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# General practice activity in Australia 2000-01 to 2009-10: 10 year data tables 

BEACH<br>Bettering the Evaluation And Care of Health

Helena Britt, Graeme C Miller, Jan Charles, Joan Henderson, Clare Bayram, Lisa Valenti, Ying Pan, Christopher Harrison, Julie O'Halloran, Salma Fahridin, Tim Chambers

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## Australian Institute of Health and Welfare

Board Chair
Hon. Peter Collins, AM, QC

Director
Penny Allbon
Any enquiries about or comments on this publication should be directed to:
The Australian General Practice Statistics and Classification Centre
Sydney School of Public Health, University of Sydney
Level 7, 16-18 Wentworth Street
Parramatta NSW 2150
Phone: +61 298458151
Fax: +61 298458155
Email: gpstats@fmrc.org.au

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## Abbreviations

| AIHW | Australian Institute of Health and Welfare |
| :--- | :--- |
| ASGC | Australian Standard Geographical Classification |
| ATC | Anatomical Therapeutic Chemical (classification) |
| AUDIT | Alcohol Use Disorders Identification Test |
| BEACH | Bettering the Evaluation And Care of Health |
| BMI | body mass index |
| CAPS | Coding Atlas for Pharmaceutical Substances |
| CI | confidence interval (in this report 95\% CI is used) |
| CT | computerised tomography |
| DVA | Australian Government Department of Veterans' Affairs |
| FRACGP | Fellowship of the Royal Australian College of General Practitioners |
| GP | general practitioner |
| HbA1c | haemoglobin, type A1c |
| HIV | human immunodeficiency virus |
| ICPC | International Classification of Primary Care |
| ICPC-2 | International Classification of Primary Care (Version 2) |
| ICPC-2 PLUS | a terminology classified according to ICPC-2 |
| MBS | Medicare Benefits Schedule |
| OTC | over-the-counter (that is, medications advised for over-the-counter |
| PBS | purchase) |
| RACGP | Pharmaceutical Benefits Scheme |
| RFE | Royal Australian College of General Practitioners |
| RRMA | reason for encounter |
| SAND | Rural, Remote and Metropolitan Areas classification <br> SAS |
| Supplementary Analysis of Nominated Data |  |
| WHO | Statistical Analysis System |
| Wonca | World Health Organization |
| World Organization of Family Doctors |  |

## Symbols

| $\uparrow / \downarrow$ | indicates a statistically significant linear change |
| :--- | :--- |
| $\uparrow / \downarrow$ | indicates a marginally significant linear change |
| $\S$ | indicates a non-linear significant or marginal change |
| - | indicates no change |
| T | indicates that the rate is less than 0.05 per 100 encounters. |
| $<$ | less than |
| $>$ | more than |
| .. | cell deliberately left blank |
| N/A | not applicable |
| NAv | not available |
| NEC | not elsewhere classified |
| $n$ | number |
| NOS | not otherwise specified |

## Summary

This book brings 10 years of data together from the BEACH (Bettering the Evaluation And Care of Health) program, to provide a reference document for those interested in changes that have occurred over the decade 2000-01 to 2009-10 in the GPs, the patients they see, the problems managed and the treatments they provide.
BEACH is a continuous national study of general practice in which data are collected from a new sample each year of about 1,000 GPs. Each GP provides details for 100 consecutive GP-patient encounters. BEACH began in April 1998, and this report uses data collected between April 2000 and March 2010 inclusive, from about 9,842 GP participants, covering 978,263 (weighted) GP-patient encounters.
Changes in the population influence GP clinical work. In June 2009, the population of Australia was estimated to be 22.2 million people. Like the rest of the developed world, Australia has an ageing population. Between 30 June 1989 and 30 June 2009, the proportion of people aged 65 years and over increased from $11 \%$ to $13 \%$ and the proportion aged 85 years and over more than doubled from $0.9 \%$ to $1.8 \%$. The proportion aged less than 15 years decreased from $22 \%$ to $19 \%$. As life expectancy improves, people are living longer with disease, so that a greater part of the GP workload will involve management of older patients with multiple chronic diseases.
From March 2008 to April 2009, there were about 116.8 million general practice consultations paid for by Medicare (up from 101 million in 2000-01), an average of 5.3 services per person. This is about the same level as in 2000-01, after a decrease in attendances in the mid-decade.

## The GP participants

The largest changes in the characteristics of the GP participants over the 10 years were:

- a $70 \%$ increase in the proportion of GPs who hold the Fellowship of the Royal Australian College of GPs (from $32 \%$ to $54 \%$ ), reflecting the requirement (introduced in 1995) for Fellowship to become a recognised general practitioner
- the move away for solo practice (down from $19 \%$ to $9 \%$ of GPs) to working in large practices with 10 or more GPs (up from $10 \%$ to $20 \%$ of participants)
- a significant and large decrease, from $46 \%$ to $29 \%$, in the proportion of GPs working in practices that provide their own after-hours patient care either completely or partially.


## Who goes to the GP and why?

- Over the study period the proportion of encounters with patients aged less than 45 years decreased from $51 \%$ to $44 \%$, while the proportion with patients aged 45 years and over increased from $49 \%$ to $56 \%$. Taking into account the increased number of encounters that now occur nationally, the number of encounters per annum with younger patients only increased by 190,000 while the number of encounters with older patients increased by about 16 million over the decade.
- In 2008-09 and in 2009-10, patients who were new to the practice (not seen before) accounted for a significantly smaller proportion of encounters than in all earlier years, suggesting improving continuity of care.
- There was no change in the proportion of encounters that were accounted for by Aboriginal and Torres Strait Islander people or by those who speak a language other than English as their primary language at home.
- Compared with 2000-01, in 2009-10 patients presented to their GP with an increased number of reasons for their encounter. This increase is probably related to the increasing proportion of encounters that are with older people who are more likely to visit for multiple chronic disease management.
- Over the decade there was a significant decrease in the rate at which patients presented with reasons for encounter describing symptoms and complaints, particularly back complaint, throat complaint, rash, abdominal pain, headache, ear pain, chest pain, dizziness, leg/thigh complaint, vomiting, and neck complaint.
- In contrast, there were significant increases in the rates of requests for test results (almost doubling), immunisation/ vaccination (up $48 \%$ ), prescriptions (up by 26\%), administrative procedures (doubling) and referrals (up 150\%). The increase in requests for test results ties in with the increase in pathology and imaging testing over the decade.


## Have the problems that GPs manage changed?

Compared with 2000-01, for every 100 patient encounters in 2009-10, GPs:

- managed more problems ( 153 compared with 145 per 100 encounters), with fewer encounters involving one problem and more involving three or four problems, and it is estimated that this change, combined with increasing attendances, resulted in 34 million more problems being managed at GP encounters nationally in 2009-10 than in 2000-01
- managed more newly diagnosed problems (59 compared with 47 per 100 encounters)
- managed more chronic problems ( 54 compared with 48 per 100 encounters).

Problems related to the respiratory system remained the most frequently managed through the decade, but their management rate decreased significantly from 23 per 100 encounters in $2000-01$ to 20 per 100 in 2007-08, and then increased to 22 in 2009-10. The recent rise may be related to concern regarding H1N1 influenza during 2009.
The most common problems managed in general practice over the decade were hypertension, immunisation/vaccination, check-up, upper respiratory tract infection, and depression. The management rate of general check-up almost doubled over the decade.
The most common chronic problems managed were non-gestational hypertension, depressive disorder, chronic arthritis, non-gestational diabetes and lipid disorders. Management of depressive disorders increased significantly over the decade from 3.6 to 4.2 per 100 encounters, representing 1.3 million more occasions on which GPs managed depressive disorder in 2009-10 than a decade earlier.

## How has general practice management changed?

Since 2000-01, some trends emerged in management of actions at patient encounters. The major changes, between 2000-01 and 2009-10, are described below.

- The rate at which medications were prescribed, GP supplied or advised for purchase, decreased, from 75 per 100 problems in 2000-01 to 70 per 100 problems in 2009-10.
- The rate at which medications were prescribed fell from 64 per 100 problems managed to 54 per 100 in 2009-10, so that (on average) 10 fewer prescriptions were being written for every 100 problems managed in 2009-10 than 10 years earlier. However, in 2009-10, 16.2 million ( $16 \%$ ) more encounters were claimed through Medicare than in 2000-01. As a result, the extrapolated national effect of this change is 4.5 million more prescriptions given by GPs in 2009-10 than in 2000-01. If the estimated $23 \%$ increase over the 10 years in number of problems managed nationally is considered, the increase in prescriptions would have been 21.5 million if not for the lower GP prescribing rates.

While the prescribing rate of many drug groups decreased, some drug groups increased, including: medications to reduce blood pressure, lipid (cholesterol) lowering agents, psychoanaleptics (paralleled by a decrease in psycholeptics) and antithrombotics (such as preventive aspirin).

- There was a significant decrease in the proportion of prescriptions with 1-4 repeats ordered, and a significant increase (from $27 \%$ to $36 \%$ ) in the proportion with five repeats.
- Frequency of GP provision of clinical treatments (such as advice, health instruction and counselling) decreased from 26 per 100 problems to 23 per 100. This was particularly apparent in decreases in advice and education about treatment, and counselling and advice about nutrition and weight, and about exercise.
- There was an increase in the rate at which procedural treatments were undertaken, from 8 per 100 problems to 11 per 100 problems. This was reflected in increased rates of local injections (other than vaccines), and in use of dressings/pressure/compression.
- Referrals to other health providers significantly increased, from 7 to 9 per 100 problems, largely due to a significant increase in referrals to allied health services (from 1.6 to 2.6 per 100), with only a marginal increase in referrals to specialists (from 5.1 to 5.5 ).
- The number of pathology tests/batteries ordered increased significantly by $43 \%$, from 21 to 29 orders per 100 problems.
- Orders for imaging tests also increased, from 5.3 per 100 problems to 6.4 per 100.


## Patient risk factors

Among annual sub-samples of more than 30,000 adult patients aged 18 years and over:

- prevalence of obesity rose significantly from $20 \%$ in $2000-01$ to $26 \%$ in 2009-10, and prevalence of overweight was steady at about $34 \%$
- prevalence of daily smoking decreased from $19 \%$ to $15 \%$
- prevalence of at-risk alcohol consumption remained static at $26 \%$.

In annual subsamples of more than 3,000 children aged 2-17 years, the prevalence of overweight and obesity remained static at about $10-11 \%$ obese and $17-18 \%$ overweight.

## Are GP consultations getting shorter or longer?

In annual subsamples of measured (in minutes) consultation length of about 35,000 Medicare/DVA claimable consultations, there was no significant change in the mean length of consultation, sitting at about 15 minutes. The median length of consultations was 13 minutes in all years except 2003-04 and 2009-10, when it was 14.0 minutes.

## 1 Introduction

This report is the 28th book in the series from the Bettering the Evaluation of Care and Health (BEACH) program. It includes summary results from the most recent 10 years of the program, from 2000-01 to 2009-10 inclusive.
BEACH is a continuous national study of general practice activity in which an ever-changing random sample of about 1,000 general practitioners (GPs) participate in a year, each recording details of 100 consecutive GP-patient encounters. BEACH is run by the Australian General Practice Statistics and Classification Centre, a collaborating unit of the Family Medicine Research Centre at the University of Sydney, and the Australian Institute of Health and Welfare. The program is supported financially by government instrumentalities and private industry (see Acknowledgments).
BEACH began in April 1998, and at the end of its 12th year (March 2010) its database included records for almost 1.2 million encounters from 11,873 participants, representing about 8,400 individual GPs, almost half the sample frame from which the GP samples are drawn. Annual results from the BEACH study are published each year. The most recent of these, released in parallel with this book, is General practice activity in Australia 2009-10.1
This book brings the most recent 10 years of data together to provide a reference document for those interested in changes that have occurred over the decade 2000-01 to 2009-10 in the GP workforce, the patients they see, the problems managed and the treatments they provide. The structure of this report follows the usual approach of the annual BEACH reports. Ten years of results are provided for the GPs, the patients and the problems managed, followed by an overview of management, specific chapters for each management action and a chapter on practice nurse activity. Changes in the prevalence of some risk factors among patients at GP encounters are also presented.
Each chapter contains an overview of the section (including definitions where relevant), and a brief description of the major findings, followed by the results tables. In the tables, statistically significant changes in results between 2000-01 and 2009-10 are marked. The national effect of significant change can be estimated by extrapolating the BEACH results to all GP Medicare claimed encounters. The method adopted for extrapolation of the effect of a change is described in Section 2.8. Examples of extrapolation of a measured change are also provided in each chapter from Chapter 5 to Chapter 13 inclusive. The reader can apply this method to any significant change in the BEACH data presented in terms of rate per 100 encounters, to gain an estimate of the size of the national effect of this change.
In this report, changes over time in (for example) GP management actions for a specific problem, or changes in the problems managed for a selected groups of patients, are not generally investigated. However, several examples of specific analyses of this type are provided in General practice activity in Australia 2009-10.1 Such analyses can also be done for different periods to measure changes in management of a selected problem. An example is provided in Section 9.6 of General practice activity in Australia 2009-101, for changes in GP prescribing of systemic antibiotics for selected conditions. Such work was done for morbidities classed in the National Health Priority Areas ${ }^{2}$ and published in July 2009 in General practice in Australia, health priorities and policies 1998 to $2008 .{ }^{3}$

### 1.1 Background-general practice in Australia

In June 2009, the population of Australia was estimated to be 22.16 million people. ${ }^{4}$ Like the rest of the developed world, Australia has an ageing population. Between 30 June 1989 and 30 June 2009, the proportion of people aged 65 years and over increased from $11.0 \%$ to $13.3 \%$, and the proportion aged 85 years and over more than doubled from $0.9 \%$ to $1.8 \%$. The proportion aged under 15 years decreased from $22.2 \%$ to $19.1 \% .^{5}$ As life expectancy improves, people are living longer with disease, so that a greater part of the GP workload will involve management of older patients with multiple chronic diseases.
GPs are usually the first port of call in the Australian health care system. Payment is on a fee-for-service system, with no patient lists or registration. People are free to visit multiple practitioners and practices of their choice. A universal medical insurance scheme (managed by Medicare Australia) covers all or most of an individual's costs for a GP visit.
By far the majority of attendances in general practice are paid for by Medicare Australia. The highest number of Medicare GP items of service claimed per head of population was in 1998-99, at 5.5 visits per person. Average attendance then steadily decreased to a low of 4.87 visits per person in 2003-04.6 This decreasing attendance rate raised questions about equity of access, leading the Australian Government to make substantial changes to laws governing Medicare benefits in 2004 and 2005. General practice attendance rates now average 5.3 per head of population. ${ }^{7}$ While Medicare statistics provide visit rates and costs for these services, they cannot provide information about the content of these visits. BEACH seeks to fill this gap.
In 2007 in Australia, there were 20,134 practising primary care practitioners (vocationally recognised GPs and other medical practitioners), making up 19,999 full-time equivalents (based on a 45 hour week), 99 per 100,000 people. ${ }^{8}$ From April 2009 to March 2010, the 116.8 million GP service items claimed from Medicare accounted for $\$ 4.85$ billion, and more than 7 million practice nurse services accounted for a further $\$ 83$ million. Together these services accounted for $32 \%$ of total Australian Government expenditure on medical and allied health services. ${ }^{7}$ It is estimated that in 2009-10 an additional 5.5 million (see Chapter 5 'The encounters') GP services were paid for by other funders (such as workers compensation organisations, state government) or provided without charge by GPs. ${ }^{1}$ About $83 \%$ of the Australian population claimed for at least one GP service from Medicare in 2009-10 (personal communication, Department of Health and Ageing, June 2010).
BEACH gives us some understanding of the content of these encounters and of the services and treatments that GPs provide. The BEACH program aims to:

- provide a reliable and valid data collection process for general practice that is responsive to the ever-changing needs of information users
- establish an ongoing database of GP-patient encounter information
- assess patient risk factors and health states, and their relationship with service activity.

Users of the BEACH data might wish to consolidate information from multiple national data sources. Integration of data from multiple sources can provide a more comprehensive picture of the health and health care of the Australian community. It is therefore important that readers are aware of how the BEACH data differ from those drawn from other sources. A summary of differences between those data collected in BEACH compared with those in the Medicare Benefits Schedule, the Pharmaceutical Benefits Scheme and the National Health Survey is available in General practice activity in Australia 2009-10 (Section 1.3). ${ }^{1}$ The BEACH program has generated many papers on a wide variety of topics in journals and professional magazines. Appendix 3 lists all published material from BEACH.

## 2 Methods

In summary:

- each year BEACH involves a random sample of approximately $1,000 \mathrm{GPs}$
- each GP records details about 100 doctor-patient encounters of all types
- the GP sample is a rolling (ever-changing) sample, with approximately 20 GPs participating in any one week, 50 weeks a year
- each GP can be selected only once per quality assurance (QA) triennium (that is, once every 3 years)
- the encounter information is recorded by the GPs on structured paper encounter forms (Appendix 1)
- each GP participant also completes a questionnaire about themselves and their practice (Appendix 2).


### 2.1 Sampling methods

The source population includes all vocationally registered GPs and all general practice registrars who claimed a minimum of 375 general practice A1 Medicare items in the most recently available 3-month Medicare data period (equating to 1,500 claims in a full year of practice). This ensures the majority of part-time GPs are included, while excluding those who are not in private practice but claim for a few consultations a year.
Quarterly, the Primary and Ambulatory Care Division of the Department of Health and Ageing (DoHA) updates the sample frame from the Medicare records, leaving out of the sample frame GPs already randomly sampled in the current triennium, and draws a new sample from those currently in the sample frame. This ensures the timely addition of new entries to the profession, and timely exclusion of those GPs who have stopped practising, or have already participated or been approached in the current triennium.

### 2.2 Recruitment methods

The randomly selected GPs are approached by letter posted to the address provided by DoHA.

- Over the following 10 days, the telephone numbers generated from the Medicare data are checked using the electronic white and yellow pages. This is necessary because many of the telephone numbers provided from the Medicare data are incorrect.
- The GPs are then called in the order they were approached, and, referring to the approach letter, asked whether they will participate.
- This initial telephone contact with the practice often indicates that the selected GP has moved elsewhere, but is still in practice. Where new address and/or telephone number can be obtained, these GPs are followed up at their new address.
- GPs who agree to participate are set an agreed recording date several weeks ahead.
- A research pack is sent to each participant before the planned start date.
- Each GP receives a telephone reminder early in the agreed recording period - this also provides the GP with an opportunity to ask questions about the recording process.
- GPs can use a 'freecall' (1800) number to ring the research team with any questions during their recording period.
- Non-returns are followed up by regular telephone calls for 3 months.
- Participating GPs earn Clinical Audit points towards their QA requirements through the Royal Australian College of General Practitioners (RACGP). As part of this QA process, each receives an analysis of his or her results compared with those of nine other deidentified GPs who recorded at approximately the same time. Comparisons with the national average and with targets relating to the National Health Priority Areas are also provided. In addition, GPs receive some educational material related to the identification and management of patients who smoke or consume alcohol at hazardous levels. Additional points can be earned if the participant chooses to do a follow-up audit of smoking and alcohol consumption among a sample of patients about 6 months later.


### 2.3 Data elements

BEACH includes three interrelated data collections: GP characteristics, encounter data and patient health status. An example of the form used to collect the encounter data and the data on patient health status is included in Appendix 1. The GP characteristics questionnaire is provided in Appendix 2. The GP characteristic and encounter data collected are summarised below. Patient health status data are described in Section 2.5.

## GP profile form (Appendix 2)

- GP characteristics: age and sex, years in general practice, number of direct patient care hours worked per week, country of graduation, postgraduate general practice training status, Fellow of the RACGP status, Fellow of the Australian College of Rural and Remote Medicine status, usual bulk-billing behaviour, use of computers at work, work undertaken in other clinical settings.
- Practice characteristics: postcode and GP Division of major practice, number of individual, and number of full-time equivalent GPs working in the practice, number of individual and number of full-time equivalent practice nurses working in the practice, usual after-hours care arrangements, whether the practice is accredited, whether it is a teaching practice.


## Encounter recording form (Appendix 1)

- Encounter data: date of consultation, type of consultation (direct/indirect) (tick box options), up to three Medicare/Department of Veterans' Affairs (DVA) item numbers (where applicable), and other payment source (where applicable) (tick boxes).
- Patient data: date of birth, sex and postcode of residence. Tick boxes (yes/no options) are provided for Commonwealth concession cardholder, holder of a Repatriation health card (from DVA), non-English-speaking background (patient self-report-a language other than English is the primary language at home), Aboriginal person (self-identification), and Torres Strait Islander person (self-identification). Space is provided for up to three patient reasons for encounter (see 'Glossary').
- The problems managed at encounter (at least one and up to four). Tick boxes are provided to denote the status of each problem as new or continuing for the patient, and whether the problem is considered by the GP to be work-related.
- Management of each problem, including:
- medications prescribed, supplied by the GP and advised for over-the-counter purchase including brand name, form (where required), strength, regimen, status (whether new or continuing medication for this problem for this patient) and number of repeats
- other treatments provided for each problem, including counselling, advice and education, and procedures undertaken, and whether the recorded other treatment was provided by practice nurse (tick box)
- new referrals to medical specialists, allied health professionals, and an emergency department, and hospital admissions
- investigations, including pathology tests, imaging and other investigations ordered at the encounter.


## Patient health status

Described in Section 2.5.

### 2.4 The BEACH relational database

The BEACH relational database is described diagrammatically in Figure 2.1.

## Note that:

- all variables can be directly related to GP and patient characteristics, and to the encounter
- reasons for encounter (RFEs) have only an indirect relationship with problems managed, as a patient may describe one RFE (such as 'repeat prescriptions') that is related to multiple problems managed, or several RFEs (such as 'runny nose' and 'cough') that relate to a single problem (such as upper respiratory tract infection) managed at the encounter (see section 6.3)
- all types of management are directly related to the problem being managed.


[^0]Figure 2.1: The BEACH relational database

### 2.5 Supplementary Analysis of Nominated Data

A section at the bottom of each recording form investigates aspects of patient health or health care delivery in general practice not covered by the consultation-based data. These additional substudies are referred to as SAND, Supplementary Analysis of Nominated Data.

- The year-long data period is divided into 10 blocks, each of 5 weeks, with three substudies per block. The research team aims to include data from about 100 GPs in each block so each SAND topic includes about 3,000 records. Some topics are repeated to increase sample size.
- Each GP's pack of 100 forms is made up of 40 forms that ask for the start and finish times of the encounter, and include questions about patient risk factors: patient height and weight (used to calculate body mass index, BMI), alcohol intake and smoking status (patient self-report). The methods and results of topics in the SAND substudies for alcohol consumption, smoking status and BMI are reported in Chapter 14. The start and finish times collected on these encounters are used to calculate the length of consultation. The length of consultation for Medicare-claimable encounters is reported in Section 5.3.
- The remaining 60 forms in each pack are divided into two blocks of 30 . Different questions are asked of the patient in each block and these vary throughout the year.
- The order of SAND sections is rotated in the GP recording pack, so that 40 patient risk factor forms may appear first, second or third in the pad. Rotation of ordering ensures there was no order effect on the quality of the information collected.
Abstracts of results and the research tools used in all SAND substudies from April 1998 to March 2010 have been published. Those:
- from April 1998 to March 1999 were published in Measures of health and health care delivery in general practice in Australia ${ }^{9}$
- from April 1999 to July 2006 were published in Patient-based substudies from BEACH: abstracts and research tools 1999-200610
- since August 2006 have been published in each of the general practice activity annual reports ${ }^{11-13}$
- conducted in the 2009-10 BEACH year are provided in Chapter 15 of the companion report General practice activity in Australia 2009-10. ${ }^{1}$
Abstracts of results for all SAND substudies are also available on the Family Medicine Research Centre's website <www.fmrc.org.au/publications/SAND_abstracts.htm>.


## Patient risk factor substudy methods

## Body mass index

Patient BMI was investigated for a subsample of 40 of the 100 patient encounters. Each GP was instructed to ask the patient (or their carer in the case of children):

- What is your height in centimetres (without shoes)?
- What is your weight in kilograms (unclothed)?

Metric conversion tables (feet and inches; stones and pounds) were provided to the GP.

The BMI for an individual was calculated by dividing weight (kilograms) by height (metres) squared. The recent World Health Organization (WHO) recommendations ${ }^{14}$ for BMI groups were used, which specify that an adult (18 years and over) with a BMI:

- less than 18.5 is underweight
- greater than or equal to 18.5 and less than 25 is normal
- greater than or equal to 25 and less than 30 is overweight
- of 30 or more is obese.

The reported height for adult patients was checked against sex-appropriate upper and lower height limits from the Australian Bureau of Statistics. ${ }^{15}$ Encounters with adults whose reported heights were outside the sex-appropriate limits were excluded from the analysis.
In reports published before 2006, the division between underweight and normal was set at a BMI of 20. In tables 14.1 to 14.3 of this report, patient BMI have been recalculated for all years and are reported according to the current WHO criteria.
The standard BMI cut-offs described above are not appropriate in the case of children. Cole et al. $(2000,2007)$ developed a method by which to calculate age-sex-specific BMI cutoff levels for overweight and obesity specific to children aged 2-17 years. ${ }^{16,17}$ This method, based on international data from developed Western cultures, is applicable in the Australian setting. The reported height of children was checked against age-sex-appropriate upper and lower height limits from the Australian Bureau of Statistics and Centres for Disease Control. ${ }^{15,18}$ Encounters with children whose reported heights were outside either of the age-sex-appropriate limits were excluded from the analysis. In reports published before 2009, the BMI categories of underweight and normal were grouped together for children. In Table 14.1 the BMI have been recalculated for all years for children.

## Smoking

GPs were instructed to ask adult patients (18 years and over):

- What best describes your smoking status? Smoke daily

Smoke occasionally
Previous smoker
Never smoked
Respondents were limited to adults aged 18 years and over, because there are ethical concerns about approaching the younger patient group to ask for information about smoking for survey purposes. In addition, the reliability of this information from patients aged less than 18 years may be compromised if a parent or carer is present at the consultation.

## Alcohol consumption

To measure alcohol consumption, BEACH uses three items from the WHO Alcohol Use Disorders Identification Test (AUDIT) ${ }^{19}$, with scoring for an Australian setting. ${ }^{20}$ Together, these three questions assess 'at-risk' alcohol consumption. The scores for each question range from 0 to 4 . A total (sum of all three questions) score of 5 or more for males or 4 or more for females suggests that the person's drinking level is placing him or her at risk. ${ }^{20}$

GPs were instructed to ask adult patients (18 years and over):

- How often do you have a drink containing alcohol? Never

Monthly or less
Once a week/fortnight
2-3 times a week
4 times a week or more

- How many standard drinks do you have on a typical day when you are drinking?
- How often do you have six or more standard drinks on one occasion?

Never
Less than monthly
Monthly
Weekly
Daily or almost daily
A standard drinks chart was provided to each GP to help the patient identify the number of standard drinks consumed.
Respondents were limited to adults aged 18 years and over, because there are ethical concerns about approaching the younger patient group to ask for information about alcohol consumption for survey purposes. In addition, the reliability of this information from patients aged less than 18 years may be compromised if a parent or carer is present at the consultation.
The wording of the responses to the first and third questions was changed from 2001-02 onwards to reflect exactly the AUDIT instrument from which the responses are derived. This update, along with a data entry change enabling more specific entry for the second question, slightly increased the rates of at-risk drinking. The data collected from 2001-02 onwards are those compared in this report.

### 2.6 Statistical methods

The analysis of all BEACH data was conducted with Statistical Analysis System (SAS) version 9.1.3.21 When originally published, data from 2000-01 to 2004-05 were analysed using SAS version $6.12{ }^{22}$ (with additional programming to adjust for the cluster sample study design). In this report (and others published since 2007) these data have been re-analysed using SAS version 9.1.3 (which adjusts for the cluster design without the need for additional programming). This has resulted in slightly tighter confidence intervals and minor variations in point estimates (of up to 0.1) when compared with data published in earlier annual reports for the 1998-99 to 2003-04 data years.
BEACH is a single stage cluster sample study design, each 100 encounters forming a cluster around each GP participant. In cluster samples, variance needs to be adjusted to account for correlation between observations within clusters. Procedures in SAS version 9.1.3 are used to calculate the intracluster correlation and adjust the confidence intervals accordingly. ${ }^{21}$
Post-stratification weighting of encounter data adjusts for any variance in the characteristics of the participating GPs from those of the sample frame from which they were drawn, and for the varying activity level of each GP (measured by the number of claims each has made in the previous 12 months from Medicare Australia). The final sample of encounters shows excellent precision when the age-sex distribution of the patients is compared with the distribution in all Medicare-claimed services of this type. ${ }^{1}$

The encounter is the primary unit of inference. Proportions (percentages) are used when describing the distribution of an event that can arise only once at a consultation (for example, age, sex), or to describe the distribution of events within a class of events (for example, problem A as a percentage of total problems). Rates per 100 encounters are used when an event can occur more than once at the consultation (for example, RFEs, problems managed or medications).
Rates per 100 problems are also used when a management event can occur more than once per problem managed. In general, the results present the number of observations ( $n$ ), the rate per 100 encounters and the $95 \%$ confidence interval.
The statistical significance of changes in characteristics of the GPs is tested using the chi-square test statistic. However, in general, the results for events occurring at GP-patient encounters present the rate per 100 encounters and the $95 \%$ confidence interval.

- Changes over time, in the frequency of these events are judged significant (that is, a real change has occurred) if the two sets of confidence intervals do not overlap. For example, Result A: 11.5 per 100 encounters ( $95 \%$ CI: 11.3-11.7) is significantly less than Result B: 11.9 per 100 encounters ( $95 \%$ CI: 11.8-12.0).
- If the two sets of confidence intervals butt together the difference is regarded as marginal. For example, Result A: 11.5 per 100 encounters ( $95 \%$ CI: 11.3-11.7) is marginally lower than Result B: 11.9 ( $95 \%$ CI: 11.7-12.1).
- If they overlap, then no change has been measured.
- All difference discussed in this report are statistically significant differences unless otherwise stated.


### 2.7 Changes over time

For the 10 years 2000-01 to 2009-10, patient reasons for encounter and problems managed are reported as rates per 100 encounters. In the past, rates per 100 encounters have also been used when measuring changes in each of the management actions (prescriptions, other treatments, referrals, pathology and imaging tests ordered). However, over the study period there has been a significant increase in the number of problems managed per encounter. All management actions are therefore reported in two ways - as rates per 100 problems managed and as rates per 100 encounters. In describing changes over time, the rates per 100 problems are reported as the primary measure, but the rates per 100 encounters are included for consistency with previously published reports.
Note that when extrapolating to total Medicare/DVA claimed encounters this calculation must be based on the rate per 100 encounters (rather than rate per 100 problems managed). Readers should be aware that there may be discrepancies between data in this report and data published in earlier BEACH reports. While SAS version 9.1.321 was used for all analyses in this report, changes in method or approach have occurred on occasion over the 10 years of results. Data presented in this report are comparable for each result across all data years.
Where methodological changes have occurred, the data have either:

- been recalculated using the new method (for example, body mass index was recalculated due to a change in the WHO body mass index groupings)
- been regrouped for comparability (where this occurs, it is has been noted in the footnotes of the table)
- been omitted from this report (if recalculation or grouping was not possible). Where data are omitted, this is noted as not applicable (N/A) or not available (NAv), as appropriate.

In measuring changes over time, the 2009-10 results are compared with those from 2000-01 wherever possible. However, as in any long-term research program, changes occur over the years. For example, practice nurse activity data were not collected until 2005-06, so the changes are only considered between 2005-06 and 2009-10.
Each table includes the most frequent events occurring in 2009-10, and the comparative results for each of the earlier years are provided. In addition, each table includes data for events that were more frequent in past year(s), but are no longer as frequent in 2009-10. Results are in general presented in decreasing order of 2009-10 frequency.
The direction and type of change between 2000-01 and 2009-10 is indicated for each result in the far right column of the tables:

- $\boldsymbol{\uparrow} / \boldsymbol{\downarrow}$ indicates a statistically significant linear change
- $\uparrow / \downarrow$ indicates a marginally significant linear change
- § indicates a non-linear significant or marginal change
-     - indicates there was no change.


### 2.8 Extrapolated national estimates

Extrapolations can be used to estimate the number of GP encounters in Australia involving a selected event at a single time point or to estimate the total national effect of changes.
Where the results demonstrate a significant change over time, the estimated national change across total GP Medicare services from 2000-01 to 2009-10 can be calculated using the method detailed below. Note that extrapolations are always based on rate per 100 encounters rather than rate per 100 problems because, as more than one problem can be managed at an encounter, extrapolating (for example, a selected management action) based on a rate per 100 problems will give an unreliable estimate of national frequency.
An example of an extrapolated national change is given in each chapter in the report from Chapter 5 to Chapter 13 inclusive.

- The national estimates are calculated by dividing the rate per 100 encounters of the selected event for 2000-01 by 100, and then multiplying by the total number of GP services claimed through Medicare in that year (rounded to the nearest 100,000, see Table 2.1) to give the estimated annual number of events in 2000-01. The process is then repeated for 2009-10. The difference between the two estimates gives the estimated national change in the rate of encounters for that event over the period of interest. Estimates are rounded to the nearest 100,000 if more than a million and to the nearest 10,000 if below a million.
- This is expressed as the estimated increase or decrease over the study period (between 2000-01 and 2009-10), in the number of general practice contacts for that event. For example, an increase or decrease in the number of GP management contacts with problem X occurring in Australia in 2009-10 when compared with 2000-01.
Table 2.1 provides the total number of general practice professional service items claimed from Medicare in each financial year from 2000-01 to 2009-10. In this report extrapolations are calculated using the number of GP Medicare items claimed rounded to the nearest 100,000. The rounded number is also provided in Table 2.1. Readers can use the method described above to calculate the national effect of any significant change in a single result over any two time points. Extrapolations can also be made using data from a single time point to estimate the number of GP encounters in Australia in a specific year that involve a selected event.

Table 2.1: Number of general practice professional services claimed from Medicare Australia each financial year, 2000-01 to 2009-10 ('000)

|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 ${ }^{(\mathrm{a})}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of GP MBS items | 100,645 | 99,921 | 96,919 | 96,330 | 98,180 | 101,095 | 103,433 | 109,518 | 113,045 | 116,832 |
| Rounded number of GP MBS items | 100,600 | 99,900 | 96,900 | 96,300 | 98,200 | 101,100 | 103,400 | 109,500 | 113,000 | 116,800 |

(a) Medicare data for the 2009-10 year included data from the April 2009 to March 2010 quarters because the 2009-10 financial year data were not available at the time of preparation of this report.

Source: Medicare statistics, Table B1C-Medicare: Number of services ('000) by quarter of processing by broad type of service; Table B1A-Medicare: Number of services ('000) by financial year of processing by broad type of service. Available at <www.health.gov.au/internet/main/publishing.nsf/Content/medstat-mar10-tables-ba>..

## Examples of extrapolation

Example A: Change in the number of problems managed by GPs nationally
There was a significant increase in the number of problems managed at encounter, from 144.5 per 100 encounters in 2000-01 to 153.3 in 2009-10 (see Table 7.2)

- $(144.5 / 100) \times 100.6$ million $=145.4$ million problems managed nationally in 2000-01, and $(153.3 / 100) \times 116.8$ million $=179.1$ million problems managed nationally in 2009-10.
This suggests there were 33.7 million ( 179.1 million minus 145.4 million) more problems managed at GP encounters in Australia in 2009-10 than in 2000-01.


## Example B: Change in the number of medication prescriptions by GPs nationally

As demonstrated in Table 2.1 there has been a 16\% increase in the number of GP service items claimed from Medicare per year from 100.6 million in 2000-01 to 116.8 million in 2009-10.
This increase means that even where there has been a decrease in the rate of a management action per 100 encounters, the overall result may be an increase in the number of those actions. An excellent example of this effect is apparent in the prescribed medications in BEACH.
There was a significant decrease in the number of medications prescribed at encounter, from 92.3 per 100 encounters in 2000-01 to 83.4 per 100 in 2009-10 (see Table 9.1b)

- $(92.3 / 100) \times 100.6$ million $=92.9$ million GP prescriptions nationally in 2000-01, and $(83.4 / 100) \times 116.8$ million $=97.4$ million prescriptions nationally in 2009-10.
This suggests there were 4.5 million ( 97.4 million minus 92.9 million) more prescriptions written by GP in Australia in 2009-10 than in 2000-01.
This result of an increase in total prescriptions rather than a decrease (that might have been expected from the decreasing prescription rate) is due to the $16 \%$ increase in the total number of GP consultations over the period.


## Limitations of extrapolations

The extrapolations to the total encounters occurring nationally in any one year are only estimates. They are likely to provide:

- an underestimate of the true 'GP workload' of a condition/treatment because the extrapolations are made to GP Medicare items claimed, not to the total number of GP encounters per year (approximately $5 \%$ of BEACH encounters annually, which include
indirect encounters, and those paid by sources other than Medicare, such as DVA, state governments, work cover, employers)
- an overestimate of the management rate of a group of conditions (for example, cardiovascular disease) because there is a chance that more than one problem of this type will be managed at a single encounter. In the extrapolations, two cardiovascular problems managed at one encounter will be counted as two encounters.
Further, the base numbers used in the extrapolations are rounded to the nearest 100,000, and extrapolation estimates are rounded to the nearest 100,000 if more than a million and to the nearest 10,000 if below a million. However, the rounding has been applied to all years, so the effect on measures of change will be very small. The extrapolations therefore still provide an indication of the size of the effect of measured change nationally.


### 2.9 Changes to data elements and reporting methods

Some changes in data elements and reporting methods have occurred since the BEACH study began in April 1998:
Two changes were made to the BEACH form from 2005-06 onwards to capture practice nurse activity associated with the GP-patient consultations. From 2005-06 onwards:

- GPs could record multiple (up to three) Medicare item numbers
- in the 'other treatments' section, for each problem managed, the GP was asked to tick the practice nurse box if the treatment recorded was provided by the practice nurse rather than by the GP. If the box was not ticked, the research team assumed that the GP provided the recorded treatment.
These changes have implications for the reporting of Medicare/DVA-claimable encounters (Chapter 5), other treatments (Chapter 10) and practice nurse activity (Chapter 13)


## Medicare/DVA-claimable encounters

For the first 7 years of the BEACH program (1998-99 to 2004-05), where a Medicare item number was claimable for the encounter, the GP was instructed to record only one item number. Where multiple item numbers (for example, an A1 item such as 'standard surgery consultation' and a procedural item number) were claimable for an encounter, the GP was instructed to record the lower of these (usually an A1 item number). For reporting purposes Medicare-claimable encounters were broken down according to the item number recorded by the GP as claimable (either through Medicare or through DVA) for the encounter. In this report the Medicare/DVA claimable encounters count only one item number per Medicare/DVA-claimable encounter for comparability with previous years (see Chapter 5). Practice nurse Medicare-claimable encounters are not reported in Chapter 5.
The selection of one item number was done on a priority basis: consultation item numbers override incentive item numbers, which override procedural item numbers, which override other Medicare item numbers.

## Practice nurse activity

The research team began to capture practice nurse activity (in 2005-06) due to the introduction of four new MBS item numbers in November 2004, which covered some selected activities done by a practice nurse on behalf of a medical practitioner. ${ }^{23}$
The primary aim of BEACH is to describe general practice activity. Before 2005-06, 'general practice activity' has been described in terms of GP-patient encounters, and this was considered close to equivalent to 'general practitioner activity'. However, the introduction of the practice nurse item numbers meant that, if practice nurse activity associated with the GP-patient encounter was not included, the content of the consultation was not fully described.
Chapter 13 provides a breakdown of the practice nurse Medicare items claimed, the morbidity managed with the assistance of the practice nurse, and the other treatments given by the practice nurse as recorded by the GP participants from 2005-06 to 2009-10.
When viewing these results, it must be remembered that these practice nurse data do not include activities done by the practice nurse during the GP's BEACH recording period that were performed outside the recorded encounter. These could include Medicare-claimable activities (for example, immunisations/vaccinations) provided under instruction from the GP but not provided at the time of the encounter recorded in BEACH, or provision of other activities not currently claimable from Medicare (for example, dietary advice on a one-to-one basis, or in a group situation).

## Other treatments

In Chapter 10 'Other treatments', all recorded clinical and procedural treatments are included, irrespective of whether they were provided by the GP or by the practice nurse.

### 2.10 Classification of data

The following data elements are classified according to the International Classification of Primary Care - Version 2 (ICPC-2), a product of the World Organization of Family Doctors (Wonca) ${ }^{24}$ :

- patient reasons for encounter (RFEs)
- problems managed
- clinical treatments (for example, counselling, advice)
- procedural treatments
- referrals
- investigations ordered (including pathology, imaging and other investigations).

The ICPC-2 is used in more than 45 countries as the standard for data classification in primary care. It is accepted by the WHO in the WHO Family of International Classifications ${ }^{25}$, and is the declared national standard in Australia for reporting of health data from general practice and patient self-reported health information. ${ }^{26}$
The ICPC-2 has a biaxial structure, with 17 chapters on one axis (each with an alphabetic code) and seven components on the other (numeric codes) (Figure 2.2). Chapters are based on body systems, with additional chapters for psychological and social problems. Chapters are based on body systems, with additional chapters for psychological and social problems. Component 1 includes symptoms and complaints. Component 7 covers diagnoses, and can
also be divided to provide data about infections, injuries, neoplasms, congenital anomalies and 'other' diagnoses.
Components 2 to 6 cover the process of care, and are common throughout all chapters. The processes of care, including referrals, other (non-pharmacological) treatments and orders for pathology and imaging, are classified in these process components of ICPC-2. Component 2 (diagnostic, screening and prevention) is also often applied in describing the problem managed (for example, check-up, immunisation). The components are standard and independent throughout all chapters. The updated component groupings of ICPC-2 codes, released by the Wonca International Classification Committee in $2004{ }^{27}$ have been used in this report.
The ICPC-2 is an excellent epidemiological tool. The diagnostic and symptomatic rubrics have been selected for inclusion on the basis of their relative frequency in primary care settings, or because of their relative importance in describing the health of the community. It has approximately 1,370 rubrics, and these are sufficient for meaningful analyses. However, reliability of data entry, using ICPC-2 alone, requires a thorough knowledge of the classification for correct classification of a concept to be ensured.


Figure 2.2: The structure of the International Classification of Primary Care - Version 2 (ICPC-2)

In 1995, recognising a need for a coding and classification system for general practice electronic health records, the Family Medicine Research Centre (then the Family Medicine Research Unit) developed an extended clinical terminology classified according to the ICPC, now called ICPC- 2 PLUS. ${ }^{28}$ This is an interface terminology, developed from all the terms used by GPs in studies such as the Australian Morbidity and Treatment Survey 1990-91 (113,468 encounters) ${ }^{29}$, the country and metropolitan general practice study 1990-91 (51,277 encounters), the Morbidity and Therapeutic Index 1992-1998 (a clinical audit tool that was available to GPs) (400,00 encounters), and BEACH 1998-2010 (about 1.2 million encounters), which together make up about 2.7 million encounter records, involving more than 4 million free text descriptions of problems managed and a further 4 million for patient reasons for encounter. These terms are classified according to ICPC-2 to ensure international
standards for reporting. Readers interested in seeing how coding works can download the ICPC-2 PLUS Demonstrator at <www.fmrc.org.au/icpc2plus/demonstrator.htm>.
When the free-text data are received from the GPs, trained secondary coders (who are undergraduate students studying health information management or medical science) code the data in more specific terms using ICPC-2 PLUS. This ensures high coder reliability and automatic classification of the concept, and provides the ability to 'ungroup' such ICPC-2 rubrics as 'other diseases of the circulatory system' and select a specific disease from the terms within it.

## Presentation of data classified in ICPC-2

Statistical reporting is almost always at the level of the ICPC-2 classification (for example, acute otitis media/myringitis - ICPC-2 code H71). However, there are some exceptions where data are grouped either above the ICPC-2 level or across the ICPC- 2 level. These grouped morbidity, pathology and imaging codes are defined in Appendix 4, and chronic morbidity groups are provided in Appendix 5.

## Reporting morbidity with groups of ICPC-2 codes

When recording problems managed, GPs may not always be very specific. For example, in recording the management of hypertension, they may simply record the problem as 'hypertension'. In ICPC-2, 'hypertension, unspecified' is classified as 'uncomplicated hypertension' (code K86). There is another code for 'complicated hypertension' (K87). In some cases the GP may simply have failed to specify that the patient had hypertension with complications. The research team therefore feels that for national data reporting, it is more reliable to group the codes K86 and K87 and label this 'Hypertension*' - the asterisk indicating that multiple ICPC-2 codes (as in this example) or ICPC-2 PLUS codes (see below) are included. Appendix 4 lists codes included in these groups.

## Reporting morbidity with groups of ICPC-2 PLUS codes

In other cases a concept can be classified within (but be only part of) multiple ICPC-2 codes. For example, osteoarthritis is classified in ICPC-2 in multiple broader codes according to site-for example, L92-shoulder syndrome (includes bursitis, frozen shoulder, osteoarthritis of shoulder, rotator cuff syndrome). When reporting osteoarthritis in this publication, all the more specific osteoarthritis ICPC-2 PLUS terms are grouped within all the appropriate ICPC-2 codes. This group is labelled 'Osteoarthritis*' - the asterisk again indicating multiple codes, but in this case they are PLUS codes rather than ICPC-2 codes. Appendix 4 lists codes included in these groups.

## Reporting chronic morbidity

Chronic conditions are medical conditions characterised by a combination of the following characteristics: duration that has lasted or is expected to last 6 months or more, a pattern of recurrence or deterioration, a poor prognosis, and consequences or sequelae that affect an individual's quality of life.
To identify chronic conditions, a chronic condition list ${ }^{30}$ classified according to ICPC-2 was applied to the BEACH data set. In general reporting, both chronic and non-chronic conditions (for example, diabetes and gestational diabetes) may have been grouped together when reporting (for example, diabetes - all*). When reporting chronic morbidity, only problems regarded as chronic have been included in the analysis. Where the group used for
the chronic analysis differs from that used in other analyses in this report, they are marked with a double asterisk. Codes included in the chronic groups are provided in Appendix 5.

## Reporting pathology and imaging test orders

All the pathology and imaging tests are coded very specifically in ICPC-2 PLUS, but ICPC-2 classifies pathology and imaging tests very broadly (for example, a test of cardiac enzymes is classified in K34-Blood test associated with the cardiovascular system; a CT scan of the lumbar spine is classified as L41-Diagnostic radiology/imaging of the musculoskeletal system). In Australia, the Medicare Benefits Schedule (MBS) classifies pathology and imaging tests in groups that are relatively well recognised. The team therefore regrouped all pathology and imaging ICPC-2 PLUS codes into MBS standard groups. This allows comparison of data between data sources. Such groups are marked with an asterisk, and inclusions provided in Appendix 4.

## Classification of pharmaceuticals

Pharmaceuticals that are prescribed, provided by the GP or advised for over-the-counter purchase are coded and classified according to an in-house classification, the Coding Atlas for Pharmaceutical Substances (CAPS).
This is a hierarchical structure that helps analysis data at a variety of levels, such as medication class, medication group, generic composition and brand name.
Strength and regimen are independent fields that, when combined with the CAPS code, give an opportunity to derive the prescribed daily dose for any prescribed medication or group of medications.
CAPS is mapped to the Anatomical Therapeutic Chemical (ATC) ${ }^{31}$ classification, which is the Australian standard for classifying medications at the generic level.
The ATC has a hierarchical structure with five levels. For example:

- Level 1: C-Cardiovascular system
- Level 2: C10-Serum lipid reducing agents
- Level 3: C10A - Cholesterol and triglyceride reducers
- Level 4: C10AA-HMG CoA reductase inhibitors
- Level 5: C10AA01 - Simvastatin (the generic drug).


## Reporting pharmaceutical data

For pharmaceutical data, there is the choice of reporting in terms of the CAPS coding scheme or the ATC. They each have advantages in different circumstances.
In the CAPS system, a new drug enters at the product and generic level, and is immediately allocated a generic code. Therefore, the CAPS classification uses a bottom-up approach.
In the ATC, a new generic drug type may initially enter the classification at any level ( 1 to 5 ), not necessarily always at the generic level. Reclassification to lower ATC levels may occur later. Therefore, the ATC uses a top-down approach.
When analysing medications across time, a generic medication that is initially classified to a higher ATC level will not be identifiable in that data period, and may result in under-enumeration of that drug during earlier data collection periods.
In measuring changes in medications over time, the team chose to report at Level 2 of the ATC (which is more stable over time than Level 3), and in CAPS for the generic-level drugs.

### 2.11 Quality assurance

All morbidity and therapeutic data elements were secondarily coded by staff entering key words or word fragments, and selecting the required term or label from a pick list. This was then automatically coded and classified. A quality assurance program to ensure reliability of data entry includes ongoing development of computer-aided error checks ('locks') at the data entry stage, and a physical check of samples of data entered against those on the original recording form. Further logical data checks are conducted through SAS on a regular basis.

### 2.12 Validity and reliability

A discussion of the reliability and validity of the BEACH program has been published elsewhere. ${ }^{32}$ This section touches on some aspects of reliability and validity of active data collection from general practice that should be considered by the reader.
In the development of a database such as BEACH, data gathering moves through specific stages: GP sample selection, cluster sampling around each GP, GP data recording, secondary coding and data entry. At each stage the data can be invalidated by the application of inappropriate methods. The methods adopted to ensure maximum reliability of coding and data entry have been described above. The statistical techniques adopted to ensure valid analysis and reporting of recorded data are described in Section 2.6. Previous work has demonstrated the extent to which a random sample of GPs recording information about a cluster of patients represents all GPs and all patients attending GPs. ${ }^{33}$ Other studies have reported the degree to which GP-reported patient RFEs and problems managed accurately reflect those recalled by the patient ${ }^{34}$ and the reliability of secondary coding of $\mathrm{RFEs}^{35}$ and problems managed. ${ }^{29}$ The validity of ICPC as a tool with which to classify the data has also been investigated in earlier work. ${ }^{36}$
However, the question of the extent to which the GP-recorded data are a reliable and valid reflection of the content of the encounter must also be considered. In many primary care consultations, a clear pathophysiological diagnosis is not reached. Bentsen ${ }^{37}$ and Barsky ${ }^{38}$ suggest that a firm and clear diagnosis is not apparent in about half of GPs' consultations, and others suggest the proportion may be even greater. ${ }^{39}$ Further, studies of general ambulatory medical practice have shown that a large number of patients presenting to a primary care practitioner are without a serious physical disorder. ${ }^{40,41} \mathrm{As} \mathrm{a} \mathrm{result}$, necessary for a practitioner to record a problem in terms of symptoms, signs, patient concerns, or the service that is requested, such as immunisation. For this reason, this report refers to patient 'problems' rather than 'diagnoses'.
A number of studies have demonstrated wide variance in the way a GP perceives the patient's RFE, and the manner in which the GP describes the problem under management. In a direct observational study of consultations via a one-way mirror, Bentsen demonstrated differences in the way practitioners labelled problems, and suggested that clinical experience may be an important influence on the identification of problems within the consultation. ${ }^{37}$ Two other factors that might affect GPs' descriptions of patient RFEs have been identified: even when individuals select the same stimuli, some label each stimulus separately whereas others cluster them under one label, and individuals differ in the number of stimuli they select (selective perception). ${ }^{42}$

The extent to which therapeutic decisions may influence the diagnostic label selected has also been discussed. Howie ${ }^{43}$ and Anderson ${ }^{40}$ argue that, while it is assumed that the diagnostic process used in general practice is one of symptom $\rightarrow$ diagnosis $\rightarrow$ management, the therapeutic method may well be selected on the basis of the symptom, and the diagnostic label chosen last. They suggest that the selection of the diagnostic label is therefore influenced by the management decision already made.
Anderson has also pointed out that the therapeutic decision may be influenced by fashion, and, in turn, this affects the selection of the problem label. He gives the example of a rise in the occurrence of neurotic depression in parallel with a decrease in the use of menopause as a diagnosis in the United Kingdom, and suggests this may be the result of a change in the preferred treatment from oestrogen therapy to antidepressants. ${ }^{40}$ This should be remembered when considering the changes in general practice described in this report.
Alderson contends that to many practitioners 'diagnostic accuracy is only important to the extent that it will assist them in helping the patient'. He further suggests that if major symptoms are readily treatable, some practitioners may feel no need to define the problem in diagnostic terms. ${ }^{44}$ Crombie stated that in the second and third national morbidity surveys in the United Kingdom there was 'enormous variability in the rates at which doctors perceive and record illnesses'. He concluded that the probable cause arose from the different ways in which GPs gave priority in their perceptions and recording of certain morbidities, while discounting or ignoring others. He was unable to account statistically for this variation by the effect of geography, age, sex or class differences in the practice populations. ${ }^{45}$ Differences in the way male and female GPs label problems also appear to be independent of such influences. ${ }^{46}$ These problems are inherent in the nature of general practice. Knottnerus argues that the GP is confronted with a fundamentally different pattern of problems from the specialist, the GP often having to draw up general diagnostic hypotheses related to probability, severity and consequences. ${ }^{47}$ Anderson suggests that morbidity statistics from family practice should therefore be seen as 'a reflection of the physician's diagnostic opinions about the problems that patients bring to them rather than an unarguable statement of the problems managed'. ${ }^{40}$ In any case, doctors base their actions on problems as they perceive them.
While these findings on limitations in the reliability and validity of practitioner-recorded morbidity should be kept in mind, they apply equally to data drawn from medical records, whether paper or electronic, as they do to active data collection methods.48,49 There is as yet no more reliable method of gaining detailed data about morbidity and its management in general practice. Further, irrespective of the differences between individual GPs in their labelling of the problems, morbidity data collected by GPs in active data collection methods have been shown to provide a reliable overview of the morbidity managed in general practice. ${ }^{50}$

## 3 The sample

For annual response rates and measures of representativeness of samples, please see the annual report for each year in question.
Table 3.1 shows the number of encounter records contained in each year of the BEACH program since April 2000, and the size of the database for those 10 years for each variable (weighted), upon which all comparisons over time described in this report are based.

Table 3.1: Annual summary of data sets, 2000-01 to 2009-10 (final weighted data)

| Variable | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | Total 10 years |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| General practitioners | 999 | 983 | 1,008 | 1,000 | 953 | 1,017 | 930 | 953 | 1,011 | 988 | 9,842 |
| Encounters | 99,307 | 96,973 | 100,987 | 98,877 | 94,386 | 101,993 | 91,805 | 95,898 | 96,688 | 101,349 | 978,263 |
| Reasons for encounter | 149,962 | 144,654 | 152,341 | 148,521 | 141,215 | 153,309 | 138,434 | 146,696 | 151,282 | 157,071 | 1,483,485 |
| Problems managed | 143,528 | 139,092 | 146,336 | 144,674 | 137,330 | 149,088 | 136,333 | 145,078 | 149,462 | 155,373 | 1,446,294 |
| Medications | 107,400 | 101,350 | 104,813 | 103,210 | 95,816 | 106,493 | 93,193 | 98,439 | 102,737 | 108,001 | 1,021,452 |
| Other treatments | 49,072 | 51,130 | 53,676 | 50,775 | 51,632 | 44,504 | 41,011 | 49,130 | 49,048 | 53,243 | 493,221 |
| Referrals | 10,366 | 10,167 | 11,261 | 11,507 | 10,890 | 12,242 | 11,230 | 12,017 | 13,251 | 13,481 | 116,412 |
| Imaging | 8,227 | 7,645 | 8,678 | 8,121 | 7,840 | 9,003 | 8,229 | 9,143 | 9,469 | 9,877 | 86,232 |
| Pathology | 29,459 | 30,086 | 33,234 | 34,831 | 34,652 | 39,358 | 38,963 | 41,375 | 44,066 | 45,594 | 371,618 |

## 4 The participating GPs

In BEACH, each GP participant completes a profile questionnaire about themselves and the major practice at which they are employed (see Appendix 2). Over the 10 years, the questions have occasionally been altered to improve the quality and clarity of the data collected, or to investigate topics not previously surveyed as they become relevant. Therefore, some characteristics have data over the full 10-year period, and some for shorter periods.
Over the period 2000-01 to 2009-10 some trends have emerged in the characteristics of GP BEACH participants (Table 4.1). The most noticeable changes over the 10 years are listed below and some are presented in Figure 4.1.

- The feminisation of the general practice workforce is reflected in the growing proportion of GP participants who are female. The proportion of female participants increased from $31.6 \%$ in 2000-01 to $43.6 \%$ in 2009-10. This change reflects that apparent in the sample frame of all recognised GPs claiming more than 375 general practice Medicare items of service in the previous quarter ( $32.0 \%$ in 2000-01 compared with $39.1 \%$ in 2009-10), as provided each year by DoHA, from Medicare claims data.
- From 2000-01 to 2009-10 there was a significant change in the age distribution of particpants, with a decrease in the proportion aged 35-44 years (from 28.7\% to 21.4\%), and an increase in the proportion aged 55 years and over (from $30.0 \%$ to $34.8 \%$ ). Again, these changes reflect the differences in the sample frame from Medicare claims data, where a decrease was observed from $31.6 \%$ to $20.5 \%$ for GPs aged $35-44$ years, and an increase from $23.9 \%$ to $39.9 \%$ for GPs aged 55 years or older.
- The increasing age of GPs is reflected in the increasing proportion of GPs who have worked in general practice for 20 years or longer, from $49.1 \%$ in 2000-01 to $54.3 \%$ in 2009-10.
- There was no significant change over the decade in the proportions of Australian GPs who had graduated from their primary medical degree in Australia, and the proportion who had graduated outside Australia. However, there was a significant change in the geographic distribution of country of graduation for those trained overseas.
- The results for consultations in a language other than English have now been collected for 7 years. About one-quarter of participants provide some consultations in a language other than English, but few are doing so at more than $50 \%$ of their consultations.
- The proportion of GP participants holding Fellowship of the RACGP significantly increased, from $31.5 \%$ in $2000-01$ to $53.5 \%$ in 2009-10.
- The proportion of participants in solo practice more than halved between 2000-01 and 2009-10, and the proportion in smaller practices of 2-4 GPs also decreased. There was an associated significant increase in the proportion of GPs working in practices with 5-9 individual GPs, from $32.7 \%$ in $2000-01$ to $41.4 \%$ in 2009-10. The proportion of practices with 10 or more individual GPs more than doubled over the decade, from $9.5 \%$ in $2000-01$ to $19.5 \%$ in 2009-10. Data were unavailable for 2007-08 and 2008-09, as the question was altered to capture full-time equivalent GPs at the practice instead of number of individuals. However from 2009-10, both data elements are being captured.
- There was a significant reduction in the proportion of GPs working in practices that provide their own after-hours services, from $45.6 \%$ in $2000-01$ to $29.1 \%$ in 2009-10. The proportion at practices providing after-hours services in cooperation with other practices also decreased, from $19.3 \%$ in 2000-01 to $17.8 \%$ in 2009-10. However, the proportion of

GPs working in practices who use a deputising service for provision of after-hours care increased significantly over the 10 -year period, from $44.4 \%$ in $2000-01$ to $53.1 \%$ in 2009-10 (multiple responses were allowed to this question).


Note: Wk—week; FRACGP—Fellows of the Royal Australian College of General Practitioners; own A.H.-the practice provides its own after-hours service for their patients; co-op A.H.-the practice provides after-hours services in a cooperative arrangement with other practices.
(a) multiple responses across these options were allowed.

Figure 4.1: Characteristics of participating GPs 2000-01 and 2009-10
Table 4.1: Characteristics of participating GPs, 2000-01 to 2009-10

|  |  |  |  |  | Per ce | of GPs ${ }^{(a)}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
| GP characteristic | ( $n=999$ ) | ( $n=983$ ) | ( $n=1,008$ ) | ( $n=1,000$ ) | ( $n=953$ ) | ( $n=1,017$ ) | ( $n=930$ ) | ( $n=953$ ) | ( $n=1,011$ ) | ( $n=988$ ) |
| $\begin{aligned} & \text { Sex } \\ & \left(\chi^{2}{ }_{9}=49.7, p<0.0001\right)(\text { missing } n) \end{aligned}$ | (0) | (0) | (0) | (0) | (0) | (0) | (0) | (0) | (0) | (0) |
| Male | 68.4 | 64.2 | 64.8 | 67.3 | 67.9 | 62.8 | 65.9 | 63.2 | 67.5 | 56.4 |
| Female | 31.6 | 35.8 | 35.2 | 32.7 | 32.1 | 37.2 | 34.1 | 36.8 | 32.5 | 43.6 |
| Age $\left(\chi^{2}{ }_{27}=176.9, p<0.0001\right)(\text { missing } n)$ | (9) | (1) | (0) | (1) | (1) | (18) | (11) | (8) | (4) | (6) |
| $<35$ years | 6.8 | 7.1 | 7.3 | 5.8 | 9.0 | 4.7 | 6.8 | 7.8 | 2.6 | 7.1 |
| 35-44 years | 28.7 | 26.8 | 26.6 | 24.9 | 25.5 | 22.2 | 22.6 | 22.2 | 14.0 | 21.4 |
| 45-54 years | 34.6 | 36.7 | 35.2 | 36.5 | 31.8 | 34.3 | 35.6 | 36.4 | 37.5 | 36.7 |
| 55+ years | 30.0 | 29.4 | 30.9 | 32.7 | 33.6 | 38.7 | 35.0 | 33.5 | 45.9 | 34.8 |
| Years in general practice $\left(\chi_{36}^{2}=236.6, p<0.001\right)(\text { missing } n)$ | (6) | (4) | (6) | (9) | (5) | (13) | (13) | (7) | (6) | (7) |
| $<2$ years | 0.5 | 0.3 | 0.6 | 1.3 | 0.4 | 0.6 | 0.6 | 0.6 | 0.1 | 1.1 |
| 2-5 years | 6.5 | 7.3 | 7.5 | 5.4 | 10.3 | 4.9 | 7.9 | 9.9 | 3.4 | 8.9 |
| 6-10 years | 13.8 | 13.5 | 13.5 | 10.7 | 12.6 | 12.1 | 11.1 | 12.9 | 5.7 | 12.3 |
| 11-19 years | 30.1 | 28.5 | 28.0 | 28.1 | 25.4 | 24.0 | 23.5 | 20.6 | 19.3 | 23.3 |
| 20+ years | 49.1 | 50.5 | 50.4 | 54.6 | 51.3 | 58.5 | 57.0 | 55.9 | 71.5 | 54.3 |
| Sessions per week $\left(\chi^{2}{ }_{16}=65.9, p<0.0011\right)(\text { missing } n)$ | (17) | (15) | (8) | (7) | (8) | (6) | (7) | (9) | (6) |  |
| < 6 per week | 16.2 | 16.2 | 18.7 | 17.2 | 14.4 | 17.3 | 17.0 | 15.4 | 12.4 | NAv |
| 6-10 per week | 67.3 | 68.8 | 67.9 | 69.2 | 71.2 | 70.7 | 73.3 | 73.9 | 78.0 | NAv |
| 11+ per week | 16.5 | 15.0 | 13.4 | 13.6 | 11.4 | 12.0 | 9.6 | 10.9 | 9.6 | NAv |

Table 4.1 (continued): Characteristics of participating GPs, 2000-01 to 2009-10

| GP characteristic | Per cent of GPs ${ }^{\left({ }^{(a)}\right.}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
|  | ( $n=999$ ) | ( $n=983$ ) | ( $n=1,008$ ) | ( $n=1,000$ ) | ( $n=953$ ) | ( $n=1,017$ ) | ( $n=930$ ) | ( $n=953$ ) | ( $n=1,011$ ) | ( $n=988$ ) |
| Place of graduation ${ }^{(c)}$ $\left(\chi_{54}^{2}=83.9, p=0.006\right)(\text { missing } n)$ | (0) | (0) | (0) | (1) | (1) | (5) | (1) | (3) | (2) | (1) |
| Australia | 74.2 | 76.1 | 72.0 | 73.6 | 69.9 | 72.0 | 73.6 | 73.5 | 74.3 | 70.6 |
| Overseas | 25.8 | 23.9 | 28.0 | 26.4 | 30.2 | 28.0 | 26.4 | 26.5 | 25.7 | 29.4 |
| Asia | 9.6 | 8.7 | 10.0 | 9.5 | 10.9 | 10.9 | 10.1 | 9.8 | 8.3 | 9.8 |
| United Kingdom//reland | 9.4 | 7.6 | 9.1 | 7.2 | 7.6 | 8.1 | 7.3 | 6.8 | 10.3 | 8.8 |
| Africa and Middle East | 3.8 | 3.7 | 4.4 | 5.4 | 5.4 | 4.5 | 5.1 | 4.3 | 3.8 | 5.2 |
| Europe | 2.2 | 1.8 | 1.7 | 2.3 | 3.8 | 2.1 | 1.7 | 2.6 | 1.9 | 2.0 |
| New Zealand | 1.5 | 0.5 | 2.2 | 1.0 | 1.3 | 1.9 | 1.4 | 1.4 | 1.1 | 1.9 |
| Other | 0.8 | 1.6 | 0.6 | 1.0 | 1.3 | 0.6 | 0.8 | 1.6 | 0.3 | 1.6 |
| Consultations in languages other than English ${ }^{(b)}\left(\chi^{2}{ }_{18}=30.8, p=0.03\right)$ (missing $n$ ) | . | . | . | (6) | (1) | (10) | (0) | (4) | (3) | (3) |
| < $25 \%$ | NAv | NAv | NAv | 17.8 | 21.7 | 20.9 | 18.1 | 20.4 | 17.6 | 18.5 |
| 25-50\% | NAv | NAv | NAv | 2.9 | 2.4 | 3.6 | 1.6 | 3.1 | 3.5 | 3.6 |
| > 50\% | 13.5 | NAv | NAv | 2.4 | 3.4 | 3.5 | 2.9 | 3.6 | 3.0 | 1.8 |
| Currently in a general practice vocational training program | (46) | (36) | (28) | (14) | (10) | (13) | (13) | (4) | (8) | (6) |
| $\left(\chi^{2}{ }_{9}=17.7, p=0.04\right)($ missing $n)$ | 2.6 | 2.6 | 2.9 | 4.4 | 3.5 | 2.6 | 2.9 | 2.9 | 1.5 | 3.6 |
| Fellow of RACGP | (2) | (5) | (8) | (10) | (9) | (14) | (6) | (5) | (7) | (4) |
| $\left(\chi_{9}^{2}=194.4, p<0.0001\right)($ missing $n)$ | 31.5 | 35.3 | 35.5 | 33.5 | 42.3 | 40.7 | 46.3 | 50.2 | 39.7 | 53.5 |

Table 4.1 (continued): Characteristics of participating GPs, 2000-01 to 2009-10

Table 4.1 (continued): Characteristics of participating GPs, 2000-01 to 2009-10

| GP characteristic | Per cent of GPs ${ }^{(\text {a }}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
|  | ( $n=999$ ) | ( $n=983$ ) | ( $n=1,008$ ) | ( $n=1,000$ ) | ( $n=953$ ) | ( $n=1,017$ ) | ( $n=930$ ) | ( $n=953$ ) | ( $n=1,011$ ) | ( $n=988$ ) |
| Size of practice-Full-time equivalents$\left(\chi^{2}{ }_{6}=16.8, p=0.01\right)(\text { missing } n)$ |  |  |  |  |  |  |  |  |  |  |
| <2 | NAv | NAv | NAv | NAv | NAv | NAv | NAv | 17.6 | 19.6 | 15.2 |
| $2-<5 \mathrm{GPs}$ | NAv | NAv | NAv | NAv | NAv | NAv | NAv | 41.2 | 42.9 | 48.9 |
| $5-<10$ GPs | NAv | NAv | NAv | NAv | NAv | NAv | NAv | 31.9 | 29.4 | 28.2 |
| 10+ GPs | NAv | NAv | NAv | NAv | NAv | NAv | NAv | 9.3 | 8.1 | 7.2 |
| After-hours arrangements ${ }^{(d)}$ (missing $n$ ) | (0) | (0) | (5) | (5) | (8) | (14) | (3) | (6) | (6) | (2) |
| Practice does its own $\left(\chi_{9}^{2}=139.9, p<0.0001\right)$ | 45.6 | 41.6 | 42.9 | 43.6 | 35.9 | 34.6 | 34.6 | 33.2 | 28.9 | 29.1 |
| Cooperative with other practices ( $\chi^{2}{ }_{9}=24.3, p=0.004$ ) | 19.3 | 19.4 | 16.7 | 20.0 | 16.2 | 15.7 | 15.5 | 14.6 | 15.1 | 17.8 |
| Deputising service $\left(\chi_{9}^{2}=66.1, p<0.0001\right)$ | 44.5 | 46.4 | 47.6 | 43.8 | 45.8 | 50.8 | 48.1 | 49.5 | 57.9 | 53.1 |
| Computer use at practice ${ }^{(\text {e) }}$ ( $\chi_{7}^{2}=113.7, p<0.0001$ ) (missing $n$ ) | $\begin{array}{r} (0) \\ 87.6 \end{array}$ | $\begin{array}{r} (0) \\ 89.8 \end{array}$ | $(5)$ 91.7 | (6) 95.1 | (14) 93.7 | (19) 94.5 | $(0)$ 96.6 | $(7)$ 96.7 | NAv | NAv |
| Computer use by individual GPs ${ }^{(f)}$ ( $\chi^{2}{ }_{5}=69.0, p<0.0001$ ) (missing $n$ ) | NAv | NAv | NAv | NAv | $\begin{aligned} & (54) \\ & 89.0 \end{aligned}$ | $\begin{aligned} & (60) \\ & 91.5 \end{aligned}$ | $\begin{aligned} & \text { (71) } \\ & 93.7 \end{aligned}$ | $\begin{align*} & \text { (63) }  \tag{23}\\ & 94.2 \end{align*}$ | $\begin{array}{r} (3) \\ 94.6 \end{array}$ | $(1)$ 97.7 |

[^1]
## 5 The encounters

This chapter includes details about the encounters in general practice from each of the 10 years of the BEACH study from 2000-01 to 2009-10. The direction and type of change from 2000-01 to 2009-10 is indicated for each result in the far right column of the tables: $\uparrow / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal change, and - indicates there was no change.
Significant linear changes can be extrapolated to estimate the national increase or decrease in the content of encounters between 2000-01 and 2009-10. An example of an extrapolated change is given for each table. The method used to extrapolate to national change estimates is described in Section 2.8.

### 5.1 Content of the encounters

Table 5.1 provides an overview of the changes over time from data collected in BEACH between 2000-01 and 2009-10. Many changes have occurred over this 10-year period.
The number of patient reasons for encounter recorded by the GP increased significantly over the decade, from 151.0 RFEs per 100 encounters in 2000-01 to 155.0 per 100 encounters in 2009-10. Changes in the individual types of RFEs are investigated in Chapter 6.
A steady increase in the rate of problems managed occurred over the decade, from 144.5 per 100 encounters in 2000-01 to 153.3 per 100 encounters in 2009-10. This represents an additional 33.7 million problems managed in general practice in 2009-10 compared with a decade earlier. Specific changes in problems managed are presented in Chapter 7.
Reflecting the overall increase in the rate of problems managed was an increase in the rate of new problems managed, from 47.3 per 100 encounters in 2000-01 to 59.1 per 100 in 2009-10, representing an increase of 21.4 million new problems managed nationally.
There was also a significant increase in the rate of chronic problems managed, from 48.2 per 100 encounters in 2000-01 to 54.1 per 100 in 2009-10, representing an estimated additional 16 million chronic problems managed in general practice nationally in 2009-10 compared with 2000-01.
There was no change in the overall rate of medications recorded since 2000-01. However, there were changes in the pattern of supply source of medications, including:

- a significant decrease in the rate of medications prescribed, from 92.3 per 100 encounters in 2000-01 to 83.4 per 100 encounters in 2009-10, representing 4.6 million fewer prescriptions written in 2009-10 than in 2000-01.
- a significant increase (almost double) in the rate at which medications were supplied by GPs direct to patients, from 6.9 per 100 encounters in 2000-01 to 13.6 per 100 encounters in 2009-10. This suggests that an additional 8.9 million medications were supplied by GPs to patients in 2009-10. These results are described in more detail in Chapter 9.
There was a significant increase in the number of procedural treatments performed in general practice between 2000-01 and 2009-10, from 12.2 per 100 encounters to 17.5 per 100 encounters. This linear increase represents an additional 8.2 million procedures performed in 2009-10.

The rate at which clinical treatments (such as advice and counselling) were recorded varied over the decade, and no overall linear change was apparent between 2000-01 and 2009-10. From 2000-01 to 2004-05 there was no change in the rate of clinical treatments, but the rate then dropped dramatically from 39.2 per 100 encounters in 2004-05 to 29.2 per 100 encounters in 2005-06. Since then it has gradually increased to 35.0 per 100 encounters in 2009-10.
Other areas that increased over time included: referrals (overall, to specialists and to allied health professionals), pathology and imaging orders (Table 5.1). These changes are reported in more detail in their respective chapters.
As a proportion of all Medicare/DVA-claimable encounters recorded in BEACH:

- home visits more than halved, from $1.5 \%$ of Medicare/DVA claimable encounters in 2000-01 to $0.7 \%$ per 100 in 2009-10 (Table 5.2), suggesting a national effect of 690,000 fewer home visits by GPs in 2009-10 than 10 years earlier
- significant increases were found in the proportion of Medicare/DVA-claimable encounters for chronic disease management items, health assessments and GP mental health care items
- long surgery consultations as a proportion of Medicare/DVA claims did not change between 2000-01 ( $8.8 \%$ ) and 2009-10 ( $8.3 \%$ ). However, after a significant increase in the first half of the decade to peak at $10.5 \%$ in 2004-05, long consultations stayed steady until 2007-08 then dropped, accounting for a significantly smaller proportion of claims in 2008-09 and 2009-10 than in the middle of the decade
- short surgery consultations as a proportion of all Medicare/DVA claimable consultations varied over the study period, more than doubling from their low of $1.0 \%$ in 2004-05 to $2.2 \%$ in 2009-10 (Table 5.2). Previous research suggests that a large part of the recent increase was related to increasing practice nurse involvement in encounters. ${ }^{51}$
In the subsample study for length of consultation that included start and finish times, there was no significant change in the mean length of consultation between 2000-01 and 2009-10 for A1 Medicare/DVA-claimable encounters, nor for all Medicare/DVA-claimable encounters (Table 5.3).
The mean length of Medicare/DVA claimable consultations in 2009-10 was similar to that of 2000-01, at about 15 minutes. The median length of consultations was 13.0 minutes in all years except 2003-04 and 2009-10, when it was 14.0 minutes.
Table 5.1: Summary of morbidity and management, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Variable | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Reasons for encounter | $\begin{gathered} 151.0 \\ (149.2-152.8) \end{gathered}$ | $\begin{gathered} 149.2 \\ (147.4-150.9) \end{gathered}$ | $\begin{gathered} 150.9 \\ (149.0-152.7) \end{gathered}$ | $\begin{gathered} 150.2 \\ (148.4-152.0) \end{gathered}$ | $\begin{gathered} 149.6 \\ (147.8-151.5) \end{gathered}$ | $\begin{gathered} 150.3 \\ (148.4-152.2) \end{gathered}$ | $\begin{gathered} 150.8 \\ (148.9-152.7) \end{gathered}$ | $\begin{gathered} 153.0 \\ (151.1-154.8) \end{gathered}$ | $\begin{gathered} 156.5 \\ (154.7-158.2) \end{gathered}$ | $\begin{gathered} 155.0 \\ (153.1-156.8) \end{gathered}$ | $\uparrow$ |
| Problems managed | $\begin{gathered} 144.5 \\ (142.8-146.3) \end{gathered}$ | $\begin{gathered} 143.4 \\ (141.7-145.2) \end{gathered}$ | $\begin{gathered} 144.9 \\ (143.0-146.8) \end{gathered}$ | $\begin{gathered} 146.3 \\ (144.4-148.2) \end{gathered}$ | $\begin{gathered} 145.5 \\ (143.6-147.4) \end{gathered}$ | $\begin{gathered} 146.2 \\ (144.2-148.2) \end{gathered}$ | $\begin{gathered} 148.5 \\ (146.4-150.6) \end{gathered}$ | $\begin{gathered} 151.3 \\ (149.2-153.4) \end{gathered}$ | $\begin{gathered} 154.6 \\ (152.6-156.5) \end{gathered}$ | $\begin{gathered} 153.3 \\ (151.1-155.5) \end{gathered}$ | $\uparrow$ |
| New problems | $\begin{gathered} 47.3 \\ (45.7-49.0) \end{gathered}$ | $\begin{gathered} 55.1 \\ (53.8-56.5) \end{gathered}$ | $\begin{gathered} 56.9 \\ (55.5-58.4) \end{gathered}$ | $\begin{gathered} 55.9 \\ (54.5-57.3) \end{gathered}$ | $\begin{gathered} 55.2 \\ (53.8-56.5) \end{gathered}$ | $\begin{gathered} 56.9 \\ (55.5-58.2) \end{gathered}$ | $\begin{gathered} 56.5 \\ (55.1-57.9) \end{gathered}$ | $\begin{gathered} 57.7 \\ (56.3-59.1) \end{gathered}$ | $\begin{gathered} 57.4 \\ (56.0-58.7) \end{gathered}$ | $\begin{gathered} 59.1 \\ (57.6-60.5) \end{gathered}$ | $\uparrow$ |
| Chronic problems | $\begin{gathered} 48.2 \\ (46.6-49.8) \end{gathered}$ | $\begin{gathered} 49.3 \\ (47.7-50.9) \end{gathered}$ | $\begin{gathered} 49.1 \\ (47.4-50.8) \end{gathered}$ | $\begin{gathered} 51.9 \\ (50.1-53.6) \end{gathered}$ | $\begin{gathered} 51.8 \\ (50.1-53.5) \end{gathered}$ | $\begin{gathered} 52.2 \\ (50.3-54.0) \end{gathered}$ | $\begin{gathered} 53.4 \\ (51.7-55.1) \end{gathered}$ | $\begin{gathered} 54.0 \\ (52.1-55.9) \end{gathered}$ | $\begin{gathered} 56.9 \\ (55.1-58.6) \end{gathered}$ | $\begin{gathered} 54.1 \\ (52.2-56.1) \end{gathered}$ | $\uparrow$ |
| Work-related | $\begin{gathered} 3.3 \\ (3.1-3.5) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.7-3.2) \end{gathered}$ | Nav | Nav | $\begin{gathered} 3.1 \\ (2.8-3.5) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\downarrow$ |
| Medications | $\begin{gathered} 108.1 \\ (105.7-110.6) \end{gathered}$ | $\begin{gathered} 104.5 \\ (102.2-106.9) \end{gathered}$ | $\begin{gathered} 103.8 \\ (101.4-106.2) \end{gathered}$ | $\begin{gathered} 104.4 \\ (102.1-106.7) \end{gathered}$ | $\begin{gathered} 101.5 \\ (99.3-103.8) \end{gathered}$ | $\begin{gathered} 104.4 \\ (101.8-107.0) \end{gathered}$ | $\begin{gathered} 101.5 \\ (99.2-103.9) \end{gathered}$ | $\begin{gathered} 102.7 \\ (100.3-105.0) \end{gathered}$ | $\begin{gathered} 106.3 \\ (104.0-108.5) \end{gathered}$ | $\begin{gathered} 106.6 \\ (103.6-109.5) \end{gathered}$ | - |
| Prescribed | $\begin{gathered} 92.3 \\ (89.8-94.7) \end{gathered}$ | $\begin{gathered} 88.0 \\ (85.6-90.4) \end{gathered}$ | $\begin{gathered} 84.3 \\ (81.8-86.9) \end{gathered}$ | $\begin{gathered} 86.0 \\ (83.6-88.5) \end{gathered}$ | $\begin{gathered} 83.4 \\ (81.2-85.6) \end{gathered}$ | $\begin{gathered} 85.8 \\ (83.3-88.4) \end{gathered}$ | $\begin{gathered} 83.3 \\ (81.0-85.5) \end{gathered}$ | $\begin{gathered} 82.4 \\ (80.3-84.6) \end{gathered}$ | $\begin{gathered} 86.4 \\ (84.1-88.6) \end{gathered}$ | $\begin{gathered} 83.4 \\ (80.6-86.2) \end{gathered}$ | $\downarrow$ |
| GP-supplied | $\begin{gathered} 6.9 \\ (5.9-7.9) \end{gathered}$ | $\begin{gathered} 7.6 \\ (6.6-8.7) \end{gathered}$ | $\begin{gathered} 9.3 \\ (8.0-10.6) \end{gathered}$ | $\begin{gathered} 8.6 \\ (7.6-9.6) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.3-8.8) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.2-9.5) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.6) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.5-10.7) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.2-11.8) \end{gathered}$ | $\begin{gathered} 13.6 \\ (12.7-14.6) \end{gathered}$ | $\uparrow$ |
| Advised OTC | $\begin{gathered} 9.0 \\ (8.2-9.7) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.6) \end{gathered}$ | $\begin{gathered} 10.2 \\ (9.3-11.1) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.0-10.5) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.2-10.9) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.0-10.5) \end{gathered}$ | $\begin{gathered} 9.4 \\ (8.7-10.1) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.3-10.9) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.3-9.4) \end{gathered}$ | $\begin{gathered} 9.5 \\ (8.7-10.3) \end{gathered}$ | - |
| Other treatments | $\begin{gathered} 49.4 \\ (47.1-51.7) \end{gathered}$ | $\begin{gathered} 51.9 \\ (49.5-54.2) \end{gathered}$ | $\begin{gathered} 51.8 \\ (49.3-54.3) \end{gathered}$ | $\begin{gathered} 51.4 \\ (48.9-53.8) \end{gathered}$ | $\begin{gathered} 54.7 \\ (52.1-57.3) \end{gathered}$ | $\begin{gathered} 43.6 \\ (41.5-45.8) \end{gathered}$ | $\begin{gathered} 44.7 \\ (42.3-47.0) \end{gathered}$ | $\begin{gathered} 51.2 \\ (48.9-53.6) \end{gathered}$ | $\begin{gathered} 50.7 \\ (48.5-52.9) \end{gathered}$ | $\begin{gathered} 52.5 \\ (49.8-55.3) \end{gathered}$ | § |
| Clinical | $\begin{gathered} 37.2 \\ (35.1-39.3) \end{gathered}$ | $\begin{gathered} 38.1 \\ (36.1-40.1) \end{gathered}$ | $\begin{gathered} 37.2 \\ (35.0-39.4) \end{gathered}$ | $\begin{gathered} 36.6 \\ (34.5-38.7) \end{gathered}$ | $\begin{gathered} 39.2 \\ (37.1-41.4) \end{gathered}$ | $\begin{gathered} 29.2 \\ (27.3-31.1) \end{gathered}$ | $\begin{gathered} 29.5 \\ (27.6-31.4) \end{gathered}$ | $\begin{gathered} 34.5 \\ (32.5-36.5) \end{gathered}$ | $\begin{gathered} 34.0 \\ (32.1-35.9) \end{gathered}$ | $\begin{gathered} 35.0 \\ (32.6-37.4) \end{gathered}$ | § |
| Procedural | $\begin{gathered} 12.2 \\ (11.6-12.8) \end{gathered}$ | $\begin{gathered} 13.8 \\ (13.1-14.5) \end{gathered}$ | $\begin{gathered} 14.6 \\ (13.9-15.3) \end{gathered}$ | $\begin{gathered} 14.7 \\ (14.0-15.5) \end{gathered}$ | $\begin{gathered} 15.5 \\ (14.6-16.4) \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.7-15.1) \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.4-16.0) \end{gathered}$ | $\begin{gathered} 16.7 \\ (15.9-17.5) \end{gathered}$ | $\begin{gathered} 16.7 \\ (16.0-17.5) \end{gathered}$ | $\begin{gathered} 17.5 \\ (16.5-18.6) \end{gathered}$ | $\uparrow$ |

Table 5.1 (continued): Summary of morbidity and management, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | $\uparrow^{(a)}$ |
| Variable | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Referrals | $\begin{gathered} 10.4 \\ (10.0-10.8) \end{gathered}$ | $\begin{gathered} 10.5 \\ (10.1-10.9) \end{gathered}$ | $\begin{gathered} 11.2 \\ (10.7-11.6) \end{gathered}$ | $\begin{gathered} 11.6 \\ (11.1-12.2) \end{gathered}$ | $\begin{gathered} 11.5 \\ (11.1-12.0) \end{gathered}$ | $\begin{gathered} 12.0 \\ (11.5-12.5) \end{gathered}$ | $\begin{gathered} 12.2 \\ (11.7-12.7) \end{gathered}$ | $\begin{gathered} 12.5 \\ (12.0-13.0) \end{gathered}$ | $\begin{gathered} 13.7 \\ (13.2-14.2) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.8-13.8) \end{gathered}$ | $\uparrow$ |
| Specialist | $\begin{gathered} 7.3 \\ (7.0-7.7) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.3-8.0) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.2) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.8-8.5) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.7-8.4) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.6-8.3) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.7-9.3) \end{gathered}$ | $\begin{gathered} 8.4 \\ (8.1-8.8) \end{gathered}$ | $\uparrow$ |
| Allied health services | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.2) \end{gathered}$ | $\uparrow$ |
| Hospital | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\downarrow$ |
| Emergency department | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Other referrals | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\uparrow$ |
| Other medical services | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\uparrow$ |
| Pathology | $\begin{gathered} 29.7 \\ (28.4-30.9) \end{gathered}$ | $\begin{gathered} 31.0 \\ (29.7-32.4) \end{gathered}$ | $\begin{gathered} 32.9 \\ (31.4-34.4) \end{gathered}$ | $\begin{gathered} 35.2 \\ (33.7-36.8) \end{gathered}$ | $\begin{gathered} 36.7 \\ (35.2-38.2) \end{gathered}$ | $\begin{gathered} 38.6 \\ (36.9-40.3) \end{gathered}$ | $\begin{gathered} 42.4 \\ (40.7-44.2) \end{gathered}$ | $\begin{gathered} 43.1 \\ (41.3-45.0) \end{gathered}$ | $\begin{gathered} 45.6 \\ (43.8-47.4) \end{gathered}$ | $\begin{gathered} 45.0 \\ (43.1-46.9) \end{gathered}$ | $\uparrow$ |
| Imaging | $\begin{gathered} 7.7 \\ (7.3-8.0) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.2) \end{gathered}$ | $\begin{gathered} 8.6 \\ (8.2-9.0) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.8-8.6) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.4-9.2) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.6-9.3) \end{gathered}$ | $\begin{gathered} 9.5 \\ (9.2-9.9) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.4-10.2) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.3-10.1) \end{gathered}$ | $\uparrow$ |
| Other investigations | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | § |

(a) The direction and type of change is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\S$ indicates a non-linear significant or marginal change, and -indicates there was no change. $\mp$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.
Note: CI-confidence interval; Nav—not available; OTC—over-the-counter.
Table 5.2: Type of encounter, summary of annual results (most frequent events), 2000-01 to 2009-10

| MBS/DVA consultation category | Percentage distribution of Medicare/DVA-claimable encounters (95\% CI) |  |  |  |  |  |  |  |  |  | $\boldsymbol{\uparrow}^{(\mathrm{a})}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=82,113$ ) | $(n=84,196)$ | ( $n=89,068$ ) | ( $n=86,244$ ) | $(n=81,582)$ | ( $n=89,011$ ) | ( $n=79,847$ ) | ( $n=83,376$ ) | ( $n=86,069$ ) | ( $n=89,113$ ) |  |
| Short surgery consultations | $\begin{gathered} 1.6 \\ (0.3-2.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.4) \end{gathered}$ | $\begin{gathered} \hline 1.0 \\ (0.8-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} \hline 1.1 \\ (0.9-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.5) \end{gathered}$ | § |
| Standard surgery consultations | $\begin{gathered} 83.9 \\ (82.9-84.9) \end{gathered}$ | $\begin{gathered} 84.1 \\ (83.1-85.0) \end{gathered}$ | $\begin{gathered} 82.8 \\ (81.8-83.9) \end{gathered}$ | $\begin{gathered} 82.4 \\ (81.2-83.6) \end{gathered}$ | $\begin{gathered} 82.3 \\ (81.0-83.5) \end{gathered}$ | $\begin{gathered} 83.7 \\ (82.7-84.7) \end{gathered}$ | $\begin{gathered} 83.4 \\ (82.4-84.3) \end{gathered}$ | $\begin{gathered} 82.1 \\ (80.1-83.3) \end{gathered}$ | $\begin{gathered} 83.9 \\ (83.0-84.8) \end{gathered}$ | $\begin{gathered} 82.0 \\ (80.9-83.2) \end{gathered}$ | - |
| Long surgery consultations | $\begin{gathered} 8.8 \\ (8.2-9.5) \end{gathered}$ | $\begin{gathered} 8.7 \\ (8.0-9.3) \end{gathered}$ | $\begin{gathered} 9.6 \\ (8.9-10.2) \end{gathered}$ | $\begin{gathered} 9.7 \\ (9.0-10.4) \end{gathered}$ | $\begin{gathered} 10.5 \\ (9.7-11.2) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.1-10.5) \end{gathered}$ | $\begin{gathered} 10.0 \\ (9.3-10.6) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.2-10.5) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.1-8.2) \end{gathered}$ | $\begin{gathered} 8.3 \\ (7.7-8.9) \end{gathered}$ | § |
| Prolonged surgery consultations | $\begin{gathered} 0.7 \\ (0.5-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.8) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | - |
| Home visits | $\begin{gathered} 1.5 \\ (1.2-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.3-1.9) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.0-1.8) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.5) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.6-1.4) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.1) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.9) \end{gathered}$ | $\downarrow$ |
| Hospital | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.2-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | - |
| Residential aged care facility | $\begin{gathered} 0.7 \\ (0.5-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.7-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.6) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.8-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (0.9-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.0-1.6) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.0-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (0.9-1.6) \end{gathered}$ | - |
| Chronic disease management | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\uparrow$ |
| Case conference | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0-0.0) \end{gathered}$ | - |
| Health assessment | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Incentive payments | N/A | N/A | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\uparrow$ |
| GP mental health care | Nav | Nav | $\begin{gathered} 0.0 \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\uparrow$ |
| Other items | $\begin{gathered} 2.5 \\ (2.0-3.0) \end{gathered}$ | $\begin{gathered} 2.5 \\ (1.9-3.0) \end{gathered}$ | $\begin{gathered} 2.4 \\ (1.8-3.0) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.0-3.5) \end{gathered}$ | $\begin{gathered} 2.6 \\ (1.7-3.4) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.3-1.8) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.1-1.7) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.5-2.4) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.2-1.9) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.2-2.9) \end{gathered}$ | § |

[^2]Note: Includes encounters that were recorded as claimable through the Department of Veterans' Affairs (DVA). Cl—confidence interval; MBS—Medicare Benefits Schedule; N/A—not applicable; Nav—not available.
Table 5.3: Consultation length (minutes), 2000-01 to 2009-10

| Variable | Consultation length (minutes) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
| A1 Medicare/DVA items $(A, B, C, D)^{(a)}$ | ( $n=30,961$ ) | $(n=35,104)$ | $(n=34,886)$ | ( $n=31,844$ ) | $(n=30,683)$ | $(n=32,830)$ | $(n=33,756)$ | $(n=29,956)$ | $(n=33,025)$ | $(n=31,442)$ |
| Mean | $\begin{gathered} 14.8 \\ (14.5-15.1) \end{gathered}$ | $\begin{gathered} 14.9 \\ (14.7-15.2) \end{gathered}$ | $\begin{gathered} 14.8 \\ (14.5-15.1) \end{gathered}$ | $\begin{gathered} 15.0 \\ (14.7-15.3) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.8-15.4) \end{gathered}$ | $\begin{gathered} 14.9 \\ (14.6-15.1) \end{gathered}$ | $\begin{gathered} 14.9 \\ (14.7-15.2) \end{gathered}$ | $\begin{gathered} 14.8 \\ (14.6-15.1) \end{gathered}$ | $\begin{gathered} 14.4 \\ (14.2-14.6) \end{gathered}$ | $\begin{gathered} 15.0 \\ (14.7-15.2) \end{gathered}$ |
| Median | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Mode | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Range | 1-106 | 1-155 | 1-165 | 1-120 | 1-120 | 1-110 | 1-155 | 1-110 | 1-120 | 1-148 |
| All Medicare/DVA-claimable encounters (GP items) | $(n=31,734)$ | $(n=36,142)$ | $(n=35,861)$ | ( $n=32,839$ ) | $(n=31,510)$ | $(n=34,111)$ | $(n=35,201)$ | $(n=31,722)$ | $(n=34,783)$ | $(n=33,613)$ |
| Mean | $\begin{gathered} 14.9 \\ (14.6-15.2) \end{gathered}$ | $\begin{gathered} 15.0 \\ (14.8-15.3) \end{gathered}$ | $\begin{gathered} 14.9 \\ (14.6-15.2) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.9-15.4) \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.9-15.5) \end{gathered}$ | $\begin{gathered} 15.0 \\ (14.7-15.2) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.8-15.3) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.8-15.3) \end{gathered}$ | $\begin{gathered} 14.6 \\ (14.4-14.9) \end{gathered}$ | $\begin{gathered} 15.3 \\ (15.0-15.5) \end{gathered}$ |
| Median | 13.0 | 13.0 | 13.0 | 14.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 14.0 |
| Mode | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Range | 1-150 | 1-180 | 1-165 | 1-175 | 1-180 | 1-110 | 1-155 | 1-110 | 1-120 | 1-148 |

[^3]Note: DVA—Australian Government Department of Veterans' Affairs.

## 6 The patients

This chapter includes data about the patients who participated in the BEACH study, including the patient characteristics and reasons for the encounter (RFEs), from each of the 10 years of the BEACH study from 2000-01 to 2009-10. The direction and type of change from 2000-01 to 2009-10 is indicated for each result in the far right column of the tables: $\uparrow / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal change, and - indicates that there was no change.
Significant linear changes in rate per 100 encounters can be extrapolated to estimate the national increase or decrease in patient characteristics or RFEs between 2000-01 and 2009-10. An example of an extrapolation is given for each table. The method used to extrapolate to national change estimates is described in Section 2.8.

### 6.1 Age-sex distribution of patients at encounter

Table 6.1 shows the age-sex distribution of patients at BEACH encounters between 2000-01 and 2009-10. Over this period the proportion of encounters with patients aged less than 45 years decreased from $50.9 \%$ to $44.0 \%$, while over the same period the proportion with patients aged 45 years and over increased from $49.1 \%$ to $56.0 \%$. When extrapolated, even with the increased number of encounters nationally, the number of encounters with younger patients only increased by about 190,000 over the decade, while the number of encounters with older patients increased by about 16 million nationally. The relationship between patient age, general practice attendance rates and the age distribution of the Australian population was investigated in Chapter 4 of General practice in Australia, health priorities and policies 1998 to $2008 .{ }^{52}$

### 6.2 Other patient characteristics

In earlier years of BEACH, for other patient characteristics in Table 6.1, the encounter form included only a 'yes' option for GPs to indicate whether the variable applied to the patient. The absence of a 'no' option prevented any differentiation between a 'no' response and no answer at all (that is, missing data). From 2001, the encounter form was redesigned to include both 'yes' and 'no' response options, to allow identification of the proportion of missing data.
For comparison purposes, to date these characteristics have been reported with the missing data counted as 'no' responses, as footnoted in the relevant table in previous reports. As 9 years of data are now available, these variables are now primarily reported with the missing responses removed. The proportion of missing responses was small enough to have not changed the outcome for any variable; this change makes it possible to report these variables consistently with all other variables reported. The results using the old method are presented for continuity at the end of Table 6.1.
Using the original method at the bottom of Table 6.1 shows that the proportion of encounters with patients holding a Commonwealth concession card has increased significantly from $36.7 \%$ in $2000-01$ to $42.2 \%$ in 2009-10. However, there was no difference between 2001-02 and 2009-10 for the proportion of those patients holding a Commonwealth health concession
card using either method. The proportion of patients with a Repatriation health card between 2001-02 and 2009-10 decreased significantly using either method. The proportion of patients calculated using the original method who were new to practice increased from $8.0 \%$ in 2000-01 to $9.7 \%$ in 2002-03, then decreased significantly to $5.8 \%$ in 2008-09, and then increased to $7.6 \%$ in 2009-10. The pattern of new patients to practice was similar using both methods.

### 6.3 Patient reasons for encounter

RFEs are those concerns and expectations that patients bring to the GP. International interest in reasons for encounter has been developing over the past three decades. RFEs reflect the patient's demand for care, and can provide an indication of service use patterns that may benefit from intervention on a population level. ${ }^{53}$
Participating GPs were asked to record at least one and up to three patient RFEs in words as close as possible to those used by the patient, before the diagnostic or management process had begun. RFEs can be expressed in terms of one or more symptoms (for example, 'itchy eyes', 'chest pain'), in diagnostic terms (for example, 'about my diabetes', 'for my hypertension'), a request for a service ('I need more scripts', 'I want a referral'), an expressed fear of disease, or a need for a check-up.
Patient RFEs can have a one-to-one, one-to-many, many-to-one and many-to-many relationship to problems managed. That is, the patient may describe a single RFE that relates to a single problem managed at the encounter, one RFE that relates to multiple problems, multiple symptoms that relate to a single problem managed at the encounter, or multiple RFEs that relate to multiple problems managed at the encounter.

## Number of reasons for encounter

Table 6.2 shows that since 2004-05 there has been was a decrease in the proportion of encounters involving a single RFE, from $61.4 \%$ to $57.7 \%$ in 2009-10. To balance this there was an increase in the proportion of encounters with multiple RFEs, with the proportion of encounters with two RFEs increasing from $27.6 \%$ in 2004-05 to $29.7 \%$ in 2009-10, and encounters with three RFEs increasing from $11.0 \%$ to $12.6 \%$. It is estimated that there were 10.5 million more encounters nationally where two or three RFEs were reported in 2009-10 than in 2000-01.

## Reasons for encounter by ICPC-2 chapter

Table 6.3 shows that between 2000-01 and 2009-10, there was:

- a significant increase in the overall rate of RFEs, from 151.0 per 100 encounters in $2000-01$ to 155.0 per 100 encounters in 2009-10. This increase equates to about 29 million extra RFEs nationally in 2009-10 than in 2000-01
- a $51 \%$ increase in the rate of general and unspecified RFEs, equating to an approximate increase of 21.4 million general and unspecified RFEs from 2000-01 to 2009-10 nationally
- a small but significant decrease across the decade in RFEs relating to ear problems and problems involving the musculoskeletal, cardiovascular, digestive, neurological and blood systems.


## Distribution of reasons for encounter by ICPC-2 component

This report uses the updated component groupings of ICPC-2 codes, released by the Wonca International Classification Committee in 2004. ${ }^{27}$ In addition, the 'diagnosis, disease' group has been expanded. Readers should note that data in previous reports are not comparable with the results reported here.
The distribution of patient RFEs by ICPC-2 component is presented in Table 6.4.

- RFEs expressed in terms of a symptom or complaint (for example, 'tired', 'feeling anxious') were the most frequent. However, the presentation rate of symptoms or complaints decreased significantly since 2000-01, from 73.8 per 100 encounters to 65.0 per 100 encounters in 2009-10.
- The rate of patient attendance to request test results nearly doubled, equating to an increase of more than 5.1 million encounters with a RFE of this type in 2009-10 compared with 2000-01.
- Requests for an administrative procedure (such as a medical certificate) more than doubled, equating to an increase of approximately 1.7 million requests for an administrative procedure nationally.
- Patient requests for medications, treatments and therapeutics (such as repeat prescriptions) increased by about one-quarter, equating to an increase of approximately 5.2 million such requests in 2009-10 compared with 2000-01.
- Patient requests for diagnostic and preventative treatments (such as immunisation) also increased from 22.3 per 100 encounters in 2000-01 to 27.0 per 100 encounters in 2009-10.
- Patients requests for referrals and other such RFEs increased from 6.5 per 100 encounters in 2000-01 to 7.6 per 100 encounters in 2009-10.
- Interestingly, the rate of RFEs relating to specific diagnoses (including infections, injuries, neoplasms and congenital anomalies) did not change across the decade.


## Most frequent patient reasons for encounter

Table 6.5 shows that between 2000-01 and 2009-10:

- the rate at which patients cited a need for prescription(s) as a RFE increased by about $26 \%$, equating to an increase of about 4.3 million encounters with this RFE in 2009-10 compared with 2000-01
- the rate of RFEs relating to a need for test results nearly doubled over the decade
- the rate of immunisations/vaccinations as RFEs increased by $48 \%$, equating to an extra 3.2 million such RFEs in 2009-10 compared with 2000-01
- the presentation rate of headache, ear pain, throat complaint, leg/thigh complaint, vomiting, neck complaint, asthma and oral contraception as a RFE all decreased by $25 \%$ or more between 2000-01 and 2009-10.
Table 6.1: Characteristics of patients at encounters, 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009- |  |
| Patient characteristics | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=988877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Sex (missing $n)^{(b)}$ | $(1,111)$ | (809) | (911) | (932) | (809) | (788) | (765) | (876) | (867) | (931) |  |
| Male | $\begin{gathered} 42.9 \\ (42.2-43.6) \end{gathered}$ | $\begin{gathered} 42.6 \\ (41.9-43.3) \end{gathered}$ | $\begin{gathered} 42.2 \\ (41.4-42.9) \end{gathered}$ | $\begin{gathered} 42.6 \\ (41.8-43.3) \end{gathered}$ | $\begin{gathered} 43.5 \\ (42.7-44.3) \end{gathered}$ | $\begin{gathered} 44.0 \\ (43.2-44.7) \end{gathered}$ | $\begin{gathered} 43.7 \\ (42.9-44.5) \end{gathered}$ | $\begin{gathered} 42.9 \\ (42.1-43.7) \end{gathered}$ | $\begin{gathered} 42.4 \\ (41.5-43.3) \end{gathered}$ | $\begin{gathered} 43.1 \\ (42.3-43.9) \end{gathered}$ | - |
| Female | $\begin{gathered} 57.1 \\ (56.4-57.8) \end{gathered}$ | $\begin{gathered} 57.4 \\ (56.7-58.1) \end{gathered}$ | $\begin{gathered} 57.8 \\ (57.0-58.6) \end{gathered}$ | $\begin{gathered} 57.4 \\ (56.7-58.2) \end{gathered}$ | $\begin{gathered} 56.5 \\ (55.7-57.3) \end{gathered}$ | $\begin{gathered} 56.0 \\ (55.3-56.8) \end{gathered}$ | ${ }_{(55.5-57.1)}^{56}$ | $\begin{gathered} 57.1 \\ (56.3-57.9) \end{gathered}$ | $\begin{gathered} 57.6 \\ (56.7-58.5) \end{gathered}$ | $\begin{gathered} 56.9 \\ (56.1-57.7) \end{gathered}$ |  |
| Age group (missing $n$ ) ${ }^{\text {b) }}$ | (846) | (760) | (895) | (905) | (925) | (769) | (779) | (784) | (704) | (781) |  |
| <1 year | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.1) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} (1.8-2.1) \end{gathered}$ | $\begin{gathered} (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ |  |
| $1-4$ years | $\begin{gathered} 5.4 \\ (5.1-5.7) \end{gathered}$ | $\begin{gathered} 4.9 \\ (4.6-5.2) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.7-5.3) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.3-4.8) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.0-4.7) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.0-4.5) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.9-4.4) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.1-4.6) \end{gathered}$ | $\stackrel{4.2}{(4.0-4.4)}$ | $\begin{gathered} 4.7 \\ (4.5-5.0) \end{gathered}$ | $\downarrow$ |
| 5-14 years | $\begin{gathered} 6.8 \\ (6.4-7.2) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.1-6.7) \end{gathered}$ | $\begin{gathered} 6.6 \\ (6.3-6.9) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.6-6.3) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.5-6.1) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.7-6.3) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.3-5.9) \end{gathered}$ | $\stackrel{5.5}{(5.2-5.8)}$ | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.4-6.0) \end{gathered}$ | $\downarrow$ |
| $15-24$ years | $\begin{gathered} 10.3 \\ (9.8-10.7) \end{gathered}$ | $\begin{gathered} 9.5 \\ (9.1-10.0) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.7-10.4) \end{gathered}$ | $\begin{gathered} 9.6 \\ (9.2-10.1) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.6-9.4) \end{gathered}$ | $\begin{gathered} 9.4 \\ (9.0-9.8) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.6-9.5) \end{gathered}$ | $\begin{gathered} 9.5 \\ (9.0-9.9) \end{gathered}$ | $\begin{gathered} 8.4 \\ (8.0-8.9) \end{gathered}$ | $\begin{gathered} 8.6 \\ (8.2-9.0) \end{gathered}$ | $\downarrow$ |
| 25-44 years | $\begin{gathered} 26.3 \\ (25.6-27.0) \end{gathered}$ | $\begin{gathered} 25.8 \\ (25.1-26.5) \end{gathered}$ | $\begin{gathered} 25.7 \\ (24.9-26.4) \end{gathered}$ | $\begin{gathered} 24.1 \\ (23.4-24.8) \end{gathered}$ | $\begin{gathered} 24.4 \\ (23.7-25.1) \end{gathered}$ | $\begin{gathered} 23.9 \\ (23.2-24.7) \end{gathered}$ | $\begin{gathered} 23.3 \\ (22.6-24.0) \end{gathered}$ | $\begin{gathered} 23.4 \\ (22.7-24.1) \end{gathered}$ | $\begin{gathered} 21.4 \\ (20.7-22.1) \end{gathered}$ | $\begin{gathered} 22.9 \\ (22.1-23.6) \end{gathered}$ | $\downarrow$ |
| 45-64 years | $\begin{gathered} 26.1 \\ (25.5-26.7) \end{gathered}$ | $\begin{gathered} 26.3 \\ (25.7-26.8) \end{gathered}$ | $\begin{gathered} 26.5 \\ (25.9-27.0) \end{gathered}$ | ${ }_{(26.7-27.7)}^{27.2}$ | $\begin{gathered} 28.0 \\ (27.4-28.6) \end{gathered}$ | $\begin{gathered} 27.6 \\ (27.0-28.2) \end{gathered}$ | $\begin{gathered} 28.2 \\ (27.6-28.7) \end{gathered}$ | $\begin{gathered} 28.1 \\ (27.5-28.6) \end{gathered}$ | $\begin{gathered} 29.1 \\ (28.5-29.6) \end{gathered}$ | $\begin{gathered} 28.2 \\ (27.7-28.8) \end{gathered}$ | $\uparrow$ |
| 65-74 years | $\begin{gathered} 11.7 \\ (11.2-12.2) \end{gathered}$ | $\begin{gathered} 12.3 \\ (11.8-12.8) \end{gathered}$ | $\begin{gathered} 11.6 \\ (11.1-12.0) \end{gathered}$ | $\begin{gathered} 12.4 \\ (11.9-12.9) \end{gathered}$ | $\begin{gathered} 12.6 \\ (12.1-13.2) \end{gathered}$ | $\begin{gathered} 12.2 \\ (11.7-12.6) \end{gathered}$ | $\begin{gathered} 12.7 \\ (12.2-13.2) \end{gathered}$ | $\begin{gathered} 12.6 \\ (12.1-13.1) \end{gathered}$ | $\begin{gathered} 13.4 \\ (12.9-13.9) \end{gathered}$ | $\begin{gathered} 12.7 \\ (12.2-13.2) \end{gathered}$ | $\uparrow$ |
| $75+$ years | $\begin{gathered} 11.3 \\ (10.7-12.0) \end{gathered}$ | $\begin{gathered} 12.8 \\ (12.0-13.5) \end{gathered}$ | $\begin{gathered} 12.7 \\ (11.9-13.4) \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.6-15.2) \end{gathered}$ | $\begin{gathered} 13.9 \\ (13.1-14.7) \end{gathered}$ | $\begin{gathered} 14.6 \\ (13.7-15.4) \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.4-16.0) \end{gathered}$ | $\begin{gathered} 14.7 \\ (13.9-15.5) \end{gathered}$ | $\begin{gathered} 16.2 \\ (15.4-17.0) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.3-16.0) \end{gathered}$ | $\uparrow$ |

Table 6.1 (continued): Characteristics of patients at encounters, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  | $\begin{gathered} \boldsymbol{T}^{(\mathrm{a})} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Patient characteristics | $(n=99,307)$ | ( $n=96,973$ ) | $(n=100,987)$ | $(n=98,877)$ | $(n=94,386)$ | ( $n=101,993$ ) | $(n=91,805)$ | $(n=95,898)$ | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Other characteristics ${ }^{(b)}$ |  |  |  |  |  |  |  |  |  |  |  |
| New patient to practice | Nav | $\begin{gathered} 9.2 \\ (8.5-9.9) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.1-10.8) \end{gathered}$ | $\begin{gathered} 9.3 \\ (8.6-10.0) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.4-9.9) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.3-9.9) \end{gathered}$ | $\begin{gathered} 8.7 \\ (7.9-9.4) \end{gathered}$ | $\begin{gathered} 8.6 \\ (7.8-9.4) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.5-6.3) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.1-8.3) \end{gathered}$ | § |
| Commonwealth concession card | Nav | $\begin{gathered} 46.1 \\ (44.6-47.6) \end{gathered}$ | $\begin{gathered} 45.0 \\ (43.4-46.5) \end{gathered}$ | $\begin{gathered} 46.6 \\ (45.1-48.2) \end{gathered}$ | $\begin{gathered} 47.5 \\ (46.0-49.0) \end{gathered}$ | $\begin{gathered} 45.4 \\ (43.8-47.0) \end{gathered}$ | $\begin{gathered} 45.4 \\ (43.8-46.9) \end{gathered}$ | $\begin{gathered} 45.5 \\ (44.0-47.1) \end{gathered}$ | $\begin{gathered} 45.7 \\ (44.3-47.0) \end{gathered}$ | $\begin{gathered} 45.9 \\ (44.3-47.4) \end{gathered}$ | - |
| Repatriation health card ${ }^{(d)}$ | Nav | $\begin{gathered} 3.7 \\ (3.4-4.0) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-4.0) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.2) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.3) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.2) \end{gathered}$ | $\downarrow$ |
| Non-English-speaking background | Nav | $\begin{gathered} 11.1 \\ (9.1-13.2) \end{gathered}$ | $\begin{gathered} 12.0 \\ (10.1-13.8) \end{gathered}$ | $\begin{gathered} 10.8 \\ (8.7-12.8) \end{gathered}$ | $\begin{gathered} 12.1 \\ (10.1-14.1) \end{gathered}$ | $\begin{gathered} 10.8 \\ (9.0-12.5) \end{gathered}$ | $\begin{gathered} 8.0 \\ (6.5-9.5) \end{gathered}$ | $\begin{gathered} 11.0 \\ (9.2-12.8) \end{gathered}$ | $\begin{gathered} 10.4 \\ (8.7-12.1) \end{gathered}$ | $\begin{gathered} 9.0 \\ (7.3-10.6) \end{gathered}$ | - |
| Aboriginal person and/or Torres Strait Islander | Nav | $\begin{gathered} 1.1 \\ (0.8-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.4) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.3-2.3) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.1-2.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.7-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.7-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.3) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.1) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.0-1.6) \end{gathered}$ | - |
| Other characteristics ${ }^{\ominus}$ (missing data counted as a response of ' no ') |  |  |  |  |  |  |  |  |  |  |  |
| New patient to practice | $\begin{gathered} 8.0 \\ (7.2-8.7) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.5) \end{gathered}$ | $\begin{gathered} 9.7 \\ (8.9-10.5) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.4-9.8) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.1-9.6) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.7) \end{gathered}$ | $\begin{gathered} 8.4 \\ (7.7-9.2) \end{gathered}$ | $\begin{gathered} 8.5 \\ (7.7-9.3) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.4-6.2) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.0-8.2) \end{gathered}$ | § |
| Commonwealth concession card | $\begin{gathered} 36.7 \\ (35.1-38.3) \end{gathered}$ | $\begin{gathered} 41.9 \\ (40.4-43.3) \end{gathered}$ | $\begin{gathered} 40.4 \\ (38.8-41.9) \end{gathered}$ | $\begin{gathered} 42.5 \\ (41.0-44.0) \end{gathered}$ | $\begin{gathered} 43.2 \\ (41.8-44.7) \end{gathered}$ | $\begin{gathered} 42.1 \\ (40.6-43.7) \end{gathered}$ | $\begin{gathered} 41.5 \\ (39.9-43.0) \end{gathered}$ | $\begin{gathered} 41.8 \\ (40.3-43.3) \end{gathered}$ | $\begin{gathered} 42.3 \\ (41.0-43.6) \end{gathered}$ | $\begin{gathered} 42.2 \\ (40.6-43.8) \end{gathered}$ | $\uparrow$ |
| Repatriation health card ${ }^{(d)}$ | $\begin{gathered} 3.1 \\ (2.9-3.4) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.5) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.8) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.4) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.8-3.3) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.8-3.3) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.5-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.4-2.9) \end{gathered}$ | $\downarrow$ |
| Non-English-speaking background | $\begin{gathered} 8.0 \\ (7.2-8.7) \end{gathered}$ | $\begin{gathered} 9.3 \\ (7.6-11.0) \end{gathered}$ | $\begin{gathered} 10.6 \\ (9.0-12.2) \end{gathered}$ | $\begin{gathered} 9.7 \\ (7.8-11.6) \end{gathered}$ | $\begin{gathered} 10.8 \\ (9.0-12.6) \end{gathered}$ | $\begin{gathered} 9.8 \\ (8.2-11.4) \end{gathered}$ | $\begin{gathered} 7.1 \\ (5.8-8.5) \end{gathered}$ | $\begin{gathered} 9.9 \\ (8.2-11.5) \end{gathered}$ | $\begin{gathered} 9.4 \\ (7.9-10.9) \end{gathered}$ | $\begin{gathered} 8.1 \\ (6.6-9.6) \end{gathered}$ | - |
| Aboriginal person and/or Torres Strait Islander | $\begin{gathered} 0.8 \\ (0.5-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.3) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.2-2.0) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.0-1.7) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.2) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.5-1.0) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.4) \end{gathered}$ | - |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, § indicates a non-linear significant or marginal change, and - indicates there was no change. Missing data removed.
© Missing data for each of the listed 'other' patient characteristics were counted as a response of 'no'. These data were reported for comparison with those published in previous reports. Note: CI-confidence interval; Nav-Not available.
Table 6.2: Number of patient reasons for encounter, 2000-01 to 2009-10

| Number of reasons for encounter | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  | $\stackrel{\boldsymbol{T}^{(a)}}{\downarrow}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| One RFE | $\begin{gathered} 60.4 \\ (59.2-61.6) \end{gathered}$ | $\begin{gathered} 61.8 \\ (60.6-63.0) \end{gathered}$ | $\begin{gathered} 60.7 \\ (59.5-61.9) \end{gathered}$ | $\begin{gathered} 61.0 \\ (59.9-62.2) \end{gathered}$ | $\begin{gathered} 61.4 \\ (60.2-62.6) \end{gathered}$ | $\begin{gathered} 60.9 \\ (59.7-62.2) \end{gathered}$ | $\begin{gathered} 60.6 \\ (59.4-61.9) \end{gathered}$ | $\begin{gathered} 58.9 \\ (57.7-60.2) \end{gathered}$ | $\begin{gathered} 56.6 \\ (55.5-57.8) \end{gathered}$ | $\begin{gathered} 57.7 \\ (56.5-58.9) \end{gathered}$ | $\downarrow$ |
| Two RFEs | $\begin{gathered} 28.2 \\ (27.6-28.9) \end{gathered}$ | $\begin{gathered} 27.2 \\ (26.5-28.0) \end{gathered}$ | $\begin{gathered} 27.8 \\ (27.1-28.4) \end{gathered}$ | $\begin{gathered} 27.7 \\ (27.0-28.4) \end{gathered}$ | $\begin{gathered} 27.6 \\ (26.9-28.3) \end{gathered}$ | $\begin{gathered} 27.8 \\ (27.1-28.5) \end{gathered}$ | $\begin{gathered} 27.9 \\ (27.2-28.7) \end{gathered}$ | $\begin{gathered} 29.1 \\ (28.5-29.8) \end{gathered}$ | $\begin{gathered} 30.3 \\ (29.6-30.9) \end{gathered}$ | $\begin{gathered} 29.7 \\ (29.0-30.4) \end{gathered}$ | $\uparrow$ |
| Three RFEs | $\begin{gathered} 11.4 \\ (10.7-12.1) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.3-11.6) \end{gathered}$ | $\begin{gathered} 11.6 \\ (10.8-12.3) \end{gathered}$ | $\begin{gathered} 11.3 \\ (10.5-12.0) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.3-11.7) \end{gathered}$ | $\begin{gathered} 11.2 \\ (10.5-11.9) \end{gathered}$ | $\begin{gathered} 11.4 \\ (10.7-12.2) \end{gathered}$ | $\begin{gathered} 11.9 \\ (11.2-12.6) \end{gathered}$ | $\begin{gathered} 13.1 \\ (12.4-13.8) \end{gathered}$ | $\begin{gathered} 12.6 \\ (11.9-13.4) \end{gathered}$ | - |

Note: C1-confidence interval; RFE—reason for encounter.
Table 6.3: Rate of patient reasons for encounter by ICPC-2 chapter, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ICPC-2 Chapter | $2000-01$ $(n=99,307)$ | $\begin{gathered} 2001-02 \\ (n=96,973) \end{gathered}$ | $\frac{2002-03}{(n=100,987)}$ | $\begin{gathered} 2003-04 \\ \hline(n=98,877) \end{gathered}$ | $\begin{gathered} 2004-05 \\ \hline(n=94,386) \end{gathered}$ | $\frac{2005-06}{(n=101,993)}$ | $\begin{gathered} 2006-07 \\ \hline(n=91,805) \end{gathered}$ | $\frac{2007-08}{(n=95,898)}$ | $\begin{gathered} 2008-09 \\ \hline(n=96,688) \end{gathered}$ | $\begin{gathered} 2009-10 \\ \hline(n=101,349) \end{gathered}$ | $\stackrel{\boldsymbol{N}^{(a)}}{\downarrow}$ |
| General and unspecified | $\begin{gathered} 28.3 \\ (27.5-29.1) \end{gathered}$ | $\begin{gathered} 30.9 \\ (29.9-31.8) \end{gathered}$ | $\begin{gathered} 34.6 \\ (33.6-35.6) \end{gathered}$ | $\begin{gathered} 36.2 \\ (35.2-37.2) \end{gathered}$ | $\begin{gathered} 36.5 \\ (35.5-37.6) \end{gathered}$ | $\begin{gathered} 36.3 \\ (35.2-37.4) \end{gathered}$ | $\begin{gathered} 37.7 \\ (36.7-38.8) \end{gathered}$ | $\begin{gathered} 40.1 \\ (39.0-41.2) \end{gathered}$ | $\begin{gathered} 40.6 \\ (39.6-41.7) \end{gathered}$ | $\begin{gathered} 42.7 \\ (41.5-43.9) \end{gathered}$ | $\uparrow$ |
| Respiratory | $\begin{gathered} 24.6 \\ (23.7-25.4) \end{gathered}$ | $\begin{gathered} 23.4 \\ (22.6-24.2) \end{gathered}$ | $\begin{gathered} 23.0 \\ (22.0-24.0) \end{gathered}$ | $\begin{gathered} 21.4 \\ (20.6-22.2) \end{gathered}$ | $\begin{gathered} 20.6 \\ (19.8-21.4) \end{gathered}$ | $\begin{gathered} 21.9 \\ (21.1-22.7) \end{gathered}$ | $\begin{gathered} 20.7 \\ (19.9-21.6) \end{gathered}$ | $\begin{gathered} 20.6 \\ (19.7-21.5) \end{gathered}$ | $\begin{gathered} 22.0 \\ (21.2-22.9) \end{gathered}$ | $\begin{gathered} 22.8 \\ (21.9-23.8) \end{gathered}$ | - |
| Musculoskeletal | $\begin{gathered} 17.7 \\ (17.1-18.2) \end{gathered}$ | $\begin{gathered} 16.7 \\ (16.1-17.3) \end{gathered}$ | $\begin{gathered} 17.7 \\ (17.2-18.3) \end{gathered}$ | $\begin{gathered} 16.3 \\ (15.7-16.9) \end{gathered}$ | $\begin{gathered} 16.7 \\ (16.0-17.3) \end{gathered}$ | $\begin{gathered} 16.4 \\ (15.8-16.9) \end{gathered}$ | $\begin{gathered} 16.1 \\ (15.6-16.6) \end{gathered}$ | $\begin{gathered} 15.4 \\ (14.9-15.9) \end{gathered}$ | $\begin{gathered} 16.1 \\ (15.5-16.6) \end{gathered}$ | $\begin{gathered} 15.4 \\ (14.7-16.2) \end{gathered}$ | $\downarrow$ |
| Skin | $\begin{gathered} 15.5 \\ (15.0-16.0) \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.9-14.9) \end{gathered}$ | $\begin{gathered} 14.7 \\ (14.3-15.2) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.5-15.7) \end{gathered}$ | $\begin{gathered} 15.6 \\ (15.0-16.2) \end{gathered}$ | $\begin{gathered} 15.0 \\ (14.5-15.6) \end{gathered}$ | $\begin{gathered} 15.7 \\ (15.1-16.3) \end{gathered}$ | $\begin{gathered} 15.4 \\ (14.8-16.1) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.6-15.6) \end{gathered}$ | $\begin{gathered} 14.8 \\ (14.3-15.3) \end{gathered}$ | - |
| Cardiovascular | $\begin{gathered} 11.7 \\ (11.1-12.2) \end{gathered}$ | $\begin{gathered} 11.4 \\ (10.8-11.9) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.0-11.1) \end{gathered}$ | $\begin{gathered} 10.7 \\ (10.1-11.2) \end{gathered}$ | $\begin{gathered} 10.5 \\ (10.0-11.0) \end{gathered}$ | $\begin{gathered} 10.8 \\ (10.2-11.3) \end{gathered}$ | $\begin{gathered} 11.2 \\ (10.7-11.8) \end{gathered}$ | $\begin{gathered} 11.2 \\ (10.6-11.8) \end{gathered}$ | $\begin{gathered} 11.5 \\ (10.9-12.0) \end{gathered}$ | $\begin{gathered} 10.0 \\ (9.5-10.5) \end{gathered}$ | $\downarrow$ |
| Digestive | $\begin{gathered} 11.1 \\ (10.7-11.5) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.2-11.0) \end{gathered}$ | $\begin{gathered} 10.4 \\ (10.0-10.8) \end{gathered}$ | $\begin{gathered} 10.7 \\ (10.3-11.2) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.5-10.3) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.5-10.3) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.7-10.5) \end{gathered}$ | $\begin{gathered} 10.3 \\ (10.0-10.7) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.4-10.1) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.5-10.1) \end{gathered}$ | $\downarrow$ |

Table 6.3 (continued): Rate of patient reasons for encounter by ICPC-2 chapter, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| ICPC-2 Chapter | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Psychological | $\begin{gathered} 8.1 \\ (7.7-8.6) \end{gathered}$ | $\begin{gathered} 7.8 \\ (7.3-8.3) \end{gathered}$ | $\begin{gathered} 7.3 \\ (6.9-7.8) \end{gathered}$ | $\begin{gathered} 7.3 \\ (6.9-7.7) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.2-8.0) \end{gathered}$ | $\begin{gathered} 7.8 \\ (7.3-8.3) \end{gathered}$ | $\begin{gathered} 7.5 \\ (7.1-7.8) \end{gathered}$ | $\begin{gathered} 7.8 \\ (7.5-8.2) \end{gathered}$ | $\begin{gathered} 8.7 \\ (8.2-9.1) \end{gathered}$ | $\begin{gathered} 8.5 \\ (8.0-8.9) \end{gathered}$ | - |
| Endocrine and metabolic | $\begin{gathered} 6.2 \\ (5.9-6.5) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.1-6.7) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.7-6.3) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.8-6.5) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.8-6.5) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.8-6.5) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.1-6.8) \end{gathered}$ | $\begin{gathered} 6.5 \\ (6.1-6.8) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.5-7.3) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.8-6.4) \end{gathered}$ | - |
| Female genital system | $\begin{gathered} 5.5 \\ (5.1-5.9) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.1-5.9) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.7-6.6) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.8-5.5) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.6-5.4) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.8-5.5) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.7-5.4) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.8-5.6) \end{gathered}$ | $\begin{gathered} 5.3 \\ (4.9-5.6) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.4-5.1) \end{gathered}$ | $\downarrow$ |
| Neurological | $\begin{gathered} 5.8 \\ (5.5-6.0) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.2-5.6) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.5-6.0) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.9-5.4) \end{gathered}$ | $\begin{gathered} 4.9 \\ (4.7-5.2) \end{gathered}$ | $\begin{gathered} 4.9 \\ (4.7-5.2) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.6-5.0) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.6-5.0) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.1-4.6) \end{gathered}$ | $\downarrow$ |
| Ear | $\begin{gathered} 4.2 \\ (4.0-4.3) \end{gathered}$ | $\begin{gathered} 4.2 \\ (4.0-4.4) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.8-4.1) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.6-3.9) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.1) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.7) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\downarrow$ |
| Pregnancy and family planning | $\begin{gathered} 3.5 \\ (3.2-3.8) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.8) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-3.9) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-4.0) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.7) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.6) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.5) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.8-3.3) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | - |
| Urology | $\begin{gathered} 2.4 \\ (2.3-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | - |
| Eye | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.6) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\downarrow$ |
| Blood | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\downarrow$ |
| Male genital system | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | - |
| Social problems | $\begin{gathered} 0.9 \\ (0.7-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\uparrow$ |
| Total RFEs | $\begin{gathered} 151.0 \\ (149.2-152.8) \end{gathered}$ | $\begin{gathered} 149.2 \\ (147.4-150.9) \end{gathered}$ | $\begin{gathered} 150.9 \\ (149.0-152.7) \end{gathered}$ | $\begin{gathered} 150.2 \\ (148.4-152.0) \end{gathered}$ | $\begin{gathered} 149.6 \\ (147.8-151.5) \end{gathered}$ | $\begin{gathered} 150.3 \\ (148.4-152.2) \end{gathered}$ | $\begin{gathered} 150.8 \\ (148.9-152.7) \end{gathered}$ | $\begin{gathered} 153.0 \\ (151.1-154.8) \end{gathered}$ | $\begin{gathered} 156.5 \\ (154.7-158.2) \end{gathered}$ | $\begin{gathered} 155.0 \\ (153.1-156.8) \end{gathered}$ | $\uparrow$ |

[^4] Note: Cl —confidence interval; RFE—reason for encounter.
Table 6.4: Rate of patient reasons for encounter by ICPC-2 component, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| ICPC component | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Symptoms and complaints | $\begin{gathered} \hline 73.8 \\ (71.9-75.8) \end{gathered}$ | $\begin{gathered} 71.5 \\ (69.7-73.4) \end{gathered}$ | $\begin{gathered} 71.5 \\ (69.5-73.6) \end{gathered}$ | $\begin{gathered} 69.1 \\ (67.3-71.0) \end{gathered}$ | $\begin{gathered} \hline 68.7 \\ (66.8-70.6) \end{gathered}$ | $\begin{gathered} \hline 67.0 \\ (65.2-68.8) \end{gathered}$ | $\begin{gathered} 65.2 \\ (63.4-67.0) \end{gathered}$ | $\begin{gathered} \hline 65.1 \\ (63.2-67.0) \end{gathered}$ | $\begin{gathered} \hline 66.3 \\ (64.6-68.0) \end{gathered}$ | $\begin{gathered} \hline 65.0 \\ (63.1-67.0) \end{gathered}$ | $\downarrow$ |
| Diagnosis, diseases | $\begin{gathered} 31.8 \\ (30.4-33.3) \end{gathered}$ | $\begin{gathered} 29.9 \\ (28.5-31.3) \end{gathered}$ | $\begin{gathered} 28.6 \\ (27.1-30.0) \end{gathered}$ | $\begin{gathered} 27.7 \\ (26.4-28.9) \end{gathered}$ | $\begin{gathered} 27.2 \\ (26.0-28.4) \end{gathered}$ | $\begin{gathered} 29.5 \\ (28.1-30.9) \end{gathered}$ | $\begin{gathered} 30.6 \\ (28.9-32.2) \end{gathered}$ | $\begin{gathered} 30.4 \\ (28.9-32.0) \end{gathered}$ | $\begin{gathered} 30.3 \\ (28.8-31.8) \end{gathered}$ | $\begin{gathered} 30.7 \\ (29.1-32.4) \end{gathered}$ | - |
| Infections | $\begin{gathered} 8.7 \\ (8.2-9.2) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.5-8.5) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.1-8.1) \end{gathered}$ | $\begin{gathered} 7.5 \\ (7.0-8.0) \end{gathered}$ | $\begin{gathered} 7.1 \\ (6.6-7.5) \end{gathered}$ | $\begin{gathered} 8.4 \\ (7.7-9.0) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.6-8.7) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.5-8.5) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.5-8.5) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.5-8.6) \end{gathered}$ | - |
| Injuries | $\begin{gathered} 4.5 \\ (4.2-4.7) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.8-4.2) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.2-4.6) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.1-4.6) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.2-4.6) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.2-4.7) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.1-4.5) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.3-4.7) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.1-4.5) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.4-4.9) \end{gathered}$ | - |
| Neoplasms | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | - |
| Congenital anomalies | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | - |
| Other diagnoses | $\begin{gathered} 17.4 \\ (16.4-18.5) \end{gathered}$ | $\begin{gathered} 16.6 \\ (15.7-17.6) \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.2-16.3) \end{gathered}$ | $\begin{gathered} 14.6 \\ (13.7-15.5) \end{gathered}$ | $\begin{gathered} 14.5 \\ (13.6-15.4) \end{gathered}$ | $\begin{gathered} 15.4 \\ (14.4-16.4) \end{gathered}$ | $\begin{gathered} 16.7 \\ (15.5-17.9) \end{gathered}$ | $\begin{gathered} 16.5 \\ (15.3-17.6) \end{gathered}$ | $\begin{gathered} 16.7 \\ (15.6-17.8) \end{gathered}$ | $\begin{gathered} 16.7 \\ (15.6-17.9) \end{gathered}$ | - |
| Diagnostic and preventive procedures | $\begin{gathered} 22.3 \\ (21.4-23.2) \end{gathered}$ | $\begin{gathered} 22.7 \\ (21.7-23.6) \end{gathered}$ | $\begin{gathered} 23.7 \\ (22.8-24.7) \end{gathered}$ | $\begin{gathered} 24.0 \\ (23.1-25.0) \end{gathered}$ | $\begin{gathered} 23.4 \\ (22.6-24.3) \end{gathered}$ | $\begin{gathered} 24.4 \\ (23.4-25.3) \end{gathered}$ | $\begin{gathered} 24.8 \\ (23.9-25.7) \end{gathered}$ | $\begin{gathered} 25.6 \\ (24.7-26.5) \end{gathered}$ | $\begin{gathered} 26.9 \\ (26.0-27.8) \end{gathered}$ | $\begin{gathered} 27.0 \\ (26.0-27.9) \end{gathered}$ | $\uparrow$ |
| Medications, treatments and therapeutics | $\begin{gathered} 11.2 \\ (10.6-11.8) \end{gathered}$ | $\begin{gathered} 11.9 \\ (11.3-12.4) \end{gathered}$ | $\begin{gathered} 13.0 \\ (12.4-13.6) \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.7-15.1) \end{gathered}$ | $\begin{gathered} 14.5 \\ (13.8-15.3) \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.7-15.1) \end{gathered}$ | $\begin{gathered} 14.2 \\ (13.5-14.8) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.3-15.8) \end{gathered}$ | $\begin{gathered} 15.3 \\ (14.6-15.9) \end{gathered}$ | $\begin{gathered} 14.1 \\ (13.4-14.8) \end{gathered}$ | $\uparrow$ |
| Results | $\begin{gathered} 4.3 \\ (3.9-4.6) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.4-5.0) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.0-5.7) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.7-6.4) \end{gathered}$ | $\begin{gathered} 6.8 \\ (6.4-7.2) \end{gathered}$ | $\begin{gathered} 6.5 \\ (6.1-6.9) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.5-7.3) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.2-8.1) \end{gathered}$ | $\begin{gathered} 7.8 \\ (7.4-8.2) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.7-8.6) \end{gathered}$ | $\uparrow$ |
| Referrals and other RFEs | $\begin{gathered} 6.5 \\ (6.0-7.0) \end{gathered}$ | $\begin{gathered} 7.2 \\ (6.7-7.7) \end{gathered}$ | $\begin{gathered} 7.0 \\ (6.6-7.5) \end{gathered}$ | $\begin{gathered} 7.2 \\ (6.8-7.6) \end{gathered}$ | $\begin{gathered} 7.4 \\ (6.9-7.9) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.5-7.4) \end{gathered}$ | $\begin{gathered} 7.3 \\ (6.9-7.8) \end{gathered}$ | $\begin{gathered} 6.8 \\ (6.4-7.2) \end{gathered}$ | $\begin{gathered} 7.5 \\ (7.0-7.9) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.2-8.1) \end{gathered}$ | $\uparrow$ |
| Administrative | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\uparrow$ |
| Total RFEs | $\begin{gathered} 151.0 \\ (149.2-152.8) \\ \hline \end{gathered}$ | $\begin{gathered} 149.2 \\ (147.4-150.9) \\ \hline \end{gathered}$ | $\begin{gathered} 150.9 \\ (149.0-152.7) \\ \hline \end{gathered}$ | $\begin{gathered} 150.2 \\ (148.4-152.0) \\ \hline \end{gathered}$ | $\begin{gathered} 149.6 \\ (147.8-151.5) \\ \hline \end{gathered}$ | $\begin{gathered} 150.3 \\ (148.4-152.2) \\ \hline \end{gathered}$ | $\begin{gathered} 150.8 \\ (148.9-152.7) \\ \hline \end{gathered}$ | $\begin{gathered} 153.0 \\ (151.1-154.8) \\ \hline \end{gathered}$ | $\begin{gathered} 156.5 \\ (154.7-158.2) \\ \hline \end{gathered}$ | $\begin{gathered} 155.0 \\ (153.1-156.8) \\ \hline \end{gathered}$ | $\uparrow$ |

[^5] there was no change.
Note: CI-confidence interval; RFE—reason for encounter.
Table 6.5: Most frequent patient reasons for encounter, 2000-01 to 2009-10

| Patient reason for encounter | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | $(n=96,688)$ | ( $n=101,349$ ) |  |
| Check-up-all* | $\begin{gathered} 13.2 \\ (12.5-13.9) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.7-14.0) \end{gathered}$ | $\begin{gathered} 13.6 \\ (12.9-14.2) \end{gathered}$ | $\begin{gathered} 14.1 \\ (13.4-14.8) \end{gathered}$ | $\begin{gathered} 13.4 \\ (12.8-14.0) \end{gathered}$ | $\begin{gathered} 14.1 \\ (13.4-14.8) \end{gathered}$ | $\begin{gathered} 14.6 \\ (13.9-15.2) \end{gathered}$ | $\begin{gathered} 14.5 \\ (13.8-15.1) \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.5-15.8) \end{gathered}$ | $\begin{gathered} 13.9 \\ (13.3-14.5) \end{gathered}$ | - |
| Prescription-all* | $\begin{gathered} 9.2 \\ (8.7-9.8) \end{gathered}$ | $\begin{gathered} 9.7 \\ (9.2-10.3) \end{gathered}$ | $\begin{gathered} 10.7 \\ (10.2-11.3) \end{gathered}$ | $\begin{gathered} 12.1 \\ (11.5-12.7) \end{gathered}$ | $\begin{gathered} 12.2 \\ (11.5-12.8) \end{gathered}$ | $\begin{gathered} 12.0 \\ (11.3-12.7) \end{gathered}$ | $\begin{gathered} 11.8 \\ (11.2-12.4) \end{gathered}$ | $\begin{gathered} 12.5 \\ (11.9-13.2) \end{gathered}$ | $\begin{gathered} 12.6 \\ (12.0-13.2) \end{gathered}$ | $\begin{gathered} 11.6 \\ (11.0-12.2) \end{gathered}$ | $\uparrow$ |
| Test results* | $\begin{gathered} 4.2 \\ (3.9-4.6) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.4-5.0) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.0-5.7) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.7-6.4) \end{gathered}$ | $\begin{gathered} 6.8 \\ (6.4-7.2) \end{gathered}$ | $\begin{gathered} 6.5 \\ (6.1-6.9) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.5-7.3) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.2-8.1) \end{gathered}$ | $\begin{gathered} 7.8 \\ (7.4-8.2) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.7-8.6) \end{gathered}$ | $\uparrow$ |
| Cough | $\begin{gathered} 6.9 \\ (6.5-7.4) \end{gathered}$ | $\begin{gathered} 6.5 \\ (6.1-6.9) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.3-7.2) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.8-6.6) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.5-6.2) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.0-6.8) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.4-6.2) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.8-6.7) \end{gathered}$ | $\begin{gathered} 6.8 \\ (6.3-7.2) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.4-7.3) \end{gathered}$ | - |
| Immunisation/vaccination-all** | $\begin{gathered} 4.4 \\ (4.0-4.8) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.2-5.0) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.3-5.1) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.0-4.9) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.9-4.8) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.4-5.2) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.9-4.7) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.4-5.1) \end{gathered}$ | $\begin{gathered} 5.3 \\ (4.8-5.7) \end{gathered}$ | $\begin{gathered} 6.5 \\ (5.9-7.0) \end{gathered}$ | $\uparrow$ |
| Back complaint* | $\begin{gathered} 3.8 \\ (3.5-4.0) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.4) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.4) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\downarrow$ |
| Throat complaint | $\begin{gathered} 4.0 \\ (3.7-4.3) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.0) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.1) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.6) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.5) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.6) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.5) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.2) \end{gathered}$ | $\downarrow$ |
| Rash* | $\begin{gathered} 2.9 \\ (2.8-3.1) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.6) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\downarrow$ |
| Fever | $\begin{gathered} 2.3 \\ (2.0-2.5) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.5) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.5) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.5) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.5) \end{gathered}$ | - |
| Upper respiratory tract infection | $\begin{gathered} 2.6 \\ (2.3-2.9) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.6) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-2.0) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.0-2.7) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.1-2.7) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.6) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.5) \end{gathered}$ | - |
| Depression* | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.3) \end{gathered}$ | - |
| Administrative procedure NOS | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\uparrow$ |
| Hypertension* | $\begin{gathered} 2.2 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.3) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.6-2.1) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.6-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.5) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.3) \end{gathered}$ | - |

Table 6.5 (continued): Most frequent patient reasons for encounter, 2000-01 to 2009-10

| Patient reason for encounter | Rate per 100 encounters' $(95 \% \mathrm{Cl})$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | $(n=99,307)$ | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Skin complaint | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | - |
| Abdominal pain* | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\downarrow$ |
| Nasal congestion/sneezing | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.4-2.0) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.3-1.8) \end{gathered}$ | - |
| Headache | $\begin{gathered} 2.2 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\downarrow$ |
| Weakness/tiredness | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\downarrow$ |
| Knee complaint | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | - |
| Ear pain | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\downarrow$ |
| Diarrhoea | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\downarrow$ |
| Observation/health education/ advice/diet NOS | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\uparrow$ |
| Diabetes-all* | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | - |
| Shoulder complaint | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | - |
| Anxiety* | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | - |
| Sleep disturbance | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\downarrow$ |

Table 6.5 (continued): Most frequent patient reasons for encounter, 2000-01 to 2009-10

| Patient reason for encounter | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  | $\stackrel{\boldsymbol{N}^{(a)}}{\downarrow}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Foot/toe complaint | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.1) \end{gathered}$ | $\downarrow$ |
| Chest pain NOS | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\downarrow$ |
| Blood test NOS | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | - |
| Referrals NOS | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\uparrow$ |
| Swelling* | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | - |
| Vertigo/dizziness | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.1-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\downarrow$ |
| Leg/thigh complaint | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\downarrow$ |
| Other reason for encounter NEC | $\begin{gathered} 0.6 \\ (0.4-0.8) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\uparrow$ |
| Vomiting | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\downarrow$ |
| Neck complaint | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\downarrow$ |
| Asthma | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\downarrow$ |
| Oral contraception* | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\downarrow$ |
| Total RFEs | $\begin{gathered} 151.0 \\ (149.2-152.8) \end{gathered}$ | $\begin{gathered} 149.2 \\ (147.4-150.9) \end{gathered}$ | $\begin{gathered} 150.9 \\ \text { (149.0-152.7) } \end{gathered}$ | $\begin{gathered} 150.2 \\ (148.4-152.0) \end{gathered}$ | $\begin{gathered} 149.6 \\ (147.8-151.5) \end{gathered}$ | $\begin{gathered} 150.3 \\ (148.4-152.2) \end{gathered}$ | $\begin{gathered} 150.8 \\ (148.9-152.7) \end{gathered}$ | $\begin{gathered} 153.0 \\ (151.1-154.8) \end{gathered}$ | $\begin{gathered} 156.5 \\ (154.7-158.2) \end{gathered}$ | $\begin{gathered} 155.0 \\ \text { (153.1-156.8) } \end{gathered}$ | $\uparrow$ |

[^6]Note: CI-confidence interval; NOS—not otherwise specified; RFE—reason for encounter; NEC—not elsewhere classified. Includes only RFEs recorded in at least one year at a rate $>=1.0$ per 100 encounters.

## 7 Problems managed

A 'problem managed' is a formal statement of the provider's understanding of a health problem presented by the patient, family or community, and can be described in terms of a disease, symptom or complaint, social problem, or ill-defined condition managed at the encounter. As GPs were instructed to record each problem at the most specific level possible from the information available, the problem managed may at times be limited to the level of a presenting symptom.
At each patient encounter, up to four problems could be recorded by the GP. A minimum of one problem was compulsory. The status of each problem to the patient - new (first presentation to a medical practitioner) or old (follow-up of previously managed problem) was also indicated. The concept of a principal diagnosis, which is often used in hospital statistics, is not adopted in studies of general practice where multiple problem management is the norm rather than the exception. Further, the range of problems managed at the encounter often crosses multiple body systems and may include undiagnosed symptoms, psychosocial problems or chronic disease, which makes the designation of a principal diagnosis difficult. Thus the order in which the problems were recorded by the GP is not significant.
This chapter includes data about the problems managed in general practice from each of the 10 years of the BEACH study from 2000-01 to 2009-10. The direction and type of change from 2000-01 to 2009-10 is indicated for each result in the far right column of the tables: $\uparrow / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal change, and - indicates there was no change.
Significant linear changes can be extrapolated to estimate the national increase or decrease in the management rate of a problem between 2000-01 and 2009-10. An example of an extrapolated change is given for each table. The method used to extrapolate to national change estimates is described in Section 2.8.
There are two ways to describe the relative frequency of problems managed: as a percentage of all problems managed in the study, or as a rate of problems managed per 100 encounters. Where groups of problems are reported (for example, cardiovascular problems), it must be remembered that more than one of that type of problem (such as hypertension and heart failure) may have been managed at a single encounter. In considering these results, the reader must be mindful that although a rate per 100 encounters for a single ungrouped problem (for example, asthma, 2.4 per 100 encounters) can be regarded as equivalent to 'asthma is managed at $2.4 \%$ of encounters'. These data can be extrapolated (with the methods described in Section 2.8) to accurately estimate the number of national encounters involving management of the selected problem. This is not the case for grouped concepts (ICPC-2 chapters and those marked with asterisks in the tables) for which extrapolations will result in an overestimate of the true number of encounters nationally. The degree of overestimation is related to the number of multiple problems (within the selected group) recorded within a single encounter.

### 7.1 Number of problems managed

GPs are asked to record information about the management of up to four problems at each encounter. Table 7.1 shows the number of problems managed at each encounter over time. There were increases in the proportion of encounters at which three and four problems were managed, and a decrease in encounters where only one problem was managed. When extrapolated to all GP encounters in Australia, this indicates there were 3.4 million more occasions where three problems were managed, and 1.8 million more occasions where four problems were managed by GPs in Australia in 2009-10 than in 2000-01.
There was a significant increase in the average number of problems managed at encounter, from 144.5 per 100 encounters in 2000-01 to 153.3 in 2009-10 (Table 7.2). This suggests there were an additional 33.7 million problems managed at GP encounters in Australia in 2009-10 than in 2000-01. This was reflected in significant increases in the management rate of new problems (Table 7.5), and the management rate of chronic conditions (Table 7.6).

### 7.2 Distribution of problems managed by ICPC-2 component

This report uses the updated component groupings of ICPC-2 codes, released by the Wonca International Classification Committee in 2004. ${ }^{27}$ In addition, the 'diagnosis, disease' group has been expanded. Readers should note that data in previous reports are not comparable with the results reported here.
There were significant increases in the management rate of problems described and classified as 'diagnostic and preventive procedures', 'results' and 'administrative procedures' between 2000-01 and 2009-10 (Table 7.2). The increase in the management of diagnostic and preventive procedures represents an extrapolated national increase of 7.1 million encounters for this type of problem, and the increase in the management of test results represents an extrapolated increase of 1.3 million contacts in Australia in 2009-10 compared with 2000-01.
There were no changes in the management of problems described and classified as 'symptoms and complaints' or as 'diagnoses and diseases'. However, there were significant changes in the types of diagnoses and diseases managed; the management of problems classified as neoplasms and 'other' diagnoses increased, and problems classified as infections and injuries decreased from 2000-01 to 2009-10 (Table 7.2).

### 7.3 Problems managed by ICPC-2 chapter and individual problems managed

Problems managed at general practice encounters by ICPC chapter are described in Table 7.3 for all years from 2000-01 to 2009-10. Problems related to the respiratory system have remained the most common type of problem managed since 2000-01, but their management rate decreased significantly from 22.5 per 100 encounters in 2000-01 to 19.5in 2007-08, and then increased to 22.2 in 2009-10. The recent increase in the management rate might be related to the concern regarding H1N1 influenza, and be reflected in the increasing management of immunisation/vaccination problems described in Table 7.4-in particular, respiratory vaccinations increased from 1.9 per 100 encounters in $2000-01^{54}$ to 6.0 per 100 in 2009-10. ${ }^{1}$

There were significant increases in the management rate of problems classified as 'general and unspecified', 'psychological', and those related to the endocrine and metabolic, digestive, urological and male genital systems. There were decreases in the management of ear problems, and a marginal decrease in neurological problems. The significant increase in endocrine and metabolic problems from 9.8 to 12.7 per 100 encounters (Table 7.3) represents an extrapolated increase of 5.0 million contacts in Australia in 2009-10 when compared with 2000-01; half of this increase is due to increased management rates of diabetes and lipid disorders (Table 7.4).
The most common individual problems managed are described in Table 7.4 for all years from 2000-01 to 2009-10. The most common problems managed in general practice over the decade were hypertension, immunisation/vaccination, check-up, and upper respiratory tract infection. The management rate of general check-up almost doubled, increasing from 1.6 per 100 encounters in 2000-01 to 3.0 in 2009-10. This represents an estimated national increase of 1.9 million occasions where a general check-up was managed in 2009-10 compared with 2000-01. This increase possibly reflects the many new MBS item numbers for health checks and assessments introduced since 2000-01.

### 7.4 Most common new problems

Table 7.5 shows the most frequently managed new problems between 2000-01 and 2009-10. There was a significant increase in the management rate of new problems over the 10 years of the study, from 47.3 per 100 encounters in 2000-01 to 59.1 in 2009-10, suggesting approximately 21.4 million more GP contacts with management of new problems in 2009-10 than in 2000-01.
The most common new problems managed in general practice over the decade were upper respiratory tract infection, immunisation/vaccination and acute bronchitis/bronchiolitis. The majority of increases in rates of new problems reflect change in management processes with significant increases in immunisations/vaccinations, general check-ups and female genital check-ups/Pap smears. The only changes in management rates of new diseases were: a significant increase in urinary tract infection, and marginal decreases in acute otitis media/myringitis and tonsillitis (Table 7.5). The management of urinary tract infection as a new problem increased significantly from 0.8 per 100 encounters in 2000-01 to 1.1 per 100 encounters in 2009-10, representing an additional 480,000 occasions where urinary tract infection was managed as a new problem in 2009-10 compared with 2000-01. This suggests an increased incidence over the study period (Table 7.5).

### 7.5 Most frequently managed chronic problems

Table 7.6 shows the most frequently managed chronic problems between 2000-01 and 2009-10. The management rate of chronic conditions significantly increased from 48.2 per 100 encounters in 2000-01 to 54.1 per 100 in 2009-10, suggesting approximately 14.7 million more GP contacts in Australia in 2009-10 with chronic problems than in 2000-01.
The most common chronic problems managed were non-gestational hypertension, depressive disorder, chronic arthritis, non-gestational diabetes and lipid disorders. Management of depressive disorders increased significantly over the decade from 3.6 to 4.2 per 100 encounters, representing an increase in management of 1.3 million depressive disorder problems from 2000-01 to 2009-10 (Table 7.6).
Table 7.1: Number of problems managed at an encounter, 2000-01 to 2009-10

| Number of problems managed at encounter | Per cent of encounters (95\% CI) |  |  |  |  |  |  |  |  |  | $\stackrel{\boldsymbol{N}^{(\mathrm{a})}}{\downarrow}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | $(n=96,688)$ | ( $n=101,349$ ) |  |
| One problem | $\begin{gathered} 66.5 \\ (65.4-67.5) \end{gathered}$ | $\begin{gathered} 67.7 \\ (66.6-68.8) \end{gathered}$ | $\begin{gathered} 66.9 \\ (65.8-68.1) \end{gathered}$ | $\begin{gathered} 66.2 \\ (65.0-67.3) \end{gathered}$ | $\begin{gathered} 66.5 \\ (65.3-67.7) \end{gathered}$ | $\begin{gathered} 66.4 \\ (65.1-67.6) \end{gathered}$ | $\begin{gathered} 65.0 \\ (63.7-66.2) \end{gathered}$ | $\begin{gathered} 63.0 \\ (61.7-64.3) \end{gathered}$ | $\begin{gathered} 60.8 \\ (59.6-61.9) \end{gathered}$ | $\begin{gathered} 62.2 \\ (60.9-63.5) \end{gathered}$ | $\downarrow$ |
| Two problems | $\begin{gathered} 24.4 \\ (23.8-25.1) \end{gathered}$ | $\begin{gathered} 23.1 \\ (22.4-23.7) \end{gathered}$ | $\begin{gathered} 23.4 \\ (22.6-24.1) \end{gathered}$ | $\begin{gathered} 23.8 \\ (23.1-24.5) \end{gathered}$ | $\begin{gathered} 23.6 \\ (22.9-24.3) \end{gathered}$ | $\begin{gathered} 23.4 \\ (22.7-24.1) \end{gathered}$ | $\begin{gathered} 24.0 \\ (23.3-24.8) \end{gathered}$ | $\begin{gathered} 25.4 \\ (24.7-26.2) \end{gathered}$ | $\begin{gathered} 26.7 \\ (26.1-27.4) \end{gathered}$ | $\begin{gathered} 25.4 \\ (24.7-26.1) \end{gathered}$ | § |
| Three problems | $\begin{gathered} 7.3 \\ (6.9-7.7) \end{gathered}$ | $\begin{gathered} 7.3 \\ (6.9-7.7) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.2-8.0) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.2-8.1) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.3-8.2) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.4-8.4) \end{gathered}$ | $\begin{gathered} 8.5 \\ (8.1-9.0) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.3-9.3) \end{gathered}$ | $\begin{gathered} 9.7 \\ (9.2-10.1) \end{gathered}$ | $\begin{gathered} 9.2 \\ (8.7-9.7) \end{gathered}$ | $\uparrow$ |
| Four problems | $\begin{gathered} 1.9 \\ (1.5-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.6-2.2) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.7-2.5) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.0-2.8) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.8-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.2-2.7) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.4-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.8-3.5) \end{gathered}$ | $\uparrow$ |

[^7]Table 7.2: Distribution of problems managed, by ICPC-2 component, 2000-01 to 2009-10

| ICPC-2 component | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 |  |  |  |  |  |
|  | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | $(n=101,993)$ | $(n=91,805)$ | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Diagnosis, diseases | $\begin{gathered} 99.8 \\ (98.3-101.4) \end{gathered}$ | $\begin{gathered} 98.2 \\ (96.7-99.8) \end{gathered}$ | $\begin{gathered} 97.9 \\ (96.2-99.5) \end{gathered}$ | $\begin{gathered} 99.2 \\ (97.5-100.9) \end{gathered}$ | $\begin{gathered} 98.9 \\ (97.1-100.7) \end{gathered}$ | $\begin{gathered} 100.2 \\ (98.4-102.1) \end{gathered}$ | $\begin{gathered} 101.3 \\ (99.6-103.0) \end{gathered}$ | $\begin{gathered} 102.6 \\ (100.7-104.4) \end{gathered}$ | $\begin{gathered} 105.3 \\ (103.6-107.1) \end{gathered}$ | $\begin{gathered} 102.2 \\ (100.3-104.1) \end{gathered}$ | - |
| Infections | $\begin{gathered} 28.5 \\ (27.7-29.3) \end{gathered}$ | $\begin{gathered} 26.5 \\ (25.8-27.3) \end{gathered}$ | $\begin{gathered} 26.5 \\ (25.7-27.2) \end{gathered}$ | $\begin{gathered} 25.5 \\ (24.7-26.3) \end{gathered}$ | $\begin{gathered} 24.6 \\ (23.8-25.3) \end{gathered}$ | $\begin{gathered} 25.9 \\ (25.2-26.7) \end{gathered}$ | $\begin{gathered} 24.7 \\ (24.0-25.4) \end{gathered}$ | $\begin{gathered} 25.1 \\ (24.3-25.8) \end{gathered}$ | $\begin{gathered} 25.1 \\ (24.4-25.8) \end{gathered}$ | $\begin{gathered} 25.0 \\ (24.2-25.7) \end{gathered}$ | $\downarrow$ |
| Injuries | $\begin{gathered} 7.6 \\ (7.3-7.9) \end{gathered}$ | $\begin{gathered} 7.2 \\ (6.9-7.5) \end{gathered}$ | $\begin{gathered} 7.5 \\ (7.2-7.8) \end{gathered}$ | $\begin{gathered} 7.2 \\ (6.9-7.5) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.4 \\ (7.0-7.7) \end{gathered}$ | $\begin{gathered} 7.5 \\ (7.2-7.7) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.7) \end{gathered}$ | $\begin{gathered} 7.2 \\ (6.9-7.4) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.6-7.2) \end{gathered}$ | $\downarrow$ |
| Neoplasms | $\begin{gathered} 3.5 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-4.0) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.9-4.7) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.9-4.7) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.8-4.3) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.2-4.9) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.1-4.9) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.4-5.0) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.3-5.0) \end{gathered}$ | $\uparrow$ |
| Congenital anomalies | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | - |
| Other diagnoses | $\begin{gathered} 59.6 \\ (58.0-61.2) \end{gathered}$ | $\begin{gathered} 60.4 \\ (58.8-62.0) \end{gathered}$ | $\begin{gathered} 59.6 \\ (57.9-61.3) \end{gathered}$ | $\begin{gathered} 61.6 \\ (59.8-63.4) \end{gathered}$ | $\begin{gathered} 61.9 \\ (60.2-63.7) \end{gathered}$ | $\begin{gathered} 62.1 \\ (60.2-64.0) \end{gathered}$ | $\begin{gathered} 63.9 \\ (62.1-65.6) \end{gathered}$ | $\begin{gathered} 64.9 \\ (63.0-66.9) \end{gathered}$ | $\begin{gathered} 67.8 \\ (66.0-69.5) \end{gathered}$ | $\begin{gathered} 64.9 \\ (63.0-66.9) \end{gathered}$ | $\uparrow$ |
| Symptoms and complaints | $\begin{gathered} 27.0 \\ (26.2-27.8) \end{gathered}$ | $\begin{gathered} 26.9 \\ (26.1-27.7) \end{gathered}$ | $\begin{gathered} 26.7 \\ (25.9-27.5) \end{gathered}$ | $\begin{gathered} 26.4 \\ (25.6-27.2) \end{gathered}$ | $\begin{gathered} 26.4 \\ (25.5-27.3) \end{gathered}$ | $\begin{gathered} 25.7 \\ (24.9-26.5) \end{gathered}$ | $\begin{gathered} 26.7 \\ (25.9-27.4) \end{gathered}$ | $\begin{gathered} 27.8 \\ (27.0-28.6) \end{gathered}$ | $\begin{gathered} 27.6 \\ (26.8-28.4) \end{gathered}$ | $\begin{gathered} 26.7 \\ (25.9-27.5) \end{gathered}$ | - |
| Diagnostic and preventive procedures | $\begin{gathered} 12.6 \\ (11.9-13.2) \end{gathered}$ | $\begin{gathered} 12.4 \\ (11.7-13.0) \end{gathered}$ | $\begin{gathered} 13.5 \\ (12.8-14.2) \end{gathered}$ | $\begin{gathered} 13.6 \\ (12.9-14.4) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.6-14.0) \end{gathered}$ | $\begin{gathered} 13.7 \\ (13.1-14.4) \end{gathered}$ | $\begin{gathered} 13.8 \\ (13.0-14.5) \end{gathered}$ | $\begin{gathered} 14.2 \\ (13.5-14.8) \end{gathered}$ | $\begin{gathered} 14.9 \\ (14.2-15.7) \end{gathered}$ | $\begin{gathered} 16.9 \\ (16.0-17.7) \end{gathered}$ | $\uparrow$ |
| Medications, treatments and therapeutics | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.6-4.3) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-3.9) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.5) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.5) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.2) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.8) \end{gathered}$ | § |
| Results | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\uparrow$ |
| Referrals and other RFEs | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | § |
| Administrative | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\uparrow$ |
| Total problems | $\begin{gathered} 144.5 \\ (142.8-146.3) \end{gathered}$ | $\begin{gathered} 143.4 \\ (141.7-145.2) \end{gathered}$ | $\begin{gathered} 144.9 \\ (143.0-146.8) \end{gathered}$ | $\begin{gathered} 146.3 \\ (144.4-148.2) \end{gathered}$ | $\begin{gathered} 145.5 \\ (143.6-147.4) \end{gathered}$ | $\begin{gathered} 146.2 \\ (144.2-148.2) \end{gathered}$ | $\begin{gathered} 148.5 \\ (146.4-150.6) \end{gathered}$ | $\begin{gathered} 151.3 \\ (149.2-153.4) \end{gathered}$ | $\begin{gathered} 154.6 \\ (152.6-156.5) \end{gathered}$ | $\begin{gathered} 153.3 \\ (151.1-155.5) \end{gathered}$ | $\uparrow$ |

[^8]Table 7.3: Distribution of problems managed, by ICPC-2 chapter, 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| ICPC-2 Chapter | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | $(n=101,993)$ | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Respiratory | $\begin{gathered} 22.5 \\ (21.9-23.2) \end{gathered}$ | $\begin{gathered} 21.4 \\ (20.7-22.0) \end{gathered}$ | $\begin{gathered} 20.6 \\ (20.0-21.3) \end{gathered}$ | $\begin{gathered} 20.1 \\ (19.5-20.7) \end{gathered}$ | $\begin{gathered} 19.2 \\ (18.6-19.9) \end{gathered}$ | $\begin{gathered} 20.6 \\ (19.9-21.3) \end{gathered}$ | $\begin{gathered} 19.6 \\ (18.9-20.3) \end{gathered}$ | $\begin{gathered} 19.5 \\ (18.8-20.1) \end{gathered}$ | $\begin{gathered} 20.8 \\ (20.2-21.5) \end{gathered}$ | $\begin{gathered} 22.2 \\ (21.4-22.9) \end{gathered}$ | § |
| General and unspecified | $\begin{gathered} 14.3 \\ (13.7-14.8) \end{gathered}$ | $\begin{gathered} 14.8 \\ (14.1-15.5) \end{gathered}$ | $\begin{gathered} 15.8 \\ (15.2-16.4) \end{gathered}$ | $\begin{gathered} 15.0 \\ (14.4-15.5) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.5-15.7) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.5-15.7) \end{gathered}$ | $\begin{gathered} 16.2 \\ (15.7-16.8) \end{gathered}$ | $\begin{gathered} 17.8 \\ (17.1-18.5) \end{gathered}$ | $\begin{gathered} 17.0 \\ (16.4-17.7) \end{gathered}$ | $\begin{gathered} 19.4 \\ (18.6-20.2) \end{gathered}$ | $\uparrow$ |
| Musculoskeletal | $\begin{gathered} 17.5 \\ (16.9-18.0) \end{gathered}$ | $\begin{gathered} 17.5 \\ (17.0-18.0) \end{gathered}$ | $\begin{gathered} 17.1 \\ (16.5-17.6) \end{gathered}$ | $\begin{gathered} 17.1 \\ (16.6-17.6) \end{gathered}$ | $\begin{gathered} 17.7 \\ (17.1-18.2) \end{gathered}$ | $\begin{gathered} 17.2 \\ (16.7-17.7) \end{gathered}$ | $\begin{gathered} 17.1 \\ (16.6-17.6) \end{gathered}$ | $\begin{gathered} 17.3 \\ (16.7-17.8) \end{gathered}$ | $\begin{gathered} 17.3 \\ (16.8-17.8) \end{gathered}$ | $\begin{gathered} 16.8 \\ (16.1-17.6) \end{gathered}$ | - |
| Cardiovascular | $\begin{gathered} 16.0 \\ (15.3-16.6) \end{gathered}$ | $\begin{gathered} 16.1 \\ (15.4-16.8) \end{gathered}$ | $\begin{gathered} 16.0 \\ (15.3-16.7) \end{gathered}$ | $\begin{gathered} 16.8 \\ (16.1-17.5) \end{gathered}$ | $\begin{gathered} 16.2 \\ \text { (15.5-16.9) } \end{gathered}$ | $\begin{gathered} 16.9 \\ (16.1-17.7) \end{gathered}$ | $\begin{gathered} 17.4 \\ (16.7-18.1) \end{gathered}$ | $\begin{gathered} 17.6 \\ (16.8-18.3) \end{gathered}$ | $\begin{gathered} 18.5 \\ (17.8-19.3) \end{gathered}$ | $\begin{gathered} 16.7 \\ (16.0-17.4) \end{gathered}$ | § |
| Skin | $\begin{gathered} 16.8 \\ (16.2-17.3) \end{gathered}$ | $\begin{gathered} 16.1 \\ (15.6-16.6) \end{gathered}$ | $\begin{gathered} 16.5 \\ (16.0-17.0) \end{gathered}$ | $\begin{gathered} 16.9 \\ (16.2-17.6) \end{gathered}$ | $\begin{gathered} 17.3 \\ (16.6-18.0) \end{gathered}$ | $\begin{gathered} 16.7 \\ (16.1-17.2) \end{gathered}$ | $\begin{gathered} 17.6 \\ (16.9-18.2) \end{gathered}$ | $\begin{gathered} 17.2 \\ (16.5-17.9) \end{gathered}$ | $\begin{gathered} 17.0 \\ (16.5-17.5) \end{gathered}$ | $\begin{gathered} 16.5 \\ (15.9-17.1) \end{gathered}$ | - |
| Endocrine and metabolic | $\begin{gathered} 9.8 \\ (9.3-10.2) \end{gathered}$ | $\begin{gathered} 10.4 \\ (10.0-10.9) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.2-11.0) \end{gathered}$ | $\begin{gathered} 11.3 \\ (10.8-11.8) \end{gathered}$ | $\begin{gathered} 11.7 \\ (11.2-12.3) \end{gathered}$ | $\begin{gathered} 11.6 \\ (11.0-12.1) \end{gathered}$ | $\begin{gathered} 12.1 \\ (11.6-12.6) \end{gathered}$ | $\begin{gathered} 12.9 \\ (12.3-13.5) \end{gathered}$ | $\begin{gathered} 13.5 \\ (12.9-14.0) \end{gathered}$ | $\begin{gathered} 12.7 \\ (12.1-13.2) \end{gathered}$ | $\uparrow$ |
| Psychological | $\begin{gathered} 10.8 \\ (10.2-11.3) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.1-11.2) \end{gathered}$ | $\begin{gathered} 10.3 \\ (9.8-10.8) \end{gathered}$ | $\begin{gathered} 10.8 \\ (10.3-11.4) \end{gathered}$ | $\begin{gathered} 11.4 \\ (10.8-12.0) \end{gathered}$ | $\begin{gathered} 11.1 \\ (10.5-11.7) \end{gathered}$ | $\begin{gathered} 10.9 \\ (10.5-11.4) \end{gathered}$ | $\begin{gathered} 11.5 \\ (10.9-12.0) \end{gathered}$ | $\begin{gathered} 12.4 \\ (11.9-12.9) \end{gathered}$ | $\begin{gathered} 12.1 \\ (11.6-12.7) \end{gathered}$ | $\uparrow$ |
| Digestive | $\begin{gathered} 9.9 \\ (9.6-10.2) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.6-10.2) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.8-10.4) \end{gathered}$ | $\begin{gathered} 10.5 \\ (10.2-10.8) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.6-10.2) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.8-10.4) \end{gathered}$ | $\begin{gathered} 10.4 \\ (10.1-10.7) \end{gathered}$ | $\begin{gathered} 10.7 \\ (10.4-11.1) \end{gathered}$ | $\begin{gathered} 10.5 \\ (10.2-10.8) \end{gathered}$ | $\begin{gathered} 10.7 \\ (10.3-11.0) \end{gathered}$ | $\uparrow$ |
| Female genital system | $\begin{gathered} 6.0 \\ (5.6-6.3) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.7-6.4) \end{gathered}$ | $\begin{gathered} 6.6 \\ (6.2-7.0) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.5-6.3) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.3-6.1) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.4-6.2) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.3-6.1) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.4-6.2) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.7-6.6) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.1-5.8) \end{gathered}$ | - |
| Pregnancy and family planning | $\begin{gathered} 3.9 \\ (3.6-4.2) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.7-4.2) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.9-4.5) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.9-4.5) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.2) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.2) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.1) \end{gathered}$ | - |
| Ear | $\begin{gathered} 4.4 \\ (4.2-4.6) \end{gathered}$ | $\begin{gathered} 4.2 \\ (4.0-4.4) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.8-4.2) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.8-4.1) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.9-4.2) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.8-4.2) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-3.9) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-3.9) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.1) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.8) \end{gathered}$ | $\downarrow$ |
| Neurological | $\begin{gathered} 3.8 \\ (3.6-3.9) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 4.2 \\ (4.0-4.4) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.8-4.1) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.5-3.8) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.6-3.9) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.7) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-3.9) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.6) \end{gathered}$ | $\downarrow$ |
| Urology | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.7-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.7-3.0) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.9-3.2) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.9-3.2) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.2) \end{gathered}$ | $\begin{gathered} 3.1 \\ (3.0-3.3) \end{gathered}$ | $\begin{gathered} 3.1 \\ (3.0-3.3) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.2-3.5) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.1-3.4) \end{gathered}$ | $\uparrow$ |

Table 7.3 (continued): Distribution of problems managed, by ICPC-2 chapter, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ICPC-2 Chapter | 2000-01 | $\frac{2001-02}{(n=96,973)}$ | $\frac{2002-03}{(n=100,987)}$ | $\begin{gathered} 2003-04 \\ \hline(n=98,877) \end{gathered}$ | $\frac{2004-05}{(n=94,386)}$ | $\frac{2005-06}{(n=101,993)}$ | $\frac{2006-07}{(n=91,805)}$ | $\frac{2007-08}{(n=95,898)}$ | $\frac{2008-09}{(n=96,688)}$ | $\frac{2009-10}{(n=101,349)}$ | $\stackrel{\boldsymbol{T}^{(a)}}{\downarrow}$ |
| Eye | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.6) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.7) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.8) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.6) \end{gathered}$ | - |
| Male genital system | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\uparrow$ |
| Blood | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | - |
| Social problems | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | - |
| Total problems | $\begin{gathered} 144.5 \\ (142.8-146.3) \end{gathered}$ | $\begin{gathered} 143.4 \\ (141.7-145.2) \end{gathered}$ | $\begin{gathered} 144.9 \\ (143.0-146.8) \end{gathered}$ | $\begin{gathered} 146.3 \\ (144.4-148.2) \end{gathered}$ | $\begin{gathered} 145.5 \\ (143.6-147.4) \end{gathered}$ | $\begin{gathered} 146.2 \\ (144.2-148.2) \end{gathered}$ | $\begin{gathered} 148.5 \\ (146.4-150.6) \end{gathered}$ | $\begin{gathered} 151.3 \\ (149.2-153.4) \end{gathered}$ | $\begin{gathered} 154.6 \\ (152.6-156.5) \end{gathered}$ | $\begin{gathered} 153.3 \\ (151.1-155.5) \end{gathered}$ | $\uparrow$ | 0 The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, $\S$ indicates a non-linear significant or marginal change, and - indicates there was no change.

Table 7.4: Most frequently managed problems, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 |  |  | 2009-10 | $\boldsymbol{\uparrow}^{(2)}$ |
| Problem managed | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Hypertension* | $\begin{gathered} 8.6 \\ (8.2-9.1) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.5-9.5) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.4-9.3) \end{gathered}$ | $\begin{gathered} 9.2 \\ (8.7-9.7) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.4-9.4) \end{gathered}$ | $\begin{gathered} 9.4 \\ (8.9-10.0) \end{gathered}$ | $\begin{gathered} 9.6 \\ (9.1-10.0) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.4-10.5) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.6-10.6) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.6-9.6) \end{gathered}$ | § |
| Immunisation/ <br> vaccination-all* | $\begin{gathered} 4.6 \\ (4.2-4.9) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.3-5.1) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.3-5.0) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.3-5.2) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.2-5.1) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.6-5.4) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.3-5.2) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.8-5.6) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.2-6.2) \end{gathered}$ | $\begin{gathered} 7.3 \\ (6.7-7.8) \end{gathered}$ | $\uparrow$ |
| Check-up-all* | $\begin{gathered} 5.9 \\ (5.5-6.2) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.4-6.1) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.0-6.8) \end{gathered}$ | $\begin{gathered} 6.4 \\ (5.9-6.9) \end{gathered}$ | $\begin{gathered} 6.3 \\ (5.9-6.7) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.0-6.8) \end{gathered}$ | $\begin{gathered} 6.6 \\ (6.2-7.0) \end{gathered}$ | $\begin{gathered} 6.3 \\ (6.0-6.7) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.3-7.1) \end{gathered}$ | $\begin{gathered} 6.6 \\ (6.3-7.0) \end{gathered}$ | $\uparrow$ |
| General check-up* | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.7-3.2) \end{gathered}$ | $\uparrow$ |
| Female genital check-up* | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.3) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | § |
| Cardiac check-up* | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\downarrow$ |
| Upper respiratory tract infection | $\begin{gathered} 6.9 \\ (6.5-7.3) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.8-6.6) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.0-6.8) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.1-5.8) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.2-5.9) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.8-6.6) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.3-6.2) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.7-6.6) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.5-6.4) \end{gathered}$ | $\downarrow$ |
| Depression* | $\begin{gathered} 3.6 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.6) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.7) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.8-4.2) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.0-4.5) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.0-4.5) \end{gathered}$ | $\uparrow$ |
| Arthritis-all** | $\begin{gathered} 3.9 \\ (3.7-4.1) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.0) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.8-4.2) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.2) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.0) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.0) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.3) \end{gathered}$ | - |
| Osteoarthritis* | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.2) \end{gathered}$ | - |
| Diabetes-all* | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.5) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.4) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.9-4.3) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\uparrow$ |
| Lipid disorders* | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.2) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.4) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.7) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-4.0) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.2) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.7) \end{gathered}$ | $\uparrow$ |
| Back complaint* | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \\ \hline \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | - |

Table 7.4 (continued): Most frequently managed problems, 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Problem managed | $(n=99,307)$ | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | $(n=91,805)$ | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Oesophageal disease | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\uparrow$ |
| Acute bronchitis/ bronchiolitis | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | - |
| Prescription-all* | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.6-2.1) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.6) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.3) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.2) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.2) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.6) \end{gathered}$ | $\uparrow$ |
| Asthma | $\begin{gathered} 2.8 \\ (2.7-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.7-3.0) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\downarrow$ |
| Anxiety* | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | - |
| Test results* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\uparrow$ |
| Urinary tract infection* | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\uparrow$ |
| Contact dermatitis | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\downarrow$ |
| Sleep disturbance | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | - |
| Sprain/strain* | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\downarrow$ |
| Pregnancy* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\uparrow$ |
| Gastroenteritis* | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | - |
| Sinusitis acute/chronic | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | - |

Table 7.4 (continued): Most frequently managed problems, 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Problem managed | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Malignant neoplasm, skin | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\uparrow$ |
| Solar keratosis/sunburn | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | - |
| Atrial fibrillation/flutter | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\uparrow$ |
| Ischaemic heart disease* | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\stackrel{1.2}{(1.1-1.3)}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | - |
| Vitamin/nutritional deficiency | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\uparrow$ |
| Bursitis/tendonitis/ synovitis NOS | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\uparrow$ |
| Viral disease, other/NOS | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\downarrow$ |
| Abnormal test results** | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\uparrow$ |
| Oral contraception* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\uparrow$ |
| Acute otitis medial myringitis | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\stackrel{1.2}{(1.1-1.3)}$ | $\stackrel{1.2}{(1.1-1.3)}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\downarrow$ |
| Tonsillitis* | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\downarrow$ |
| Osteoporosis | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\uparrow$ |
| Fracture* | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\downarrow$ |

Table 7.4 (continued): Most frequently managed problems, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 |  | 2008-09 | 2009-10 |  |
| Problem managed | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Menopausal complaint | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\downarrow$ |
| Allergic rhinitis | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\downarrow$ |
| Total problems | $\begin{gathered} 144.5 \\ (142.8-146.3) \end{gathered}$ | $\begin{gathered} 143.4 \\ (141.7-145.2) \end{gathered}$ | $\begin{gathered} 144.9 \\ (143.0-146.8) \end{gathered}$ | $\begin{gathered} 146.3 \\ (144.4-148.2) \end{gathered}$ | $\begin{gathered} 145.5 \\ (143.6-147.4) \end{gathered}$ | $\begin{gathered} 146.2 \\ (144.2-148.2) \end{gathered}$ | $\begin{gathered} 148.5 \\ (146.4-150.6) \end{gathered}$ | $\begin{gathered} 151.3 \\ (149.2-153.4) \end{gathered}$ | $\begin{gathered} 154.6 \\ (152.6-156.5) \end{gathered}$ | $\begin{gathered} 153.3 \\ (151.1-155.5) \end{gathered}$ | $\uparrow$ |
| (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates Includes multiple ICPC-2 or ICPC-2 PLUS codes (see Appendix 4). |  |  |  |  |  |  |  |  |  |  |  |
| Note: CI—confidence interval; NOS—not otherwise specified. This table includes individual problems which were managed at >=1.0 per 100 encounters in any year, and any other statistically sit interest. |  |  |  |  |  |  |  |  |  |  |  |
| Table 7.5: Most frequently managed new problems, 2000-01 to 2009-10 |  |  |  |  |  |  |  |  |  |  |  |
|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-1 |  |
| New problem managed | $(n=99,307)$ | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | $(n=94,386)$ | ( $n=101,993$ ) | ( $n=91,805$ ) | $(n=95,898)$ | $(n=96,688)$ | ( $n=101,349$ ) | $\downarrow$ |
| Upper respiratory tract infection | $\begin{gathered} 4.4 \\ (4.1-4.8) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.4-5.1) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.7-5.5) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.8-4.5) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.0-4.6) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.4-5.2) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.1-4.8) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.4-5.2) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.4-5.0) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.3-5.0) \end{gathered}$ | - |
| Immunisation/ vaccination-all* | $\begin{gathered} 1.5 \\ (1.3-1.8) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.4-3.0) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.2) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.3) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.4-3.1) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.5-3.1) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.5-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.5-3.1) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.9-4.7) \end{gathered}$ | $\uparrow$ |
| Acute bronchitis/ bronchiolitis | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | - |
| General check-up* | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\uparrow$ |
| Urinary tract infection* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\uparrow$ |

Table 7.5 (continued): Most frequently managed new problems, 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| New problem managed | ( $n=99,307$ ) | ( $n=96,973$ ) | $(n=100,987)$ | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | $(\boldsymbol{n}=91,805)$ | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Gastroenteritis* | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | - |
| Sprain/strain* | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | - |
| Viral disease, other/NOS | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.0) \end{gathered}$ | - |
| Sinusitis acute/chronic | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | - |
| Female genital check-up/ Pap smear* | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\uparrow$ |
| Dermatitis, contact/allergic | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | - |
| Acute otitis media/ myringitis | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\downarrow$ |
| Tonsillitis* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\downarrow$ |
| Total new problems | $\begin{gathered} 47.3 \\ (45.7-49.0) \end{gathered}$ | $\begin{gathered} 55.1 \\ (53.8-56.5) \end{gathered}$ | $\begin{gathered} 56.9 \\ (55.5-58.4) \end{gathered}$ | $\begin{gathered} 55.9 \\ (54.5-57.3) \end{gathered}$ | $\begin{gathered} 55.2 \\ (53.8-56.5) \end{gathered}$ | $\begin{gathered} 56.9 \\ (55.5-58.2) \end{gathered}$ | $\begin{gathered} 56.5 \\ (55.1-57.9) \end{gathered}$ | $\begin{gathered} 57.7 \\ (56.3-59.1) \end{gathered}$ | $\begin{gathered} 57.4 \\ (56.0-58.7) \end{gathered}$ | $\begin{gathered} 59.1 \\ (57.6-60.5) \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and -indicates there was no change. * Includes multiple ICPC-2 or ICPC-2 PLUS codes (see Appendix 4).
Note: Cl—confidence interval; NOS—not otherwise specified. This table includes individual new problems which were managed at >= 1.0 per 100 encounters in any year, and any other statistically significant changes of
Table 7.6: Most frequently managed chronic problems, 2000-01 to 2009-10

| Chronic problem managed | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  | $\stackrel{\uparrow}{\downarrow}{ }_{\downarrow}{ }^{b)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | $(\boldsymbol{n}=99,307)$ | $(n=96,973)$ | $(n=100,987)$ | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | $(n=95,898)$ | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Hypertension (non-gestational)** | $\begin{gathered} 8.6 \\ (8.1-9.1) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.5-9.5) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.3-9.3) \end{gathered}$ | $\begin{gathered} 9.2 \\ (8.7-9.7) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.4-9.4) \end{gathered}$ | $\begin{gathered} 9.4 \\ (8.9-10.0) \end{gathered}$ | $\begin{gathered} 9.5 \\ (9.0-10.0) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.3-10.4) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.6-10.6) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.6-9.5) \end{gathered}$ | § |
| Depressive disorder** | $\begin{gathered} 3.6 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.6) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.7) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.7-4.2) \end{gathered}$ | $\begin{gathered} 4.2 \\ (4.0-4.4) \end{gathered}$ | $\begin{gathered} 4.2 \\ (4.0-4.5) \end{gathered}$ | $\uparrow$ |
| Chronic arthritis** | $\begin{gathered} 3.9 \\ (3.7-4.1) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.0) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.8-4.2) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.1) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.0) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.0) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.3) \end{gathered}$ | - |
| Diabetes (non-gestational)** | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.5) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.4) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.7) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.8-4.3) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\uparrow$ |
| Lipid disorders** | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.2) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.4) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.7) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-4.0) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.2) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.7) \end{gathered}$ | $\uparrow$ |
| Oesophageal disease | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\uparrow$ |
| Asthma | $\begin{gathered} 2.8 \\ (2.7-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.7-3.0) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\downarrow$ |
| Malignant neoplasm of skin | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\uparrow$ |
| Atrial fibrillation/flutter | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\uparrow$ |
| Ischaemic heart disease** | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | - |
| Back syndrome with radiating pain** | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | - |
| Osteoporosis | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\uparrow$ |
| Chronic obstructive pulmonary disease | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | - |

Table 7.6 (continued): Most frequently managed chronic problems, 2000-01 to 2009-10

| Chronic problem managed | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  | $-\boldsymbol{\uparrow}^{(a)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Hypothyroidism/ myxoedema | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\uparrow$ |
| Chronic skin ulcer | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | - |
| Obesity (BMI > 30) | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | - |
| Heart failure | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\downarrow$ |
| Migraine | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\downarrow$ |
| Gout | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | - |
| Shoulder syndrome (excluding arthritis)** | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\uparrow$ |
| Dementia (including senile, Alzheimer's) | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\uparrow$ |
| Anxiety disorder** | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | - |
| Schizophrenia | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | - |
| Chronic acne** | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | - |
| Total chronic problems | $\begin{gathered} 48.2 \\ (46.6-49.8) \end{gathered}$ | $\begin{gathered} 49.3 \\ (47.7-50.9) \end{gathered}$ | $\begin{gathered} 49.1 \\ (47.4-50.8) \end{gathered}$ | $\begin{gathered} 51.9 \\ (50.1-53.6) \end{gathered}$ | $\begin{gathered} 51.8 \\ (50.1-53.5) \end{gathered}$ | $\begin{gathered} 52.2 \\ (50.3-54.0) \end{gathered}$ | $\begin{gathered} 53.4 \\ (51.7-55.1) \end{gathered}$ | $\begin{gathered} 54.0 \\ (52.1-55.9) \end{gathered}$ | $\begin{gathered} 56.9 \\ (55.1-58.6) \end{gathered}$ | $\begin{gathered} 54.1 \\ (52.2-56.1) \end{gathered}$ | $\uparrow$ |

[^9] ** Indicates that this group differs from that used for analysis in other sections of this chapter, as only chronic conditions have been included in this analysis (see Appendix 5).
Note: Cl -confidence interval; BMI—body mass index. This table includes individual chronic problems which were managed at > 0.5 per 100 encounters in any year, and any other

## 8 Overview of management

This chapter includes an overview of management in general practice from each of the 10 years of the BEACH study from 2000-01 to 2009-10. The direction and type of change from 2000-01 to 2009-10 is indicated for each result in the far right column of the tables: $\uparrow / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal change, and - indicates that there was no change.
Since 2000-01, some trends emerged in management of actions at patient encounters (Table 8.1a). Most noticeably, over these 10 years:

- the rate of all medications prescribed, GP supplied or advised for the over-the-counter purchase, significantly decreased, from 74.8 per 100 problems in 2000-01 to 69.5 per 100 problems in 2009-10
- the rate of prescribed medications significantly decreased, from 63.9 per 100 problems in 2000-01 to 54.4 per 100 problems in 2009-10
- the rate of GP-supplied medications significantly increased, from 4.8 per 100 problems in 2000-01 to 8.9 per 100 problems in 2009-10
- the rate of clinical treatments decreased significantly from 25.8 per 100 problems in 2000-01 to 22.8 per 100 in 2009-10
- there was an increase in the rate of procedural treatments undertaken in general practice, from 8.4 per 100 problems in 2000-01 to 11.4 per 100 problems in 2009-10
- the rate of referrals to other health providers significantly increased, from 7.2 to 8.7 per 100 problems between 2000-01 and 2009-10, influenced by a significant increase in referrals to allied health services (from 1.6 to 2.6 per 100 problems) and a marginal increase in referrals to specialists (from 5.1 to 5.5 per 100 problems)
- since 2000-01, the rate of pathology tests ordered significantly increased by $43 \%$, from 20.5 orders per 100 problems to 29.3 per 100 problems in 2009-10
- there was a significant increase in the rate of imaging tests orders, from 5.3 per 100 problems in 2000-01 to 6.4 per 100 in 2009-10.
Similar changes can be observed for each of these areas, in the percentage of problems for which at least one management type was provided (Table 8.2a). This reflects a change in the likelihood of each action eventuating for a problem.
- There was a significant reduction in the likelihood of patients being provided with at least one medication (from $58.7 \%$ in $2000-01$ to $54.2 \%$ in 2009-10), particularly prescribed medications, which decreased from $51.2 \%$ to $43.2 \%$ over this time. The latter reflects the reduction in the rate of prescribed medications reported above and shown in Table 8.1a.
- There was an increase in the likelihood of patients receiving at least one GP-supplied medication, from $3.8 \%$ of problems in 2000-01 to $7.2 \%$ in 2009-10.
- The likelihood of patients receiving at least one clinical treatment showed an increasing trend between 2000-01 (22.7\%) and 2004-05 (23.7\%), but then decreased significantly in 2006-07 to $18.0 \%$, and has gradually increased again to $20.6 \%$ in 2009-10
- The likelihood of patients receiving at least one procedural treatment for problems managed significantly increased from $8.0 \%$ in $2000-01$ to $10.7 \%$ in 2009-10.
- The likelihood of patients being referred for problems increased significantly (from $7.2 \%$ of problems in 2000-01 to $8.7 \%$ in 2009-10), particularly to specialists (from $5.1 \%$ in $2000-01$ to $5.6 \%$ in 2009-10), and to allied health practitioners (from $1.6 \%$ in 2000-01 to $2.6 \%$ in 2009-10). There was a marginal decrease in referrals to hospitals, from $0.4 \%$ to $0.2 \%$ over the 10 years.
- Contributing to the increase in the rates of pathology and imaging tests ordered per 100 problems (shown in Table 8.1a), there was an increase in the likelihood of the GP ordering at least one investigation for problems managed, from $14.9 \%$ in 2000-01 to $18.1 \%$ in 2009-10. In 2000-01, the likelihood of at least one pathology test being ordered was $10.6 \%$, and that of at least one imaging test being ordered was $4.8 \%$. By 2009-10 these proportions had significantly increased to $13.2 \%$ and $5.7 \%$ of problems, respectively (Table 8.2a).
Table 8.1a: Summary of management (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Management type | $\begin{gathered} 2000-01 \\ (n=143,528) \end{gathered}$ | $\begin{gathered} 2001-02 \\ (n=139,092) \end{gathered}$ | $\begin{gathered} 2002-03 \\ (n=146,336) \end{gathered}$ | $\begin{gathered} 2003-04 \\ (n=144,674) \end{gathered}$ | $\begin{gathered} 2004-05 \\ (n=137,330) \end{gathered}$ | $\begin{gathered} 2005-06 \\ (n=149,088) \end{gathered}$ | $\begin{gathered} 2006-07 \\ (n=136,333) \end{gathered}$ | $\begin{gathered} 2007-08 \\ (n=145,078) \end{gathered}$ | $\begin{gathered} 2008-09 \\ (n=149,462) \end{gathered}$ | $\begin{gathered} 2009-10 \\ (n=155,373) \end{gathered}$ | $\uparrow^{(3)}$ |
| Medications | $\begin{gathered} 74.8 \\ (73.3-76.3) \end{gathered}$ | $\begin{gathered} 72.9 \\ (71.4-74.3) \end{gathered}$ | $\begin{gathered} 71.6 \\ (70.1-73.1) \end{gathered}$ | $\begin{gathered} 71.3 \\ (70.0-72.7) \end{gathered}$ | $\begin{gathered} 69.8 \\ (68.3-71.2) \end{gathered}$ | $\begin{gathered} 71.4 \\ (69.9-72.9) \end{gathered}$ | $\begin{gathered} 68.4 \\ (67.0-69.7) \end{gathered}$ | $\begin{gathered} 67.9 \\ (66.5-69.2) \end{gathered}$ | $\begin{gathered} 68.7 \\ (67.5-70.0) \end{gathered}$ | $\begin{gathered} 69.5 \\ (67.9-71.1) \end{gathered}$ | $\downarrow$ |
| Prescribed | $\begin{gathered} 63.9 \\ (62.3-65.4) \end{gathered}$ | $\begin{gathered} 61.3 \\ (59.8-62.9) \end{gathered}$ | $\begin{gathered} 58.2 \\ (56.6-59.8) \end{gathered}$ | $\begin{gathered} 58.8 \\ (57.3-60.3) \end{gathered}$ | $\begin{gathered} 57.3 \\ (55.9-58.7) \end{gathered}$ | $\begin{gathered} 58.7 \\ (57.2-60.3) \end{gathered}$ | $\begin{gathered} 56.1 \\ (54.7-57.4) \end{gathered}$ | $\begin{gathered} 54.5 \\ (53.2-55.8) \end{gathered}$ | $\begin{gathered} 55.9 \\ (54.5-57.2) \end{gathered}$ | $\begin{gathered} 54.4 \\ (52.8-56.0) \end{gathered}$ | $\downarrow$ |
| GP-supplied | $\begin{gathered} 4.8 \\ (4.1-5.4) \end{gathered}$ | $\begin{gathered} 5.3 \\ (4.6-6.1) \end{gathered}$ | $\begin{gathered} 6.4 \\ (5.5-7.3) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.2-6.5) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.0-6.0) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.6-6.5) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.5-6.5) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.3-7.1) \end{gathered}$ | $\begin{gathered} 7.1 \\ (6.6-7.6) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.3-9.5) \end{gathered}$ | $\uparrow$ |
| Advised OTC | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 7.0 \\ (6.4-7.6) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.1-7.2) \end{gathered}$ | $\begin{gathered} { }_{(6.3-7.5)}^{6.9} \end{gathered}$ | $\begin{gathered} { }_{(6.2-7.2)} \end{gathered}$ | $\begin{gathered} 6.3 \\ (5.8-6.8) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.2-7.2) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.3-6.1) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | - |
| Other treatments | $\begin{gathered} 34.2 \\ (32.7-35.7) \end{gathered}$ | $\begin{gathered} 36.2 \\ (34.6-37.7) \end{gathered}$ | $\begin{gathered} 35.7 \\ (34.1-37.3) \end{gathered}$ | $\begin{gathered} 35.1 \\ (33.5-36.7) \end{gathered}$ | $\begin{gathered} 37.6 \\ (36.0-39.2) \end{gathered}$ | $\begin{gathered} 29.9 \\ (28.5-31.2) \end{gathered}$ | $\begin{gathered} 30.1 \\ (28.6-31.5) \end{gathered}$ | $\begin{gathered} 33.9 \\ (32.4-35.3) \end{gathered}$ | $\begin{gathered} 32.8 \\ (31.5-34.1) \end{gathered}$ | $\begin{gathered} 34.3 \\ (32.6-36.0) \end{gathered}$ | - |
| Clinical | $\begin{gathered} 25.8 \\ (24.4-27.1) \end{gathered}$ | $\begin{gathered} 26.5 \\ (25.2-27.9) \end{gathered}$ | $\begin{gathered} 25.7 \\ (24.2-27.1) \end{gathered}$ | $\begin{gathered} 25.0 \\ (23.6-26.4) \end{gathered}$ | $\begin{gathered} 27.0 \\ (25.6-28.3) \end{gathered}$ | $\begin{gathered} 20.0 \\ (18.8-21.2) \end{gathered}$ | $\begin{gathered} 19.9 \\ (18.7-21.1) \end{gathered}$ | $\begin{gathered} 22.8 \\ (21.6-24.1) \end{gathered}$ | $\begin{gathered} 22.0 \\ (20.8-23.2) \end{gathered}$ | $\begin{gathered} 22.8 \\ (21.3-24.3) \end{gathered}$ | § |
| Procedural | $\begin{gathered} 8.4 \\ (8.0-8.9) \end{gathered}$ | $\begin{gathered} 9.6 \\ (9.1-10.1) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.6-10.6) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.6-10.6) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.0-11.3) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.4-10.3) \end{gathered}$ | $\begin{gathered} 10.2 \\ (9.7-10.7) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.5-11.6) \end{gathered}$ | $\begin{gathered} 10.8 \\ (10.4-11.3) \end{gathered}$ | $\begin{gathered} 11.4 \\ (10.8-12.1) \end{gathered}$ | $\uparrow$ |
| Referrals | $\stackrel{7.2}{(7.0-7.5)}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.6-8.3) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.7-8.2) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.9-8.5) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.9-8.6) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.6-9.2) \end{gathered}$ | $\begin{gathered} 8.7 \\ (8.4-9.0) \end{gathered}$ | $\uparrow$ |
| Specialist | $\begin{gathered} 5.1 \\ (4.9-5.3) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.9-5.3) \end{gathered}$ | $\begin{aligned} & { }_{(5.0-5.5)} \end{aligned}$ | $\begin{gathered} 5.4 \\ (5.1-5.6) \end{gathered}$ | $\begin{aligned} & 5.3 \\ & (5.1-5.5) \end{aligned}$ | $\begin{gathered} 5.6 \\ (5.4-5.8) \end{gathered}$ | $\begin{aligned} & 5.4 \\ & (5.2-5.7) \end{aligned}$ | $\begin{gathered} 5.3 \\ (5.1-5.5) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.6-6.0) \end{gathered}$ | $\stackrel{5.5}{(5.3-5.7)}$ | $\uparrow$ |
| Allied health service | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\stackrel{1.9}{(1.7-2.0)}$ | $\stackrel{2.0}{(1.8-2.1)}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\stackrel{2.3}{(2.1-2.4)}$ | $\stackrel{2.5}{(2.3-2.7)}$ | $\stackrel{2.6}{(2.4-2.7)}$ | $\uparrow$ |
| Hospital | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | - |

Table 8.1a (continued): Summary of management (rate per 100 problems), 2000-01 to 2009-10

| Management type | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  | $\begin{gathered} \boldsymbol{\uparrow}^{(\mathrm{a})} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Emergency department | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | - |
| Other medical services | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | - |
| Other referrals | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Pathology | $\begin{gathered} 20.5 \\ (19.7-21.3) \end{gathered}$ | $\begin{gathered} 21.6 \\ (20.8-22.5) \end{gathered}$ | $\begin{gathered} 22.7 \\ (21.8-23.6) \end{gathered}$ | $\begin{gathered} 24.1 \\ (23.1-25.0) \end{gathered}$ | $\begin{gathered} 25.2 \\ (24.3-26.2) \end{gathered}$ | $\begin{gathered} 26.4 \\ (25.3-27.5) \end{gathered}$ | $\begin{gathered} 28.6 \\ (27.5-29.6) \end{gathered}$ | $\begin{gathered} 28.5 \\ (27.4-29.6) \end{gathered}$ | $\begin{gathered} 29.5 \\ (28.4-30.5) \end{gathered}$ | $\begin{gathered} 29.3 \\ (28.2-30.4) \end{gathered}$ | $\uparrow$ |
| Imaging | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.3-5.7) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.7-6.2) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.4-5.9) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.5-5.9) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.8-6.3) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.8-6.3) \end{gathered}$ | $\begin{gathered} 6.3 \\ (6.1-6.5) \end{gathered}$ | $\begin{gathered} 6.3 \\ (6.1-6.6) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.1-6.6) \end{gathered}$ | $\uparrow$ |
| Other investigations | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |

(a) The direction and type of change is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, $\S$ indicates a non-linear significant or marginal change,
Table 8.1b: Summary of management (rate per 100 encounters), 2000-01 to 2009-10

| Management type | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  | $\stackrel{\boldsymbol{T}^{(\mathrm{a})}}{\downarrow}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=99,307$ ) | ( $n=96,973$ ) | $(n=100,987)$ | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | $(n=91,805)$ | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Medications | $\begin{gathered} 108.1 \\ (105.7-110.6) \end{gathered}$ | $\begin{gathered} 104.5 \\ (102.2-106.9) \end{gathered}$ | $\begin{gathered} 103.8 \\ (101.4-106.2) \end{gathered}$ | $\begin{gathered} 104.4 \\ (102.1-106.7) \end{gathered}$ | $\begin{gathered} 101.5 \\ (99.3-103.8) \end{gathered}$ | $\begin{gathered} 104.4 \\ (101.8-107.0) \end{gathered}$ | $\begin{gathered} 101.5 \\ (99.2-103.9) \end{gathered}$ | $\begin{gathered} 102.7 \\ (100.3-105.0) \end{gathered}$ | $\begin{gathered} 106.3 \\ (104.0-108.5) \end{gathered}$ | $\begin{gathered} 106.6 \\ (103.6-109.5) \end{gathered}$ |  |
| Prescribed | $\begin{gathered} 92.3 \\ (89.8-94.7) \end{gathered}$ | $\begin{gathered} 88.0 \\ (85.6-90.4) \end{gathered}$ | $\begin{gathered} 84.3 \\ (81.8-86.9) \end{gathered}$ | $\begin{gathered} 86.0 \\ (83.6-88.5) \end{gathered}$ | $\begin{gathered} 83.4 \\ (81.2-85.6) \end{gathered}$ | $\begin{gathered} 85.8 \\ (83.3-88.4) \end{gathered}$ | $\begin{gathered} 83.3 \\ (81.0-85.5) \end{gathered}$ | $\begin{gathered} 82.4 \\ (80.3-84.6) \end{gathered}$ | $\begin{gathered} 86.4 \\ (84.1-88.6) \end{gathered}$ | $\begin{gathered} 83.4 \\ (80.6-86.2) \end{gathered}$ | $\downarrow$ |
| GP-supplied | $\begin{gathered} 6.9 \\ (5.9-7.9) \end{gathered}$ | $\begin{gathered} 7.6 \\ (6.6-8.7) \end{gathered}$ | $\begin{gathered} 9.3 \\ (8.0-10.6) \end{gathered}$ | $\begin{gathered} 8.6 \\ (7.6-9.6) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.3-8.8) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.2-9.5) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.6) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.5-10.7) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.2-11.8) \end{gathered}$ | $\begin{gathered} 13.6 \\ (12.7-14.6) \end{gathered}$ | $\uparrow$ |
| Advised OTC | $\begin{gathered} 9.0 \\ (8.2-9.7) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.6) \end{gathered}$ | $\begin{gathered} 10.2 \\ (9.3-11.1) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.0-10.5) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.2-10.9) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.0-10.5) \end{gathered}$ | $\begin{gathered} 9.4 \\ (8.7-10.1) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.3-10.9) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.3-9.4) \end{gathered}$ | $\begin{gathered} 9.5 \\ (8.7-10.3) \end{gathered}$ | - |
| Other treatments | $\begin{gathered} 49.4 \\ (47.1-51.7) \end{gathered}$ | $\begin{gathered} 51.9 \\ (49.5-54.2) \end{gathered}$ | $\begin{gathered} 51.8 \\ (49.3-54.3) \end{gathered}$ | $\begin{gathered} 51.4 \\ (48.9-53.8) \end{gathered}$ | $\begin{gathered} 54.7 \\ (52.1-57.3) \end{gathered}$ | $\begin{gathered} 43.6 \\ (41.5-45.8) \end{gathered}$ | $\begin{gathered} 44.7 \\ (42.3-47.0) \end{gathered}$ | $\begin{gathered} 51.2 \\ (48.9-53.6) \end{gathered}$ | $\begin{gathered} 50.7 \\ (48.5-52.9) \end{gathered}$ | $\begin{gathered} 52.5 \\ (49.8-55.3) \end{gathered}$ | - |
| Clinical | $\begin{gathered} 37.2 \\ (35.1-39.3) \end{gathered}$ | $\begin{gathered} 38.1 \\ (36.1-40.1) \end{gathered}$ | $\begin{gathered} 37.2 \\ (35.0-39.4) \end{gathered}$ | $\begin{gathered} 36.6 \\ (34.5-38.7) \end{gathered}$ | $\begin{gathered} 39.2 \\ (37.1-41.4) \end{gathered}$ | $\begin{gathered} 29.2 \\ (27.3-31.1) \end{gathered}$ | $\begin{gathered} 29.5 \\ (27.6-31.4) \end{gathered}$ | $\begin{gathered} 34.5 \\ (32.5-36.5) \end{gathered}$ | $\begin{gathered} 34.0 \\ (32.1-35.9) \end{gathered}$ | $\begin{gathered} 35.0 \\ (32.6-37.4) \end{gathered}$ | - |
| Procedural | $\begin{gathered} 12.2 \\ (11.6-12.8) \end{gathered}$ | $\begin{gathered} 13.8 \\ (13.1-14.5) \end{gathered}$ | $\begin{gathered} 14.6 \\ (13.9-15.3) \end{gathered}$ | $\begin{gathered} 14.7 \\ (14.0-15.5) \end{gathered}$ | $\begin{gathered} 15.5 \\ (14.6-16.4) \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.7-15.1) \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.4-16.0) \end{gathered}$ | $\begin{gathered} 16.7 \\ (15.9-17.5) \end{gathered}$ | $\begin{gathered} 16.7 \\ (16.0-17.5) \end{gathered}$ | $\begin{gathered} 17.5 \\ (16.5-18.6) \end{gathered}$ | $\uparrow$ |
| Referrals | $\begin{gathered} 10.4 \\ (10.0-10.8) \end{gathered}$ | $\begin{gathered} 10.5 \\ (10.1-10.9) \end{gathered}$ | $\begin{gathered} 11.2 \\ (10.7-11.6) \end{gathered}$ | $\begin{gathered} 11.6 \\ (11.1-12.2) \end{gathered}$ | $\begin{gathered} 11.5 \\ (11.1-12.0) \end{gathered}$ | $\begin{gathered} 12.0 \\ (11.5-12.5) \end{gathered}$ | $\begin{gathered} 12.2 \\ (11.7-12.7) \end{gathered}$ | $\begin{gathered} 12.5 \\ (12.0-13.0) \end{gathered}$ | $\begin{gathered} 13.7 \\ (13.2-14.2) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.8-13.8) \end{gathered}$ | $\uparrow$ |
| Specialist | $\begin{gathered} 7.3 \\ (7.0-7.7) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.3-8.0) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.2) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.8-8.5) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.7-8.4) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.6-8.3) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.7-9.3) \end{gathered}$ | $\begin{gathered} 8.4 \\ (8.1-8.8) \end{gathered}$ | $\uparrow$ |
| Allied health service | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.2) \end{gathered}$ | $\uparrow$ |
| Hospital | $\begin{gathered} 0.5 \\ (0.4-0.6) \\ \hline \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \\ \hline \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \\ \hline \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \\ \hline \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \\ \hline \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \\ \hline \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \\ \hline \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \\ \hline \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \\ \hline \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \\ \hline \end{gathered}$ | $\downarrow$ |

Table 8.1b (continued): Summary of management (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Management type | 2000-01 $(\boldsymbol{n}=99,307)$ | 2001-02 $(n=96,973)$ | $\frac{2002-03}{(n=100,987)}$ | $\begin{gathered} 2003-04 \\ \hline(n=98,877) \end{gathered}$ | $\begin{gathered} 2004-05 \\ \hline(n=94,386) \end{gathered}$ | $\frac{2005-06}{(n=101,993)}$ | $\begin{gathered} 2006-07 \\ \hline(n=91,805) \end{gathered}$ | $\begin{gathered} 2007-08 \\ \hline(n=95,898) \end{gathered}$ | $\begin{gathered} 2008-09 \\ \hline(n=96,688) \end{gathered}$ | $\frac{2009-10}{(n=101,349)}$ | $\stackrel{\boldsymbol{T}^{(a)}}{\downarrow}$ |
| Emergency department | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Other medical services | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\uparrow$ |
| Other referrals | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\uparrow$ |
| Pathology | $\begin{gathered} 29.7 \\ (28.4-30.9) \end{gathered}$ | $\begin{gathered} 31.0 \\ (29.7-32.4) \end{gathered}$ | $\begin{gathered} 32.9 \\ (31.4-34.4) \end{gathered}$ | $\begin{gathered} 35.2 \\ (33.7-36.8) \end{gathered}$ | $\begin{gathered} 36.7 \\ (35.2-38.2) \end{gathered}$ | $\begin{gathered} 38.6 \\ (36.9-40.3) \end{gathered}$ | $\begin{gathered} 42.4 \\ (40.7-44.2) \end{gathered}$ | $\begin{gathered} 43.1 \\ (41.3-45.0) \end{gathered}$ | $\begin{gathered} 45.6 \\ (43.8-47.4) \end{gathered}$ | $\begin{gathered} 45.0 \\ (43.1-46.9) \end{gathered}$ | $\uparrow$ |
| Imaging | $\begin{gathered} 7.7 \\ (7.3-8.0) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.2) \end{gathered}$ | $\begin{gathered} 8.6 \\ (8.2-9.0) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.8-8.6) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.4-9.2) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.6-9.3) \end{gathered}$ | $\begin{gathered} 9.5 \\ (9.2-9.9) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.4-10.2) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.3-10.1) \end{gathered}$ | $\uparrow$ |
| Other investigations | $\begin{gathered} 0.6 \\ (0.5-0.7) \\ \hline \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \\ \hline \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\uparrow$ |

[^10]Table 8.2a: Problems for which at least one management was recorded (per cent of problems), 2000-01 to 2009-10

|  | Per cent of problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| At least one... | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Management type | $\begin{gathered} 86.4 \\ (85.7-87.0) \end{gathered}$ | $\begin{gathered} 87.3 \\ (86.7-87.9) \end{gathered}$ | $\begin{gathered} 86.4 \\ (85.7-87.1) \end{gathered}$ | $\begin{gathered} 86.8 \\ (86.2-87.4) \end{gathered}$ | $\begin{gathered} 87.1 \\ (86.4-87.7) \end{gathered}$ | $\begin{gathered} 86.2 \\ \text { (85.6-86.9) } \end{gathered}$ | $\begin{gathered} 85.3 \\ (84.6-85.9) \end{gathered}$ | $\begin{gathered} 86.3 \\ (85.6-86.9) \end{gathered}$ | $\begin{gathered} 86.3 \\ (85.6-86.9) \end{gathered}$ | $\begin{gathered} 85.8 \\ (85.1-86.4) \end{gathered}$ | - |
| Medication or other treatment | $\begin{gathered} 76.0 \\ (75.2-76.8) \end{gathered}$ | $\begin{gathered} 76.5 \\ (75.7-77.3) \end{gathered}$ | $\begin{gathered} 75.1 \\ (74.3-75.9) \end{gathered}$ | $\begin{gathered} 75.0 \\ (74.2-75.8) \end{gathered}$ | $\begin{gathered} 74.9 \\ (74.1-75.7) \end{gathered}$ | $\begin{gathered} 73.5 \\ (72.7-74.4) \end{gathered}$ | $\begin{gathered} 71.8 \\ (70.9-72.6) \end{gathered}$ | $\begin{gathered} 73.2 \\ (72.4-74.1) \end{gathered}$ | $\begin{gathered} 72.9 \\ (72.1-73.7) \end{gathered}$ | $\begin{gathered} 72.8 \\ (71.9-73.7) \end{gathered}$ | $\downarrow$ |
| Medication | $\begin{gathered} 58.7 \\ (57.7-59.6) \end{gathered}$ | $\begin{gathered} 58.0 \\ (57.1-59.0) \end{gathered}$ | $\begin{gathered} 56.8 \\ (55.8-57.8) \end{gathered}$ | $\begin{gathered} 56.6 \\ (55.7-57.6) \end{gathered}$ | $\begin{gathered} 55.2 \\ (54.2-56.2) \end{gathered}$ | $\begin{gathered} 56.5 \\ (55.4-57.5) \end{gathered}$ | $\begin{gathered} 54.5 \\ (53.5-55.5) \end{gathered}$ | $\begin{gathered} 54.1 \\ (53.1-55.1) \end{gathered}$ | $\begin{gathered} 54.3 \\ (53.4-55.3) \end{gathered}$ | $\begin{gathered} 54.2 \\ (53.2-55.1) \end{gathered}$ | $\downarrow$ |
| Prescription | $\begin{gathered} 51.2 \\ (50.2-52.3) \end{gathered}$ | $\begin{gathered} 49.8 \\ (48.7-50.9) \end{gathered}$ | $\begin{gathered} 47.2 \\ (46.0-48.4) \end{gathered}$ | $\begin{gathered} 47.8 \\ (46.7-48.9) \end{gathered}$ | $\begin{gathered} 46.7 \\ (45.7-47.8) \end{gathered}$ | $\begin{gathered} 47.7 \\ (46.6-48.8) \end{gathered}$ | $\begin{gathered} 45.6 \\ (44.6-46.6) \end{gathered}$ | $\begin{gathered} 44.4 \\ (43.5-45.4) \end{gathered}$ | $\begin{gathered} 44.9 \\ (43.9-45.8) \end{gathered}$ | $\begin{gathered} 43.2 \\ (42.1-44.3) \end{gathered}$ | $\downarrow$ |
| GP-supplied | $\begin{gathered} 3.8 \\ (3.3-4.3) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.8-4.9) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.5-6.0) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.2-5.3) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.2-4.9) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.3-5.1) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.0-5.7) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.3-6.1) \end{gathered}$ | $\begin{gathered} 7.2 \\ (6.7-7.7) \end{gathered}$ | $\uparrow$ |
| Advised OTC | $\begin{gathered} 5.6 \\ (5.2-6.1) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.2-6.1) \end{gathered}$ | $\begin{gathered} 6.4 \\ (5.9-6.9) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.6-6.5) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.0-4.7) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.6-6.5) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.4-6.2) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.6-6.5) \end{gathered}$ | $\begin{gathered} 5.3 \\ (4.9-5.6) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.1-6.0) \end{gathered}$ | - |
| Other treatment | $\begin{gathered} 29.7 \\ (28.5-30.9) \end{gathered}$ | $\begin{gathered} 31.4 \\ (30.2-32.6) \end{gathered}$ | $\begin{gathered} 30.9 \\ (29.7-32.2) \end{gathered}$ | $\begin{gathered} 30.5 \\ (29.3-31.8) \end{gathered}$ | $\begin{gathered} 32.4 \\ (31.1-33.6) \end{gathered}$ | $\begin{gathered} 26.9 \\ (25.8-28.1) \end{gathered}$ | $\begin{gathered} 27.0 \\ (25.8-28.2) \end{gathered}$ | $\begin{gathered} 30.2 \\ (29.1-31.4) \end{gathered}$ | $\begin{gathered} 29.3 \\ (28.2-30.4) \end{gathered}$ | $\begin{gathered} 30.3 \\ (29.0-31.7) \end{gathered}$ | - |
| Clinical treatment | $\begin{gathered} 22.7 \\ (21.6-23.8) \end{gathered}$ | $\begin{gathered} 23.4 \\ (22.3-24.5) \end{gathered}$ | $\begin{gathered} 22.7 \\ (21.5-23.8) \end{gathered}$ | $\begin{gathered} 22.2 \\ (21.0-23.3) \end{gathered}$ | $\begin{gathered} 23.7 \\ (22.5-24.8) \end{gathered}$ | $\begin{gathered} 18.3 \\ (17.2-19.3) \end{gathered}$ | $\begin{gathered} 18.0 \\ (17.0-19.1) \end{gathered}$ | $\begin{gathered} 20.6 \\ (19.6-21.7) \end{gathered}$ | $\begin{gathered} 20.0 \\ (18.9-21.0) \end{gathered}$ | $\begin{gathered} 20.6 \\ (19.3-21.8) \end{gathered}$ | § |
| Procedural treatment | $\begin{gathered} 8.0 \\ (7.6-8.4) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.6-9.6) \end{gathered}$ | $\begin{gathered} 9.4 \\ (9.0-9.8) \end{gathered}$ | $\begin{gathered} 9.4 \\ (8.9-9.8) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.3-10.3) \end{gathered}$ | $\begin{gathered} 9.3 \\ (8.7-9.7) \end{gathered}$ | $\begin{gathered} 9.6 \\ (9.2-10.1) \end{gathered}$ | $\begin{gathered} 10.3 \\ (9.8-10.8) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.7-10.5) \end{gathered}$ | $\begin{gathered} 10.7 \\ (10.1-11.3) \end{gathered}$ | $\uparrow$ |
| Referral | $\begin{gathered} 7.2 \\ (6.9-7.5) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.6-8.3) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.7-8.2) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.9-8.5) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.5-9.2) \end{gathered}$ | $\begin{gathered} 8.7 \\ (8.4-9.0) \end{gathered}$ | $\uparrow$ |
| Specialist | $\begin{gathered} 5.1 \\ (4.9-5.3) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.9-5.3) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.2-5.7) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.2-5.6) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.4-5.9) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.3-5.8) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.5) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.7-6.1) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.4-5.8) \end{gathered}$ | $\uparrow$ |
| Allied health | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.4) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\uparrow$ |
| Hospital | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\downarrow$ |

Table 8.2a (continued): Problems for which at least one management was recorded (per cent of problems), 2000-01 to 2009-10

|  | Per cent of problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 10-2009- | ${ }^{(2)}$ |
| At least one... | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | $(n=136,333)$ | $(n=145,078)$ | $(n=149,462)$ | ( $n=155,373$ ) | $\downarrow$ |
| Emergency department | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | - |
| Other medical service | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | - |
| Other referral | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | - |
| Investigation | $\begin{gathered} 14.9 \\ (14.4-15.3) \end{gathered}$ | $\begin{gathered} 15.3 \\ 14.8-15.7) \end{gathered}$ | $\begin{gathered} 16.2 \\ (15.7-16.6) \end{gathered}$ | $\begin{gathered} 16.5 \\ (16.0-17.0) \end{gathered}$ | $\begin{gathered} 16.9 \\ (16.4-17.3) \end{gathered}$ | $\begin{gathered} 17.6 \\ (17.1-18.1) \end{gathered}$ | $\begin{gathered} 18.2 \\ (17.7-18.7) \end{gathered}$ | $\begin{gathered} 18.1 \\ (17.6-18.6) \end{gathered}$ | $\begin{gathered} 18.5 \\ (18.0-19.0) \end{gathered}$ | $\begin{gathered} 18.1 \\ (17.6-18.6) \end{gathered}$ | $\uparrow$ |
| Pathology order | $\begin{gathered} 10.6 \\ (10.2-11.0) \end{gathered}$ | $\begin{gathered} 10.8 \\ (10.4-11.2) \end{gathered}$ | $\begin{gathered} 11.4 \\ (11.0-11.8) \end{gathered}$ | $\begin{gathered} 11.9 \\ (11.5-12.4) \end{gathered}$ | $\begin{gathered} 12.2 \\ (11.8-12.6) \end{gathered}$ | $\begin{gathered} 12.7 \\ (12.2-13.2) \end{gathered}$ | $\begin{gathered} 13.4 \\ (13.0-13.9) \end{gathered}$ | $\begin{gathered} 13.1 \\ (12.7-13.6) \end{gathered}$ | $\begin{gathered} 13.6 \\ (13.2-14.0) \end{gathered}$ | $\begin{gathered} 13.2 \\ (12.8-13.7) \end{gathered}$ | $\uparrow$ |
| Imaging order | $\begin{gathered} 4.8 \\ (4.6-5.1) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.7-5.2) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.8-5.3) \end{gathered}$ | $\begin{gathered} 5.2 \\ (5.0-5.4) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.3-5.7) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.3-5.7) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.4-5.9) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.4-5.9) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.5-6.0) \end{gathered}$ | $\uparrow$ |
| Other investigation | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |

[^11] F Rates are reported to one decimal plac
Table 8.2b: Encounters for which at least one management was recorded (per cent of encounters), 2000-01 to 2009-10

|  | Per cent of encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| At least one... | 2000-01 $(n=99,307)$ | 2001-02 $(n=96,973)$ | $\frac{2002-03}{(n=100,987)}$ | $\begin{gathered} 2003-04 \\ \hline(n=98,877) \end{gathered}$ | $\begin{gathered} 2004-05 \\ \hline(n=94,386) \end{gathered}$ | $\frac{2005-06}{(n=101,993)}$ | $\begin{gathered} 2006-07 \\ (n=91,805) \end{gathered}$ | $\begin{gathered} 2007-08 \\ \hline(n=95,898) \end{gathered}$ | $\begin{gathered} 2008-09 \\ (n=96,688) \end{gathered}$ | $\begin{gathered} 2009-10 \\ \hline(n=101,349) \end{gathered}$ | $\underset{\downarrow}{\boldsymbol{N}^{(\mathrm{a})}}$ |
| Management type | $\begin{gathered} 91.6 \\ (91.0-92.2) \end{gathered}$ | $\begin{gathered} 91.8 \\ (91.3-92.3) \end{gathered}$ | $\begin{gathered} 91.3 \\ (90.6-92.0) \end{gathered}$ | $\begin{gathered} 91.5 \\ (90.9-92.0) \end{gathered}$ | $\begin{gathered} 91.9 \\ (91.3-92.5) \end{gathered}$ | $\begin{gathered} 91.2 \\ (90.6-91.8) \end{gathered}$ | $\begin{gathered} 90.4 \\ (89.8-91.0) \end{gathered}$ | $\begin{gathered} 91.9 \\ (91.3-92.4) \end{gathered}$ | $\begin{gathered} 92.2 \\ (91.7-92.7) \end{gathered}$ | $\begin{gathered} 91.3 \\ (90.7-91.9) \end{gathered}$ | - |
| Medication or other treatment | $\begin{gathered} 83.5 \\ (82.7-84.2) \end{gathered}$ | $\begin{gathered} 83.2 \\ (82.5-84.0) \end{gathered}$ | $\begin{gathered} 82.5 \\ (81.6-83.3) \end{gathered}$ | $\begin{gathered} 82.3 \\ (81.5-83.1) \end{gathered}$ | $\begin{gathered} 82.4 \\ (81.6-83.2) \end{gathered}$ | $\begin{gathered} 81.4 \\ (80.6-82.1) \end{gathered}$ | $\begin{gathered} 79.9 \\ (79.1-80.8) \end{gathered}$ | $\begin{gathered} 82.2 \\ (81.4-82.9) \end{gathered}$ | $\begin{gathered} 82.4 \\ (81.7-83.1) \end{gathered}$ | $\begin{gathered} 81.6 \\ (80.8-82.4) \end{gathered}$ | $\downarrow$ |
| Medication | $\begin{gathered} 68.0 \\ (67.1-68.9) \end{gathered}$ | $\begin{gathered} 66.6 \\ (65.7-67.5) \end{gathered}$ | $\begin{gathered} 65.8 \\ (64.9-66.8) \end{gathered}$ | $\begin{gathered} 65.6 \\ (64.7-66.5) \end{gathered}$ | $\begin{gathered} 64.3 \\ (63.4-65.2) \end{gathered}$ | $\begin{gathered} 65.2 \\ \text { (64.3-66.2) } \end{gathered}$ | $\begin{gathered} 63.9 \\ (63.0-64.9) \end{gathered}$ | $\begin{gathered} 64.4 \\ \text { (63.4-65.3) } \end{gathered}$ | $\begin{gathered} 65.1 \\ (64.3-65.9) \end{gathered}$ | $\begin{gathered} 64.6 \\ (63.6-65.5) \end{gathered}$ | $\downarrow$ |
| Prescription | $\begin{gathered} 59.8 \\ (58.7-60.8) \end{gathered}$ | $\begin{gathered} 57.4 \\ (56.4-58.5) \end{gathered}$ | $\begin{gathered} 54.9 \\ (53.7-56.1) \end{gathered}$ | $\begin{gathered} 55.7 \\ (54.6-56.9) \end{gathered}$ | $\begin{gathered} 54.8 \\ (53.8-55.8) \end{gathered}$ | $\begin{gathered} 55.6 \\ (54.5-56.6) \end{gathered}$ | $\begin{gathered} 54.1 \\ (53.2-55.1) \end{gathered}$ | $\begin{gathered} 53.6 \\ (52.6-54.5) \end{gathered}$ | $\begin{gathered} 54.6 \\ (53.7-55.5) \end{gathered}$ | $\begin{gathered} 52.4 \\ (51.3-53.4) \end{gathered}$ | $\downarrow$ |
| GP-supplied | $\begin{gathered} 5.1 \\ (4.5-5.7) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.1-6.5) \end{gathered}$ | $\begin{gathered} 6.8 \\ (6.0-7.7) \end{gathered}$ | $\begin{gathered} 6.5 \\ (5.8-7.3) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.0-6.9) \end{gathered}$ | $\begin{gathered} 6.8 \\ (6.3-7.3) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.4-8.4) \end{gathered}$ | $\begin{gathered} 8.5 \\ (7.9-9.1) \end{gathered}$ | $\begin{gathered} 10.5 \\ (9.8-11.2) \end{gathered}$ | $\uparrow$ |
| Advised OTC | $\begin{gathered} 8.0 \\ (7.3-8.6) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.4-8.6) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.3-9.8) \end{gathered}$ | $\begin{gathered} 8.7 \\ (8.0-9.3) \end{gathered}$ | $\begin{gathered} 8.7 \\ (8.1-9.4) \end{gathered}$ | $\begin{gathered} 8.6 \\ (8.0-9.2) \end{gathered}$ | $\begin{gathered} 8.4 \\ (7.8-8.9) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.3-9.6) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.5-8.5) \end{gathered}$ | $\begin{gathered} 8.3 \\ (7.6-8.9) \end{gathered}$ | - |
| Other treatment | $\begin{gathered} 37.6 \\ (36.2-39.1) \end{gathered}$ | $\begin{gathered} 39.5 \\ (38.1-41.0) \end{gathered}$ | $\begin{gathered} 39.4 \\ (37.8-40.9) \end{gathered}$ | $\begin{gathered} 39.3 \\ (37.8-40.8) \end{gathered}$ | $\begin{gathered} 41.2 \\ (39.7-42.8) \end{gathered}$ | $\begin{gathered} 35.1 \\ (33.7-36.6) \end{gathered}$ | $\begin{gathered} 35.3 \\ (33.8-36.9) \end{gathered}$ | $\begin{gathered} 39.9 \\ (38.3-41.4) \end{gathered}$ | $\begin{gathered} 39.6 \\ (38.3-41.0) \end{gathered}$ | $\begin{gathered} 40.3 \\ (38.5-42.0) \end{gathered}$ | - |
| Clinical treatment | $\begin{gathered} 29.0 \\ (27.6-30.3) \end{gathered}$ | $\begin{gathered} 29.7 \\ (28.4-31.1) \end{gathered}$ | $\begin{gathered} 29.2 \\ (27.7-30.6) \end{gathered}$ | $\begin{gathered} 28.9 \\ (27.4-30.3) \end{gathered}$ | $\begin{gathered} 30.5 \\ (29.1-32.0) \end{gathered}$ | $\begin{gathered} 24.0 \\ (22.7-25.4) \end{gathered}$ | $\begin{gathered} 23.8 \\ (22.5-25.2) \end{gathered}$ | $\begin{gathered} 27.5 \\ (26.1-28.9) \end{gathered}$ | $\begin{gathered} 27.3 \\ (26.0-28.6) \end{gathered}$ | $\begin{gathered} 27.7 \\ (26.1-29.2) \end{gathered}$ | § |
| Procedural treatment | $\begin{gathered} 11.1 \\ (10.6-11.7) \end{gathered}$ | $\begin{gathered} 12.7 \\ (12.0-13.3) \end{gathered}$ | $\begin{gathered} 13.2 \\ (12.6-13.8) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.7-13.9) \end{gathered}$ | $\begin{gathered} 13.8 \\ (13.1-14.6) \end{gathered}$ | $\begin{gathered} 13.2 \\ (12.6-13.8) \end{gathered}$ | $\begin{gathered} 13.8 \\ (13.2-14.5) \end{gathered}$ | $\begin{gathered} 15.0 \\ (14.3-15.7) \end{gathered}$ | $\begin{gathered} 15.0 \\ (14.4-15.6) \end{gathered}$ | $\begin{gathered} 15.7 \\ (14.8-16.6) \end{gathered}$ | $\uparrow$ |
| Referral | $\begin{gathered} 9.9 \\ (9.6-10.3) \end{gathered}$ | $\begin{gathered} 10.0 \\ (9.6-10.4) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.2-11.0) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.5-11.5) \end{gathered}$ | $\begin{gathered} 10.9 \\ (10.5-11.3) \end{gathered}$ | $\begin{gathered} 11.3 \\ (10.9-11.8) \end{gathered}$ | $\begin{gathered} 11.5 \\ (11.0-11.9) \end{gathered}$ | $\begin{gathered} 11.8 \\ (11.3-12.2) \end{gathered}$ | $\begin{gathered} 12.8 \\ (12.3-13.2) \end{gathered}$ | $\begin{gathered} 12.4 \\ (11.9-12.9) \end{gathered}$ | $\uparrow$ |
| Specialist | $\begin{gathered} 7.1 \\ (6.8-7.4) \end{gathered}$ | $\begin{gathered} 7.0 \\ (6.7-7.3) \end{gathered}$ | $\begin{gathered} 7.4 \\ (7.0-7.7) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.3-8.0) \end{gathered}$ | $\begin{gathered} 7.5 \\ (7.2-7.8) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.2) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 8.6 \\ (8.3-8.9) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.7-8.5) \end{gathered}$ | $\uparrow$ |
| Allied health | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.1) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.5) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\uparrow$ |
| Hospital | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\downarrow$ |

Table 8.2b (continued): Encounters for which at least one management was recorded (per cent of encounters), 2000-01 to 2009-10

|  | Per cent of encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 |  | ${ }^{\text {(a) }}$ |
| At least one... | $(n=99,307)$ | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | $(n=101,993)$ | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Emergency department | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Other referral | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\uparrow$ |
| Other medical service | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\uparrow$ |
| Investigation | $\begin{gathered} 19.3 \\ (18.7-19.9) \end{gathered}$ | $\begin{gathered} 19.7 \\ (19.1-20.3) \end{gathered}$ | $\begin{gathered} 20.8 \\ (20.2-21.5) \end{gathered}$ | $\begin{gathered} 21.3 \\ (20.7-22.0) \end{gathered}$ | $\begin{gathered} 21.7 \\ (21.1-22.4) \end{gathered}$ | $\begin{gathered} 22.6 \\ (21.9-23.3) \end{gathered}$ | $\begin{gathered} 23.5 \\ (22.8-24.2) \end{gathered}$ | $\begin{gathered} 23.8 \\ (23.1-24.5) \end{gathered}$ | $\begin{gathered} 24.6 \\ (23.9-25.3) \end{gathered}$ | $\begin{gathered} 24.2 \\ (23.5-24.9) \end{gathered}$ | $\uparrow$ |
| Pathology order | $\begin{gathered} 13.8 \\ (13.3-14.2) \end{gathered}$ | $\begin{gathered} 14.0 \\ (13.5-14.5) \end{gathered}$ | $\begin{gathered} 14.7 \\ (14.2-15.3) \end{gathered}$ | $\begin{gathered} 15.5 \\ (14.9-16.1) \end{gathered}$ | $\begin{gathered} 15.7 \\ \text { (15.2-16.3) } \end{gathered}$ | $\begin{gathered} 16.4 \\ (15.8-16.9) \end{gathered}$ | $\begin{gathered} 17.4 \\ (16.8-18.0) \end{gathered}$ | $\begin{gathered} 17.4 \\ (16.7-18.0) \end{gathered}$ | $\begin{gathered} 18.2 \\ (17.6-18.8) \end{gathered}$ | $\begin{gathered} 17.7 \\ (17.1-18.3) \end{gathered}$ | $\uparrow$ |
| Imaging order | $\begin{gathered} 6.8 \\ (6.5-7.1) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.6-7.2) \end{gathered}$ | $\begin{gathered} 7.5 \\ (7.1-7.8) \end{gathered}$ | $\begin{gathered} 7.2 \\ (6.9-7.5) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.8 \\ (7.4-8.1) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.6-8.2) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.5 \\ (8.1-8.8) \end{gathered}$ | $\begin{gathered} 8.5 \\ (8.2-8.9) \end{gathered}$ | $\uparrow$ |
| Other investigation | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | - |

(a) The direction and type of change is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, § indicates a non-linear significant or marginal change,
$\mp \quad$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.

## 9 Medications

This chapter includes data about the medications prescribed, advised or supplied by general practitioners from each of the 10 years of the BEACH study from 2000-01 to 2009-10. The direction and type of change over the study period is indicated for each result in the far right column of the tables: $\uparrow / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal change, and - indicates there was no change.
Significant linear changes can be extrapolated to estimate the national increase or decrease in the prescribed, supplied, or advised medication rate between 2000-01 and 2009-10. Some examples of extrapolated changes are given for each table. The method used to extrapolate to national change estimates is described in Section 2.8.
GPs could record up to four medications for each of four problems - a maximum of 16 medications per encounter. Each medication could be recorded as prescribed (the default), supplied by the GP or recommended for over-the-counter (OTC) purchase.
Medication data for the 10 years, 2000-01 to 2009-10, are reported in two ways in this chapter: as rates per 100 problems managed (for example, Table 9.1a) and as rates per 100 encounters (for example, Table 9.1b). In describing data over time, the rates per 100 problems are reported as the primary measure, because there has been a significant increase in the number of problems managed per encounter. In previous publications, rates per 100 encounters were used when describing GPs' management actions during the most recent 10 years. The tables with rates per 100 encounters are therefore included for consistency with previously published reports.
Table 9.1a shows that between the two data periods, total medication rates decreased significantly per 100 problems managed. However, there was no significant change in total medication rates per 100 encounters between 2000-01 and 2009-10 (Table 9.1b).

### 9.1 Prescribed medications

The rate at which medications were prescribed fell from 63.9 per 100 problems managed in 2000-01 to 54.4 per 100 in 2009-10. This significant decrease means that an average of 9.5 fewer prescriptions were being written for every 100 problems managed in 2009-10 than 10 years earlier (Table 9.1a). However, in 2009-10 there were 16.2 million ( $16 \%$ ) more encounters claimed through Medicare than there were in 2000-01. As a result, the extrapolated national effect of this change is 4.5 million more prescriptions given by GPs in 2009-10 than in 2000-01. If the estimated $23 \%$ increase over the 10 years in number of problems managed nationally is considered, the increase in number of prescriptions recorded would have been 21.5 million if not for the decrease in GP prescribing rates.
Tables 9.2a and 9.2 b show prescribing rates of common drug groups at ATC drug group Level 2 over the 10-year period. Extrapolations showed 3 million more prescriptions for agents acting on the rennin-angiotensin system, 1.4 million more psychoanaleptics, 1.2 million serum lipid-reducing agents and 1.2 million more antithrombotics prescribed in 2009-10 than in 2000-01. Conversely, there were approximately 2.1 million fewer systemic anti-inflammatory medications, and 1.2 million fewer drugs for obstructive airways disease prescribed in 2009-10 than in 2000-01.

Tables 9.3 a and 9.3 b show prescribed medication rates at the individual generic level. Some medications that were prescribed significantly more often in 2009-10 than in 2000-01 were the opioids oxycodone, which showed extrapolated estimates of 1.3 million more times prescribed, and tramadol (920,000 more). Oxycodone rates did not change until 2003-04, but then rose every year, whereas tramadol rates rose sharply in 2001-02 and remained steady at the higher level. Lipid-lowering atorvastatin was prescribed an estimated 920,000 more times, and the angiotensin-converting enzymes (ACE) inhibitor perindopril, 850,000 times more often in 2009-10. Two relatively recent additions to the market were esomeprazole and meloxicam. The proton pump inhibitor esomeprazole was prescribed 1.1 million more times, and non-steroid anti-inflammatory meloxicam, 780,000 more times than in 2002-03, which was the year they were first recorded in sufficient quantity to allow calculation of difference over time.
A number of medications are now prescribed less often than in 2000-01, such as cefaclor which showed an extrapolated decrease of 880,000 , and celecoxib, with an estimated decrease of 1.6 million between 2000-01 and 2009-10 .

## Number of repeats ordered

The pattern of the number of repeat prescriptions recorded by GPs changed between 2000-01 and 2009-10 (Table 9.4). There was a significant decrease in the proportion of prescribed medications with one to four repeats ordered, and a significant increase in the proportion of prescriptions for which five repeats were recorded. In 2000-01, $26.9 \%$ of prescriptions were given five repeats, whereas in 2009-10, $35.8 \%$ of prescribed medications had five repeats, an increase of one-third from the 2000-01 results.
Table 9.1a: Rates of medications prescribed, advised for over-the-counter purchase, supplied (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | $\uparrow^{(a)}$ |
| Medications | ( $n=143,528$ ) | ( $n=139,092$ ) | $(n=146,336)$ | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | $(n=145,078)$ | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Prescribed | $\begin{gathered} 63.9 \\ (62.3-65.4) \end{gathered}$ | $\begin{gathered} 61.3 \\ (59.8-62.9) \end{gathered}$ | $\begin{gathered} 58.2 \\ (56.6-59.8) \end{gathered}$ | $\begin{gathered} 58.8 \\ (57.3-60.3) \end{gathered}$ | $\begin{gathered} 57.3 \\ (55.9-58.7) \end{gathered}$ | $\begin{gathered} 58.7 \\ (57.2-60.3) \end{gathered}$ | $\begin{gathered} 56.1 \\ (54.7-57.4) \end{gathered}$ | $\begin{gathered} 54.5 \\ (53.2-55.8) \end{gathered}$ | $\begin{gathered} 55.9 \\ (54.5-57.2) \end{gathered}$ | $\begin{gathered} 54.4 \\ (52.8-56.0) \end{gathered}$ | $\downarrow$ |
| GP-supplied | $\begin{gathered} 4.8 \\ (4.1-5.4) \end{gathered}$ | $\begin{gathered} 5.3 \\ (4.6-6.1) \end{gathered}$ | $\begin{gathered} 6.4 \\ (5.5-7.3) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.2-6.5) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.0-6.0) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.6-6.5) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.5-6.5) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.3-7.1) \end{gathered}$ | $\begin{gathered} 7.1 \\ (6.6-7.6) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.3-9.5) \end{gathered}$ | $\uparrow$ |
| Advised OTC | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 7.0 \\ (6.4-7.6) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.1-7.2) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.3-7.5) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.2-7.2) \end{gathered}$ | $\begin{gathered} 6.3 \\ (5.8-6.8) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.2-7.2) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.3-6.1) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | - |
| Total medications | $\begin{gathered} 74.8 \\ (73.3-76.3) \end{gathered}$ | $\begin{gathered} 72.9 \\ (71.4-74.3) \end{gathered}$ | $\begin{gathered} 71.6 \\ (70.1-73.1) \end{gathered}$ | $\begin{gathered} 71.3 \\ (70.0-72.7) \end{gathered}$ | $\begin{gathered} 69.8 \\ (68.3-71.2) \end{gathered}$ | $\begin{gathered} 71.4 \\ (69.9-72.9) \end{gathered}$ | $\begin{gathered} 68.4 \\ (67.0-69.7) \end{gathered}$ | $\begin{gathered} 67.9 \\ (66.5-69.2) \end{gathered}$ | $\begin{gathered} 68.7 \\ (67.5-70.0) \end{gathered}$ | $\begin{gathered} 69.5 \\ (67.9-71.1) \end{gathered}$ | $\downarrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, and - indicates there was no change.
Note: Cl-confidence interval; OTC-over-the-counter.
Table 9.1b: Rates of medications prescribed, advised for over-the-counter purchase, supplied (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | (a) |
| Medications | $(\mathrm{n}=99,307$ ) | ( $n=96,973$ ) | $(n=100,987)$ | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | $(n=91,805)$ | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Prescribed | $\begin{gathered} 92.3 \\ (89.8-94.7) \end{gathered}$ | $\begin{gathered} 88.0 \\ (85.6-90.4) \end{gathered}$ | $\begin{gathered} 84.3 \\ (81.8-86.9) \end{gathered}$ | $\begin{gathered} 86.0 \\ (83.6-88.5) \end{gathered}$ | $\begin{gathered} 83.4 \\ (81.2-85.6) \end{gathered}$ | $\begin{gathered} 85.8 \\ (83.3-88.4) \end{gathered}$ | $\begin{gathered} 83.3 \\ (81.0-85.5) \end{gathered}$ | $\begin{gathered} 82.4 \\ (80.3-84.6) \end{gathered}$ | $\begin{gathered} 86.4 \\ (84.1-88.6) \end{gathered}$ | $\begin{gathered} 83.4 \\ (80.6-86.2) \end{gathered}$ | $\downarrow$ |
| GP-supplied | $\begin{gathered} 6.9 \\ (5.9-7.9) \end{gathered}$ | $\begin{gathered} 7.6 \\ (6.6-8.7) \end{gathered}$ | $\begin{gathered} 9.3 \\ (8.0-10.6) \end{gathered}$ | $\begin{gathered} 8.6 \\ (7.6-9.6) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.3-8.8) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.2-9.5) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.6) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.5-10.7) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.2-11.8) \end{gathered}$ | $\begin{gathered} 13.6 \\ (12.7-14.6) \end{gathered}$ | $\uparrow$ |
| Advised OTC | $\begin{gathered} 9.0 \\ (8.2-9.7) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.6) \end{gathered}$ | $\begin{gathered} 10.2 \\ (9.3-11.1) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.0-10.5) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.2-10.9) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.0-10.5) \end{gathered}$ | $\begin{gathered} 9.4 \\ (8.7-10.1) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.3-10.9) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.3-9.4) \end{gathered}$ | $\begin{gathered} 9.5 \\ (8.7-10.3) \end{gathered}$ | - |
| Total medications | $\begin{gathered} 108.1 \\ (105.7-110.6) \end{gathered}$ | $\begin{gathered} 104.5 \\ (102.2-106.9) \end{gathered}$ | $\begin{gathered} 103.8 \\ (101.4-106.2) \end{gathered}$ | $\begin{gathered} 104.4 \\ (102.1-106.7) \end{gathered}$ | $\begin{gathered} 101.5 \\ (99.3-103.8) \end{gathered}$ | $\begin{gathered} 104.4 \\ (101.8-107.0) \end{gathered}$ | $\begin{gathered} 101.5 \\ (99.2-103.9) \end{gathered}$ | $\begin{gathered} 102.7 \\ (100.3-105.0) \end{gathered}$ | $\begin{gathered} 106.3 \\ (104.0-108.5) \end{gathered}$ | $\begin{gathered} 106.6 \\ (103.6-109.5) \end{gathered}$ | - |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow \mathbf{\downarrow}$ indicates a statistically significant change, and - indicates there was no change.
Table 9.2a: Distribution of prescribed medications by ATC Level 2 (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| ATC Level 2 | $(n=143,528)$ | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | $(n=137,330)$ | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) |  |
| Antibacterials for systemic use | $\begin{gathered} 10.7 \\ (10.2-11.1) \end{gathered}$ | $\begin{gathered} 9.7 \\ (9.3-10.1) \end{gathered}$ | $\begin{gathered} 9.2 \\ (8.8-9.6) \end{gathered}$ | $\begin{gathered} 9.3 \\ (8.9-9.7) \end{gathered}$ | $\begin{gathered} 9.6 \\ (9.2-10.1) \end{gathered}$ | $\begin{gathered} 10.0 \\ (9.6-10.4) \end{gathered}$ | $\begin{gathered} 9.4 \\ (9.0-9.8) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.7-9.5) \end{gathered}$ | $\begin{gathered} 9.4 \\ (9.1-9.8) \end{gathered}$ | $\begin{gathered} 9.1 \\ (8.7-9.5) \end{gathered}$ | $\downarrow$ |
| Analgesics | $\begin{gathered} 5.9 \\ (5.5-6.2) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.3-6.0) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.2-5.9) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.2-5.8) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.4-6.1) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.1-5.7) \end{gathered}$ | $\begin{gathered} 5.2 \\ (5.0-5.5) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.9-5.4) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.1-5.7) \end{gathered}$ |  |
| Agents acting on the rennin-angiotensin system | $\begin{gathered} 3.1 \\ (3.0-3.3) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.7) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.6) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.0) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.9-4.5) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.2-4.6) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.1-4.6) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.3-4.8) \end{gathered}$ | $\begin{gathered} 4.2 \\ (4.0-4.5) \end{gathered}$ | $\uparrow$ |
| Psycholeptics | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-3.8) \end{gathered}$ | $\stackrel{3.2}{(3.0-3.4)}$ | $\begin{gathered} 3.4 \\ (3.2-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.6) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.5) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.4) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\downarrow$ |
| Serum lipid reducing agents | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.2) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\stackrel{2.3}{(2.2-2.5)}$ | $\stackrel{2.5}{(2.3-2.6)}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\uparrow$ |
| Psychoanaleptics | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.2) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.4) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.3-2.5) \end{gathered}$ | $\stackrel{2.5}{(2.4-2.7)}$ | $\uparrow$ |
| Drugs for obstructive airway diseases | $\begin{gathered} 3.8 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.4) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.7-3.0) \end{gathered}$ | $\stackrel{2.6}{(2.5-2.8)}$ | $\stackrel{2.7}{(2.5-2.8)}$ | $\stackrel{2.5}{(2.4-2.7)}$ | $\stackrel{2.3}{(2.2-2.5)}$ | $\stackrel{2.5}{(2.3-2.6)}$ | $\stackrel{2.4}{(2.2-2.6)}$ | $\downarrow$ |
| Drugs for acid-related disorders | $\begin{aligned} & 1.6 \\ & (1.5-1.7) \end{aligned}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\stackrel{2.0}{(1.8-2.1)}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\stackrel{2.1}{(2.0-2.2)}$ | $\begin{gathered} 2.0 \\ (1.9-2.1) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.1) \end{gathered}$ | $\stackrel{2.1}{(2.0-2.2)}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\uparrow$ |
| Anti-inflammatory and antirheumatic products | $\begin{gathered} 4.0 \\ (3.8-4.2) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\stackrel{3.3}{(3.1-3.5)}$ | $\begin{gathered} 3.3 \\ (3.1-3.4) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\stackrel{2.7}{(2.5-2.8)}$ | $\stackrel{2.4}{(2.3-2.6)}$ | $\stackrel{2.3}{(2.1-2.4)}$ | $\stackrel{2.2}{(2.0-2.3)}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\downarrow$ |
| Drugs used in diabetes | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\uparrow$ |
| Sex hormones and modulators of the genital system | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\downarrow$ |
| Corticosteroids, dermatological preparations | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.1) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\downarrow$ |

Table 9.2a (continued): Distribution of prescribed medications by ATC Level 2 (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| ATC Level 2 | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Antithrombotic agents | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\uparrow$ |
| Calcium channel blockers | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ |  |
| Vaccines | $\begin{gathered} 2.7 \\ (2.4-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.4-2.9) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.5) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.3) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\downarrow$ |
| Beta-blocking agents | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.1-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | - |
| Ophthalmologicals | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.1-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | - |
| Corticosteroids for systemic use | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | - |
| Diuretics | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\downarrow$ |
| Nasal preparations | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\downarrow$ |
| Other nervous system drugs | $\begin{gathered} 0.5 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.2-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | - |
| Drugs used for functional gastrointestinal disorders | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |
| Otologicals | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |
| Cardiac therapy | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |
| Total prescribed medications | $\begin{gathered} 63.9 \\ (62.3-65.4) \end{gathered}$ | $\begin{gathered} 61.3 \\ (59.8-62.9) \end{gathered}$ | $\begin{gathered} 58.2 \\ (56.6-59.8) \end{gathered}$ | $\begin{gathered} 58.8 \\ (57.3-60.3) \end{gathered}$ | $\begin{gathered} 57.3 \\ (55.9-58.7) \end{gathered}$ | $\begin{gathered} 58.7 \\ (57.2-60.3) \end{gathered}$ | $\begin{gathered} 56.1 \\ (54.7-57.4) \end{gathered}$ | $\begin{gathered} 54.5 \\ (53.2-55.8) \end{gathered}$ | $\begin{gathered} 55.9 \\ (54.5-57.2) \end{gathered}$ | $\begin{gathered} 54.4 \\ (52.8-56.0) \end{gathered}$ | $\downarrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change.

[^12]Table 9.2b: Distribution of prescribed medications by ATC Level 2 (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| ATC Level 2 | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Antibacterials for systemic use | $\begin{gathered} 15.4 \\ (14.8-16.0) \end{gathered}$ | $\begin{gathered} 13.9 \\ (13.4-14.4) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.8-13.9) \end{gathered}$ | $\begin{gathered} 13.6 \\ (13.1-14.2) \end{gathered}$ | $\begin{gathered} 14.0 \\ (13.5-14.6) \end{gathered}$ | $\begin{gathered} 14.6 \\ (14.0-15.2) \end{gathered}$ | $\begin{gathered} 14.0 \\ (13.4-14.5) \end{gathered}$ | $\begin{gathered} 13.8 \\ (13.2-14.3) \end{gathered}$ | $\begin{gathered} 14.6 \\ (14.1-15.1) \end{gathered}$ | $\begin{gathered} 14.0 \\ (13.4-14.5) \end{gathered}$ | $\downarrow$ |
| Analgesics | $\begin{gathered} 8.5 \\ (8.0-9.0) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.7-8.5) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.6-8.6) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.6-8.6) \end{gathered}$ | $\begin{gathered} 7.8 \\ (7.4-8.2) \end{gathered}$ | $\begin{gathered} 8.4 \\ (7.9-8.9) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.6-8.4) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.3) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.3) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.7-8.8) \end{gathered}$ |  |
| Agents acting on the rennin-angiotensin system | $\begin{gathered} 4.5 \\ (4.3-4.8) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.7-5.3) \end{gathered}$ | $\begin{gathered} 4.9 \\ (4.6-5.2) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.1-5.8) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.2-5.8) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.7-6.5) \end{gathered}$ | $\begin{gathered} { }^{6.5} \\ (6.1-6.9) \end{gathered}$ | $\begin{gathered} { }^{6.6} \\ (6.2-7.0) \end{gathered}$ | $\begin{gathered} 7.1 \\ (6.7-7.4) \end{gathered}$ | $\begin{gathered} 6.5 \\ (6.1-6.9) \end{gathered}$ | $\uparrow$ |
| Psycholeptics | $\begin{gathered} 5.2 \\ (4.9-5.5) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.8-5.5) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.4-5.0) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.7-5.3) \end{gathered}$ | $\begin{gathered} 4.9 \\ (4.6-5.2) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.6-5.3) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.5-5.1) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.4-5.0) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.7-5.3) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.0-4.6) \end{gathered}$ | $\downarrow$ |
| Lipid modifying agents | $\stackrel{2.4}{(2.2-2.5)}$ | $\stackrel{2.4}{(2.3-2.6)}$ | $\stackrel{2.4}{(2.2-2.6)}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.2) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-4.0) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.8-4.3) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.2) \end{gathered}$ | $\uparrow$ |
| Psychoanaleptics | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.2) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.2) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.5) \end{gathered}$ | $\begin{gathered} 3.1 \\ (3.0-3.3) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.5) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.7) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.6) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.1) \end{gathered}$ | $\uparrow$ |
| Drugs for obstructive airway diseases | $\begin{gathered} 5.5 \\ (5.2-5.9) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.8-5.5) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.3-4.9) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.9-4.4) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.0) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.0) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-4.0) \end{gathered}$ | $\downarrow$ |
| Drugs for acid related disorders | $\stackrel{2.4}{(2.2-2.5)}$ | $\stackrel{2.5}{(2.4-2.7)}$ | $\stackrel{2.5}{(2.4-2.7)}$ | $\stackrel{2.9}{(2.7-3.0)}$ | $\stackrel{2.7}{(2.5-2.9)}$ | $\begin{gathered} 3.1 \\ (2.9-3.2) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.2) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.9-3.2) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.4) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.4) \end{gathered}$ | $\uparrow$ |
| Anti-inflammatory and antirheumatic products | $\begin{gathered} 5.7 \\ (5.5-6.0) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.6-5.1) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.5-5.0) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.2-4.7) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.2) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.5) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.4) \end{gathered}$ | $\downarrow$ |
| Drugs used in diabetes | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\stackrel{1.9}{(1.7-2.1)}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\stackrel{2.5}{(2.2-2.7)}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\stackrel{2.5}{(2.3-2.7)}$ | $\begin{gathered} 2.9 \\ (2.6-3.2) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.9) \end{gathered}$ | $\uparrow$ |
| Sex hormones and modulators of the genital system | $\begin{gathered} 3.9 \\ (3.7-4.1) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.0) \end{gathered}$ | $\begin{gathered} 3.5-3.9) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.7) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.2) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.7-3.3) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.0) \end{gathered}$ | $\stackrel{2.7}{(2.5-2.9)}$ | $\begin{gathered} 2.5 \\ (2.3-2.6) \end{gathered}$ | $\downarrow$ |
| Corticosteroids, dermatological preparations | $\begin{gathered} 3.1 \\ (2.8-3.3) \end{gathered}$ | $\stackrel{2.8}{(2.7-3.0)}$ | $\stackrel{2.6}{(2.5-2.8)}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-2.9) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.4-2.7) \end{gathered}$ | $\stackrel{2.6}{(2.4-2.8)}$ | $\stackrel{2.6}{(2.4-2.7)}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\stackrel{2.4}{(2.2-2.5)}$ | $\downarrow$ |
| Antithrombotic agents | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\stackrel{2.4}{(2.2-2.5)}$ | $\begin{gathered} 2.2 \\ (2.1-2.4) \end{gathered}$ | $\uparrow$ |

Table 9.2b (continued): Distribution of prescribed medications by ATC Level 2 (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| ATC Level 2 | ( $n=99,307$ ) | $(n=96,973)$ | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Calcium channel blockers | $\begin{gathered} 2.3 \\ (2.1-2.5) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ |  |
| Vaccines | $\begin{gathered} 3.8 \\ (3.5-4.2) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.2) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.8-4.5) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.3) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.2-2.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.4-1.9) \end{gathered}$ | $\downarrow$ |
| Beta blocking agents | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ |  |
| Ophthalmologicals | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ |  |
| Corticosteroids for systemic use | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\uparrow$ |
| Diuretics | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\downarrow$ |
| Nasal preparations | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\downarrow$ |
| Other nervous system drugs | $\begin{gathered} 0.7 \\ (0.5-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.8) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ |  |
| Drugs for functional gastrointestinal disorders | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\downarrow$ |
| Otologicals | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\downarrow$ |
| Cardiac therapy | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\downarrow$ |
| Total prescribed medications | $\begin{gathered} 92.3 \\ (89.8-94.7) \end{gathered}$ | $\begin{gathered} 88.0 \\ (85.6-90.4) \end{gathered}$ | $\begin{gathered} 84.3 \\ (81.8-86.9) \end{gathered}$ | $\begin{gathered} 86.0 \\ (83.6-88.5) \end{gathered}$ | $\begin{gathered} 83.4 \\ (81.2-85.6) \end{gathered}$ | $\begin{gathered} 85.8 \\ (83.3-88.4) \end{gathered}$ | $\begin{gathered} 83.3 \\ (81.0-85.5) \end{gathered}$ | $\begin{gathered} 82.4 \\ (80.3-84.6) \end{gathered}$ | $\begin{gathered} 86.4 \\ (84.1-88.6) \end{gathered}$ | $\begin{gathered} 83.4 \\ (80.6-86.2) \end{gathered}$ | $\downarrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change. Note: Cl-confidence interval.
Table 9.3a: Most frequently prescribed medications by CAPS generic (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Generic drug | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | $(n=137,330)$ | $(n=149,088)$ | $(n=136,333)$ | ( $n=145,078$ ) | $(n=149,462)$ | ( $n=155,373$ ) | $\downarrow$ |
| Amoxycillin | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.3-2.6) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | - |
| Paracetamol [plain] | $\begin{gathered} 2.7 \\ (2.5-3.0) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.2) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.5-2.0) \end{gathered}$ | $\downarrow$ |
| Cephalexin | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\uparrow$ |
| Paracetamol/codeine [all] | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\downarrow$ |
| Amoxycillin/potassium clavulanate | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | - |
| Atorvastatin | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\uparrow$ |
| Salbutamol | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\downarrow$ |
| Roxithromycin | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\downarrow$ |
| Oxycodone | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\uparrow$ |
| Metformin | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\uparrow$ |
| Esomeprazole | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\uparrow$ |
| Perindopril | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\uparrow$ |

Table 9.3a (continued): Most frequently prescribed medications by CAPS generic (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | ${ }^{(a)}$ |
| Generic drug | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | $(n=137,330)$ | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Warfarin sodium | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\uparrow$ |
| Temazepam | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\downarrow$ |
| Diazepam | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\downarrow$ |
| Irbesartan | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\uparrow$ |
| Chloramphenicol eye | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | - |
| Tramadol | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\uparrow$ |
| Meloxicam | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\uparrow$ |
| Atenolol | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\downarrow$ |
| Rosuvastatin | N/A | N/A | N/A | N/A | N/A | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\uparrow$ |
| Fluticasone/salmeterol | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\uparrow$ |
| Simvastatin | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\downarrow$ |
| Levonorgestrel/ ethinyloestradiol | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |
| Ramipril | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\uparrow$ |

Table 9.3a (continued): Most frequently prescribed medications by CAPS generic (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Generic drug | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | $(n=149,462)$ | ( $n=155,373$ ) | $\downarrow$ |
| Betamethasone topical | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |
| Irbesartan/ hydrochlorothiazide | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\uparrow$ |
| Generic medications frequently prescribed in previous years |  |  |  |  |  |  |  |  |  |  |  |
| Diclofenac sodium systemic | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |
| Influenza virus vaccine | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\downarrow$ |
| Cefaclor monohydrate | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\downarrow$ |
| Celecoxib | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\downarrow$ |
| Total prescribed medications | $\begin{gathered} 63.9 \\ (62.3-65.4) \end{gathered}$ | $\begin{gathered} 61.3 \\ (59.8-62.9) \end{gathered}$ | $\begin{gathered} 58.2 \\ (56.6-59.8) \end{gathered}$ | $\begin{gathered} 58.8 \\ (57.3-60.3) \end{gathered}$ | $\begin{gathered} 57.3 \\ (55.9-58.7) \end{gathered}$ | $\begin{gathered} 58.7 \\ (57.2-60.3) \end{gathered}$ | $\begin{gathered} 56.1 \\ (54.7-57.4) \end{gathered}$ | $\begin{gathered} 54.5 \\ (53.2-55.8) \end{gathered}$ | $\begin{gathered} 55.9 \\ (54.5-57.2) \end{gathered}$ | $\begin{gathered} 54.4 \\ (52.8-56.0) \end{gathered}$ | $\downarrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and -indicates there was no change.
Table 9.3b: Most frequently prescribed medications by CAPS generic (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Generic drug | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | $(n=101,993)$ | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349)$ | $\downarrow$ |
| Amoxycillin | $\begin{gathered} 3.2 \\ (3.0-3.5) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.8-3.4) \end{gathered}$ | $\begin{gathered} \hline 3.3 \\ (3.0-3.5) \end{gathered}$ | $\begin{gathered} \hline 3.5 \\ (3.2-3.8) \end{gathered}$ | $\begin{gathered} \hline 3.6 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} \hline 3.5 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.5) \end{gathered}$ | - |
| Paracetamol | $\begin{gathered} 3.9 \\ (3.5-4.3) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.8-3.4) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.8-3.5) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.5-3.2) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.4-2.9) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.7-3.3) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.3-2.8) \end{gathered}$ | $\stackrel{2.5}{(2.2-2.7)}$ | $\stackrel{2.3}{(2.1-2.5)}$ | $\begin{gathered} 2.7 \\ (2.3-3.0) \end{gathered}$ | $\downarrow$ |
| Cephalexin | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\stackrel{2.0}{(1.9-2.2)}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\stackrel{2.3}{(2.2-2.5)}$ | $\begin{gathered} 2.4 \\ (2.3-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.6) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\uparrow$ |
| Paracetamol/codeine | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\stackrel{2.2}{(2.1-2.4)}$ | $\stackrel{2.0}{(1.8-2.2)}$ | $\stackrel{2.1}{(1.9-2.3)}$ | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\downarrow$ |
| Amoxycillin/potassium clavulanate | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\stackrel{1.7}{(1.5-1.9)}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | - |
| Atorvastatin | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\uparrow$ |
| Salbutamol | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\downarrow$ |
| Roxithromycin | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | - |
| Oxycodone | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\uparrow$ |
| Metformin | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\uparrow$ |
| Esomeprazole | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\uparrow$ |
| Perindopril | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\uparrow$ |
| Warfarin sodium | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\uparrow$ |

Table 9.3b (continued): Most frequently prescribed medications by CAPS generic (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Generic drug | $\frac{2000-01}{(n=99,307)}$ | 2001-02 $(n=96,973)$ | $\frac{2002-03}{(n=100,987)}$ | $\begin{gathered} 2003-04 \\ (n=98,877) \end{gathered}$ | $\begin{gathered} 2004-05 \\ \hline(n=94,386) \end{gathered}$ | $\frac{2005-06}{(n=101,993)}$ | 2006-07 $(n=91,805)$ | $\frac{2007-08}{(n=95,898)}$ | $2008-09$ $(n=96,688)$ | $\frac{2009-10}{(n=101,349)}$ | $\boldsymbol{\uparrow}_{\downarrow}^{(\mathrm{a})}$ |
| Temazepam | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\downarrow$ |
| Diazepam | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | - |
| Irbesartan | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\uparrow$ |
| Chloramphenicol eye | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | - |
| Tramadol | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.9-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\uparrow$ |
| Meloxicam | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\uparrow$ |
| Atenolol | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | - |
| Rosuvastatin | N/A | N/A | N/A | N/A | N/A | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\uparrow$ |
| Fluticasone/salmeterol | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\uparrow$ |
| Simvastatin | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | - |
| Levonorgestrel/ ethinyloestradiol | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\downarrow$ |
| Ramipril | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\uparrow$ |
| Candesartan cilexetil | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\uparrow$ |

Table 9.3b (continued): Most frequently prescribed medications by CAPS generic (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Generic drug | ( $n=99,307$ ) | $(n=96,973)$ | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Pantoprazole | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\uparrow$ |
| Betamethasone topical | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\downarrow$ |
| Irbesartan/ hydrochlorothiazide | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\uparrow$ |
| Amlodipine | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | - |
| Erythromycin | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ |  |
| Diclofenac sodium systemic | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\downarrow$ |
| Generic medication frequently prescribed in previous years |  |  |  |  |  |  |  |  |  |  |  |
| Influenza virus vaccine | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.2-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.7) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.8-1.3) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.7) \end{gathered}$ | $\downarrow$ |
| Doxycycline | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\downarrow$ |
| Celecoxib | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\downarrow$ |
| Cefaclor monohydrate | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\downarrow$ |
| Total prescribed medications | $\begin{gathered} 92.3 \\ (89.8-94.7) \end{gathered}$ | $\begin{gathered} 88.0 \\ (85.6-90.4) \end{gathered}$ | $\begin{gathered} 84.3 \\ (81.8-86.9) \end{gathered}$ | $\begin{gathered} 86.0 \\ (83.6-88.5) \end{gathered}$ | $\begin{gathered} 83.4 \\ (81.2-85.6) \end{gathered}$ | $\begin{gathered} 85.8 \\ (83.3-88.4) \end{gathered}$ | $\begin{gathered} 83.3 \\ (81.0-85.5) \end{gathered}$ | $\begin{gathered} 82.4 \\ (80.3-84.6) \end{gathered}$ | $\begin{gathered} 86.4 \\ (84.1-88.6) \end{gathered}$ | $\begin{gathered} 83.4 \\ (80.6-86.2) \end{gathered}$ | $\downarrow$ | (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and -indicates there was no change. $\mp$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.

Note: Cl -confidence interval; $\mathrm{N} / \mathrm{A} —$ not applicable (that is, drug was not available at that time).
Table 9.4: Number of repeats for prescribed medications, 2000-01 to 2009-10

|  | Per cent of prescriptions ( $95 \% \mathrm{Cl})^{\text {(a) }}$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Number of repeats | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=84,540$ ) | $\downarrow$ |
| No repeats | $\begin{gathered} 33.0 \\ (31.2-34.8) \end{gathered}$ | $\begin{gathered} 38.3 \\ (36.7-39.4) \end{gathered}$ | $\begin{gathered} 38.0 \\ (36.4-39.6) \end{gathered}$ | $\begin{gathered} 37.8 \\ (36.2-39.3) \end{gathered}$ | $\begin{gathered} 38.5 \\ (36.8-40.2) \end{gathered}$ | $\begin{gathered} 35.9 \\ (34.4-37.5) \end{gathered}$ | $\begin{gathered} 35.2 \\ (33.7-36.7) \end{gathered}$ | $\begin{gathered} 34.5 \\ (33.1-35.9) \end{gathered}$ | $\begin{gathered} 34.0 \\ (32.8-35.2) \end{gathered}$ | $\begin{gathered} 34.2 \\ (32.7-35.7) \end{gathered}$ | § |
| One repeat | $\begin{gathered} 20.3 \\ (19.3-21.4) \end{gathered}$ | $\begin{gathered} 17.6 \\ (16.8-18.3) \end{gathered}$ | $\begin{gathered} 17.7 \\ (16.8-18.6) \end{gathered}$ | $\begin{gathered} 16.6 \\ (15.8-17.3) \end{gathered}$ | $\begin{gathered} 17.6 \\ (16.7-18.4) \end{gathered}$ | $\begin{gathered} 17.6 \\ (16.8-18.4) \end{gathered}$ | $\begin{gathered} 16.4 \\ (15.6-17.1) \end{gathered}$ | $\begin{gathered} 16.8 \\ (16.0-17.6) \end{gathered}$ | $\begin{gathered} 17.1 \\ (16.1-18.0) \end{gathered}$ | $\begin{gathered} 15.9 \\ (15.2-16.6) \end{gathered}$ | $\downarrow$ |
| Two repeats | $\begin{gathered} 15.2 \\ (14.1-16.3) \end{gathered}$ | $\begin{gathered} 13.1 \\ (12.3-14.0) \end{gathered}$ | $\begin{gathered} 12.0 \\ (11.0-13.0) \end{gathered}$ | $\begin{gathered} 11.4 \\ (10.6-12.1) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.0-11.3) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.4-10.9) \end{gathered}$ | $\begin{gathered} 10.5 \\ (9.6-11.4) \end{gathered}$ | $\begin{gathered} 10.2 \\ (9.3-11.1) \end{gathered}$ | $\begin{gathered} 9.7 \\ (9.0-10.3) \end{gathered}$ | $\begin{gathered} 9.6 \\ (8.9-10.3) \end{gathered}$ | $\downarrow$ |
| Three or four repeats | $\begin{gathered} 4.4 \\ (4.0-4.8) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.1-4.9) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.4-5.1) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.7-5.4) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.4-5.2) \end{gathered}$ | $\begin{gathered} 4.5 \\ (3.8-5.2) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.3-5.3) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.0-5.2) \end{gathered}$ | $\begin{gathered} 4.4 \\ (4.0-4.8) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.1-3.9) \end{gathered}$ | $\downarrow$ |
| Five repeats | $\begin{gathered} 26.9 \\ (25.6-28.2) \end{gathered}$ | $\begin{gathered} 26.4 \\ (25.2-27.7) \end{gathered}$ | $\begin{gathered} 27.4 \\ (26.0-28.7) \end{gathered}$ | $\begin{gathered} 29.2 \\ (27.9-30.4) \end{gathered}$ | $\begin{gathered} 28.3 \\ (27.0-29.6) \end{gathered}$ | $\begin{gathered} 31.7 \\ (30.3-33.1) \end{gathered}$ | $\begin{gathered} 33.0 \\ (31.7-34.4) \end{gathered}$ | $\begin{gathered} 33.8 \\ (32.5-35.1) \end{gathered}$ | $\begin{gathered} 34.8 \\ (33.6-36.0) \end{gathered}$ | $\begin{gathered} 35.8 \\ (34.2-37.4) \end{gathered}$ | $\uparrow$ |
| Six or more repeats | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | - |

[^13]
### 9.2 Medications supplied by GPs

Rates of GP-supplied medications per 100 problems managed almost doubled in the 10-year period. Rates rose from 4.8 per 100 problems managed in 2000-01 to 8.9 per 100 in 2009-10 (Table 9.1a). The extrapolated national effect of this change is 9 million more medications supplied directly to the patient by GPs in 2009-10 than in 2000-01. Per 100 encounters, the rate increased from 6.9 to 13.6 between the two data periods (Table 9.1b).
Table 9.5a shows rates per 100 problems managed of individual medications most frequently supplied by GPs between 2000-01 and 2009-10. The majority of these medications were vaccines, and rates for many of these increased significantly over the period. The supply of influenza virus vaccine rose from 0.4 per 100 problems managed in 2000-01 to 2.7 per 100 in 2009-10. The extrapolated national effect of this change is that influenza virus vaccine was supplied 4.3 million more times in 2009-10 than in 2000-01. The move away from prescribing towards GP supply of the vaccine was evident in this significant increase in its supply, which coincided with the significant decrease in its prescribing rate (Table 9.3a). This change follows federal government policy starting in 2001, which made the vaccine available free of charge to all Australians aged 65 years and over, to Aboriginal and Torres Strait Islander people aged 50 years and older, and to younger Aboriginal and Torres Strait Islander persons with health risks. The vaccines can be ordered by the GP directly from the supplier. GP supply of pneumococcal vaccine peaked at 0.6 per 100 problems managed in 2005-06, and was marginally lower in 2009-10, at 0.4 per 100.

### 9.3 Medications advised for over-the-counter purchase

Table 9.6a shows rates per 100 problems managed for the most commonly advised over-the-counter medications at the generic level. Rates for total and individual medications advised for over-the-counter purchase remained steady between 2000-01 and 2009-10.
Table 9.5a: Medications most frequently supplied by GPs (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Generic medication | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | $(n=144,674)$ | $(n=137,330)$ | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Influenza virus vaccine | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.8) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.4-3.0) \end{gathered}$ | $\uparrow$ |
| Pneumococcal vaccine | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | § |
| Triple antigen (diphtheria/ pertussis/tetanus) | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Mumps/measles/rubella vaccine | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Vitamin B12 (Cobalamin) | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Diptheria/pertussis/ tetanus/hepatitis B/ polio/Hib vaccine | N/A | N/A | N/A | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Polio vaccine oral sabin/injection | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | - |
| Haemophilus B vaccine | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | - |
| Papillomavirus vaccine | N/A | N/A | N/A | N/A | N/A | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | § |
| Rotavirus vaccine | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\uparrow$ |
| Total GP-supplied medications | $\begin{gathered} 4.8 \\ (4.1-5.4) \end{gathered}$ | $\begin{gathered} 5.3 \\ (4.6-6.1) \end{gathered}$ | $\begin{gathered} 6.4 \\ (5.5-7.3) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.2-6.5) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.0-6.0) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.6-6.5) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.5-6.5) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.3-7.1) \end{gathered}$ | $\begin{gathered} 7.1 \\ (6.6-7.6) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.3-9.5) \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates no change. $\mp$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 problems managed.
Table 9.5b: Medications most frequently supplied by GPs (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Generic medication | ( $n=99,307$ ) | $(n=96,973)$ | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Influenza virus vaccine | $\begin{gathered} 0.6 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.1) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.9) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.3-1.8) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.6-2.3) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.2-1.7) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.7) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.7-4.6) \end{gathered}$ | $\uparrow$ |
| Pneumococcal vaccine | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\uparrow$ |
| Triple antigen (diphtheria/ pertussis/tetanus) | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\uparrow$ |
| Mumps/measles/rubella vaccine | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Vitamin B12 (Cobalamin) | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Diptheria/pertussis/ tetanus/hepatitis B/ polio/Hib vaccine | N/A | N/A | N/A | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Polio vaccine oral sabin/injection | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | - |
| Haemophilus B vaccine | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | - |
| Papillomavirus vaccine | N/A | N/A | N/A | N/A | N/A | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | § |
| Rotavirus vaccine | N/A | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Total GP supplied medications | $\begin{gathered} 6.9 \\ (5.9-7.9) \end{gathered}$ | $\begin{gathered} 7.6 \\ (6.6-8.7) \end{gathered}$ | $\begin{gathered} 9.3 \\ (8.0-10.6) \end{gathered}$ | $\begin{gathered} 8.6 \\ (7.6-9.6) \end{gathered}$ | $\begin{gathered} 8.1 \\ (7.3-8.8) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.2-9.5) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.6) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.5-10.7) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.2-11.8) \end{gathered}$ | $\begin{gathered} 13.6 \\ (12.7-14.6) \end{gathered}$ | $\uparrow$ |

[^14] $\mp$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.
Table 9.6a: Most frequently advised over-the-counter medications (rate per 100 problems), 2000-01 to 2009-10

| Generic drug | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  | $\stackrel{\uparrow^{(a)}}{(a)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) |  |
| Paracetamol | $\begin{gathered} 1.6 \\ (1.4-1.9) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.5-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.4-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ |  |
| Ibuprofen | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ |  |
| Sodium chloride topical nasal | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\uparrow$ |
| Loratadine | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ |  |
| Diclofenac topical | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | - |
| Sodium/potassium/citric/ glucose | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | - |
| Saline bath/solution/ gargle | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | - |
| Clotrimazole topical | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | - |
| Fexofenadine | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | - |
| Paracetamol/codeine | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | - |
| Total advised medications | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | $\begin{gathered} 7.0 \\ (6.4-7.6) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.1-7.2) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.3-7.5) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.2-7.2) \end{gathered}$ | $\begin{gathered} 6.3 \\ (5.8-6.8) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6.2-7.2) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.3-6.1) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.7-6.7) \end{gathered}$ | - |

[^15]Table 9.6b: Most frequently advised over-the-counter medications (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Generic medication | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Paracetamol | $\begin{gathered} 2.4 \\ (2.0-2.7) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.2-2.9) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.1-2.8) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.2-2.8) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.1-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.2-2.9) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.6) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.2-2.8) \end{gathered}$ |  |
| Ibuprofen | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.8) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | - |
| Sodium chloride topical nasal | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Loratadine | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | - |
| Diclofenac topical | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ |  |
| Sodium/potassium/citric/ glucose | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | - |
| Saline bath/solution/gargle | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | - |
| Clotrimazole topical | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\downarrow$ |
| Fexofenadine | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | - |
| Paracetamol/codeine | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\downarrow$ |
| Total advised medications | $\begin{gathered} 9.0 \\ (8.2-9.7) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.2-9.6) \end{gathered}$ | $\begin{gathered} 10.2 \\ (9.3-11.1) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.0-10.5) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.2-10.9) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.0-10.5) \end{gathered}$ | $\begin{gathered} 9.4 \\ (8.7-10.1) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.3-10.9) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.3-9.4) \end{gathered}$ | $\begin{gathered} 9.5 \\ (8.7-10.3) \end{gathered}$ | - |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow \uparrow \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and -indicates there was no change. $\mp$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.

## 10 Other treatments

This chapter includes data about the other (non-pharmacological) treatments provided in general practice from each of the 10 years of the BEACH study from 2000-01 to 2009-10. Other treatments included all clinical and procedural treatments provided. These groups are defined in Appendix 4. The survey form allowed GPs to record up to two other treatments for each problem managed at the encounter. Between 2005-06 and 2009-10 the GPs were also asked to indicate using a tick box whether the treatment was provided by a practice nurse. In this chapter all 'other treatments' are reported, irrespective of whether they were done by the GP or by the practice nurse. That is, the non-pharmacological management provided in general practice patient encounters is described, rather than management provided specifically by the GP. Treatments provided by the practice nurse are reported separately in Chapter 13.
Routine clinical measurements or observations, such as measurements of blood pressure and physical examinations, were not included between 2000-01 and 2004-05. With the inclusion of practice nurse activities in BEACH since 2005-06, clinical observations have been recorded, but only when done by the practice nurse.
Other treatments data for the 10 years, 2000-01 to 2009-10, are reported in two ways in this chapter: as rates per 100 problems managed (for example, Table 10.1a) and as rates per 100 encounters (for example, Table 10.1b). In describing data over time, the rates per 100 problems are reported as the primary measure, because there has been a significant increase in the number of problems managed per encounter. In previous publications, rates per 100 encounters were used when describing GPs' management actions during the most recent 10 years. The tables with rates per 100 encounters are therefore included for consistency with previously published reports.
The direction and type of change from 2000-01 to 2009-10 is indicated for each result in the far right column of the tables: $\uparrow / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal change, and - indicates there was no change.
Significant linear changes can be extrapolated to estimate the national increase or decrease in the other treatments provided between 2000-01 and 2009-10. An example of an extrapolated change is given for each table when relevant. The method used to extrapolate to national change estimates is described in Section 2.8.

### 10.1 Clinical treatments

Overall, there was a decline in the rate of clinical treatments provided for the management of patient problems in general practice between 2000-01 and 2009-10 (Table 10.1a), from 25.8 per 100 problems managed to 22.8 per 100 . This result was also reflected in the rates of specific types of clinical treatments.

- Advice and education about treatment decreased from 4.1 to 2.6 per 100 problems (Table 10.1a).
- Counselling and advice about nutrition and weight decreased from 3.9 to 2.4 per 100 problems (Table 10.1a). When the decrease per 100 encounters is extrapolated to encounters across Australia, this equates to 1.3 million fewer occasions at which
counselling and advice about nutrition and weight were given in 2009-10 than in 2000-01 (Table 10.1b).
- Counselling and advice about exercise nearly halved, from 1.5 to 0.8 per 100 problems (Table 10.1a), equating to 810,000 fewer encounters at which counselling and advice about exercise was given in 2009-10 than in 2000-01 (Table 10.1b). These results are concerning given that over the same time period the proportion of adults (aged 18 years and over) with a BMI in the obese range increased from $20.2 \%$ to $25.9 \%$ (see Section 14.1).
- There was a significant increase in the rate at which other administration/ documentation was recorded, from 1.0 per 100 problems in 2000-01 to 1.3 per 100 in 2009-10 (Table 10.1a).
There was no overall change in the rate of sickness certificates provided by GPs over the decade. However, there were changes during this period. Sickness certificates significantly increased from 0.8 per 100 problems managed in 2000-01 to 1.2 and then to 1.3 per 100 in 2008-09. However in 2009-10 there was a marginal decrease from 1.3 to 0.9 per 100 problems managed (Table 10.1a). In 2006, changes to Australian industrial relations legislation were made that allow registered health practitioners who are not medical practitioners to provide patients with sickness certificates ${ }^{55}$, and in 2008 the Pharmaceutical Society of Australia and the Pharmacy Guild of Australia released guidelines to pharmacists for provision of sickness certificates. ${ }^{56}$ It is possible that the recent decrease reported may be due to GPs and other medical practitioners (doctors) no longer being the sole providers of sickness certificates.
There were significant decreases in the rates at which clinical treatments were used in the management of hypertension and gastroenteritis, and increases in the use of clinical treatments for tobacco abuse and test results (Table 10.2). This equated to an additional 280,000 consultations at which clinical treatments were given in the management of tobacco abuse in 2009-10 than a decade previously.


### 10.2 Procedures

Overall, the rate at which procedures were performed in the management of patient problems increased between 2000-01 and 2009-10, from 8.4 per 100 problems to 11.4 per 100 problems (Table 10.3a). This increase was reflected in the rates of specific types of procedures. The rate at which local injections were provided rose from 0.1 to 1.6 per 100 problems. As a group, dressings/pressure/compression/tamponade also rose, from 1.2 to 1.6 per 100 problems.

In contrast, the rate at which physical medicine/rehabilitation was provided fell from 1.4 per 100 problems in 2000-01 to 0.8 per 100 problems in 2009-10 (Table 10.1a).
When considered as a rate per 100 encounters, the increase in location injections (not including injections for immunisations) from 0.2 per 100 encounters in 2000-01 to 2.5 per 100 encounters in 2009-10 extrapolates to an estimated 2.7 million additional local injections given in 2009-10 than in 2000-01. There were an additional 990,000 occasions in 2009-10 where dressings/pressure/compression/tamponade were undertaken than in 2000-01 (Table 10.3b).
Several changes were apparent in the most common problems managed with a procedure (Table 10.4). Procedures were performed more often during general check-ups in 2009-10 than in 2000-01, increasing from 0.2 per 100 contacts in 2000-01 to 0.5 per 100 contacts in 2009-10. This equates to an additional 380,000 procedures performed during general check-ups in 2009-10 than a decade earlier.
Table 10.1a: The most frequent clinical treatments (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | (a) |
| Treatment | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | $(n=137,330)$ | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Advice/education* | $\begin{gathered} \hline 4.0 \\ (3.6-4.4) \end{gathered}$ | $\begin{gathered} 4.4 \\ (3.9-4.9) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.2-5.3) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.2-5.2) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.3-5.2) \end{gathered}$ | $\begin{gathered} 3.3 \\ (2.8-3.7) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.4-4.4) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.2-5.3) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.5-4.4) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.5-4.6) \end{gathered}$ | - |
| Counselling—problem* | $\begin{gathered} 2.3 \\ (2.1-2.6) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.8-3.7) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.3-4.2) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.8-3.6) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.5-3.3) \end{gathered}$ | $\begin{gathered} 3.3 \\ (2.8-3.7) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.5-3.4) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.5-3.2) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.1-2.8) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.4-3.2) \end{gathered}$ | § |
| Advice/educationtreatment* | $\begin{gathered} 4.1 \\ (3.6-4.5) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.2-3.9) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.3) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.6-3.3) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.8-3.5) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.4) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.6) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.2-3.0) \end{gathered}$ | $\downarrow$ |
| Counselling/advicenutrition/weight* | $\begin{gathered} 3.9 \\ (3.5-4.2) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.1) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.2-4.0) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.5) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.3-4.0) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.2-2.7) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.5) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.5-3.0) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.9) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.7) \end{gathered}$ | $\downarrow$ |
| Counsellingpsychological* | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.0-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1-2.4) \end{gathered}$ | - |
| Advice/educationmedication* | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.5) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | § |
| Other administration/ document* | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\uparrow$ |
| Reassurance, support | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.1) \end{gathered}$ | - |
| Sickness certificate* | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | § |
| Counselling/adviceexercise* | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\downarrow$ |
| Counselling/advicesmoking* | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\downarrow$ |
| Total clinical treatments | $\begin{gathered} 25.8 \\ (24.4-27.1) \end{gathered}$ | $\begin{gathered} 26.5 \\ (25.2-27.9) \end{gathered}$ | $\begin{gathered} 25.7 \\ (24.2-27.1) \end{gathered}$ | $\begin{gathered} 25.0 \\ (23.6-26.4) \end{gathered}$ | $\begin{gathered} 27.0 \\ (25.6-28.3) \end{gathered}$ | $\begin{gathered} 20.0 \\ (18.8-21.2) \end{gathered}$ | $\begin{gathered} 19.9 \\ (18.7-21.1) \end{gathered}$ | $\begin{gathered} 22.8 \\ (21.6-24.1) \end{gathered}$ | $\begin{gathered} 22.0 \\ (20.8-23.2) \end{gathered}$ | $\begin{gathered} 22.8 \\ (21.3-24.3) \end{gathered}$ | $\downarrow$ |

[^16]Table 10.1b: The most frequent clinical treatments (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Treatment | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | $(n=94,386)$ | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Advice/education* | $\begin{gathered} 5.8 \\ (5.2-6.4) \end{gathered}$ | $\begin{gathered} 6.3 \\ (5.6-7.0) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.1-7.7) \end{gathered}$ | $\begin{gathered} 6.8 \\ (6.1-7.6) \end{gathered}$ | $\begin{gathered} 7.0 \\ (6.3-7.7) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.1-5.4) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.0-6.5) \end{gathered}$ | $\begin{gathered} \hline 7.2 \\ (6.3-8.1) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.4-6.9) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.3-7.1) \end{gathered}$ | - |
| Counselling-problem* | $\begin{gathered} 3.4 \\ (3.0-3.8) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.0-5.3) \end{gathered}$ | $\begin{gathered} 5.5 \\ (4.8-6.1) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.1-5.3) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.6-4.7) \end{gathered}$ | $\stackrel{4.8}{(4.1-5.4)}$ | $\begin{gathered} 4.4 \\ (3.7-5.0) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.8-4.9) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.3-4.4) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.7-5.0) \end{gathered}$ | - |
| Advice/educationtreatment | $\begin{gathered} 5.9 \\ (5.3-6.5) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.6-5.6) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.8-4.7) \end{gathered}$ | $\begin{gathered} 4.4 \\ (3.8-4.9) \end{gathered}$ | $\stackrel{4.6}{(4.1-5.0)}$ | $\begin{gathered} 3.1 \\ (2.6-3.5) \end{gathered}$ | $\stackrel{2.8}{(2.5-3.1)}$ | $\begin{gathered} 3.5 \\ (3.1-3.8) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.1-4.0) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.3-4.5) \end{gathered}$ | $\downarrow$ |
| Counselling/advicenutrition/weight* | $\begin{gathered} 5.6 \\ (5.0-6.1) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.0-5.9) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.7-5.8) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.2-5.1) \end{gathered}$ | $\begin{gathered} 5.3 \\ (4.8-5.8) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.2-4.0) \end{gathered}$ | $\begin{aligned} & (3.0-3.7) \\ & \hline \end{aligned}$ | $\begin{gathered} 4.2 \\ (3.8-4.6) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.6-4.5) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-4.1) \end{gathered}$ | $\downarrow$ |
| Counsellingpsychological* | $\begin{gathered} 2.8 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.8-3.5) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.5) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.3) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.4) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.5) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | $\uparrow$ |
| Advice/educationmedication* | $\begin{gathered} \stackrel{2.6}{(2.3-2.9)} \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.1) \end{gathered}$ | $\stackrel{2.5}{(2.2-2.7)}$ | $\begin{gathered} 3.4 \\ (3.1-3.7) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.0-3.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\stackrel{2.0}{(1.8-2.2)}$ | $\stackrel{2.3}{(2.1-2.6)}$ | $\stackrel{2.4}{(2.2-2.6)}$ | - |
| Other administration/ document* | $\begin{gathered} 1.5 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\uparrow$ |
| Sickness certificate* | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.9) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.3-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.4-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.6-2.2) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | § |
| Reassurance, support | $\begin{gathered} 1.5 \\ (1.3-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.8) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.1-1.7) \end{gathered}$ | - |
| Counselling/adviceexercise* | $\begin{gathered} 2.2 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.3) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.6-2.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\downarrow$ |
| Counselling/advicesmoking* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | - |
| Counselling/adviceprevention* | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\uparrow$ |
| Counselling/advicelifestyle* | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.7) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.7) \end{gathered}$ | $\uparrow$ |

Table 10.1b (continued): The most frequent clinical treatments (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 |  |  |  |  |  | ${ }^{\text {(a) }}$ |
| Treatment | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Counselling/advicealcohol* | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | - |
| Family planning* | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | - |
| Observe/wait* | $\begin{gathered} 0.7 \\ (0.4-1.0) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\downarrow$ |
| Counselling/advicehealth/body* | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | - |
| Counselling/advicepregnancy* | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Counselling/adviceSTDs* | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\uparrow$ |
| Counselling/advicerelaxation* | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\downarrow$ |
| Counselling/advicerelationship* | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\downarrow$ |
| Counselling/advice-drug abuse* | $\begin{gathered} 0.3 \\ (0.2-0.5) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\downarrow$ |
| Total clinical treatments | $\begin{gathered} 37.2 \\ (35.1-39.3) \end{gathered}$ | $\begin{gathered} 38.1 \\ (36.1-40.1) \end{gathered}$ | $\begin{gathered} 37.2 \\ (35.0-39.4) \\ \hline \end{gathered}$ | $\begin{gathered} 36.6 \\ (34.5-38.7) \end{gathered}$ | $\begin{gathered} 39.2 \\ (37.1-41.4) \end{gathered}$ | $\begin{gathered} 29.2 \\ (27.3-31.1) \end{gathered}$ | $\begin{gathered} 29.5 \\ (27.6-31.4) \end{gathered}$ | $\begin{gathered} 34.5 \\ (32.5-36.5) \end{gathered}$ | $\begin{gathered} 34.0 \\ (32.1-35.9) \end{gathered}$ | $\begin{gathered} 35.0 \\ (32.6-37.4) \end{gathered}$ | - |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\boldsymbol{\uparrow} / \boldsymbol{\downarrow}$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, $\S$ indicates a non-linear significant or marginal change, and - indicates there was no change.
Includes multiple ICPC-2 or ICPC-2 PLUS codes (see Appendix 4).
Note: CI-confidence interval; STD-sexually transmitted disease.
Table 10.2: The most common problems managed with a clinical treatment, 2000-01 to 2009-10

|  | Rate at which a clinical treatment was given, per 100 contacts ${ }^{(a)}(95 \% \mathrm{CI})$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Problem managed | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Depression* | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | - |
| Upper respiratory tract infection | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.2) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.5-2.0) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.3-1.8) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.6) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.6-2.0) \end{gathered}$ | $\stackrel{1.7}{(1.5-1.9)}$ | $(1.9$ | - |
| Hypertension* | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\stackrel{1.3}{(1.2-1.5)}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\downarrow$ |
| Diabetes-all* | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | - |
| Lipid disorders* | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | - |
| Anxiety* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | - |
| Gastroenteritis* | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\downarrow$ |
| Test results* | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\uparrow$ |
| Back complaint* | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | - |
| Tobacco abuse | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\uparrow$ |
| Immunisation-all* | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | - |
| Sprain/strain* | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\downarrow$ |
| Osteoarthritis* | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | - |

Table 10.2 (continued): The most common problems managed with a clinical treatment, 2000-01 to 2009-10

|  | Rate at which a clinical treatment was given, per 100 contacts ${ }^{(a)}(95 \% \mathrm{CI})$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 |  |  |
| Problem managed | ( $n=99,307$ ) | ( $n=96,973$ ) | $(n=100,987)$ | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| General check-up* | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\uparrow$ |
| Obesity | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | - |
| Acute stress reaction | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | - |
| Viral disease, other/NOS | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\downarrow$ |
| Asthma | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\downarrow$ |
| Acute bronchitis/ bronchiolitis | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | - |
| Pregnancy* | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\uparrow$ |
| Total problems with clinical treatments | $\begin{gathered} 32.8 \\ (31.1-34.5) \end{gathered}$ | $\begin{gathered} 33.6 \\ (31.9-35.2) \\ \hline \end{gathered}$ | $\begin{gathered} 32.8 \\ (31.0-34.7) \end{gathered}$ | $\begin{gathered} 32.4 \\ (30.7-34.2) \end{gathered}$ | $\begin{gathered} 34.4 \\ (32.6-36.2) \end{gathered}$ | $\begin{gathered} 26.7 \\ (25.1-28.3) \\ \hline \end{gathered}$ | $\begin{gathered} 26.8 \\ (25.1-28.4) \end{gathered}$ | $\begin{gathered} 31.2 \\ (29.5-33.0) \end{gathered}$ | $\begin{gathered} 30.9 \\ (29.2-32.5) \end{gathered}$ | $\begin{gathered} 31.5 \\ (29.5-33.5) \\ \hline \end{gathered}$ | - |

[^17]Table 10.3a: The most frequent procedural treatments (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 contacts ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Treatment | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | $(n=149,088)$ | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Excision/removal tissue/ biopsy/destruction/ debridement/cauterisation* | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.4) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.5) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.0-2.5) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.8-2.1) \end{gathered}$ | - |
| Local injection/ infiltration ${ }^{*(b)}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\uparrow$ |
| Dressing/pressure/ compression/tamponade* | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.3-1.5) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\uparrow$ |
| Incision/drainage/flushing/ aspiration/removal body fluid* | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\uparrow$ |
| Physical medicine/ rehabilitation* | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.6) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\downarrow$ |
| Pap smear* | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\uparrow$ |
| Other therapeutic procedures/surgery NEC* | $\begin{gathered} 0.8 \\ (0.6-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-1.1) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.2-1.0) \end{gathered}$ | - |
| Repair/fixation-suture/ cast/prosthetic device (apply/remove)* | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\downarrow$ |
| Check-up-practice nurse* | N/A | N/A | N/A | N/A | N/A | N/A | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.2-0.7) \end{gathered}$ | $\uparrow$ |
| Electrical tracings* | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| International normalised ratio test | N/A | N/A | N/A | N/A | N/A | N/A | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Other preventive procedures/ high-risk medication* | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |

Table 10.3a (continued): The most frequent procedural treatments (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 contacts ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Treatment | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Physical function test* | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | - |
| Urine test ${ }^{*}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | - |
| Other diagnostic procedures* | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\uparrow$ |
| Total procedural treatments | $\begin{gathered} 8.4 \\ (8.0-8.9) \end{gathered}$ | $\begin{gathered} 9.6 \\ (9.1-10.1) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.6-10.6) \end{gathered}$ | $\begin{gathered} 10.1 \\ (9.6-10.6) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.0-11.3) \end{gathered}$ | $\begin{gathered} 9.9 \\ (9.4-10.3) \end{gathered}$ | $\begin{gathered} 10.2 \\ (9.7-10.7) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.5-11.6) \\ \hline \end{gathered}$ | $\begin{gathered} 10.8 \\ (10.4-11.3) \\ \hline \end{gathered}$ | $\begin{gathered} 11.4 \\ (10.8-12.1) \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change $\uparrow / \downarrow$ indicates a marginal change and - indicates there was no change, (b) Excludes all local injection/infiltrations performed for immunisations.
$\mp \quad$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.
Table 10.3b: The most frequent procedural treatments (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Treatment | $2000-01$ $(n=99,307)$ | $2001-02$ $(n=96,973)$ | $\begin{gathered} 2002-03 \\ (n=100,987) \end{gathered}$ | $\begin{gathered} 2003-04 \\ \hline(n=98,877) \end{gathered}$ | $\begin{gathered} 2004-05 \\ \hline(n=94,386) \end{gathered}$ | $\frac{2005-06}{(n=101,993)}$ | $\begin{gathered} 2006-07 \\ \hline(n=91,805) \end{gathered}$ | $\begin{gathered} 2007-08 \\ \hline(n=95,898) \end{gathered}$ | $\begin{gathered} 2008-09 \\ \hline(n=96,688) \end{gathered}$ | $\begin{gathered} 2009-10 \\ (n=101,349) \end{gathered}$ | $\stackrel{\boldsymbol{T}^{(a)}}{\downarrow}$ |
| Excision/removal tissue/ biopsy/destruction/ debridement/cauterisation* | $\begin{gathered} 2.6 \\ (2.4-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-3.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.1) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.7-3.6) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.7-3.2) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.7) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.1-3.8) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.5) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.7-3.2) \end{gathered}$ |  |
| Local injection/ infiltration ${ }^{*(b)}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.4) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.8) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.2) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\uparrow$ |
| Dressing/pressure/ compression/tamponade* | $\begin{gathered} 1.8 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.3) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\uparrow$ |
| Incision/drainage/flushing/ aspiration/removal body fluid* | $\begin{gathered} 1.1 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.5) \end{gathered}$ | $\uparrow$ |
| Physical medicine/ rehabilitation* | $\begin{gathered} 2.0 \\ (1.8-2.3) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.8-2.4) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.3) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.5) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.5) \end{gathered}$ | $\downarrow$ |
| Pap smear* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.2) \end{gathered}$ | $\uparrow$ |
| Other therapeutic procedures/surgery NEC* | $\begin{gathered} 1.1 \\ (0.9-1.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2-1.7) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.5) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.4-1.6) \end{gathered}$ | - |
| Repair/fixation-suture/ cast/prosthetic device (apply/remove)* | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | - |
| Check-up-practice nurse* | N/A | N/A | N/A | N/A | N/A | N/A | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.2-0.5) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.3-1.0) \end{gathered}$ | $\uparrow$ |
| Electrical tracings* | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\uparrow$ |
| International normalised ratio test | N/A | N/A | N/A | N/A | N/A | N/A | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.7) \end{gathered}$ | $\uparrow$ |
| Other preventive procedures/ high-risk medication | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\uparrow$ |

Table 10.3b (continued): The most frequent procedural treatments (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | $\boldsymbol{1}^{(a)}$ |
| Treatment | ( $n=99,307$ ) | ( $n=96,973$ ) | $(n=100,987)$ | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Physical function test* | $\begin{gathered} 0.5 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | - |
| Urine test* | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Pregnancy test* | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | - |
| Glucose test* | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\downarrow$ |
| Other diagnostic procedures* | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Total procedural treatments | $\begin{gathered} 12.2 \\ (11.6-12.8) \end{gathered}$ | $\begin{gathered} 13.8 \\ (13.1-14.5) \end{gathered}$ | $\begin{gathered} 14.6 \\ (13.9-15.3) \end{gathered}$ | $\begin{gathered} 14.7 \\ (14.0-15.5) \end{gathered}$ | $\begin{gathered} 15.5 \\ (14.6-16.4) \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.7-15.1) \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.4-16.0) \end{gathered}$ | $\begin{gathered} 16.7 \\ \text { (15.9-17.5) } \end{gathered}$ | $\begin{gathered} 16.7 \\ (16.0-17.5) \end{gathered}$ | $\begin{gathered} 17.5 \\ (16.5-18.6) \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change
${ }_{\text {* }}^{\text {(b) }}$ Excludes all local injection/infiltrations performed for immunisations.
F Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.
Table 10.4: The most common problems managed with a procedural treatment, 2000-01 to 2009-10

|  | Rate at which a procedural treatment was given, per 100 contacts ${ }^{(2)}(95 \% \mathrm{Cl})$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Problem managed | 2000-01 $(n=99,307)$ | 2001-02 $(n=96,973)$ | $\frac{2002-03}{(n=100.987)}$ | $\begin{gathered} 2003-04 \\ \hline(n=98.877) \end{gathered}$ | $\begin{gathered} 2004-05 \\ \hline(n=94.386) \end{gathered}$ | $\frac{2005-06}{(n=101.993)}$ | $\begin{gathered} 2006-07 \\ \hline(n=91.805) \end{gathered}$ | $\begin{gathered} 2007-08 \\ \hline(n=95.898) \end{gathered}$ | $\begin{gathered} 2008-09 \\ (n=96,688) \end{gathered}$ | $\frac{2009-10}{(n=101.349)}$ | $\uparrow^{(b)}$ |
| Female genital check-up/ Pap smear* | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\uparrow$ |
| Solar keratosis/sunburn | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | - |
| Laceration/cut | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\uparrow$ |
| Excessive ear wax | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | - |
| Malignant neoplasm skin | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\uparrow$ |
| Chronic ulcer skin (including varicose ulcer) | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\uparrow$ |
| General check-up* | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\uparrow$ |
| Warts | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | - |
| Sprain/strain* | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.5) \end{gathered}$ | - |
| Back complaint* | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.5) \end{gathered}$ | - |
| Osteoarthritis* | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.1-0.6) \end{gathered}$ | - |
| Atrial fibrillation/flutter | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\uparrow$ |
| Skin symptom/complaint, other | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |

Table 10.4 (continued): The most common problems managed with a procedural treatment, 2000-01 to 2009-10

|  | Rate at which a procedural treatment was given, per 100 contacts ${ }^{(a)}(95 \% \mathrm{Cl})$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Problem managed | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Skin disease, other | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Vitamin/nutritional deficiency | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Skin infection, post traumatic | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Total problems with procedural treatments | $\begin{gathered} 11.5 \\ (10.9-12.1) \end{gathered}$ | $\begin{gathered} 13.1 \\ (12.4-13.7) \end{gathered}$ | $\begin{gathered} 13.6 \\ (13.0-14.3) \end{gathered}$ | $\begin{gathered} 13.7 \\ (13.1-14.4) \end{gathered}$ | $\begin{gathered} 14.3 \\ (13.5-15.0) \end{gathered}$ | $\begin{gathered} 13.6 \\ (12.9-14.2) \end{gathered}$ | $\begin{gathered} 14.3 \\ (13.6-15.0) \end{gathered}$ | $\begin{gathered} 15.6 \\ (14.9-16.4) \end{gathered}$ | $\begin{gathered} 15.6 \\ (15.0-16.3) \end{gathered}$ | $\begin{gathered} 16.4 \\ (15.4-17.3) \end{gathered}$ | $\uparrow$ |

[^18]
## 11 Referrals and admissions

A referral is defined as the process by which the responsibility for part or all of the care of a patient is temporarily transferred to another health care provider. Only new referrals arising at the encounter were included (that is, continuations were not recorded). For each encounter, GPs could record up to two referrals, and each referral was linked by the GP to the problem(s) for which the patient was referred. Referrals included those to specialists, allied health professionals, hospitals for admission, emergency departments or other medical services. Referrals to hospital outpatient clinics and other GPs were classified as referrals to other medical services.
This chapter includes data about the referrals and admissions from each of the 10 years of the BEACH study from 2000-01 to 2009-10. The direction and type of change from 2000-01 to 2009-10 is indicated for each result in the far right column of the tables: $\uparrow / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, § indicates a non-linear significant or marginal change, and - indicates there was no change. Significant linear changes can be extrapolated to estimate the national increase or decrease in GP referrals and admissions between 2000-01 and 2009-10. An example of an extrapolated change is given for each table when relevant. The method used to extrapolate to national change estimates is described in Section 2.8 .
Referral data for the 10 years, 2000-01 to 2009-10, are reported in two ways in this chapter: as rates per 100 problems managed (Table 11.1a) and as rates per 100 encounters (Table 11.1b). In describing data over time, the rates per 100 problems are reported as the primary measure, because there has been a significant increase in the number of problems managed per encounter. In previous publications, rates per 100 encounters were used when describing GPs' management actions during the most recent 10 years. The tables of rates per 100 encounters are therefore included for consistency with previously published reports. The rate of referral increased significantly, from 10.4 per 100 encounters in 2000-01 to 13.3 in 2009-10 (Table 11.1b). This suggests there were approximated 5.1 million more referrals given at GP encounters in 2009-10 than in 2000-01. Table 11.1b also shows that over time there was an increasing likelihood that GP-patient encounters would involve a referral (at $12.4 \%$ of encounters in 2009-10 compared with $9.9 \%$ in 2000-01).
There was a significant increase in the overall number of referrals, from 7.2 per 100 problems managed in 2000-01 to 8.7 in 2009-10 (Table 11.1a). There was a marginal increase in the rate of referrals to medical specialists (per 100 problems). This was reflected in marginal increases in referrals to cardiologists and gastroenterologists.
The rate of referral to an allied health service increased significantly over the decade. The referral rate increased from 1.6 per 100 problems in 2000-01 to 2.6 per 100 in 2009-10. There were significant increases in the rate of referrals to psychologists, podiatrist or chiropodists, and dentists, and marginal increases in the rate of referral to dietitians or nutritionists, and physiotherapists per 100 problems.
In 2009-10 there were no changes in rates of referral/admission to hospitals and emergency departments compared with 2000-01.
Table 11.1a: The most frequent referrals (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Referral | $(n=143,528)$ | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| At least one referral | $\begin{gathered} 7.2 \\ (6.9-7.5) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.6-8.3) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.7-8.2) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.9-8.5) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.5-9.2) \end{gathered}$ | $\begin{gathered} 8.7 \\ (8.4-9.0) \end{gathered}$ | $\uparrow$ |
| Medical specialist | $\begin{gathered} 5.1 \\ (4.9-5.3) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.9-5.3) \end{gathered}$ | $\begin{aligned} & 5.3 \\ & (5.0-5.5) \end{aligned}$ | $\begin{gathered} 5.4 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.5) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.4-5.8) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.2-5.7) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.5) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.6-6.0) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.3-5.7) \end{gathered}$ | $\uparrow$ |
| Surgeon | $\begin{gathered} 0.5 \\ (0.5-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | - |
| Orthopaedic surgeon | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | - |
| Ophthalmologist | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | - |
| Dermatologist | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | - |
| Gastroenterologist | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Cardiologist | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Ear, nose and throat | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | - |
| Gynaecologist | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | - |
| Urologist | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | - |
| Neurologist | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | - |
| Paediatrician | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | - |

Table 11.1a: The most frequent referrals (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | $\uparrow^{(a)}$ |
| Referral | $(n=143,528)$ | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | $(n=137,330)$ | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) |  |
| Psychiatrist | $\begin{gathered} \hline 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\downarrow$ |
| Specialist NOS | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\downarrow$ |
| Neurosurgeon | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\downarrow$ |
| Allied health service | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.0) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.8-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.9-2.2) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\stackrel{2.5}{(2.3-2.7)}$ | $\begin{gathered} 2.6 \\ (2.4-2.7) \end{gathered}$ | $\uparrow$ |
| Physiotherapy | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\uparrow$ |
| Psychologist | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\uparrow$ |
| Podiatrist/chiropodist | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Dentist | $\stackrel{0.1}{(0.1-0.1)}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Dietitian/nutritionist | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\uparrow$ |
| Hospital | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | - |
| Emergency department | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | - |

Table 11.1a (continued): The most frequent referrals (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Referral | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) | $\downarrow$ |
| Other referrals | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Other medical services | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0 . \oplus^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | - |
| Total referrals | $\begin{gathered} 7.2 \\ (7.0-7.5) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.6-8.3) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.7-8.2) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.9-8.5) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.9-8.6) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.9 \\ (8.6-9.2) \end{gathered}$ | $\begin{gathered} 8.7 \\ (8.4-9.0) \end{gathered}$ | $\uparrow$ |
| (a) The direction and type $\mp \quad$ Rates are reported to Note: Cl-confidence interv <br> Table 11.1b: The m | of change from 2000 Nos-not otherm Nos frequent re | 0-01 to 2009-10 This indicates that se specified. <br> ferrals (rate | the rate is <br> per 100 enc | 0.05 per 100 en <br> unters), 2000 | cates a statistically counters. <br> -01 to 2009- | significant chang $10$ | e, $\uparrow / \downarrow$ indicates | marginal change, | and - indicates th | ere was no chang |  |
|  |  |  |  |  | e per 100 enc | ounters (95\% C |  |  |  |  |  |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009- |  |
| Referral | ( $n=99,307$ ) | ( $n=96,973$ ) | $(n=100,987)$ | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| At least one referral | $\begin{gathered} 9.9 \\ (9.6-10.3) \end{gathered}$ | $\begin{gathered} 10.0 \\ (9.6-10.4) \end{gathered}$ | $\begin{gathered} 10.6 \\ (10.2-11.0) \end{gathered}$ | $\begin{gathered} 11.0 \\ (10.5-11.5) \end{gathered}$ | $\begin{gathered} 10.9 \\ (10.5-11.3) \end{gathered}$ | $\begin{gathered} 11.3 \\ (10.9-11.8) \end{gathered}$ | $\begin{gathered} 11.5 \\ (11.0-11.9) \end{gathered}$ | $\begin{gathered} 11.8 \\ (11.3-12.2) \end{gathered}$ | $\begin{gathered} 12.8 \\ (12.3-13.2) \end{gathered}$ | $\begin{gathered} 12.4 \\ (11.9-12.9) \end{gathered}$ | $\uparrow$ |
| Medical specialist | $\begin{gathered} 7.3 \\ (7.0-7.7) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.6 \\ (7.3-8.0) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.2) \end{gathered}$ | $\begin{gathered} 7.7 \\ (7.4-8.0) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.8-8.5) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.7-8.4) \end{gathered}$ | $\begin{gathered} 8.0 \\ (7.6-8.3) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.7-9.3) \end{gathered}$ | $\begin{gathered} 8.4 \\ (8.1-8.8) \end{gathered}$ | $\uparrow$ |
| Surgeon | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | - |
| Orthopaedic surgeon | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.8) \end{gathered}$ | $\uparrow$ |
| Ophthalmologist | $\begin{gathered} 0.6 \\ (0.6-0.7) \\ \hline \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \\ \hline \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \\ \hline \end{gathered}$ | - |

Table 11.1b (continued): The most frequent referrals (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 |  |  |  |  |  |
| Referral | $(n=99,307)$ | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | $(n=101,993)$ | $(\boldsymbol{n}=91,805)$ | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Dermatologist | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ |  |
| Gastroenterologist | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\uparrow$ |
| Cardiologist | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\uparrow$ |
| Ear, nose and throat | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | - |
| Gynaecologist | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | - |
| Urologist | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |
| Neurologist | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Paediatrician | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Psychiatrist | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\downarrow$ |
| Allied health service | $\begin{gathered} 2.3 \\ (2.2-2.5) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1-2.4) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.3) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.2) \end{gathered}$ | $\uparrow$ |
| Physiotherapy | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | - |
| Psychologist | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\uparrow$ |
| Podiatrist/chiropodist | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\uparrow$ |

Table 11.1b (continued): The most frequent referrals (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Referral | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) | $\downarrow$ |
| Dentist | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Dietitian/nutritionist | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\uparrow$ |
| Hospital | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\downarrow$ |
| Emergency department | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Other referrals | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\uparrow$ |
| Other medical services | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\uparrow$ |
| Total referrals | $\begin{gathered} 10.4 \\ (10.0-10.8) \end{gathered}$ | $\begin{gathered} 10.5 \\ (10.1-10.9) \end{gathered}$ | $\begin{gathered} 11.2 \\ (10.7-11.6) \end{gathered}$ | $\begin{gathered} 11.6 \\ (11.1-12.2) \end{gathered}$ | $\begin{gathered} 11.5 \\ (11.1-12.0) \end{gathered}$ | $\begin{gathered} 12.0 \\ (11.5-12.5) \end{gathered}$ | $\begin{gathered} 12.2 \\ (11.7-12.7) \end{gathered}$ | $\begin{gathered} 12.5 \\ (12.0-13.0) \end{gathered}$ | $\begin{gathered} 13.7 \\ (13.2-14.2) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.8-13.8) \\ \hline \end{gathered}$ | $\uparrow$ | (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change. $\mp \quad$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.

## 12 Investigations

Investigations data for the 10 years, 2000-01 to 2009-10, are reported in two ways in this chapter: as rates per 100 problems managed (for example, Table 12.1a) and as rates per 100 encounters (for example, Table 12.1b). In describing data over time, the rates per 100 problems are reported as the primary measure, because there has been a significant increase in the number of problems managed per encounter. In previous publications, rates per 100 encounters were used when describing GPs' management during the most recent 10 years. The tables with rates per 100 encounters are therefore included for consistency with previously published reports.
The GPs participating in BEACH were asked to record (in free text) any pathology, imaging or other tests ordered or done at the encounter, and to nominate the patient problem(s) associated with each test order. This allows the linkage of test orders to a single problem or multiple problems. Up to five orders for pathology and two for imaging and other tests could be recorded at each encounter. A single test may have been ordered for the management of multiple problems, and multiple tests may have been used in the management of a single problem.
A pathology test order may be for a single test (for example, Pap smear, HbA1c) or for a battery of tests (for example, lipids, full blood count). Where a battery of tests was ordered, the battery name was recorded rather than each individual test. GPs also recorded the body site for any imaging ordered (for example, x-ray chest, computerised tomography head).
This chapter includes data about the investigations ordered or performed in general practice for each of the 10 years from 2000-01 to 2009-10. The direction and type of change is indicated for each result in the far right column of the tables: $\boldsymbol{\uparrow} / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal change, and - indicates there was no change.
Significant linear changes can be extrapolated to estimate the national increase or decrease in investigations ordered or performed and for pathology and imaging groups between 2000-01 and 2009-10. Examples of extrapolated change are given for each table. The method used to extrapolate to national estimates is described in Section 2.8.
Comprehensive investigation of GPs' pathology and imaging ordering has been published in several reports. Interested readers may wish to consult:

- a comprehensive report on pathology ordering by GPs in Australia in 1998, written by the then General Practice Statistics and Classification Unit using BEACH data, was published on the Internet by the then Department of Health and Aged Care ${ }^{57}$
- a report on imaging orders by GPs in Australia in 1999-00, written by the then General Practice Statistics and Classification Unit using BEACH data, and published by the AIHW and the University of Sydney in 200158
- a report on changes in pathology ordering by GPs from 1998 to 2001, written by the then General Practice Statistics and Classification Unit as an AIHW-University of Sydney book in the GP series in $2003{ }^{59}$
- a review of GP pathology ordering in the National Health Priority Areas and other selected problems between 2000 and 2008, reported in Chapter 5 of the AIHWUniversity of Sydney publication General practice in Australia, health priorities and policies 1998 to 200860
- a report Evidence-practice gap in GP pathology test ordering: a comparison of BEACH pathology data and recommended testing, produced for the Australian Government Quality Use of Pathology Program in June 2009. ${ }^{61}$


### 12.1 Number of problems or encounters where pathology or imaging was ordered

Table 12.1a shows there was a significant increase in the proportion of problems for which pathology and/or imaging was ordered, from $14.7 \%$ in 2000-01 to $17.8 \%$ in 2009-10.

- The likelihood of ordering at least one pathology test increased from $10.6 \%$ of all problems managed in 2000-01 to 13.2\% in 2009-10.
- The proportion of problems generating imaging orders increased from $4.8 \%$ in 2000-01 to $5.7 \%$ in 2009-10.
Between 2000-01 and 2009-10, the number of problems managed per 100 encounters rose from 144.5 to 153.3 (Table 5.1). Both the rise in problems generating test orders and the rise in the number of problems managed per encounter contributed to an overall increase in the proportion of encounters involving a pathology and/or imaging test, from 19.3\% in 2000-01 to $23.8 \%$ in 2009-10 (Table 12.1b). This equates to an increase of almost 8.4 million encounters at which tests were ordered in 2009-10.
- The likelihood of ordering at least one pathology test increased from $13.8 \%$ of encounters in 2000-01 to $17.7 \%$ in 2009-10, which is almost 6.8 million additional encounters at which pathology was ordered in 2009-10.
- The proportion of encounters generating imaging orders increased from $6.8 \%$ in 2000-01 to $8.5 \%$ in $2009-10$, resulting in an estimated 3.1 million more encounters nationally at which imaging was ordered in 2009-10.
Both the likelihood of ordering pathology and the total number of pathology tests ordered per 100 problems or per 100 encounters have significantly increased over the 10 years to 2009-10 (Figure 12.1). However, the growth in the number of tests/batteries ordered has been larger than the growth in likelihood of ordering, because once a decision to order has been made, the number of tests ordered has increased from an average of 1.92 tests/batteries per tested problem to 2.29 .



### 12.2 Pathology test orders by MBS groups

Tables 12.2 a and 12.2 b show the changes in the total number of pathology test orders, and in the distribution of these by MBS pathology groups. ${ }^{62}$
The number of pathology tests ordered increased from 20.5 tests/ batteries of tests per 100 problems managed in 2000-01 to 29.3 per 100 problems in 2009-10 (Table 12.2a).
The largest increase was in orders for chemical pathology, which increased from 10.8 per 100 problems in 2000-01 to 16.9 per 100 in 2009-10. Haematology increased at a slower rate, from 4.0 per 100 problems in 2000-01 to 5.4 in 2009-10. Microbiology test orders increased from 3.2 per 100 problems in 2000-01 to 4.1 in 2009-10. There was a far smaller increase in order rates for immunology, a marginal increase in orders for tissue pathology and simple tests, and no increases in the other test groups.
The number of pathology tests ordered per 100 encounters increased from 29.7 tests / batteries of tests per 100 encounters in 2000-01 to 45.0 in 2009-10, which extrapolates to approximately 22.7 million more test orders in 2009-10 than in 2000-01 nationally (Table 12.2b).
The largest increase was in orders for chemical pathology, which increased from 15.7 per 100 encounters in 2000-01 to 25.9 in 2009-10. This extrapolates to an estimated 14.6 million additional chemistry test orders in 2009-10 than 10 years earlier. Haematology increased at a slower rate, rising from 5.8 tests per 100 encounters in 2000-01 to 8.3 in 2009-10, a national increase of approximately 3.9 million tests. Microbiology test orders increased from 4.6 per 100 encounters in 2000-01 to 6.3 in 2009-10, extrapolating to an increase of about 2.7 million additional test orders in 2009-10. There were far smaller increases in order rates for tissue pathology, immunology and simple tests, and no increases in the other test groups.

### 12.3 Imaging test orders by MBS group

Tables 12.3a and 12.3 b show the changes in imaging orders by imaging group from 2000-01 to 2009-10
Total imaging test orders increased significantly from 5.3 per 100 problems in 2000-01 to 6.4 per 100 in 2009-10 (Table 12.3a). Ultrasound imaging increased from 1.5 tests per 100 problems in 2000-01 to 2.4 per 100 in 2009-10. Computerised tomography increased from 0.5 per 100 problems in 2000-01 to 0.8 in 2009-10. Magnetic resonance imaging increased from less than 0.05 per 100 encounters in 2000-01 to 0.1 in 2009-10. Diagnostic radiology dropped marginally from 3.3 per 100 problems to 3.0 per 100 problems, and nuclear medicine imaging order rates did not change during this period.
Total imaging test orders per 100 encounters also increased significantly from 7.7 in 2000-01 to 9.8 in 2009-10, suggesting a national increase of 3.7 million encounters generating an order for imaging (Table 12.3b). Ultrasound imaging increased from 2.1 tests per 100 encounters in 2000-01 to 3.7 per 100 in 2009-10, a national increase of more than 2.2 million encounters with ultrasound orders. Computerised tomography increased from 0.7 per 100 encounters in $2000-01$ to 1.3 in 2009-10, equating to an additional 810,000 encounters. Magnetic resonance imaging increased from less than 0.05 per 100 encounters in 2000-01 to 0.1 in 2009-10. Diagnostic radiology and nuclear medicine imaging order rates did not change during this period.
Table 12.1a: Problems for which pathology or imaging was ordered (per cent of problems), 2000-01 to 2009-10

|  | Per cent of problems (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Test ordered | $(n=143,528)$ | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | $(n=137,330)$ | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) |  |
| At least one test ordered | $\begin{gathered} 14.7 \\ (14.2-15.1) \end{gathered}$ | $\begin{gathered} 14.9 \\ (14.4-15.3) \end{gathered}$ | $\begin{gathered} 15.8 \\ \text { (15.3-16.2) } \end{gathered}$ | $\begin{gathered} 16.1 \\ (15.6-16.6) \end{gathered}$ | $\begin{gathered} 16.4 \\ (16.0-16.9) \end{gathered}$ | $\begin{gathered} 17.2 \\ (16.6-17.7) \end{gathered}$ | $\begin{gathered} 17.8 \\ (17.3-18.3) \end{gathered}$ | $\begin{gathered} 17.7 \\ (17.2-18.2) \end{gathered}$ | $\begin{gathered} 18.1 \\ (17.6-18.6) \end{gathered}$ | $\begin{gathered} 17.8 \\ (17.3-18.3) \end{gathered}$ | $\uparrow$ |
| At least one pathology test ordered | $\begin{gathered} 10.6 \\ (10.2-11.0) \end{gathered}$ | $\begin{gathered} 10.8 \\ (10.4-11.2) \end{gathered}$ | $\begin{gathered} 11.4 \\ (11.0-11.8) \end{gathered}$ | $\begin{gathered} 11.9 \\ (11.5-12.4) \end{gathered}$ | $\begin{gathered} 12.2 \\ (11.8-12.6) \end{gathered}$ | $\begin{gathered} 12.7 \\ (12.2-13.2) \end{gathered}$ | $\begin{gathered} 13.4 \\ (13.0-13.9) \end{gathered}$ | $\begin{gathered} 13.1 \\ (12.7-13.6) \end{gathered}$ | $\begin{gathered} 13.6 \\ (13.2-14.0) \end{gathered}$ | $\begin{gathered} 13.2 \\ (12.8-13.7) \end{gathered}$ | $\uparrow$ |
| At least one imaging test ordered | $\begin{gathered} 4.8 \\ (4.6-5.1) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.7-5.2) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.8-5.3) \end{gathered}$ | $\begin{gathered} 5.2 \\ (5.0-5.4) \end{gathered}$ | $\begin{gathered} { }_{(5.3-5.7)} \end{gathered}$ | $\begin{aligned} & \stackrel{5.5}{(5.3-5.7)} \end{aligned}$ | $\begin{aligned} & 5.7 \\ & (5.4-5.9) \end{aligned}$ | $\begin{gathered} 5.7 \\ (5.4-5.9) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.5-6.0) \end{gathered}$ | $\uparrow$ |
| (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change. <br> Note: CI—confidence interval. <br> Table 12.1b: Encounters at which pathology or imaging was ordered (per cent of encounters), 2000-01 to 2009-10 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | Per cent of encounters (95\% CI) |  |  |  |  |  |  |  |  |  |  |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | ${ }^{(a)}$ |
| Test ordered | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | $(n=98,877)$ | ( $n=94,386$ ) | ( $n=101,993$ ) | $(n=91,804)$ | ( $n=95,898$ ) | $(n=96,688)$ | ( $n=101,349$ ) |  |
| At least one test ordered | $\begin{gathered} \hline 19.3 \\ (18.7-19.9) \end{gathered}$ | $\begin{gathered} \hline 19.2 \\ (18.6-19.8) \end{gathered}$ | $\begin{gathered} 20.3 \\ (19.7-21.0) \end{gathered}$ | $\begin{gathered} 20.8 \\ (20.1-21.5) \end{gathered}$ | $\begin{gathered} 21.2 \\ (20.6-21.8) \end{gathered}$ | $\begin{gathered} 22.1 \\ (21.4-22.7) \end{gathered}$ | $\begin{gathered} 23.0 \\ (22.3-23.7) \end{gathered}$ | $\begin{gathered} 23.4 \\ (22.7-24.1) \end{gathered}$ | $\begin{gathered} 24.2 \\ (23.5-24.8) \end{gathered}$ | $\begin{gathered} 23.8 \\ (23.1-24.5) \end{gathered}$ | $\uparrow$ |
| At least one pathology test ordered | $\begin{gathered} 13.8 \\ (13.3-14.2) \end{gathered}$ | $\begin{gathered} 14.0 \\ (13.5-14.5) \end{gathered}$ | $\begin{gathered} 14.7 \\ (14.2-15.3) \end{gathered}$ | $\begin{gathered} 15.5 \\ (14.9-16.1) \end{gathered}$ | $\begin{gathered} 15.7 \\ \text { (15.2-16.3) } \end{gathered}$ | $\begin{gathered} 16.4 \\ (15.8-16.9) \end{gathered}$ | $\begin{gathered} 17.4 \\ (16.8-18.0) \end{gathered}$ | $\begin{gathered} 17.4 \\ (16.7-18.0) \end{gathered}$ | $\begin{gathered} 18.2 \\ (17.6-18.8) \end{gathered}$ | $\begin{gathered} 17.7 \\ (17.1-18.3) \end{gathered}$ | $\uparrow$ |
| At least one imaging test ordered | $\begin{gathered} 6.8 \\ (6.5-7.1) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.6-7.2) \end{gathered}$ | $\begin{gathered} 7.5 \\ (7.1-7.8) \end{gathered}$ | $\begin{gathered} 7.2 \\ (6.9-7.5) \end{gathered}$ | $\begin{gathered} 7.3 \\ (7.0-7.6) \end{gathered}$ | $\begin{gathered} 7.8 \\ (7.4-8.1) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.6-8.2) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.5 \\ (8.1-8.8) \end{gathered}$ | $\begin{gathered} 8.5 \\ (8.2-8.9) \end{gathered}$ | $\uparrow$ |

[^19]Table 12.2a: Distribution of pathology orders across pathology groups (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | (a) |
| Pathology test ordered | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) |  |
| Chemistry* | $\begin{gathered} 10.8 \\ (10.3-11.4) \end{gathered}$ | $\begin{gathered} 11.5 \\ (10.9-12.0) \end{gathered}$ | $\begin{gathered} 12.2 \\ (11.6-12.8) \end{gathered}$ | $\begin{gathered} 13.0 \\ (12.4-13.7) \end{gathered}$ | $\begin{gathered} 14.0 \\ (13.4-14.6) \end{gathered}$ | $\begin{gathered} 14.9 \\ (14.1-15.6) \end{gathered}$ | $\begin{gathered} 16.5 \\ (15.8-17.2) \end{gathered}$ | $\begin{gathered} 16.5 \\ (15.7-17.2) \end{gathered}$ | $\begin{gathered} 17.4 \\ (16.7-18.1) \end{gathered}$ | $\begin{gathered} 16.9 \\ (16.1-17.6) \end{gathered}$ | $\uparrow$ |
| Haematology* | $\begin{gathered} 4.0 \\ (3.8-4.2) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.1-4.5) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.1-4.6) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.4-4.9) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.5-5.0) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.7-5.3) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.0-5.6) \end{gathered}$ | $\begin{gathered} 5.2 \\ (5.0-5.5) \end{gathered}$ | $\begin{gathered} 5.3 \\ (5.0-5.5) \end{gathered}$ | $\begin{gathered} 5.4 \\ (5.1-5.7) \end{gathered}$ | $\uparrow$ |
| Microbiology* | $\begin{gathered} 3.2 \\ (3.0-3.4) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.6) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-3.8) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.6-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.7-4.2) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-4.0) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.9) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.9-4.3) \end{gathered}$ | $\uparrow$ |
| Cytology* | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | - |
| Immunology* | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\uparrow$ |
| Tissue pathology* | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\uparrow$ |
| Other NEC* | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.8) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | - |
| Infertility/pregnancy* | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | - |
| Simple test; other* | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\uparrow$ |
| Total pathology tests | $\begin{gathered} 20.5 \\ (19.7-21.3) \end{gathered}$ | $\begin{gathered} 21.6 \\ (20.8-22.5) \end{gathered}$ | $\begin{gathered} 22.7 \\ (21.8-23.6) \end{gathered}$ | $\begin{gathered} 24.1 \\ (23.1-25.0) \end{gathered}$ | $\begin{gathered} 25.2 \\ (24.3-26.2) \end{gathered}$ | $\begin{gathered} 26.4 \\ (25.3-27.5) \end{gathered}$ | $\begin{gathered} 28.6 \\ (27.5-29.6) \end{gathered}$ | $\begin{gathered} 28.5 \\ (27.4-29.6) \end{gathered}$ | $\begin{gathered} 29.5 \\ (28.4-30.5) \end{gathered}$ | $\begin{gathered} 29.3 \\ (28.2-30.4) \end{gathered}$ | $\uparrow$ |

[^20] * Includes multiple ICPC-2 and ICPC-2 PLUS codes (see Appendix 5).
Table 12.2b: Distribution of pathology orders across pathology groups (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Pathology test ordered | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,804$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Chemistry* | $\begin{gathered} 15.7 \\ (14.8-16.5) \end{gathered}$ | $\begin{gathered} 16.5 \\ (15.6-17.3) \end{gathered}$ | $\begin{gathered} 17.7 \\ (16.8-18.6) \end{gathered}$ | $\begin{gathered} 19.1 \\ (18.1-20.1) \end{gathered}$ | $\begin{gathered} 20.4 \\ (19.4-21.4) \end{gathered}$ | $\begin{gathered} 21.7 \\ (20.5-22.9) \end{gathered}$ | $\begin{gathered} 24.5 \\ (23.3-25.7) \end{gathered}$ | $\begin{gathered} 24.9 \\ (23.6-26.2) \end{gathered}$ | $\begin{gathered} 27.0 \\ (25.7-28.2) \end{gathered}$ | $\begin{gathered} 25.9 \\ (24.6-27.2) \end{gathered}$ | $\uparrow$ |
| Haematology* | $\begin{gathered} 5.8 \\ (5.5-6.1) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.8-6.5) \end{gathered}$ | $\begin{gathered} 6.3 \\ (5.9-6.6) \end{gathered}$ | $\begin{gathered} 6.8 \\ (6.4-7.2) \end{gathered}$ | $\begin{gathered} 7.0 \\ (6.6-7.3) \end{gathered}$ | $\begin{gathered} 7.3 \\ (6.9-7.7) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.3) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.3) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.8-8.6) \end{gathered}$ | $\begin{gathered} 8.3 \\ (7.8-8.7) \end{gathered}$ | $\uparrow$ |
| Microbiology* | $\begin{gathered} 4.6 \\ (4.3-4.9) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.5-5.2) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.8-5.5) \end{gathered}$ | $\begin{gathered} 5.3 \\ (4.9-5.6) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.8-5.6) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.2-5.9) \end{gathered}$ | $\begin{gathered} 5.8 \\ (5.4-6.2) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.3-6.0) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.3-6.1) \end{gathered}$ | $\begin{gathered} 6.3 \\ (5.9-6.6) \end{gathered}$ | $\uparrow$ |
| Cytology* | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.4-1.7) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.5-2.0) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.5-1.8) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.9) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.7-2.1) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.2) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.5-1.9) \end{gathered}$ |  |
| Immunology* | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8-1.0) \end{gathered}$ | $\uparrow$ |
| Tissue pathology* | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\uparrow$ |
| Other NEC* | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-1.0) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.6-0.9) \end{gathered}$ | - |
| Infertility/pregnancy* | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.3) \end{gathered}$ | - |
| Simple test; other* | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.3) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2-0.2) \end{gathered}$ | $\uparrow$ |
| Total pathology tests | $\begin{gathered} 29.7 \\ (28.4-30.9) \end{gathered}$ | $\begin{gathered} 31.0 \\ (29.7-32.4) \end{gathered}$ | $\begin{gathered} 32.9 \\ (31.4-34.4) \end{gathered}$ | $\begin{gathered} 35.2 \\ (33.7-36.8) \end{gathered}$ | $\begin{gathered} 36.7 \\ (35.2-38.2) \end{gathered}$ | $\begin{gathered} 38.6 \\ (36.9-40.3) \end{gathered}$ | $\begin{gathered} 42.4 \\ (40.7-44.2) \end{gathered}$ | $\begin{gathered} 43.1 \\ (41.3-45.0) \end{gathered}$ | $\begin{gathered} 45.6 \\ (43.8-47.4) \end{gathered}$ | $\begin{gathered} 45.0 \\ (43.1-46.9) \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, and - indicates there was no change. * Includes multiple ICPC-2 and ICPC-2 PLUS codes (see Appendix 4).
Table 12.3a: Most frequent imaging tests ordered (rate per 100 problems), 2000-01 to 2009-10

|  | Rate per 100 problems ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | $\boldsymbol{1}^{(a)}$ |
| Imaging test ordered | ( $n=143,528$ ) | ( $n=139,092$ ) | ( $n=146,336$ ) | ( $n=144,674$ ) | ( $n=137,330$ ) | ( $n=149,088$ ) | ( $n=136,333$ ) | ( $n=145,078$ ) | ( $n=149,462$ ) | ( $n=155,373$ ) |  |
| Diagnostic radiology* | $\begin{gathered} 3.3 \\ (3.1-3.4) \end{gathered}$ | $\begin{gathered} 3.1 \\ (3.0-3.3) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.3-3.7) \end{gathered}$ | $\begin{gathered} 3.1 \\ (3.0-3.3) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.2) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.4) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.2) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.3) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.9-3.2) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.1) \end{gathered}$ | $\downarrow$ |
| Ultrasound* | $\begin{gathered} 1.5 \\ (1.4-1.6) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.6-1.8) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.7-1.9) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.9-2.1) \end{gathered}$ | $\begin{gathered} 2.1 \\ (2.0-2.2) \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1-2.3) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.2-2.4) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.3-2.5) \end{gathered}$ | $\uparrow$ |
| Computerised tomography* | $\begin{gathered} 0.5 \\ (0.4-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\uparrow$ |
| Magnetic resonance imaging* | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\uparrow$ |
| Nuclear medicine imaging* | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | - |
| Total imaging tests | $\begin{gathered} 5.3 \\ (5.1-5.6) \end{gathered}$ | $\begin{gathered} 5.5 \\ (5.3-5.7) \end{gathered}$ | $\begin{gathered} 5.9 \\ (5.7-6.2) \end{gathered}$ | $\begin{gathered} 5.6 \\ (5.4-5.9) \end{gathered}$ | $\begin{gathered} 5.7 \\ (5.5-5.9) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.8-6.3) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.8-6.3) \end{gathered}$ | $\begin{gathered} 6.3 \\ (6.1-6.5) \end{gathered}$ | $\begin{gathered} 6.3 \\ (6.1-6.6) \end{gathered}$ | $\begin{gathered} 6.4 \\ (6.1-6.6) \end{gathered}$ | $\uparrow$ |

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Table 12.3b: Most frequent imaging tests ordered (rate per 100 encounters), 2000-01 to 2009-10

|  | Rate per 100 encounters ( $95 \% \mathrm{Cl}$ ) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Imaging test ordered | ( $n=99,307$ ) | ( $n=96,973$ ) | ( $n=100,987$ ) | ( $n=98,877$ ) | ( $n=94,386$ ) | ( $n=101,993$ ) | ( $n=91,805$ ) | ( $n=95,898$ ) | ( $n=96,688$ ) | ( $n=101,349$ ) |  |
| Diagnostic radiology* | $\begin{gathered} 4.7 \\ (4.5-5.0) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.3-4.7) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.8-5.3) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.3-4.8) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.3-4.7) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.5-5.0) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.4-4.8) \end{gathered}$ | $\begin{gathered} 4.8 \\ (4.6-5.0) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.5-5.0) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.3-4.8) \end{gathered}$ |  |
| Ultrasound* | $\begin{gathered} 2.1 \\ (2.0-2.3) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.6) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.8) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.2 \\ (3.0-3.3) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.5) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.8) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.5-3.8) \end{gathered}$ | $\uparrow$ |
| Computerised tomography* | $\begin{gathered} 0.7 \\ (0.6-0.7) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.7-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7-0.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (1.0-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.1-1.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1-1.4) \end{gathered}$ | $\uparrow$ |
| Magnetic resonance imaging* | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.0) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\uparrow$ |
| Nuclear medicine imaging* | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1-0.2) \end{gathered}$ | - |
| Total imaging tests | $\begin{gathered} 7.7 \\ (7.3-8.0) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.5-8.2) \end{gathered}$ | $\begin{gathered} 8.6 \\ (8.2-9.0) \end{gathered}$ | $\begin{gathered} 8.2 \\ (7.8-8.6) \end{gathered}$ | $\begin{gathered} 8.3 \\ (8.0-8.6) \end{gathered}$ | $\begin{gathered} 8.8 \\ (8.4-9.2) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.6-9.3) \end{gathered}$ | $\begin{gathered} 9.5 \\ (9.2-9.9) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.4-10.2) \end{gathered}$ | $\begin{gathered} 9.8 \\ (9.3-10.1) \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 for imaging is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, and - indicates there was no change.
F Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.

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## 13 Practice nurse activity

This section investigates changes in the activities of practice nurses in association with the GP-patient encounters for the years 2005-06 to 2009-10.
In November 2004, four Medicare item numbers were introduced into the MBS that allowed GPs to claim for specified tasks done by a practice nurse under the direction of the GP. ${ }^{23}$ The BEACH recording form for the 2005-06 BEACH year was amended to capture this information.

- GPs were allowed to record multiple (up to three) Medicare item numbers where appropriate, rather than be limited to one item number as had been the case in earlier BEACH years.
- In the 'other treatments' section, for each problem managed, GPs were asked to tick the 'practice nurse' box if the treatment recorded was provided by the practice nurse rather than by the GP. If the box was not ticked it was assumed the GP gave the treatment.
The survey form allowed GPs to record up to two other treatments for each problem managed at the encounter. Other treatments include all clinical and procedural treatments provided at the encounters. These groups are defined in Appendix 4.
Over the years additional practice nurse item numbers were added to the Medicare Benefit Schedule. The practice nurse Medicare items available during the 2009-10 BEACH data period are listed with a short description in or below Table 13.2.
This section investigates changes in:
- the distribution of the Medicare items claimed for practice nurses
- treatments provided by practice nurses in association with the GP-recorded encounter
- problems for which the practice nurse provided the treatment in direct association with the GP-recorded encounters.
In Chapter 10, all treatments (other than medications) recorded by the GPs were reported, irrespective of whether they were provided by the GP or by a practice nurse. As in previous years, injections recorded in the provision of immunisations and vaccinations were not included, as these are already counted as pharmacological management. In contrast, in this description of practice nurse activity only the treatments indicated as being given by a practice nurse (including the injections for immunisation/vaccination that were not counted in Chapter 10) are included. GPs are also instructed not to record their taking of routine clinical measurements, such as blood pressure. However, where the practice nurse undertook these activities at the consultation and it was recorded as a practice nurse activity, they have been included in the analysis in this chapter.
When viewing these results, it must be remembered that these practice nurse data will not include activities undertaken by the practice nurse during the GP's BEACH recording period that were outside (not associated with) the recorded encounter. Such activities could include Medicare-claimable activities (for example, immunisations/vaccinations), or other services not currently claimable from Medicare (for example, dietary advice to an individual or in a group situation), provided under instruction from the GP but not at the time of the encounter


### 13.1 Overview of practice nurse activity

Encounters involving a practice nurse as a proportion of all recorded encounters more than doubled from $4.2 \%$ in 2005-06 to $9.0 \%$ in 2009-10. The proportion of problems for which practice nurses were involved in care provided at the encounter also increased significantly from $2.8 \%$ to $6.1 \%$. Encounters including a recorded practice nurse Medicare item number formed an increasing proportion of all encounters, rising from $1.7 \%$ to 4.1 ) over the five years. However, of those encounters at which practice nurse activity was specified, the proportion with a Medicare practice nurse item number recorded remained constant at 36-39\% until, in 2009-10 there was a sudden increase (to 45.5\%) that did not quite reach statistical significance (Table 13.1). It will be interesting to see whether this trend continues in the coming year.
Extrapolation of these results to national Medicare claims for GP consultations ${ }^{7}$ in these years suggests that in 2009-10, practice nurses were actively involved in provision of care at about 10.5 million encounters, about 6.2 million more than in 2005-06.

Table 13.1: Summary of practice nurse involvement at encounter, and claims made, BEACH, 2005-06 to 2009-10

| Variable | Number |  |  |  |  | Change $\uparrow / \downarrow^{(a)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Total encounters | 101,993 | 91,805 | 95,898 | 96,688 | 101,349 |  |
| Encounters involving practice nurse | 4,295 | 4,769 | 5,791 | 6,183 | 9,154 | . |
| Encounters at which practice nurse activity described | 4,013 | 4,710 | 5,712 | 6,052 | 8,999 | $\ldots$ |
| Encounters with practice nurse item number but activity not described | 282 | 59 | 79 | 131 | 155 | . |
| Encounters at which one or more practice nurse item numbers were recorded as claimable | 1,683 | 1,823 | 2,060 | 2,416 | 4,161 | $\ldots$ |
| Total problems managed | 149,088 | 136,333 | 145,078 | 149,462 | 155,373 |  |
| Problems managed with practice nurse involvement | 4,111 | 4,922 | 5,909 | 6,281 | 9,542 | . |
| Proportions | Per cent (95\% CI) |  |  |  |  |  |
| Practice nurse claimable encounters as a proportion of total encounters | $\begin{gathered} 1.7 \\ (1.4-1.9) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ 1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.2-2.8) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.6-4.1) \end{gathered}$ | $\uparrow$ |
| Encounters involving the practice nurse as a proportion of total encounters | $\begin{gathered} 4.2 \\ (3.7-4.7) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.6-5.8) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.5-6.6) \end{gathered}$ | $\begin{gathered} 6.4 \\ (5.8-7.0) \end{gathered}$ | $\begin{gathered} 9.0 \\ (8.2-9.9 \end{gathered}$ | $\uparrow$ |
| Proportion of practice nurse involved encounters for which one or more practice nurse item numbers were recorded | $\begin{gathered} 39.2 \\ (34.7-43.6) \end{gathered}$ | $\begin{gathered} 38.2 \\ (34.0-42.4) \end{gathered}$ | $\begin{gathered} 35.6 \\ (32.4-38.8) \end{gathered}$ | $\begin{gathered} 39.1 \\ (35.9-42.3) \end{gathered}$ | $\begin{gathered} 45.5 \\ (42.1- \\ 48.8) \end{gathered}$ | § |
| Problems involving the practice nurse as a proportion of total problems | $\begin{gathered} 2.8 \\ (2.4-3.1) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.2-4.1) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.7-4.5) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.8-4.6) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.6-6.7) \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\mathbb{\uparrow} / \downarrow$ indicates a statistically significant change; § indicates a non-linear significant or marginal change.

Note: Cl -confidence interval. Some of these results may differ from those previously published, because these data have been re-analysed for all years to include in the count of total practice nurse activity those encounters at which an item number was recorded but no practice nurse activity was described.

### 13.2 Distribution of practice nurse item numbers claimed at encounters

The number of practice nurse item numbers claimed per 100 GP-patient encounters significantly increased from 1.7 items per 100 encounters in 2005-06 to 4.2 per 100 in 2009-10. Extrapolation of these results suggests that the BEACH sample represented about 1.7 million claimed practice nurse items in 2005-06, and about 4.9 million in 2009-10. Medicare data show there were 3.2 million such claims in 2005-06, and about 7.2 million in 2009-10.7 The 2005-06 BEACH sample represented about $53 \%$ of the practice nurse activity claimed from Medicare during that period, and the 2009-10 sample $68.0 \%$. The balance of the Medicare claims for practice nurse items would be for services provided by the nurse independent of the GP-patient encounter.

Table 13.2: Distribution of practice nurse item numbers recorded at encounter, 2005-06 to 2009-10

| Medicare item number | Short descriptor | Per cent of total (95\% CI) |  |  |  |  | Change $\uparrow / \downarrow^{(\mathrm{e})}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  |  | ( $n=1,696$ ) | ( $n=1,835$ ) | ( $n=2,073$ ) | $(n=2,438)$ | $(n=4,215)$ |  |
| $10993{ }^{(b)}$ | Immunisation | $\begin{gathered} 69.5 \\ (63.8-75.3) \end{gathered}$ | $\begin{gathered} 66.8 \\ (61.5-72.2) \end{gathered}$ | $\begin{gathered} 64.1 \\ (59.6-68.6) \end{gathered}$ | $\begin{gathered} 63.5 \\ (59.0-68.1) \end{gathered}$ | $\begin{gathered} 74.9 \\ (72.0-77.7) \end{gathered}$ | $\uparrow$ |
| $10994{ }^{(c)}$ | Cervical smear and preventive checks | N/A | $\begin{gathered} 0.2 \\ (0.0-0.5) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.0-0.4) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.1-1.2) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.0-0.7) \end{gathered}$ | - |
| $10995{ }^{(c)}$ | Cervical smear and preventive checks-women 20-69 years, no smear in previous 4 years | N/A | $\begin{gathered} 0.1 \\ (0.0-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.2) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.0-0.9) \end{gathered}$ | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | - |
| $10996{ }^{(b)}$ | Wound treatment (other than normal aftercare) | $\begin{gathered} 30.0 \\ (24.3-35.7) \end{gathered}$ | $\begin{gathered} 32.6 \\ (27.2-40.0) \end{gathered}$ | $\begin{gathered} 34.4 \\ (30.0-38.8) \end{gathered}$ | $\begin{gathered} 33.3 \\ (29.1-37.5) \end{gathered}$ | $\begin{gathered} 21.3 \\ (18.8-23.8) \end{gathered}$ | $\downarrow$ |
| $10997{ }^{(d)}$ | Service to a person with a chronic disease by a practice nurse or registered Aboriginal health worker | N/A | N/A | $\begin{gathered} 0.7 \\ (0.2-1.2) \end{gathered}$ | $\begin{gathered} 1.9 \\ (0.9-2.9) \end{gathered}$ | $\begin{gathered} 3.0 \\ (1.7-4.2) \end{gathered}$ | $\uparrow$ |
| $10998{ }^{(\mathrm{e})}$ | Cervical smear | 0.0 | $\begin{gathered} 0.1 \\ (0.0-0.3) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.5) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.1) \end{gathered}$ | - |
| 10999 ${ }^{(\mathrm{e})}$ | Cervical smear-women 20-69 years, no smear in previous 4 years | $\begin{gathered} 0.5 \\ (0.0-0.9) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.0-0.4) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.0-0.8) \end{gathered}$ | 0 | $\begin{gathered} 0.0^{\mp} \\ (0.0-0.1) \end{gathered}$ | - |
| 00711 ${ }^{(f)}$ | Health check by a practice nurse or registered Aboriginal health worker | N/A | N/A | N/A | $\begin{gathered} 0.1 \\ (0.0-0.2) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.1-0.5) \end{gathered}$ | - |
| Total pra rate per | ctice nurse item numbers100 total encounters | $\begin{gathered} 1.7 \\ (1.4-2.0) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.7-2.3) \end{gathered}$ | $\begin{gathered} 2.2 \\ (1.9-2.4) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.2-2.9) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.7-4.7) \end{gathered}$ | $\uparrow$ |

[^22]There was a significant change in the distribution of practice nurse item numbers claimed for work associated with the BEACH encounters: three quarters (74.9\%) of all claims were for immunisations, a significantly greater proportion than in all other years, and particularly more than in 2008-09 (63.5\%).
In contrast the proportion of claims accounted for by wound treatment, which had sat steady at about one-third of all BEACH recorded practice nurse item claims, dropped dramatically in 2009-10, to $21.3 \%$ (Table 13.2). Recording of other practice nurse items numbers was rare.

### 13.3 Treatments provided by practice nurses

The number of procedures (including tests done) undertaken by practice nurses at GP-patient encounters more than doubled from 4.0 per 100 encounters in 2005-06 to 9.2 per 100 in 2009-10, the largest portion of this increase occurring between 2008-09 and 2009-10. Practice nurses also took on an increasing proportion of the procedural work recorded at the encounters, from $22.7 \%$ to $39.6 \%$. While their provision of clinical treatments (such as advice and health education) at the GP-patient encounters remained infrequent, there was a significant increase in the proportion of such treatments that they undertook, from $0.7 \%$ to 2.0\% (Table 13.3).

Table 13.3: Summary of treatments provided by practice nurse, 2005-06 to 2009-10

| Treatment | Rate per 100 encounters (95\% CI) |  |  |  |  | Change <br> $\uparrow / \downarrow^{(a)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\frac{2005-06}{(n=101,993)}$ | $\begin{gathered} 2006-07 \\ \hline(n=91,805) \\ \hline \end{gathered}$ | $\begin{gathered} 2007-08 \\ \hline(n=95,898) \end{gathered}$ | $\begin{gathered} 2008-09 \\ \hline(n=96,688) \end{gathered}$ | $\begin{gathered} 2009-10 \\ (n=101,349) \end{gathered}$ |  |
|  |  |  |  |  |  |  |
| Procedural treatments ${ }^{(b)}$ | $\begin{gathered} 4.0 \\ (3.5-4.5) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.6-5.8) \end{gathered}$ | $\begin{gathered} 6.1 \\ (5.5-6.7) \end{gathered}$ | $\begin{gathered} 6.4 \\ (5.8-7.1) \end{gathered}$ | $\begin{gathered} 9.2 \\ (8.3-10.2) \end{gathered}$ | $\uparrow$ |
| Clinical treatments | $\begin{gathered} 0.2 \\ (0.1-0.3) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4-0.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5-0.9) \end{gathered}$ | $\uparrow$ |
| All other treatments | $\begin{gathered} 4.2 \\ (3.7-4.8) \end{gathered}$ | $\begin{gathered} 5.7 \\ (4.9-6.4) \end{gathered}$ | $\begin{gathered} 6.5 \\ (5.9-7.2) \end{gathered}$ | $\begin{gathered} 6.9 \\ (6.2-7.6) \end{gathered}$ | $\begin{gathered} 9.9 \\ (8.9-10.9) \end{gathered}$ | $\uparrow$ |
|  | Per cent of each activity that was performed/assisted by the practice nurse (95\% CI) |  |  |  |  |  |
| Procedural treatments ${ }^{(\text {b })}$ | $\begin{gathered} 22.7 \\ (20.2-25.2) \end{gathered}$ | $\begin{gathered} 28.1 \\ (25.5-30.8) \end{gathered}$ | $\begin{gathered} 29.7 \\ (27.5-32.0) \end{gathered}$ | $\begin{gathered} 30.4 \\ (28.0-32.9) \end{gathered}$ | $\begin{gathered} 39.6 \\ (36.5-42.6) \end{gathered}$ | $\uparrow$ |
| Clinical treatments | $\begin{gathered} 0.7 \\ (0.5-0.9) \end{gathered}$ | $\begin{gathered} 1.5 \\ (0.9-2.2) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.0-1.6) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.4-2.5) \end{gathered}$ | $\uparrow$ |
| All other treatments | $\begin{gathered} 9.0 \\ (7.9-10.1) \end{gathered}$ | $\begin{gathered} 11.8 \\ (10.4-13.2) \end{gathered}$ | $\begin{gathered} 11.9 \\ (10.8-13.0) \end{gathered}$ | $\begin{gathered} 12.5 \\ (11.3-13.7) \end{gathered}$ | $\begin{gathered} 17.0 \\ (15.4-18.7) \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2005-06 to 2009-10 is indicated for each result: $\boldsymbol{\uparrow} / \downarrow$ indicates a statistically significant change.
(b) Procedural treatments here include all injections for immunisations/vaccinations. These are not included in the summary of the content of encounter in Table 5.1, summary of management in Table 8.1 or in the analyses of other treatments in Chapter 10, because the immunisation/vaccination is already counted as a prescription or GP-supplied medication.

## Individual treatments

There was also a significant increase in the number of treatments provided by the practice nurse at encounters in which they were involved, from 107.4 per 100 encounters in 2005-05 to 112.0 per 100 in 2009-10. Paralleling the item number distribution described in Table 13.4, there was a significant increase in local injections, and a decrease in dressing/pressure/ compression/tamponade procedures undertaken by the practice nurse.
International normalised ratio blood tests frequency dropped back to the 2007-08 level, but practice nurse check-ups continued to rise, having almost doubled by 2009-10 (7.6 per 100 encounters involving the practice nurse) since first coded in 2006-07 (4.0 per 100). These results suggest that in 2009-10 practice nurses undertook about 5.2 million International normalised ratio blood tests, and approximately 8.9 million check-ups of one or more body systems.
In the area of clinical treatments, administrative procedures (excluding provision of sickness certificates) done by practice nurses at GP-patient encounters remained at the 2008-09 rate after demonstrating a three-fold increase between 2005-06 and 2008-09 (Table 13.4).

### 13.4 Problems managed with practice nurse

Paralleling the increase in number of claims for immunisation practice nurse item numbers and in injections given, immunisations/vaccination became an even larger part of practice nurses' work - managed at a rate of 40.6 per 100 practice nurse involved encounters, a significantly higher rate than in all other measured years. Increases in their management of check-ups, post-traumatic skin infections, and health education/advice/diet were also apparent. Their management of atrial fibrillation/flutter reverted to its 2007-08 rate, but this still represented a significant increase over the 2005-06 rate. Decreases in management rates were noted for: chronic ulcer skin, fractures and skin injuries.
Table 13.4: Most frequent treatments done by practice nurses, 2005-06 to 2009-10

| Treatment | Rate per 100 encounters where practice nurse activity described ( $95 \% \mathrm{Cl}$ ) |  |  |  |  | $\begin{aligned} & \text { Change } \\ & \boldsymbol{\uparrow} / \downarrow^{(b)} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=4,013$ ) | ( $n=4,710$ ) | ( $n=5,712$ ) | ( $n=6,052$ ) | ( $n=8,999$ ) |  |
| Procedural treatments (including tests) | $\begin{gathered} 102.2 \\ (100.1-104.3) \end{gathered}$ | $\begin{gathered} 101.3 \\ (99.2-103.5) \end{gathered}$ | $\begin{gathered} 102.3 \\ (100.7-104.0) \end{gathered}$ | $\begin{gathered} 102.5 \\ (100.5-104.8) \end{gathered}$ | $\begin{gathered} 104.1 \\ (102.4-105.9) \end{gathered}$ | - |
| Local injection/infitration* | $\begin{gathered} 41.0 \\ (36.6-45.4) \end{gathered}$ | $\begin{gathered} 37.3 \\ (33.0-41.6) \end{gathered}$ | $\begin{gathered} 37.7 \\ (34.7-40.7) \end{gathered}$ | $\begin{gathered} 38.2 \\ (34.9-41.6) \end{gathered}$ | $\begin{gathered} 50.3 \\ (47.0-53.6) \end{gathered}$ | $\uparrow$ |
| Dressing/pressure/compression/tamponade* | $\begin{gathered} 23.7 \\ (21.3-26.2) \end{gathered}$ | $\begin{gathered} 22.4 \\ (19.8-24.9) \end{gathered}$ | $\begin{gathered} 20.7 \\ (18.7-22.8) \end{gathered}$ | $\begin{gathered} 21.2 \\ (19.2-23.3) \end{gathered}$ | $\begin{gathered} 15.8 \\ (14.2-17.5 \end{gathered}$ | $\downarrow$ |
| Check-up-practice nurse* | NAv | $\begin{gathered} 4.0 \\ (2.3-5.6) \end{gathered}$ | $\stackrel{6.1}{(4.8-7.4)}$ | $\begin{gathered} 6.3 \\ (4.0-8.6) \end{gathered}$ | $\begin{gathered} 7.6 \\ (4.0-11.1) \end{gathered}$ | $\uparrow$ |
| Incision/drainage/flushing/aspiration/removal body fluid* | $\begin{gathered} 8.1 \\ (6.2-10.0) \end{gathered}$ | $\begin{gathered} 8.8 \\ (6.7-11.0) \end{gathered}$ | $\begin{gathered} 6.8 \\ (5.6-7.9) \end{gathered}$ | $\begin{gathered} 7.4 \\ (6.0-8.8) \end{gathered}$ | $\begin{gathered} 6.8 \\ (5.4-8.1) \end{gathered}$ | - |
| International normalised ratio test | NAv | $\begin{gathered} 1.8 \\ (1.0-2.6) \end{gathered}$ | $\begin{gathered} 4.9 \\ (3.6-6.2) \end{gathered}$ | $\stackrel{6.4}{(4.9-7.9)}$ | $\begin{gathered} 4.5 \\ (3.5-5.5) \end{gathered}$ | $\uparrow$ |
| Repairfixation-suture/cast/prosthetic device (apply/remove)* | $\begin{gathered} 6.4 \\ (5.0-7.8) \end{gathered}$ | $\begin{gathered} { }^{6.0} \\ (5.0-7.0) \end{gathered}$ | $\begin{gathered} 5.0 \\ (4.2-5.7) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.6-5.0) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.3-4.6) \end{gathered}$ | $\downarrow$ |
| Electrical tracings* | $\begin{gathered} 5.4 \\ (4.1-6.7) \end{gathered}$ | $\begin{gathered} 4.5 \\ (3.7-5.2) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.3-6.1) \end{gathered}$ | $\begin{gathered} 4.4 \\ (3.6-5.2) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.1-4.2) \end{gathered}$ | $\downarrow$ |
| Excision/removal lissue/biopsy/destruction/debride/cauterise* | $\begin{gathered} 7.4 \\ (5.6-9.2) \end{gathered}$ | $\begin{gathered} 5.7 \\ (4.2-7.2) \end{gathered}$ | $\begin{gathered} 4.9 \\ (3.8-5.9) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.4-5.2) \end{gathered}$ | $\stackrel{2.9}{(2.2-3.6)}$ | $\downarrow$ |
| Physical function tests* ${ }^{*}$ | $\begin{gathered} 3.9 \\ (2.6-5.3) \end{gathered}$ | $\begin{gathered} 4.3 \\ (2.8-5.7) \end{gathered}$ | $\begin{gathered} 3.5 \\ (2.3-4.7) \end{gathered}$ | $\stackrel{2.7}{(2.0-3.4)}$ | $\begin{gathered} 2.9 \\ 2.1-3.6) \end{gathered}$ | $\downarrow$ |
| Urine test* | $\begin{gathered} 1.4 \\ (0.8-2.0) \end{gathered}$ | $\begin{gathered} 1.4 \\ (0.8-2.0) \end{gathered}$ | $\stackrel{2.1}{(1.3-3.0)}$ | $\stackrel{1.7}{(1.0-2.4)}$ | $\begin{gathered} 1.3 \\ (0.8-1.8) \end{gathered}$ | - |
| Other therapeutic procedures/surgery NEC * | $\begin{gathered} 0.9 \\ (0.5-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.7-1.4) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.0-2.0) \end{gathered}$ | $\begin{gathered} 1.4 \\ (0.8-2.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (07-1.3) \end{gathered}$ | - |
| Other diagnostic procedures NEC* | 0.0 | $\begin{gathered} 0.1 \\ (0.0-0.2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0-0.2) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.2-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.4-1.0) \\ \hline \end{gathered}$ | - |

Table 13.4 (continued): Most frequent treatments done by practice nurses, 2005-06 to 2009-10

| Treatment | Rate per 100 encounters where practice nurse activity described (95\% CI) |  |  |  |  | Change $\uparrow / \downarrow^{(\mathrm{a})}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=4,013$ ) | ( $n=4,710$ ) | ( $n=5,712$ ) | ( $n=6,052$ ) | ( $n=8,999$ ) |  |
| Pap smear | $\begin{gathered} 0.3 \\ (0.0-0.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.2-0.9) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.8) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.1-1.3) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.4-0.9) \end{gathered}$ | - |
| Glucose test | $\begin{gathered} 0.7 \\ (0.3-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.4-1.5) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.7-1.3) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.6-1.3) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.8) \end{gathered}$ | - |
| Pregnancy test* | $\begin{gathered} 0.3 \\ (0.1-0.6) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.1-0.5) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.8) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.7) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1-0.4) \end{gathered}$ | - |
| Clinical treatments | $\begin{gathered} 5.2 \\ (3.7-6.7) \end{gathered}$ | $\begin{gathered} 8.9 \\ (5.6-12.1) \end{gathered}$ | $\begin{gathered} 7.7 \\ (6.9-9.2) \end{gathered}$ | $\begin{gathered} 7.4 \\ (6.0-8.8) \end{gathered}$ | $\begin{gathered} 7.9 \\ (5.9-9.9) \end{gathered}$ | $\uparrow$ |
| Administrative procedure* | $\begin{gathered} 0.7 \\ (0.4-1.0) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.7-1.6) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.4-2.6) \end{gathered}$ | $\begin{gathered} 2.3 \\ (1.6-3.0) \end{gathered}$ | $\begin{gathered} 2.3 \\ (1.6-3.0) \end{gathered}$ | $\uparrow$ |
| Advice/education* | $\begin{gathered} 0.9 \\ (0.4-1.3) \end{gathered}$ | $\begin{gathered} 1.5 \\ (0.6-2.4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (0.8-2.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.5-1.1) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.6-1.9) \end{gathered}$ | - |
| Counselling/advice-nutrition/weight* | $\begin{gathered} 0.6 \\ (0.2-0.9) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.2-2.1 \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.1-0.9) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.4-1.1) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.3-0.8) \end{gathered}$ | - |
| Counselling/advice-prevention* | $\begin{gathered} 0.2 \\ (0.0-0.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.1-0.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.2-0.7) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.1-0.5) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.2-0.9) \end{gathered}$ | - |
| Counselling-problem* | $\begin{gathered} 0.9 \\ (0.2-1.5) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.3-1.3) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.3-0.8) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.2-0.7) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.3-0.9) \end{gathered}$ | - |
| Advice/education-treatment * | $\begin{gathered} 0.2 \\ (0.1-0.4) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.5-1.3) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.5-1.3) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.2-0.6) \end{gathered}$ | - |
| All practice nurse activities at the encounter | $\begin{gathered} 107.4 \\ (105.0-108.9) \\ \hline \end{gathered}$ | $\begin{gathered} 110.2 \\ (107.7-112.8) \\ \hline \end{gathered}$ | $\begin{gathered} 110.0 \\ (108.4-111.6) \\ \hline \end{gathered}$ | $\begin{gathered} 109.9 \\ (108.1-111.6) \end{gathered}$ | $\begin{gathered} 112.0 \\ (110.3-113.7) \\ \hline \end{gathered}$ | $\uparrow$ |

(a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\boldsymbol{\uparrow} / \boldsymbol{\downarrow}$ indicates a statistically significant change, and - indicates no change.

* Includes multiple ICPC-2 or ICPC-2 PLUS codes (see Appendix 4).
Table 13.5: The most common problems managed with involvement of practice nurse, 2005-06 to 2009-10

|  | Rate per 100 contacts with practice nurse activity described (95\% CI) |  |  |  |  | Change $\uparrow / \downarrow^{(\mathrm{a})}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Problem managed | $\begin{gathered} 2005-06 \\ (n=4,013) \end{gathered}$ | $\begin{gathered} 2006-07 \\ (n=4,710) \end{gathered}$ | $\begin{gathered} 2007-08 \\ (n=5,712) \end{gathered}$ | $\begin{gathered} 2008-09 \\ (n=6,052) \end{gathered}$ | $\begin{gathered} 2009-10 \\ (n=8,999) \end{gathered}$ |  |
| Immunisation/vaccination-all* | $\begin{gathered} 30.9 \\ (26.9-34.9) \end{gathered}$ | $\begin{gathered} 30.8 \\ (26.5-35.0) \end{gathered}$ | $\begin{gathered} 29.5 \\ (26.7-32.2) \end{gathered}$ | $\begin{gathered} 29.5 \\ 26.2-32.7 \end{gathered}$ | $\begin{gathered} 40.6 \\ (37.3-43.9) \end{gathered}$ | $\uparrow$ |
| Check-up-all* | $\begin{gathered} 3.8 \\ (2.8-4.8) \end{gathered}$ | $\begin{gathered} 4.4 \\ (3.4-5.4) \end{gathered}$ | $\begin{gathered} 5.2 \\ (4.0-6.4) \end{gathered}$ | $\begin{gathered} 5.1 \\ (3.9-6.2) \end{gathered}$ | $\begin{gathered} 5.5 \\ (4.6-6.3) \end{gathered}$ | $\uparrow$ |
| Laceration/cut | $\begin{gathered} 6.4 \\ (5.0-7.8) \end{gathered}$ | $\begin{gathered} 6.2 \\ (5.2-7.2) \end{gathered}$ | $\begin{gathered} 6.0 \\ (5.0-7.0) \end{gathered}$ | $\begin{gathered} 6.4 \\ (5.5-7.3) \end{gathered}$ | $\begin{gathered} 4.5 \\ (3.8-5.1) \end{gathered}$ | - |
| Chronic ulcer skin (including varicose ulcer) | $\begin{gathered} 7.1 \\ (5.9-8.3) \end{gathered}$ | $\begin{gathered} 6.5 \\ (5.3-7.7) \end{gathered}$ | $\begin{gathered} 4.8 \\ (3.9-5.7) \end{gathered}$ | $\begin{gathered} 5.9 \\ (4.9-6.9) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.3-4.8) \end{gathered}$ | $\downarrow$ |
| Atrial fibrillation/flutter | $\begin{gathered} 1.2 \\ (0.6-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (0.8-2.0) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.0-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (2.6-4.3) \end{gathered}$ | $\begin{gathered} 2.5 \\ (1.8-3.2) \end{gathered}$ | $\uparrow$ |
| Malignant neoplasm skin | $\begin{gathered} 3.2 \\ (2.3-4.2) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.1-3.8) \end{gathered}$ | $\begin{gathered} 2.6 \\ (1.8-3.3) \end{gathered}$ | $\begin{gathered} 2.6 \\ (1.9-3.3) \end{gathered}$ | $\begin{gathered} 2.1 \\ (1.7-2.6) \end{gathered}$ | - |
| Diabetes-all* | $\begin{gathered} 1.5 \\ (0.8-2.1) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.4-2.6) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.2-3.5) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.4-2.7) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.5-2.4) \end{gathered}$ | - |
| Excessive ear wax | $\begin{gathered} 2.2 \\ (1.6-2.9) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.4-3.6) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.2-3.4) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.0-3.0) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.5-2.4) \end{gathered}$ | - |
| Hypertension* | $\begin{gathered} 1.1 \\ (0.6-1.5) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.0-2.2) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.2-2.3) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.2-2.4) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.2-2.4) \end{gathered}$ | - |
| Skin infection, post-traumatic | $\begin{gathered} 0.4 \\ (0.2-0.6) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1.2-2.2) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.0-2.1) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.5-1.3) \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.3-2.2) \end{gathered}$ | $\uparrow$ |
| Blood test-all* | $\begin{gathered} 0.6 \\ (0.2-0.9) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.4-1.8) \end{gathered}$ | $\begin{gathered} 1.3 \\ (0.9-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (0.7-2.1) \end{gathered}$ | $\begin{gathered} 1.5 \\ (0.8-2.2) \end{gathered}$ | - |
| Observation/health education/advice/diet-all* | $\begin{gathered} 0.4 \\ (0.0-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.3-0.8) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.3-0.9) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.8) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.1-2.1) \end{gathered}$ | $\uparrow$ |
| Vitamin/nutritional deficiency | $\begin{gathered} 0.9 \\ (0.5-1.3) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.8) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.6-1.4) \end{gathered}$ | $\begin{gathered} 1.6 \\ (1.2-2.1) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.1-2.1) \end{gathered}$ | - |

Table 13.5 (continued): The most common problems managed with involvement of practice nurse, 2005-06 to 2009-10

| Problem managed | Rate per 100 contacts with practice nurse activity described ( $95 \% \mathrm{Cl}$ ) |  |  |  |  | Change $\uparrow / \downarrow^{(\mathrm{a})}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
|  | ( $n=4,013$ ) | ( $n=4,710$ ) | ( $n=5,712$ ) | ( $n=6,052$ ) | ( $n=8,999$ ) |  |
| Pregnancy* | $\begin{gathered} 0.6 \\ (0.1-1.1) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.3-1.2) \end{gathered}$ | $\begin{gathered} 0.6 \\ 0.2-0.9) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.4-1.2) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.3) \end{gathered}$ | - |
| Repair/fixate-suture/cast/device (apply/remove)—all* | $\begin{gathered} 1.3 \\ (0.7-1.9) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.0-1.9) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.0-1.7) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.8-1.5) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.7-1.2) \end{gathered}$ | - |
| Asthma | $\begin{gathered} 1.5 \\ (1.0-2.0) \end{gathered}$ | $\begin{gathered} 2.3 \\ (1.6-3.0) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.9-1.6) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.7-1.5) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.1) \end{gathered}$ | - |
| Boil/carbuncle | $\begin{gathered} 0.6 \\ (0.3-0.8) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.5-1.1) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.5-1.2) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.7-1.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.7) \end{gathered}$ | - |
| Abrasion/scratch/blister | $\begin{gathered} 1.2 \\ (0.7-1.6) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.4-1.0) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.6-1.7) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.5-1.0) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.8) \end{gathered}$ | $\downarrow$ |
| Burns/scalds | $\begin{gathered} 0.9 \\ (0.5-1.3) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.8-1.7) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.8-1.4) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.2) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4-0.8) \end{gathered}$ | - |
| Skin symptom/complaint NEC | $\begin{gathered} 1.2 \\ (0.7-1.7) \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.8-1.7) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.7-1.3) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7-1.2) \end{gathered}$ | - |
| Contraception, other than oral | $\begin{gathered} 1.1 \\ (0.6-1.6) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.8) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.2) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.6-1.2) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.5-0.9) \end{gathered}$ | - |
| Fracture* | $\begin{gathered} 1.1 \\ (0.7-1.5) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.6-1.5) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.5-1.0) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.3-0.7) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.4) \end{gathered}$ | $\downarrow$ |
| Injury skin NEC | $\begin{gathered} 1.0 \\ (0.6-1.4) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.3-0.9) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.2-0.6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.2-0.6) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2-0.5) \end{gathered}$ | $\downarrow$ |
| Total problems | $\begin{gathered} 102.4 \\ (101.7-103.2) \end{gathered}$ | $\begin{gathered} 104.5 \\ (103.3-105.8) \end{gathered}$ | $\begin{gathered} 103.4 \\ (102.7-104.2) \end{gathered}$ | $\begin{gathered} 103.8 \\ (103.1-104.5) \end{gathered}$ | $\begin{gathered} 106.0 \\ (104.8-107.3) \end{gathered}$ | $\uparrow$ |

[^23]
## 14 Patient risk factors

General practice is a useful intervention point for health promotion, because about $88 \%$ of Australians visit a GP at least once each year. ${ }^{63}$ GPs, through ongoing professional education, have substantial knowledge of population health, screening programs and other interventions. They are also in an ideal position to advise patients about the benefits of health screening, and to counsel patients about their lifestyle choices individually.
Since April 1998, a section on the bottom of each encounter form has been used to investigate aspects of patient health or health care delivery not covered by general practice encounter-based information. These additional substudies are referred to as Supplementary Analysis of Nominated Data (SAND). The SAND methods are described in Chapter 2.
The patient risk factors measured include self-reported height and weight (to calculate BMI), alcohol consumption and smoking status. Patient risk factors are investigated for a subsample of 40 of the 100 patient encounters recorded by each GP. An example of the encounter form with the patient risk factor SAND questions is included in Appendix 1. The methods used to investigate patient risk factors are described in Section 2.4.
Abstracts of results and the research tools used in all SAND substudies from April 1998 to March 2009 have been published. Those:

- from April 1998 to March 1999 were published in Measures of health and health care delivery in general practice in Australia ${ }^{9}$
- from April 1999 to July 2006 were published in Patient-based substudies from BEACH: abstracts and research tools 1999-200610
- since August 2006 have been published in each of the general practice activity annual reports ${ }^{11-13}$
- conducted in the 2009-10 BEACH year are provided in Chapter 15 of the companion report General practice activity in Australia 2009-10. ${ }^{1}$
This chapter includes data about the risk behaviours of general practice patients from each of the 10 years of the BEACH study from 2000-01 to 2009-10. The direction and type of change from 2000-01 to 2009-10 is indicated for each result in the far right column of the tables:
$\uparrow / \downarrow$ indicates a statistically significant linear change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal change, and - indicates there was no change.
The results of the patient risk factors, BMI and smoking status are presented in tables 14.1 to 14.3 for each year from 2000-01 to 2009-10. Results for alcohol consumption are presented for each year from 2001-02 to 2009-10, as data from 2000-01 are not comparable.

Patient BMI and alcohol consumption data collected in the BEACH study have been investigated in further detail and published. Interested readers can consult these publications for further information:

- prevalence of the three levels of obesity as defined by the World Health Organization was published in Chapter 7 of General practice in Australia, health priorities and policies 1998 to $2008^{64}$
- overweight and obesity in children attending general practice was reported in General practice management of overweight and obesity in children and adolescents in Australia 65
- the relationship between morbidity managed and alcohol consumption was reported in The relationship between self-reported alcohol intake and the morbidities managed by GPs in Australia. ${ }^{66}$


### 14.1 Body mass index

## Adults

Overall prevalence of overweight and obesity in adults attending general practice increased significantly from $54.2 \%$ in $2000-01$ ( $95 \%$ CI: 53.4-55.1) to $60.2 \%$ in 2009-10 ( $95 \% \mathrm{CI}$ : 59.4-61.1) (results not tabulated).
Taken individually, there was a significant increase in the prevalence of obesity in adults attending general practice, from $20.2 \%$ in $2000-01$ to $25.9 \%$ in 2009-10 (Table 14.1). The significant increase in obesity is apparent in both male and female patients (tables 14.2 and 14.3). The prevalence of overweight in adults was steady over this period, at about $34 \%$.

## Children

The prevalence of overweight and obesity in children aged $2-17$ years remained static from 2000-01 to 2009-10, with about 10-11\% of children being obese and about $18 \%$ overweight (Table 14.1).

### 14.2 Smoking

There was a significant decrease in the prevalence of current daily and occasional smoking in adults aged 18 years and over, from $19.3 \%$ and $4.4 \%$, respectively, in $2000-01$ to $15.1 \%$ and $2.7 \%$ in 2009-10 (Table 14.1). This decrease was apparent in both male and female patients (tables 14.2 and 14.3).

### 14.3 Alcohol consumption

The rates of at-risk levels of alcohol consumption among adults at general practice encounters remained static at about 26\% of adult patients between 2001-02 and 2009-10 (Table 14.1).
Table 14.1: Comparative results for all patient risk factors, 2000-01 to 2009-10

| Risk factor | Per cent (95\% CI) |  |  |  |  |  |  |  |  |  | $\boldsymbol{i}^{(\mathrm{a})}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Adults (aged 18 years and over) |  |  |  |  |  |  |  |  |  |  |  |
| Body mass index class ${ }^{(b)}$ ( $n$ ) | $(31,957)$ | $(31,789)$ | $(32,367)$ | $(31,890)$ | $(30,476)$ | $(33,101)$ | $(32,334)$ | $(31,062)$ | $(33,526)$ | $(31,932)$ | . |
| Obese | $\begin{gathered} 20.2 \\ (19.5-20.8) \end{gathered}$ | $\begin{gathered} 21.5 \\ (20.8-22.2) \end{gathered}$ | $\begin{gathered} 20.9 \\ (20.2-21.5) \end{gathered}$ | $\begin{gathered} 22.1 \\ (21.4-22.7) \end{gathered}$ | $\begin{gathered} 22.4 \\ (21.7-23.2) \end{gathered}$ | $\begin{gathered} 22.2 \\ (21.5-22.9) \end{gathered}$ | $\begin{gathered} 23.5 \\ (22.7-24.2) \end{gathered}$ | $\begin{gathered} 23.9 \\ (23.1-24.6) \end{gathered}$ | $\begin{gathered} 25.4 \\ (24.7-26.1) \end{gathered}$ | $\begin{gathered} 25.9 \\ (25.2-26.6) \end{gathered}$ | $\uparrow$ |
| Overweight | $\begin{gathered} 34.1 \\ (33.4-34.7) \end{gathered}$ | $\begin{gathered} 33.5 \\ (32.9-34.1) \end{gathered}$ | $\begin{gathered} 33.8 \\ (33.2-34.5) \end{gathered}$ | $\begin{gathered} 34.5 \\ (33.8-35.1) \end{gathered}$ | $\begin{gathered} 34.6 \\ (33.9-35.2) \end{gathered}$ | $\begin{gathered} 34.6 \\ (33.9-35.2) \end{gathered}$ | $\begin{gathered} 35.0 \\ (34.3-35.6) \end{gathered}$ | $\begin{gathered} 35.4 \\ (34.7-36.0) \end{gathered}$ | $\begin{gathered} 36.1 \\ (35.5-36.7) \end{gathered}$ | $\begin{gathered} 34.4 \\ (33.7-35.0) \end{gathered}$ | - |
| Normal | $\begin{gathered} 42.8 \\ (42.0-43.7) \end{gathered}$ | $\begin{gathered} 42.1 \\ (41.3-42.9) \end{gathered}$ | $\begin{gathered} 42.4 \\ (41.6-43.3) \end{gathered}$ | $\begin{gathered} 40.7 \\ (39.9-41.6) \end{gathered}$ | $\begin{gathered} 40.3 \\ (39.5-41.2) \end{gathered}$ | $\begin{gathered} 40.5 \\ (39.7-41.4) \end{gathered}$ | $\begin{gathered} 39.0 \\ (38.1-39.8) \end{gathered}$ | $\begin{gathered} 38.3 \\ (37.4-39.2) \end{gathered}$ | $\begin{gathered} 36.1 \\ (35.3-36.8) \end{gathered}$ | $\begin{gathered} 37.3 \\ (36.5-38.2) \end{gathered}$ | $\downarrow$ |
| Underweight | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.8-3.2) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.1) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.6-3.0) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.5-3.0) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.8) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.3-2.7) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.6) \end{gathered}$ | $\downarrow$ |
| Smoking status ( $n$ ) | $(32,124)$ | $(31,966)$ | $(32,651)$ | $(32,718)$ | $(31,295)$ | $(33,558)$ | $(31,176)$ | $(31,652)$ | $(34,194)$ | $(32,744)$ |  |
| Daily | $\begin{gathered} 19.3 \\ (18.5-20.1) \end{gathered}$ | $\begin{gathered} 18.4 \\ (17.7-19.2) \end{gathered}$ | $\begin{gathered} 17.2 \\ (16.5-17.9) \end{gathered}$ | $\begin{gathered} 17.6 \\ (16.8-18.3) \end{gathered}$ | $\begin{gathered} 18.0 \\ (17.2-18.7) \end{gathered}$ | $\begin{gathered} 17.1 \\ (16.3-17.8) \end{gathered}$ | $\begin{gathered} 16.1 \\ \text { (15.4-16.9) } \end{gathered}$ | $\begin{gathered} 16.5 \\ (15.8-17.3) \end{gathered}$ | $\begin{gathered} 15.3 \\ (14.6-15.9) \end{gathered}$ | $\begin{gathered} 15.1 \\ (14.4-15.8) \end{gathered}$ | $\downarrow$ |
| Occasional | $\begin{gathered} 4.4 \\ (4.0-4.7) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.8-4.4) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.8-4.4) \end{gathered}$ | $\begin{gathered} 4.3 \\ (4.0-4.7) \end{gathered}$ | $\begin{gathered} 3.7 \\ (3.4-4.0) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.4-3.9) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.4) \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7-3.2) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.9) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-2.9) \end{gathered}$ | $\downarrow$ |
| Previous | $\begin{gathered} 27.3 \\ (26.5-28.1) \end{gathered}$ | $\begin{gathered} 27.8 \\ (27.0-28.6) \end{gathered}$ | $\begin{gathered} 27.2 \\ (26.5-28.0) \end{gathered}$ | $\begin{gathered} 28.0 \\ (27.3-28.8) \end{gathered}$ | $\begin{gathered} 28.0 \\ (27.2-28.8) \end{gathered}$ | $\begin{gathered} 27.1 \\ (26.3-27.8) \end{gathered}$ | $\begin{gathered} 28.8 \\ (28.0-29.6) \end{gathered}$ | $\begin{gathered} 27.9 \\ (27.1-28.6) \end{gathered}$ | $\begin{gathered} 28.8 \\ (28.1-29.6) \end{gathered}$ | $\begin{gathered} 28.2 \\ (27.4-29.0) \end{gathered}$ | - |
| Never | $\begin{gathered} 49.1 \\ (48.1-50.1) \end{gathered}$ | $\begin{gathered} 49.7 \\ (48.7-50.7) \end{gathered}$ | $\begin{gathered} 51.4 \\ (50.4-52.4) \end{gathered}$ | $\begin{gathered} 50.1 \\ (49.1-51.0) \end{gathered}$ | $\begin{gathered} 50.3 \\ (49.4-51.3) \end{gathered}$ | $\begin{gathered} 52.3 \\ (51.3-53.2) \end{gathered}$ | $\begin{gathered} 51.9 \\ (50.9-52.9) \end{gathered}$ | $\begin{gathered} 52.7 \\ (51.7-53.6) \end{gathered}$ | $\begin{gathered} 53.3 \\ (52.4-54.2) \end{gathered}$ | $\begin{gathered} 54.0 \\ (53.1-55.0) \end{gathered}$ | $\uparrow$ |
| Alcohol consumption ${ }^{(c)}$ ( $n$ ) | . | $(31,559)$ | $(32,140)$ | $(31,721)$ | $(30,414)$ | $(32,753)$ | $(30,347)$ | $(30,796)$ | $(33,347)$ | $(31,771)$ |  |
| At-risk alcohol level | NAv | $\begin{gathered} 26.0 \\ (25.1-26.8) \end{gathered}$ | $\begin{gathered} 26.2 \\ (25.3-27.1) \end{gathered}$ | $\begin{gathered} 26.7 \\ (25.8-27.6) \end{gathered}$ | $\begin{gathered} 26.4 \\ (25.5-27.3) \end{gathered}$ | $\begin{gathered} 25.9 \\ (25.0-26.8) \end{gathered}$ | $\begin{gathered} 27.0 \\ (26.1-28.0) \end{gathered}$ | $\begin{gathered} 26.2 \\ (25.3-27.1) \end{gathered}$ | $\begin{gathered} 25.2 \\ (24.3-26.0) \end{gathered}$ | $\begin{gathered} 26.5 \\ (25.7-27.4) \end{gathered}$ | - |
| Responsible drinker | NAv | $\begin{gathered} 44.1 \\ (43.3-45.0) \end{gathered}$ | $\begin{gathered} 44.2 \\ (43.4-45.1) \end{gathered}$ | $\begin{gathered} 44.9 \\ (44.1-45.8) \end{gathered}$ | $\begin{gathered} 44.9 \\ (44.0-45.7) \end{gathered}$ | $\begin{gathered} 44.8 \\ (44.0-45.7) \end{gathered}$ | $\begin{gathered} 44.6 \\ (43.7-45.5) \end{gathered}$ | $\begin{gathered} 44.6 \\ (43.7-45.5) \end{gathered}$ | $\begin{gathered} 45.2 \\ (44.3-46.1) \end{gathered}$ | $\begin{gathered} 44.4 \\ (43.5-45.3) \end{gathered}$ | - |
| Non-drinker | NAv | $\begin{gathered} 29.9 \\ (28.9-30.9) \end{gathered}$ | $\begin{gathered} 29.5 \\ (28.5-30.6) \end{gathered}$ | $\begin{gathered} 28.4 \\ (27.3-29.4) \end{gathered}$ | $\begin{gathered} 28.7 \\ (27.7-29.8) \end{gathered}$ | $\begin{gathered} 29.3 \\ (28.2-30.4) \end{gathered}$ | $\begin{gathered} 28.3 \\ (27.3-29.4) \end{gathered}$ | $\begin{gathered} 29.3 \\ (28.2-30.3) \end{gathered}$ | $\begin{gathered} 29.6 \\ (28.6-30.7) \end{gathered}$ | $\begin{gathered} 29.1 \\ (28.0-30.1) \end{gathered}$ | - |

Table 14.1 (continued): Comparative results for all patient risk factors, 2000-01 to 2009-10

| Risk factor | Per cent (95\% CI) |  |  |  |  |  |  |  |  |  | $\boldsymbol{\uparrow}^{(\mathrm{a})}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Children (aged 2-17 years) ${ }^{(d)}$ ( $n$ ) | $(3,610)$ | $(3,518)$ | $(3,380)$ | $(3,189)$ | $(3,018)$ | $(3,338)$ | $(3,087)$ | $(3,046)$ | $(2,970)$ | $(3,183)$ |  |
| Obese | $\begin{gathered} 11.4 \\ (10.1-12.6) \end{gathered}$ | $\begin{gathered} 10.9 \\ (9.7-12.1) \end{gathered}$ | $\begin{gathered} 11.9 \\ (10.5-13.2) \end{gathered}$ | $\begin{gathered} 11.8 \\ (10.5-13.2) \end{gathered}$ | $\begin{gathered} 10.8 \\ (9.5-12.2) \end{gathered}$ | $\begin{gathered} 10.9 \\ (9.7-12.1) \end{gathered}$ | $\begin{gathered} 10.6 \\ (9.3-11.9) \end{gathered}$ | $\begin{gathered} 11.2 \\ (10.0-12.5) \end{gathered}$ | $\begin{gathered} 10.5 \\ (9.3-11.7) \end{gathered}$ | $\begin{gathered} 9.6 \\ (8.4-10.8) \end{gathered}$ | - |
| Overweight | $\begin{gathered} 17.8 \\ (16.5-19.2) \end{gathered}$ | $\begin{gathered} 17.9 \\ (16.5-19.3) \end{gathered}$ | $\begin{gathered} 18.3 \\ (16.9-19.6) \end{gathered}$ | $\begin{gathered} 19.2 \\ (17.7-20.7) \end{gathered}$ | $\begin{gathered} 17.7 \\ (16.3-19.1) \end{gathered}$ | $\begin{gathered} 17.9 \\ (16.5-19.2) \end{gathered}$ | $\begin{gathered} 18.6 \\ (17.2-20.0) \end{gathered}$ | $\begin{gathered} 17.1 \\ (15.7-18.5) \end{gathered}$ | $\begin{gathered} 16.7 \\ (15.3-18.2) \end{gathered}$ | $\begin{gathered} 18.0 \\ (16.7-19.4) \end{gathered}$ | - |

[^24]Table 14.2: Comparative results for adult male patient risk factors, 2000-01 to 2009-10

| Risk factor | Per cent (95\% CI) |  |  |  |  |  |  |  |  |  | $-\boldsymbol{\uparrow}^{(a)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Body mass index class ${ }^{(b)}(n)$ | $(12,800)$ | $(12,512)$ | $(12,450)$ | $(12,434)$ | $(12,288)$ | $(12,882)$ | $(12,715)$ | $(12,126)$ | $(13,595)$ | $(11,945)$ |  |
| Obese | $\begin{gathered} 19.2 \\ (18.4-20.1) \end{gathered}$ | $\begin{gathered} 20.0 \\ (19.1-20.9) \end{gathered}$ | $\begin{gathered} 19.9 \\ (19.1-20.8) \end{gathered}$ | $\begin{gathered} 20.7 \\ (19.8-21.5) \end{gathered}$ | $\begin{gathered} 21.3 \\ (20.4-22.3) \end{gathered}$ | $\begin{gathered} 21.6 \\ (20.7-22.5) \end{gathered}$ | $\begin{gathered} 22.4 \\ (21.6-23.3) \end{gathered}$ | $\begin{gathered} 23.1 \\ (22.1-24.1) \end{gathered}$ | $\begin{gathered} 25.0 \\ (24.1-26.0) \end{gathered}$ | $\begin{gathered} 25.5 \\ (24.6-26.5) \end{gathered}$ | $\uparrow$ |
| Overweight | $\begin{gathered} 41.0 \\ (39.9-41.8) \end{gathered}$ | $\begin{gathered} 41.0 \\ (40.0-42.0) \end{gathered}$ | $\begin{gathered} 41.5 \\ (40.5-42.4) \end{gathered}$ | $\begin{gathered} 42.3 \\ (41.3-43.2) \end{gathered}$ | $\begin{gathered} 42.0 \\ (41.0-43.0) \end{gathered}$ | $\begin{gathered} 42.6 \\ (41.6-43.6) \end{gathered}$ | $\begin{gathered} 42.3 \\ (41.4-43.3) \end{gathered}$ | $\begin{gathered} 43.0 \\ (42.0-44.0) \end{gathered}$ | $\begin{gathered} 43.6 \\ (42.7-44.6) \end{gathered}$ | $\begin{gathered} 42.1 \\ (41.1-43.0) \end{gathered}$ | - |
| Normal | $\begin{gathered} 38.2 \\ (37.0-39.3) \end{gathered}$ | $\begin{gathered} 37.4 \\ (36.3-38.6) \end{gathered}$ | $\begin{gathered} 37.2 \\ (36.2-38.3) \end{gathered}$ | $\begin{gathered} 35.6 \\ (34.5-36.7) \end{gathered}$ | $\begin{gathered} 35.3 \\ (34.2-36.5) \end{gathered}$ | $\begin{gathered} 34.3 \\ (33.3-35.4) \end{gathered}$ | $\begin{gathered} 34.0 \\ (32.9-35.1) \end{gathered}$ | $\begin{gathered} 32.7 \\ (31.6-33.8) \end{gathered}$ | $\begin{gathered} 30.3 \\ (29.3-31.4) \end{gathered}$ | $\begin{gathered} 31.6 \\ (30.2-32.3) \end{gathered}$ | $\downarrow$ |
| Underweight | $\begin{gathered} 1.6 \\ (1.4-1.9) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.8) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.1-1.6) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3-1.7) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8-1.2) \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0-1.4) \end{gathered}$ | $\downarrow$ |
| Smoking status ( $n$ ) | $(12,869)$ | $(12,547)$ | $(12,521)$ | $(12,692)$ | $(12,613)$ | $(13,016)$ | $(12,257)$ | $(12,335)$ | $(13,841)$ | $(12,260)$ |  |
| Daily | $\begin{gathered} 22.6 \\ (21.5-23.7) \end{gathered}$ | $\begin{gathered} 21.6 \\ (20.5-22.6) \end{gathered}$ | $\begin{gathered} 20.4 \\ (19.4-21.4) \end{gathered}$ | $\begin{gathered} 21.0 \\ (20.0-22.0) \end{gathered}$ | $\begin{gathered} 21.2 \\ (20.2-22.3) \end{gathered}$ | $\begin{gathered} 20.7 \\ (19.7-21.8) \end{gathered}$ | $\begin{gathered} 19.4 \\ (18.3-20.5) \end{gathered}$ | $\begin{gathered} 19.8 \\ (18.8-20.8) \end{gathered}$ | $\begin{gathered} 18.1 \\ (17.2-19.0) \end{gathered}$ | $\begin{gathered} 18.1 \\ (17.1-19.1) \end{gathered}$ | $\downarrow$ |
| Occasional | $\begin{gathered} 4.4 \\ (4.0-4.9) \end{gathered}$ | $\begin{gathered} 4.6 \\ (4.1-5.1) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.0-5.0) \end{gathered}$ | $\begin{gathered} 4.5 \\ (4.0-4.9) \end{gathered}$ | $\begin{gathered} 4.3 \\ (3.9-4.7) \end{gathered}$ | $\begin{gathered} 4.1 \\ (3.7-4.6) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.4-4.2) \end{gathered}$ | $\begin{gathered} 3.3 \\ (2.9-3.7) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.6-3.4) \end{gathered}$ | $\begin{gathered} 3.1 \\ (2.8-3.5) \end{gathered}$ | $\downarrow$ |
| Previous | $\begin{gathered} 36.5 \\ (35.2-37.8) \end{gathered}$ | $\begin{gathered} 36.6 \\ (35.4-37.9) \end{gathered}$ | $\begin{gathered} 36.4 \\ (35.2-37.6) \end{gathered}$ | $\begin{gathered} 37.3 \\ (36.2-38.5) \end{gathered}$ | $\begin{gathered} 36.5 \\ (35.3-37.6) \end{gathered}$ | $\begin{gathered} 35.7 \\ (34.5-36.9) \end{gathered}$ | $\begin{gathered} 37.1 \\ (35.8-38.4) \end{gathered}$ | $\begin{gathered} 36.5 \\ (35.3-37.7) \end{gathered}$ | $\begin{gathered} 37.9 \\ (36.8-39.1) \end{gathered}$ | $\begin{gathered} 36.9 \\ (35.8-38.1) \end{gathered}$ | - |
| Never | $\begin{gathered} 36.5 \\ (35.3-37.7) \end{gathered}$ | $\begin{gathered} 37.2 \\ (36.0-38.4) \end{gathered}$ | $\begin{gathered} 38.7 \\ (37.5-40.0) \end{gathered}$ | $\begin{gathered} 37.2 \\ (36.0-38.4) \end{gathered}$ | $\begin{gathered} 38.0 \\ (36.8-39.2) \end{gathered}$ | $\begin{gathered} 39.5 \\ (38.2-40.7) \end{gathered}$ | $\begin{gathered} 39.7 \\ (38.5-41.0) \end{gathered}$ | $\begin{gathered} 40.4 \\ (39.2-41.6) \end{gathered}$ | $\begin{gathered} 41.0 \\ (39.8-42.2) \end{gathered}$ | $\begin{gathered} 41.8 \\ (40.6-43.0) \end{gathered}$ | $\uparrow$ |
| Alcohol consumption ${ }^{(c)}$ ( $n$ ) | . | $(12,464)$ | $(12,391)$ | $(12,334)$ | $(12,294)$ | $(12,792)$ | $(12,005)$ | $(12,071)$ | $(13,583)$ | $(11,974)$ |  |
| At-risk alcohol level | $N A v$ | $\begin{gathered} 32.0 \\ (30.8-33.2) \end{gathered}$ | $\begin{gathered} 32.8 \\ (31.6-34.1) \end{gathered}$ | $\begin{gathered} 33.1 \\ (31.9-34.3) \end{gathered}$ | $\begin{gathered} 32.6 \\ (31.3-33.8) \end{gathered}$ | $\begin{gathered} 31.6 \\ (30.3-32.8) \end{gathered}$ | $\begin{gathered} 32.5 \\ (31.2-33.8) \end{gathered}$ | $\begin{gathered} 31.7 \\ (30.5-32.9) \end{gathered}$ | $\begin{gathered} 30.1 \\ (28.9-31.2) \end{gathered}$ | $\begin{gathered} 31.6 \\ (30.4-32.8) \end{gathered}$ | - |
| Responsible drinker | $N A v$ | $\begin{gathered} 46.8 \\ (45.7-48.0) \end{gathered}$ | $\begin{gathered} 46.6 \\ (45.5-47.8) \end{gathered}$ | $\begin{gathered} 47.3 \\ (46.1-48.5) \end{gathered}$ | $\begin{gathered} 47.7 \\ (46.4-48.9) \end{gathered}$ | $\begin{gathered} 47.9 \\ (46.7-49.1) \end{gathered}$ | $\begin{gathered} 48.0 \\ (46.7-49.2) \end{gathered}$ | $\begin{gathered} 47.6 \\ (46.4-48.8) \end{gathered}$ | $\begin{gathered} 48.9 \\ (47.8-50.1) \end{gathered}$ | $\begin{gathered} 47.6 \\ (46.4-48.8) \end{gathered}$ | - |
| Non-drinker | $N A v$ | $\begin{gathered} 21.2 \\ (20.1-22.2) \end{gathered}$ | $\begin{gathered} 20.5 \\ (19.5-21.5) \end{gathered}$ | $\begin{gathered} 19.6 \\ (18.5-20.7) \end{gathered}$ | $\begin{gathered} 19.8 \\ (18.7-20.9) \end{gathered}$ | $\begin{gathered} 20.5 \\ (19.4-21.6) \end{gathered}$ | $\begin{gathered} 19.5 \\ (18.5-20.6) \end{gathered}$ | $\begin{gathered} 20.7 \\ (19.6-21.8) \end{gathered}$ | $\begin{gathered} 21.0 \\ (20.0-22.0) \end{gathered}$ | $\begin{gathered} 20.8 \\ (19.7-21.9) \end{gathered}$ | - |

(a) The direction and type of change is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change.

Table 14.3: Comparative results for adult female patient risk factors, 2000-01 to 2009-10

| Risk factor | Per cent (95\% CI) |  |  |  |  |  |  |  |  |  | $\boldsymbol{i}^{(a)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |  |
| Body mass index class ${ }^{(b)}(n)$ | $(18,820)$ | $(19,039)$ | $(19,670)$ | $(19,214)$ | $(17,976)$ | $(19,976)$ | $(19,410)$ | $(18,703)$ | $(19,671)$ | $(19,735)$ |  |
| Obese | $\begin{gathered} 20.8 \\ (20.0-21.6) \end{gathered}$ | $\begin{gathered} 22.4 \\ (21.6-23.2) \end{gathered}$ | $\begin{gathered} 21.5 \\ (20.7-22.3) \end{gathered}$ | $\begin{gathered} 23.0 \\ (22.1-23.8) \end{gathered}$ | $\begin{gathered} 23.2 \\ (22.4-24.1) \end{gathered}$ | $\begin{gathered} 22.6 \\ (21.7-23.4) \end{gathered}$ | $\begin{gathered} 24.2 \\ (23.3-25.1) \end{gathered}$ | $\begin{gathered} 24.3 \\ (23.5-25.2) \end{gathered}$ | $\begin{gathered} 25.6 \\ (24.8-26.4) \end{gathered}$ | $\begin{gathered} 26.2 \\ (25.3-27.0) \end{gathered}$ | $\uparrow$ |
| Overweight | $\begin{gathered} 29.4 \\ (28.6-30.1) \end{gathered}$ | $\begin{gathered} 28.5 \\ (27.8-29.3) \end{gathered}$ | $\begin{gathered} 29.0 \\ (28.2-29.8) \end{gathered}$ | $\begin{gathered} 29.4 \\ (28.6-30.1) \end{gathered}$ | $\begin{gathered} 29.3 \\ (28.6-30.1) \end{gathered}$ | $\begin{gathered} 29.3 \\ (28.6-30.0) \end{gathered}$ | $\begin{gathered} 30.1 \\ (29.4-30.9) \end{gathered}$ | $\begin{gathered} 30.4 \\ (29.7-31.2) \end{gathered}$ | $\begin{gathered} 30.9 \\ (30.2-31.6) \end{gathered}$ | $\begin{gathered} 29.6 \\ (28.9-30.3) \end{gathered}$ | - |
| Normal | $\begin{gathered} 46.0 \\ (45.0-47.0) \end{gathered}$ | $\begin{gathered} 45.2 \\ (44.2-46.1) \end{gathered}$ | $\begin{gathered} 45.7 \\ (44.7-46.8) \end{gathered}$ | $\begin{gathered} 44.1 \\ (43.1-45.1) \end{gathered}$ | $\begin{gathered} 43.8 \\ (42.7-44.8) \end{gathered}$ | $\begin{gathered} 44.6 \\ (43.6-45.6) \end{gathered}$ | $\begin{gathered} 42.2 \\ (41.2-43.2) \end{gathered}$ | $\begin{gathered} 41.9 \\ (40.9-43.0) \end{gathered}$ | $\begin{gathered} 40.0 \\ (39.1-41.0) \end{gathered}$ | $\begin{gathered} 41.1 \\ (40.1-42.0) \end{gathered}$ | $\downarrow$ |
| Underweight | $\begin{gathered} 3.8 \\ (3.5-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.6-4.2) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5-4.2) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-3.9) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3-4.0) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.8) \end{gathered}$ | $\begin{gathered} 3.5 \\ (3.2-3.8) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.7) \end{gathered}$ | $\begin{gathered} 3.2 \\ (2.9-3.5) \end{gathered}$ | $\downarrow$ |
| Smoking status ( $n$ ) | $(18,920)$ | $(19,182)$ | $(19,875)$ | $(19,780)$ | $(18,468)$ | $(20,288)$ | $(18,718)$ | $(19,081)$ | $(20,079)$ | $(20,224)$ |  |
| Daily | $\begin{gathered} 17.1 \\ (16.3-17.9) \end{gathered}$ | $\begin{gathered} 16.4 \\ (15.6-17.2) \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.4-15.9) \end{gathered}$ | $\begin{gathered} 15.4 \\ (14.6-16.1) \end{gathered}$ | $\begin{gathered} 15.7 \\ (15.0-16.5) \end{gathered}$ | $\begin{gathered} 14.7 \\ (14.0-15.4) \end{gathered}$ | $\begin{gathered} 14.0 \\ (13.3-14.8) \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.7-15.2) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.6-14.0) \end{gathered}$ | $\begin{gathered} 13.3 \\ (12.6-14.0) \end{gathered}$ | $\downarrow$ |
| Occasional | $\begin{gathered} 4.3 \\ (4.0-4.7) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.4-4.1) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.5-4.3) \end{gathered}$ | $\begin{gathered} 4.2 \\ (3.9-4.6) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.7) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.0-3.6) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.5-3.0) \end{gathered}$ | $\begin{gathered} 2.6 \\ (2.4-2.9) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.7) \end{gathered}$ | $\begin{gathered} 2.4 \\ (2.2-2.7) \end{gathered}$ | $\downarrow$ |
| Previous | $\begin{gathered} 20.9 \\ (20.0-21.7) \end{gathered}$ | $\begin{gathered} 22.0 \\ (21.2-22.9) \end{gathered}$ | $\begin{gathered} 21.5 \\ (20.7-22.3) \end{gathered}$ | $\begin{gathered} 22.0 \\ (21.2-22.8) \end{gathered}$ | $\begin{gathered} 22.2 \\ (21.3-23.0) \end{gathered}$ | $\begin{gathered} 21.5 \\ (20.7-22.3) \end{gathered}$ | $\begin{gathered} 23.3 \\ (22.5-24.2) \end{gathered}$ | $\begin{gathered} 22.3 \\ (21.4-23.1) \end{gathered}$ | $\begin{gathered} 22.5 \\ (21.7-23.3) \end{gathered}$ | $\begin{gathered} 22.8 \\ (22.0-23.7) \end{gathered}$ | $\uparrow$ |
| Never | $\begin{gathered} 57.7 \\ (56.6-58.8) \end{gathered}$ | $\begin{gathered} 57.8 \\ (56.7-58.9) \end{gathered}$ | $\begin{gathered} 59.4 \\ (58.3-60.5) \end{gathered}$ | $\begin{gathered} 58.4 \\ (57.3-59.5) \end{gathered}$ | $\begin{gathered} 58.8 \\ (57.7-59.9) \end{gathered}$ | $\begin{gathered} 60.5 \\ (59.5-61.6) \end{gathered}$ | $\begin{gathered} 59.9 \\ (58.8-61.0) \end{gathered}$ | $\begin{gathered} 60.7 \\ (59.6-61.7) \end{gathered}$ | $\begin{gathered} 61.7 \\ (60.7-62.7) \end{gathered}$ | $\begin{gathered} 61.5 \\ (60.4-62.5) \end{gathered}$ | $\uparrow$ |
| Alcohol consumption ${ }^{(c)}$ ( $n$ ) | . | $(19,095)$ | $(19,749)$ | $(19,387)$ | $(18,120)$ | $(19,961)$ | $(18,342)$ | $(18,715)$ | $(19,764)$ | $(19,979)$ |  |
| At-risk alcohol level | NAv | $\begin{gathered} 22.0 \\ (21.1-22.9) \end{gathered}$ | $\begin{gathered} 22.1 \\ (21.2-23.0) \end{gathered}$ | $\begin{gathered} 22.6 \\ (21.7-23.6) \end{gathered}$ | $\begin{gathered} 22.2 \\ (21.3-23.2) \end{gathered}$ | $\begin{gathered} 22.2 \\ (21.3-23.2) \end{gathered}$ | $\begin{gathered} 23.5 \\ (22.5-24.5) \end{gathered}$ | $\begin{gathered} 22.6 \\ (21.6-23.6) \end{gathered}$ | $\begin{gathered} 21.8 \\ (20.8-22.7) \end{gathered}$ | $\begin{gathered} 23.4 \\ (22.5-24.4) \end{gathered}$ | - |
| Responsible drinker | NAv | $\begin{gathered} 42.4 \\ (41.3-43.4) \end{gathered}$ | $\begin{gathered} 42.7 \\ (41.7-43.8) \end{gathered}$ | $\begin{gathered} 43.5 \\ (42.4-44.5) \end{gathered}$ | $\begin{gathered} 43.0 \\ (41.9-44.0) \end{gathered}$ | $\begin{gathered} 42.8 \\ (41.8-43.9) \end{gathered}$ | $\begin{gathered} 42.4 \\ (41.3-43.5) \end{gathered}$ | $\begin{gathered} 42.6 \\ (41.6-43.7) \end{gathered}$ | $\begin{gathered} 42.6 \\ (41.6-43.7) \end{gathered}$ | $\begin{gathered} 42.5 \\ (41.5-43.6) \end{gathered}$ | - |
| Non-drinker | NAv | $\begin{gathered} 35.6 \\ (34.4-36.9) \end{gathered}$ | $\begin{gathered} 35.2 \\ (33.9-36.5) \end{gathered}$ | $\begin{gathered} 33.9 \\ (32.7-35.2) \end{gathered}$ | $\begin{gathered} 34.8 \\ (33.4-36.2) \end{gathered}$ | $\begin{gathered} 35.0 \\ (33.6-36.3) \end{gathered}$ | $\begin{gathered} 34.1 \\ (32.8-35.4) \end{gathered}$ | $\begin{gathered} 34.8 \\ (33.5-36.1) \end{gathered}$ | $\begin{gathered} 35.6 \\ (34.3-36.9) \end{gathered}$ | $\begin{gathered} 34.0 \\ (32.8-35.3) \end{gathered}$ | - |

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## Glossary

A1 Medicare items: Medicare item numbers 1, 2, 3, 4, 13, 19, 20, 23, 24, 25, 33, 35, 36, 37, 38, 40, $43,44,47,48,50,51,601,602$.
Aboriginal: The patient identifies himself or herself as an Aboriginal person.
Activity level: The number of general practice A1 Medicare items claimed during the previous 3 months by a participating GP.
Allied and other health professionals: Those who provide clinical and other specialised services in the management of patients, including physiotherapists, occupational therapists, dietitians, dentists and pharmacists.
Chapters (ICPC-2): The main divisions within ICPC-2. There are 17 chapters primarily representing the body systems.
Chronic problem: see Diagnosis/problem, Chronic problem.
Commonwealth concession card: An entitlement card provided by the Australian Government that entitles the holder to reduced cost medicines under the Pharmaceutical Benefits Scheme and a limited number of other concessions from state and local government authorities.
Complaint: A symptom or disorder expressed by the patient when seeking care.
Component (ICPC-2): In ICPC-2 there are seven components that act as a second axis across all chapters.

## Consultation: See Encounter.

Diagnosis/problem: A statement of the provider's understanding of a health problem presented by a patient, family or community. GPs are instructed to record at the most specific level possible from the information available at the time. It may be limited to the level of symptoms.

- New problem: The first presentation of a problem, including the first presentation of a recurrence of a previously resolved problem, but excluding the presentation of a problem first assessed by another provider.
- Old problem: A previously assessed problem that requires ongoing care, including follow-up for a problem or an initial presentation of a problem previously assessed by another provider.
- Chronic problem: A medical condition characterised by a combination of the following characteristics: duration that has lasted or is expected to last 6 months or more, a pattern of recurrence or deterioration, a poor prognosis, and consequences or sequelae that impact on an individual's quality of life ${ }^{30}$
- Work-related problem: Irrespective of the source of payment for the encounter, it is likely in the GP's view that the problem has resulted from work-related activity or workplace exposures or that a pre-existing condition has been significantly exacerbated by work activity or workplace exposure.
Encounter: Any professional interchange between a patient and a GP.
- Indirect: Encounter where there is no face-to-face meeting between the patient and the GP but a service is provided (for example, prescription, referral).
- Direct: Encounter where there is a face-to-face meeting of the patient and the GP. Direct encounters can be further divided into:
- Medicare-claimable
- Surgery consultations: Encounters identified by any one of MBS item numbers $3,23,36,44,52,53,54,57,5000,5020,5040,5060,5200,5203,5207,5208$.
- Home visits: Encounters identified by any one of MBS item numbers $4,24,37,47,58,59,60,65,5003,5023,5043,5063,5220,5223,5227,5228$.
- Hospital encounters: Encounters identified by any one of MBS item numbers 19, 33, 40, 50, 87, 89, 90, 91.
- Residential aged care facility: Encounters identified by any one of MBS item numbers $20,35,43,51,92,93,95,96,5010,5028,5049,5067,5260,5263,5265,5267$.
- Health assessments: Encounters identified by any one of MBS item numbers 700, 702, 704, 706, 708, 710, 712.
- Chronic disease management items: Encounters identified by any one of MBS item numbers 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731.
- Case conferences: Encounters identified by any one of MBS item numbers $734,736,738,740,742,744,746,749,757,759,762,765,768,771,773,775,778,779$.
- Incentive payments: Encounters identified by any one of MBS item numbers 2497, 2501, 2503, 2504, 2506, 2507, 2509, 2517, 2518, 2521, 2522, 2525, 2526, 2546, 2547, 2552, 2553, 2558, 2559, 2574, 2575, 2577, 2578, 2598, 2600, 2603, 2606, 2610, 2613, 2616, 2620, 2622, 2624, 2631, 2633, 2635, 2664, 2666, 2668, 2673, 2675, 2677, 2704, 2705, 2707, 2708.
- Other MBS encounters: Encounters identified by an MBS item number that does not identify place of encounter (see A1 Medicare items).
- Workers compensation: Encounters paid by workers compensation insurance.
- Other paid: Encounters paid from another source (for example, state).

General practitioner (GP): A medical practitioner who provides primary comprehensive and continuing care to patients and their families within the community (Royal Australian College of General Practitioners).
GP consultation service items: Includes GP services provided under the MBS Professional services category including MBS items classed as A1, A2, A5, A6, A7, A14, A17, A18, A19, A20, A22 and selected items provided by GPs classified in A11, A15 and A27.
Medication: Medication that is prescribed, provided by the GP at the encounter or advised for over-the-counter purchase.
Medication rates: The rate of use of all medications, including medications that were prescribed, supplied by the GP and advised for over-the-counter purchase.
Medication status:

- New: The medication prescribed/provided at the encounter/advised is being used for the management of the problem for the first time.
- Continuation: The medication prescribed/provided at the encounter/advised is a continuation or repeat of previous therapy for this problem.
- Old: See Continuation.

Morbidity: Any departure, subjective or objective, from a state of physiological wellbeing. In this sense, sickness, illness and morbid conditions are synonymous.

Patient status: The status of the patient to the practice.

- New patient: The patient has not been seen before in the practice.
- Old patient: The patient has attended the practice before.

Practice nurse involvement: Encounters at which a practice nurse MBS item number and/or a treatment (either clinical or procedural) was recorded as done by a practice nurse.
Prescribed rates: The rate of use of prescribed medications (that is, does not include medications that were GP-supplied or advised for over-the-counter purchase).
Problem managed: See Diagnosis/problem.
Provider: A person to whom a patient has access when contacting the health care system.
Reasons for encounter (RFEs): The subjective reasons given by the patient for seeing or contacting the general practitioner. These can be expressed in terms of symptoms, diagnoses or the need for a service.
Recognised GP: A medical practitioner who is:

- vocationally recognised under Section 3F of the Health Insurance Act, or
- a holder of the Fellowship of the Royal Australian College of General Practitioners who participates in, and meets the requirements for, quality assurance and continuing medical education as defined in the Royal Australian College of General Practitioners (RACGP) Quality Assurance and Continuing Medical Education Program, or
- undertaking an approved placement in general practice as part of a training program for general practice leading to the award of the Fellowship of the Royal Australian College of General Practitioners, or undertaking an approved placement in general practice as part of some other training program recognised by the RACGP as being of equivalent standard ${ }^{67}$
- Referral: The process by which the responsibility for part or all of the care of a patient is temporarily transferred to another health care provider. Only new referrals to specialists and allied health professionals, and for hospital and residential aged care facility admissions arising at a recorded encounter are included. Continuation referrals are not included. Multiple referrals can be recorded at any one encounter.
Repatriation health card: An entitlement card provided by the Department of Veterans' Affairs that entitles the holder to access a range of Repatriation health care benefits, including access to prescription and other medications under the Pharmaceutical Benefits Scheme.
Rubric: The title of an individual code in ICPC-2.
Significant: This term is used to refer to a statistically significant results. Statistical significance is measured at the $95 \%$ confidence level in this report.
Torres Strait Islander: The patient identifies himself or herself as a Torres Strait Islander person.
Work-related problem: See Diagnosis/problem.


## Appendices

Appendix 1: Example of a 2009-10 recording form


## Appendix 2: GP characteristics questionnaire, 2009-10

The University of Sydney
School of Public Health

## Australian General Practice

Statistics and
Classification Centre
An

|  | Doctor Identification Number |  |  | a collaborating unit of the <br> Australian Institute of |
| :--- | :--- | :---: | :---: | :---: |
| GP prolth and Welfare |  |  |  |  |


4. Country of graduation (primary medical degree):Australiather: (specify)
5. How many direct patient care hours do you work per week?

Include hours of direct patient care, instructions,
counselling etc and other services such as
referrals, prescriptions, phone calls etc.)
6. Do you conduct any of your consultations in a language other than English?
NoYes 25-50\%Yes $>50 \%$es <25\%
7. Are you a GP registrar (i.e. in training)?..... Yes / No
8. Do you hold FRACGP? $\qquad$ Yes / No
9. Do you hold FACRRM? Yes / No
10. Do you bulk bill patients?......... All / Some / None
11. To what extent do YOU use computers at work (Circle all that apply)
Not at all.
$\qquad$
Prescribing . 2
Internet
$\qquad$
Pathology
electronic ordering (online) .. 5 print/produce orders only...... 6 electronic results receipt....... 7

Medical records complete (paperless) ........ 8 partial/hybrid.................. 9 paper only.. $\qquad$ .. 10

Imaging/other tests ...... 11
What clinical software is used? (please specify)
12. Did any of your BEACH consultations take place in an Aboriginal Community Controlled Health Service (ACCHS)?
No................................................................................ 1
Yes - all Il .......................... $\ldots$
Yes - some (which dates) $\qquad$ 3
13. Over the past four weeks have you provided any patient care
In a residential aged care facility ...................Yes / No
As a salaried/sessional hospital medical
officer.
14. Postcode of major practice address

15. In which GP Division is this practice?
16. For this practice*, please specify the number of
(a) individual GPs (including yourself)?
(b) full time equivalent GPs (including yourself)?

(c) individual practice nurses? $($ none $=0)$.
(d) full time equivalent practice nurses? (Full time equivalent $\approx 35-45 \mathrm{hrs} / \mathrm{wk}$ )
*(Note: practice $=$ shared medical records)
17. Is your major practice accredited?......... Yes / No
18. Are any of the following services located / available on the premises? (Circle all that apply):
(includes services in the same building or within
50 metres, available on a daily or regular basis)
Physiotherapist
Psychologist. ... 2
Pathology lab/collection centre....................... 3
Imaging .................................................................. 4
Specialist....................................................... 5
Other (specify) _ 6
None............................................................. 7
19. What are the normal after-hours arrangements for your practice? (Circle all that apply):
Practice does its own......................................
Co-operative with other practices .................... 2
Deputising service.......................................... 3
Other .... 4
None ................................................................................................. 5
20. Is your major practice site a teaching practice? (Circle all that apply):
for undergraduates.......................................... 1
for junior doctors .2
for GP registrars ,

No

## Appendix 3: Dissemination of results from the BEACH program

A full list of BEACH publications is also available from the Family Medicine Research Centre website: <www.fmrc.org.au/publications/>.

## Books-General practice series (BEACH) ISSN 1442-3022

Britt H, Miller GC, Charles J, Henderson J, Bayram C, Valenti L, Pan Y, et al 2009. General practice activity in Australia 1999-00 to 2008-09: 10 year data tables. General practice series no. 26. Cat. no. GEP 26.Canberra: Australian Institute of Health and Welfare.

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Britt H, Knox S, Miller GC 2003. Changes in pathology ordering by GPs in Australia 1998-2001. General practice series no. 13. Cat. no. GEP 13. Canberra: Australian Institute of Health and Welfare.
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# Appendix 4: Code groups from ICPC-2 and ICPC-2 <br> PLUS 

Table A4.1: Code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: | :---: |
| Reasons for encounter and problems managed |  |  |  |
| Abdominal pain | D01 |  | Pain/cramps; abdominal general |
|  | D06 |  | Pain; abdominal localised; other |
| Abnormal test results | A91 |  | Abnormal result investigations NOS |
|  | B84 |  | Unexplained abnormal white cells |
|  | U98 |  | Abnormal urine test NOS |
|  | X86 |  | Abnormal cervix smear |
| Anaemia |  | B78002 | Anaemia; sickle cell |
|  |  | B78003 | Anaemia; hereditary haemolytic |
|  |  | B79001 | Anaemia; congenital |
|  |  | B79004 | Anaemia; hereditary |
|  | B80 |  | Iron deficiency anaemia |
|  | B81 |  | Anaemia; vitamin B12/folate deficiency |
|  | B82 |  | Anaemia; other/unspecified |
| Anxiety | P01 |  | Feeling anxious/nervous/tense |
|  | P74 |  | Anxiety disorder/anxiety state |
| Arthritis-all | L88 |  | Rheumatoid/seropositive arthritis |
|  | L89 |  | Osteoarthrosis of hip |
|  | L90 |  | Osteoarthrosis of knee |
|  | L91 |  | Osteoarthrosis, other |
|  |  | L70009 | Arthritis; pyogenic |
|  |  | L70010 | Arthritis; viral |
|  |  | L70021 | Arthritis; septic |
|  |  | L81003 | Arthritis; traumatic |
|  |  | L81015 | Haemarthrosis |
|  |  | L83010 | Arthritis; spine cervical |
|  |  | L83011 | Osteoarthritis; spine; cervical |
|  |  | L84003 | Arthritis; spine |
|  |  | L84004 | Osteoarthritis; spine |
|  |  | L84009 | Osteoarthritis; spine; thoracic |
|  |  | L84010 | Osteoarthritis; spine; lumbar |
|  |  | L84011 | Osteoarthritis; lumbosacral |
|  |  | L84012 | Osteoarthritis; sacroiliac |
|  |  | L84023 | Arthritis; spine; thoracic |

(continued)

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: | :---: |
| Reasons for encounter and problems managed (continued) |  |  |  |
| Arthritis-all (continued) |  | L84024 | Arthritis; spine; lumbar |
|  |  | L84025 | Arthritis; lumbosacral |
|  |  | L84026 | Arthritis; sacroiliac |
|  |  | L92006 | Arthritis; shoulder |
|  |  | L92007 | Osteoarthritis; shoulder |
|  |  | L92011 | Humeroscapular periarthritis |
|  |  | S91002 | Arthritis; psoriatic |
|  |  | T99063 | Arthritis; crystal (excluding gout) |
| Back complaint | L02 |  | Back symptom/complaint |
|  | L03 |  | Low back symptom/complaint |
|  | L86 |  | Back syndrome with radiating pain |
| Blood test—all | -34 |  | Blood test |
| Cardiac check-up |  |  | See Check-up-ICPC chapter, Cardiovascular |
| Check-up-all | -30 |  | Medical examination/health evaluation, complete |
|  | -31 |  | Medical examination/health evaluation, partial |
|  | X37 |  | Pap smear |
| Check-up-ICPC chapter | A30; A31 |  | General |
|  | B30; B31 |  | Blood |
|  | D30; D31 |  | Digestive |
|  | F30; F31 |  | Eye |
|  | H30; H31 |  | Ear |
|  | K30; K31 |  | Cardiovascular |
|  | L30; L31 |  | Musculoskeletal |
|  | N30; N31 |  | Neurological |
|  | P30; P31 |  | Psychological |
|  | R30; R31 |  | Respiratory |
|  | S30; S31 |  | Skin |
|  | T30; T31 |  | Endocrine |
|  | U30; U31 |  | Urology |
|  | W30; W31 |  | Prenatal/postnatal |
|  | X30; X31; X37 |  | Female genital/Pap smear |
|  | Y30; Y31 |  | Male genital |
|  | Z30; Z31 |  | Social |
| Depression | P03 |  | Feeling depressed |
|  | P76 |  | Depressive disorder |
| Diabetes-non-gestational | T89 |  | Diabetes; insulin-dependent |
|  | T90 |  | Diabetes; non-insulin-dependent |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: | :---: |
| Reasons for encounter and problems managed (continued) |  |  |  |
| Diabetes-all | T89 |  | Diabetes; insulin-dependent |
|  | T90 |  | Diabetes; non-insulin-dependent |
|  | W85 |  | Gestational diabetes |
| Female genital check-up/ Pap smear |  |  | See Check-up-ICPC chapter, Female genital |
| Fracture | L72 |  | Fracture; radius/ulna |
|  | L73 |  | Fracture; tibia/fibula |
|  | L74 |  | Fracture; hand/foot bone |
|  | L75 |  | Fracture; femur |
|  | L76 |  | Fracture; other |
|  |  | L84019 | Fracture; compression; spine |
|  |  | L99017 | Fracture; non-union |
|  |  | L99018 | Fracture; pathological |
|  |  | L99019 | Fracture; malunion |
|  |  | L99095 | Fracture; stress |
|  |  | N54005 | Decompression; fracture; skull |
|  |  | N80012 | Fracture; skull (base) |
|  |  | N80013 | Fracture; skull |
|  |  | N80014 | Injury; head; fracture |
| Gastroenteritis | D70 |  | Gastrointestinal infection |
|  | D73 |  | Gastroenteritis, presumed infectious |
| General check-up |  |  | See Check-up-ICPC chapter, General |
| Hypertension/high blood pressure (RFEs) | K85 |  | Elevated blood pressure (without hypertension) |
|  | K86 |  | Hypertension; uncomplicated |
|  | K87 |  | Hypertension; complicated |
|  |  | W81002 | Hypertension; pre-eclamptic |
|  |  | W81003 | Hypertension in pregnancy |
| Hypertension (problems) | K86 |  | Hypertension; uncomplicated |
|  | K87 |  | Hypertension; complicated |
|  |  | W81002 | Hypertension; pre-eclamptic |
|  |  | W81003 | Hypertension in pregnancy |
| Immunisation/vaccination-all | A44 |  | Preventive immunisation/medication; general/unspecified |
|  | D44 |  | Preventive immunisation/medication; digestive |
|  | N44 |  | Preventive immunisation/medication; neurological |
|  | R44 |  | Preventive immunisation/medication; respiratory |
| Ischaemic heart disease | K74 |  | Ischaemic heart disease with angina |
|  | K76 |  | Ischaemic heart disease without angina |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: | :---: |
| Reasons for encounter and problems managed (continued) |  |  |  |
| Menstrual problems | X02 |  | Pain; menstrual |
|  | X03 |  | Pain; intermenstrual |
|  | X05 |  | Menstruation; absent/scanty |
|  | X06 |  | Menstruation; excessive |
|  | X07 |  | Menstruation; irregular/frequent |
|  | X08 |  | Intermenstrual bleeding |
|  | X09 |  | Premenstrual symptom/complaint |
|  | X10 |  | Postponement of menstruation |
| Observation/health education/ advice/diet-all | -45 |  | Observation/health education/advice/die |
| Oral contraception | W10 |  | Contraception; postcoital |
|  | W11 |  | Contraception; oral |
|  | W50 |  | Medication; reproductive system |
| Osteoarthritis |  | L83011 | Osteoarthritis; spine; cervical |
|  |  | L84004 | Osteoarthritis; spine |
|  |  | L84009 | Osteoarthritis; spine; thoracic |
|  |  | L84010 | Osteoarthritis; spine; lumbar |
|  |  | L84011 | Osteoarthritis; lumbosacral |
|  |  | L84012 | Osteoarthritis; sacroiliac |
|  |  | L89001 | Osteoarthritis; hip |
|  |  | L90001 | Osteoarthritis; knee |
|  |  | L91001 | Osteoarthritis; degenerative |
|  |  | L91003 | Osteoarthritis |
|  |  | L91008 | Heberdens nodes |
|  |  | L91015 | Osteoarthritis; wrist |
|  |  | L92007 | Osteoarthritis; shoulder |
| Pregnancy | W01 |  | Question of pregnancy |
|  | W78 |  | Pregnancy |
|  | W79 |  | Unwanted pregnancy |
| Pre/postnatal check-up |  |  | See Check-up-ICPC chapter, Prenatal/postnatal |
| Prescription-all | -50 |  | Medication prescription/request/renewal/injection |
| Rash | S06 |  | Rash; localised |
|  | S07 |  | Rash generalised |
| Repair/fixate-suture/cast/ device (apply/remove)—all | -54 |  | Repair/fixation-suture/cast/prosthetic device (apply/remove) |
| Rheumatoid arthritis | L88 |  | Rheumatoid/seropositive arthritis |
| Sprain/strain | L77 |  | Sprain/strain; ankle |
|  | L78 |  | Sprain/strain; knee |
|  | L79 |  | Sprain/strain; joint NOS |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: | :---: |
| Reasons for encounter and problems managed (continued) |  |  |  |
| Sprain/strain (continued) |  | L83023 | Sprain; neck |
|  |  | L83024 | Strain; neck |
|  |  | L84020 | Sprain; back |
|  |  | L84021 | Strain; back |
|  |  | L19014 | Strain; muscle(s) |
| Swelling (skin) | S04 |  | Lump/swelling; localised |
|  | S05 |  | Lump/swelling; generalised |
| Test results | -60 |  | Results tests/procedures |
|  | -61 |  | Results examination/test/record/letter other provider |
| Tonsillitis | R76 |  | Tonsillitis; acute |
|  | R90 |  | Hypertrophy; tonsils/adenoids |
| Urinary tract infection | U70 |  | Pyelonephritis/pyelitis |
|  | U71 |  | Cystitis/urinary infection other |
| Clinical treatments |  |  |  |
| Advice/education |  | A45002 | Advice/education |
|  |  | B45002 | Advice/education; blood |
|  |  | D45002 | Advice/education; digestive |
|  |  | F45002 | Advice/education; eye |
|  |  | H45002 | Advice/education; ear |
|  |  | K45002 | Advice/education; cardiovascular |
|  |  | L45002 | Advice/education; musculoskeletal |
|  |  | N45002 | Advice/education; neurological |
|  |  | P45001 | Advice/education; psychological |
|  |  | R45002 | Advice/education; respiratory |
|  |  | S45002 | Advice/education; skin |
|  |  | T45002 | Advice/education; endocrine/metabolic |
|  |  | U45002 | Advice/education; urology |
|  |  | W45004 | Advice/education; reproductive |
|  |  | X45002 | Advice/education; genital; female |
|  |  | Y45002 | Advice/education; genital; male |
|  |  | Z45002 | Advice/education; social |
| Advice/education-medication |  | A45015 | Advice/education; medication |
|  |  | A45032 | Advice/education; Dosette box |
|  |  | A45033 | Advice/education; Webster pack |
|  |  | A48003 | Review; medication |
|  |  | A48005 | Increased; drug dosage |
|  |  | A48006 | Decreased; drug dosage |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |  |
| :---: | :---: | :---: | :---: |
| Clinical treatments (continued) |  |  |  |
| Advice/education-medication (continued) | A48007 | Change (in); drug dosage |  |
|  | A48008 | Stop medication |  |
|  | A48009 | Recommend medication (not new) |  |
|  | A48010 | Change (in); medication |  |
|  | A48011 | Medication; request; refusal |  |
|  | A48012 | Review; immunisation |  |
|  | A50010 | Medication; given |  |
| Advice/education-treatment | A45016 | Advice/education; treatment |  |
|  | A45019 | Advice; time off work |  |
|  | A45020 | Advice; rest/fluids |  |
|  | A45021 | Advice; naturopathic treatment |  |
|  | A45030 | Advice/education; first aid |  |
|  | A45034 | Advice/education; procedure |  |
|  | A48004 | Review; treatment |  |
|  | L45004 | Advice/education; RICE |  |
|  | R45004 | Advice/education; asthma |  |
|  | T45004 | Advice/education; diabetes |  |
|  | T45009 | Advice; home glucose monitoring |  |
| Counselling/advice-alcohol | P45005 | Advice/education; alcohol |  |
|  | P58009 | Counselling; alcohol |  |
| Counselling/advice—drug abuse | P45006 | Advice/education; illicit drugs |  |
|  | P58010 | Counselling; drug abuse |  |
|  | P58020 | Rehabilitation; drug |  |
|  | P58021 | Rehabilitation; alcohol |  |
| Counselling/advice-exercise | A45004 | Advice/education; exercise |  |
|  | A58005 | Counselling; exercise |  |
| Counselling/advice—health/body | A45005 | Advice/education; health |  |
|  | A45009 | Health promotion |  |
|  | A45010 | Information; health |  |
|  | A45011 | Health promotion; injury |  |
|  | A45018 | Advice/education; body |  |
|  | A45026 | Advice/education; hygiene |  |
|  | A58006 | Counselling; health |  |
|  | A98001 | Health maintenance |  |
|  | D45004 | Advice/education; oral health |  |
|  | L45005 | Advice/education; posture |  |
| Counselling/advice-lifestyle | P45008 | Advice/education; lifestyle |  |
|  | P58012 | Counselling; lifestyle |  |
|  |  |  | (continued) |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Clinical treatments (continued) |  |  |
| Counselling/advice—nutrition/weight | A45006 | Advice/education; diet |
|  | T45005 | Advice/education; nutritional |
|  | T45007 | Advice/education; weight management |
|  | T45010 | Weight management |
|  | T58002 | Counselling; weight management |
| Counselling/advice—pregnancy | W45009 | Advice/education; pregnancy |
|  | W58004 | Counselling; prenatal |
|  | W58006 | Counselling; pregnancy |
| Counselling/advice—prevention | A45025 | Advice/education; immunisation |
|  | A58007 | Counselling; prevention |
|  | X45004 | Advice/education; breast self-examination |
|  | X45007 | Advice/education; Pap smear |
|  | X45008 | Advice/education; mammography |
|  | Z45005 | Advice/education; environment |
| Counselling/advice—relationship | Z45006 | Advice/education; parenting |
|  | Z45007 | Advice/education; mothering |
|  | Z45008 | Advice/education; fathering |
|  | Z58001 | Counselling; conjugal (partner) |
|  | Z58003 | Counselling; marriage/relationship |
|  | Z58006 | Counselling; parenting |
|  | Z58007 | Counselling; mothering |
|  | Z58008 | Counselling; fathering |
|  | Z58009 | Counselling; family |
|  | Z58011 | Counselling; conflict resolution |
| Counselling/advice-relaxation | P45007 | Advice/education; relaxation |
|  | P58011 | Counselling; relaxation |
|  | P58017 | Counselling; stress management |
| Counselling/advice—smoking | P45004 | Advice/education; smoking |
|  | P58008 | Counselling; smoking |
| Counselling/advice—STDs | A45012 | Advice/education; STD |
|  | A58008 | Counselling; STDs |
|  | X58004 | Counselling; STDs; female |
|  | Y58004 | Counselling; STDs; male |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Clinical treatments (continued) |  |  |
| Counselling—problem | A58002 | Counselling; problem |
|  | A58003 | Counselling; individual |
|  | B58001 | Counselling; problem; blood |
|  | D58001 | Counselling; problem; digestive |
|  | F58001 | Counselling; problem; eye |
|  | H58001 | Counselling; problem; ear |
|  | K58001 | Counselling; problem; cardiovascular |
|  | L58001 | Counselling; problem; musculoskeletal |
|  | N58001 | Counselling; problem; neurological |
|  | R58001 | Counselling; problem; respiratory |
|  | S58001 | Counselling; problem; skin |
|  | T58001 | Counselling; problem; endocrine/metabolic |
|  | U58001 | Counselling; problem; urology |
|  | W58003 | Counselling; problem; reproductive |
|  | X58001 | Counselling; problem; genital; female |
|  | X58003 | Counselling; sexual; physical; female |
|  | Y58001 | Counselling; problem; genital; male |
|  | Y58003 | Counselling; sexual; physical; male |
|  | Z58002 | Counselling; problem; social |
| Counselling—psychological | P45013 | Anger management |
|  | P58001 | Counselling; psychiatric |
|  | P58002 | Psychotherapy |
|  | P58004 | Counselling; psychological |
|  | P58005 | Counselling; sexual; psychological |
|  | P58006 | Counselling; individual; psychological |
|  | P58007 | Counselling; bereavement |
|  | P58013 | Counselling; anger |
|  | P58014 | Counselling; self-esteem |
|  | P58015 | Counselling; assertiveness |
|  | P58018 | Therapy; group |
|  | P58019 | Cognitive behavioural therapy |
|  | P58022 | Counselling; body image |

(continued)

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group ICPC-2 rubric | ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Clinical treatments (continued) |  |  |
| Family planning | A98002 | Counselling; genetic female |
|  | A98003 | Counselling; genetic male |
|  | W14002 | Family planning; female |
|  | W45006 | Advice/education; preconceptual |
|  | W45007 | Advice/education; contraception; female |
|  | W45008 | Advice/education; family planning; female |
|  | W58001 | Counselling; abortion |
|  | W58005 | Counselling; terminate pregnancy |
|  | W58007 | Counselling; preconceptual |
|  | W58012 | Counselling; sterilisation; female |
|  | W58013 | Counselling; family planning; female |
|  | Y14001 | Family planning; male |
|  | Y45006 | Advice/education; family planning; male |
|  | Y45007 | Advice/education; contraception; female |
|  | Y58005 | Counselling; sterilisation; male |
|  | Y58006 | Counselling; family planning; male |
| Observe/wait | A45001 | Observe/wait |
|  | B45001 | Observe/wait; blood |
|  | D45001 | Observe/wait; digestive |
|  | F45001 | Observe/wait; eye |
|  | H45001 | Observe/wait; ear |
|  | K45001 | Observe/wait; cardiovascular |
|  | L45001 | Observe/wait; musculoskeletal |
|  | N45001 | Observe/wait; neurological |
|  | P45002 | Observe/wait; psychological |
|  | R45001 | Observe/wait; respiratory |
|  | S45001 | Observe/wait; skin |
|  | T45001 | Observe/wait; endocrine/metabolic |
|  | U45001 | Observe/wait; urology |
|  | W45003 | Observe/wait; reproductive |
|  | X45001 | Observe/wait; genital; female |
|  | Y45001 | Observe/wait; genital; male |
|  | Z45001 | Observe/wait; social |
| Other admin/document | -62 (excluding A62008 and A62014) |  |
| Reassurance, support | A58010 | Reassurance/support |
| Sickness certificate | A62008 | Admin; certificate; sickness |
|  | A62014 | Admin; certificate; workers' compensation |

(continued)

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2/ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Procedures |  |  |
| Incision/drainage/flushing/aspiration/ removal body fluid | -51 |  |
| Excision/removal tissue/biopsy/ destruction/debridement/cauterisation | -52 |  |
| Repair/fixation-suture/cast/prosthetic device (apply/remove) | -54 |  |
| Local injection/infiltration | -55 |  |
|  | A50006 | Injection |
|  | A50007 | Injection; allergy |
|  | A50008 | Injection; desensitisation |
|  | B50001 | Injection; iron |
|  | B50007 | Injection; blood |
|  | B50008 | Injection; immunoglobulins |
|  | D50006 | Injection; digestive |
|  | F50006 | Injection; eye |
|  | H50006 | Injection; ear |
|  | K50006 | Injection; cardiovascular |
|  | L50007 | Injection; musculoskeletal |
|  | N50005 | Injection; neurological |
|  | P50006 | Injection; psychological |
|  | R50005 | Injection; respiratory |
|  | S50006 | Injection; skin |
|  | T50006 | Injection; endocrine/metabolic |
|  | T50007 | Injection; vitamin; B12 |
|  | T50008 | Injection; hormone |
|  | T50009 | Injection; vitamin |
|  | U50006 | Injection; urological |
|  | W50006 | Injection; reproductive |
|  | X50006 | Injection; genital; F |
|  | Y50005 | Injection; genital; M |
| Dressing/pressure/compression/tamponade | -56 |  |
| Physical medicine/rehabilitation | -57 |  |
| Other therapeutic procedures/minor surgery NEC | -59 |  |
|  | A50009 | Chemotherapy |
|  | A50011 | Refill; Dosette box |
|  | A50012 | Refill; Webster pack |
| Check-up-practice nurse | A30031 | School screening |
|  | -31 (excluding A31015) | Medical examination/health evaluation, partial |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2/ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Clinical measurements |  |  |
| Diagnostic endoscopy | -40 |  |
| Electrical tracings | -42 |  |
| Glucose test | T34005 | Test; glucose |
| International normalised ratio test | B34025 | Test; INR |
| Other diagnostic procedures | -43 |  |
|  | A31015 | Assessment; ADL |
| Other preventive procedures/high-risk medication | -49 |  |
|  | A31027 | Assessment; physical fitness |
|  | X31001 | Exam; breast |
|  | X31005 | Check-up; breast |
|  | Y31003 | Check-up; prostate |
| Pap smear | X37001 | Pap smear |
|  | X37003 | Test; cytology; genital; female |
|  | X37004 | Vault smear |
|  | X37005 | Pap smear; thin prep |
| Physical function test | -39 |  |
| Urine test | A35001 | Test; urine |
|  | A35002 | Urinalysis |
|  | B35001 | Test; urine; blood |
|  | D35001 | Test; urine; digestive |
|  | P35001 | Test; urine; psychological |
|  | T35001 | Test; urine; endocrine/metabolic |
|  | U35002 | Test; urine; urology |
|  | W35001 | Test; urine; reproductive |
|  | X35001 | Test; urine; genital; female |
|  | Y35001 | Test; urine; genital; male |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2/ICPC-2 PLUS code | ICPC-2/ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Referrals |  |  |
| Allied health services | -66 | Referral to other provider/nurse/therapist/social worker |
|  | $\begin{aligned} & \text {-68 (excluding A68011; } \\ & \text { R68004; Z68003;Z68004; } \\ & \text { Z68007 and Z68008) } \end{aligned}$ | Other referrals NEC |
|  | Z67002 | Referral; respite care |
| Specialist | -67 (excluding A67010; <br> A67011; A67018; A67020; <br> A67022; A67015; P67005 and Z67002) | Referral to physician/specialist/clinic/hospital |
| Emergency department | A67011 | Referral; accident and emergency |
| Hospital | A67010 | Referral; hospital |
|  | A67015 | Referral; hospice |
|  | A67022 | Admission; hospital |
|  | P67005 | Referral; hospital; psychiatrist |
| Other medical services | A67018 | Referral; OPD |
|  | A67020 | Referral; general practitioner |
| Other referrals | A68011 | Referral |
|  | R68004 | Referral; hyperbaric treatment |
|  | Z68003 | Referral; financial/legal services |
|  | Z68004 | Referral; police |
|  | Z68007 | Referral; women's shelter |
|  | Z68008 | Referral; Centrelink |
| Pathology test orders (MBS groups) |  |  |
| Chemistry |  |  |
| Amylase | D34004 | Test; amylase |
| B12 | B34015 | Test; B12 |
|  | D34009 | Test; Schillings |
| C reactive protein | A34005 | Test; C reactive protein |
| Calcium/phosphate/magnesium | A34006 | Test; calcium |
|  | A34013 | Test; phosphate |
|  | A34024 | Test; calcium phosphate |
|  | A34038 | Test; magnesium |
|  | T34031 | Test; Vitamin D |
| Cardiac enzymes | D34005 | Test; aspartate aminotransferase |
|  | K34003 | Test; cardiac enzymes |
|  | K34004 | Test; creatine kinase |
|  |  | (continued) |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Chemistry; other | A33023 | Test; alpha fetoprotein |
|  | A33026 | Test; cancer antigen 125 |
|  | A33027 | Test; cancer antigen 15.3 |
|  | A33028 | Test; cancer antigen 19.9 |
|  | A33029 | Test; carcinoembryonic antigen |
|  | A33037 | Test; TAG |
|  | A33041 | Test; cancer antigen |
|  | A33050 | Test; tumour marker |
|  | A34015 | Test; protein |
|  | A34018 | Vitamin assay |
|  | A34019 | Test; lead |
|  | A34020 | Test; blood gas analysis |
|  | A34022 | Test; mineral |
|  | A34023 | Test; zinc |
|  | A34025 | Test; DHEAS |
|  | A34030 | Test; biochemistry |
|  | A34031 | Test; blood alcohol |
|  | A34032 | Test; prolactin |
|  | A34033 | Test; testosterone |
|  | A34037 | Test; Glutathione S-transferase |
|  | A34040 | Test; renin |
|  | A35004 | Test; urine sodium |
|  | A35007 | Test; urine; albumin |
|  | A35008 | Test; albumin creatine ratio |
|  | B34023 | Test; transferrin |
|  | B34035 | Test; angiotensin-converting enzymes |
|  | D34002 | Test; alanine aminotransferase |
|  | D35002 | Test; 5-HIAA |
|  | K34001 | Test; blood; digitalis |
|  | K34006 | Test; amino acids |
|  | K34007 | Test; troponin |
|  | K34009 | Test; homocysteine |
|  | K34010 | Test; BNP |
|  | N34001 | Test; blood; phenylhydantoin |
|  | P34003 | Test; methadone |
|  | T34018 | Test; androgens |
|  | T34019 | Test; insulin |

(continued)

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Chemistry; other (continued) | T34021 | Test; C peptide |
|  | T34029 | Test; aldosterone |
|  | T34030 | Test; parathyroid hormone |
|  | T34035 | Test; lipase |
|  | T34036 | Test; osmolality; blood |
|  | T35002 | Test; catecholamines |
|  | T35003 | Test; iodine |
|  | U35003 | Test; osmolallity; urine |
|  | W34008 | Test; PAPPA |
|  | W38002 | Amniocentesis |
|  | Y34010 | Test; HCG; M |
| Drug screen | A34002 | Drug assay |
|  | A34026 | Blood drug screen |
|  | A34027 | Blood screen |
|  | A35003 | Drug screen |
|  | A35005 | Urine drug screen |
|  | K34005 | Test; digoxin |
|  | N34003 | Test; phenytoin |
|  | N34004 | Test; valproate |
|  | N34005 | Test; carbamazepine |
|  | P34002 | Test; lithium |
| Electrolytes, urea and creatinine | A34007 | Test; chloride |
|  | A34008 | Test; electrolytes |
|  | A34010 | Test; electrolytes, urea and creatinine |
|  | A34014 | Test; potassium |
|  | A34017 | Test; sodium |
|  | A34029 | Test; U\&E |
|  | A34034 | Test; E\&C |
|  | U34002 | Test; creatinine |
|  | U34003 | Test; urea |
|  | U34005 | Test; BUN |
|  | U34007 | Glomerular filtration rate |
|  | U38006 | Test; renal function |

(continued)

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| HbA1c | T34010 | Test; HbA1c |
|  | T34017 | Test; fructosamine |
|  | T34022 | Test; HBA1 |
| Ferritin | B34016 | Test; ferritin |
|  | B34019 | Test; iron studies |
| Folic acid | B34017 | Test; folic acid |
|  | B34024 | Test; folate |
| Glucose/tolerance | T34005 | Test; glucose |
|  | T34009 | Test; glucose tolerance |
|  | T34023 | Test; glucose (fasting/random) |
|  | T34025 | Test; glucose; fasting |
|  | T34026 | Test; glucose; random |
|  | T34038 | Test; glucose challenge |
| Hormone assay | A34003 | Hormone assay |
|  | D33015 | Test; anti gliadin antibody |
|  | T34007 | Test; cortisol |
|  | T34033 | Test; anti-diuretic hormone |
|  | T34034 | Test; ACTH |
|  | W34005 | Test; HCG |
|  | W34006 | Test; B HCG level (titre/quant) |
|  | X34002 | Test; LH |
|  | X34003 | Test; progesterone |
|  | X34004 | Test; oestradiol |
|  | X34005 | Test; FSH; female |
|  | X34006 | Test; SHBG; female |
|  | X34007 | Test; free androgen index; female |
| Hormone assay (continued) | Y34004 | Test; SHBG; male |
|  | Y34005 | Test; free androgen index; male |
|  | Y34006 | Test; FSH; male |
|  | Y34007 | Test; LH; male |
|  | Y34008 | Test; oestradiol; male |
|  | Y34009 | Test; progesterone; male |
| Lactose intolerance | D38002 | Test; lactose intolerance |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Lipids | T34001 | Check-up; cholesterol |
|  | T34004 | Test; lipids profile |
|  | T34006 | Test; cholesterol |
|  | T34011 | Test; cholesterol HDL |
|  | T34013 | Test; cholesterol LDL |
|  | T34016 | Test; triglycerides |
|  | T34020 | Test; free fatty acids |
|  | T34024 | Test; cholesterol/triglycerides |
| Liver function | A34004 | Test; albumin |
|  | D34003 | Test; alkaline phosphatase |
|  | D34006 | Test; bilirubin |
|  | D34007 | Test; gGT |
|  | D34008 | Test; liver function |
|  | T34012 | Test; LDH |
| Multi-biochemical analysis | A34012 | Test; multi-biochemical analysis |
|  | A34021 | Test; E \& LFT |
| Prostate specific antigen | Y34002 | Test; acid phosphatase |
|  | Y34003 | Test; prostate specific antigen |
| Thyroid function | T34015 | Test; thyroid function |
|  | T34027 | Test; thyroxine |
|  | T34028 | Test; TSH |
|  | T34037 | Test; thyroid peroxidase |
| Urate/uric acid | U34004 | Test; urate/uric acid |
| Cytopathology |  |  |
| Cytology | A37002 | Test; cytology |
|  | B37003 | Test; cytology; blood |
|  | D37002 | Test; cytology; digestive |
|  | F37002 | Test; cytology; eye |
|  | H37002 | Test; cytology; ear |
|  | K37002 | Test; cytology; cardiovascular |
|  | L37002 | Test; cytology; musculoskeletal |
| Cytology (continued) | N37002 | Test; cytology; neurological |
|  | R37002 | Test; cytology; respiratory |
|  | R37003 | Test; sputum cytology |
|  | S37002 | Test; cytology; skin |
|  | T37002 | Test; cytology; endocrine/metabolic |
|  | U37002 | Test; cytology; urology |
|  | W37002 | Test; cytology; reproduction |
|  | Y37002 | Test; cytology; genital; male |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Pap smear | X37001 | Pap smear |
|  | X37003 | Test; cytology; genital; female |
|  | X37004 | Vault smear |
|  | X37005 | Pap smear; thin prep |
| Haematology |  |  |
| Blood grouping and typing | B33001 | Test; Coombs |
|  | B33002 | Test; blood grouping \& typing |
|  | B33009 | Test; blood group |
|  | B33013 | Test; blood; cross match |
| Blood; other | A33042 | Test; lymphocyte type \& count |
|  | A34035 | Test; blood film |
|  | A34036 | Test; blood thick film |
|  | B33003 | RH; antibody titre |
|  | B34005 | Test; blood; platelets |
|  | B34007 | Test; blood; sickle cell |
|  | B34021 | Test; reticulocyte count |
|  | B34031 | Test; haemoglobin epg |
|  | B34032 | Test; packed cell volume |
|  | B34033 | Test; blood; blood |
|  | B37001 | Exam; bone marrow |
| Coagulation | B34003 | Test; coagulation time |
|  | B34006 | Test; part thromboplastin time |
|  | B34009 | Test; prothrombin time |
|  | B34014 | Test; APTT |
|  | B34022 | Test; thrombin time |
|  | B34025 | Test; INR |
|  | B34026 | Test; fibrinogen |

(continued)

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Coagulation (continued) | B34028 | Test; bleeding time |
|  | B34029 | Test; coagulation screen |
|  | K34008 | Test; D-Dimer |
| Erythrocyte sedimentation rate | A34009 | Test; ESR |
| Full blood count | A34011 | Test; full blood count |
| Haemoglobin | B34018 | Test; haemoglobin |
| Tissue pathology (histopathology) |  |  |
| Histology; skin | S37001 | Test; histopathology; skin |
| Histology; other | A37001 | Test; histopathology |
|  | B37002 | Test; histopathology; blood |
|  | D37001 | Test; histopathology; digestive |
|  | F37001 | Test; histopathology; eye |
|  | H37001 | Test; histopathology; ear |
|  | K37001 | Test; histopathology; cardiovascular |
|  | L37001 | Test; histopathology; musculoskeletal |
|  | N37001 | Test; histopathology; neurological |
|  | R37001 | Test; histopathology; respiratory |
|  | T37001 | Test; histopathology; endocrine/metabolic |
|  | U37001 | Test; histopathology; urology |
|  | W37001 | Test; histopathology; reproductive |
|  | X37002 | Test; histopathology; genital; female |
|  | X37006 | Test; histopathology; breast; female |
|  | Y37001 | Test; histopathology; genital; male |
|  | Y37003 | Test; histopathology; breast; male |
| Immunology |  |  |
| Anti-nuclear antibodies | L33004 | Test; anti-nuclear antibodies |
| Immunology; other | A32001 | Test; sensitivity |
|  | A33005 | Test; immunology |
|  | A33011 | Test; HLA |
|  | A33024 | Test; bone marrow surface mark |
|  | A33025 | Test; serum electrophoresis |
|  | A33048 | Test; ENA |
|  | A34038 | Test; magnesium |
|  | A33051 | Test; immune status |
|  | A33052 | Test; skin patch |
|  | A33055 | Test; allergy |
|  | A33056 | Test; PCR |
|  |  | (con |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Immunology; other (continued) | A38004 | Test; DNA |
|  | A34041 | Test; complement |
|  | B33005 | Test; immunology; blood |
|  | B33007 | Test; immunoglobulins |
|  | B33011 | Test; lgE |
|  | B34027 | Test; FBC for surface markers |
|  | B34030 | Test; intrinsic factor |
|  | B34034 | Test; parietal cell antibody |
|  | D32001 | Test; sensitivity; digestive |
|  | D33004 | Test; immunology; digestive |
|  | D33014 | Test; endomysial antibody |
|  | D33028 | Test; mitochondrial antibodies |
|  | D33031 | Test; anti-tissue transglutaminase |
|  | D34010 | Test; transglutamase |
|  | F33002 | Test; immunology; eye |
|  | H33002 | Test; immunology; ear |
|  | K33002 | Test; immunology; cardiovascular |
|  | K33003 | Test; ANCA |
|  | L33003 | Test; immunology; musculoskeletal |
|  | L34001 | Test; lupus erythematosus; cell prep |
|  | N33002 | Test; immunology; neurological |
|  | R32004 | Test; sensitivity; respiratory |
|  | R33004 | Test; immunology; respiratory |
|  | S32001 | Test; sensitivity; skin |
|  | S33002 | Test; immunology; skin |
|  | T33002 | Test; immunology; endocrine/metabolic |
|  | U33003 | Test; immunology; urology |
|  | W33007 | Test; immunology; reproductive |
|  | X33002 | Test; immunology; genital; female |
|  | Y33002 | Test; immunology; genital; male |
| RAST | A34016 | Test; RAST |
| Rheumatoid factor | L33001 | Test; rheumatoid factor |
| Infertility/pregnancy | W33002 | Test; pregnancy |
|  | W34002 | Test; blood; pregnancy |
|  | W34003 | Test; antenatal |
|  | W34007 | Test; pregnancy screen |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Infertility/pregnancy (continued) | W35003 | Test; urine; HCG |
|  | Y38002 | Test; sperm count |
|  | Y38003 | Test; semen examination |
| Microbiology |  |  |
| Antibody | A33003 | Test; antibody |
| Cervical swab | X33004 | Test; cervical swab M,C\&S |
| Chlamydia | A33006 | Test; chlamydia |
|  | A33034 | Test; chlamydia direct immunofl |
|  | X33006 | Test; viral culture; genital; female |
| Ear swab and C\&S | H33003 | Test; ear swab M,C\&S |
| Faeces M,C\&S | D33002 | Stool(s); culture |
|  | D33008 | Test; faeces M, C\&S |
|  | D36001 | Test; faeces; cyst/ova/parasite |
| Fungal ID/sensitivity | A33008 | Test; fungal ID/sensitivity |
|  | A33030 | Test; skin scraping fungal M,C\&S |
| Hepatitis serology | D33005 | Test; hepatitis A serology |
|  | D33006 | Test; hepatitis B serology |
|  | D33007 | Test; hepatitis C serology |
|  | D33010 | Test; hepatitis D serology |
|  | D33011 | Test; hepatitis E serology |
|  | D33013 | Test; hepatitis serology |
|  | D33016 | Test; hepatitis C antibody |
|  | D33017 | Test; hepatitis B antigen |
|  | D33018 | Test; hepatitis A antibody |
|  | D33019 | Test; hepatitis B antibody |
|  | D33020 | Test; hepatitis D antibody |
|  | D33021 | Test; hepatitis E antibody |
|  | D33022 | Test; hepatitis A antigen |
|  | D33023 | Test; hepatitis C antigen |
|  | D33024 | Test; hepatitis D antigen |
|  | D33025 | Test; hepatitis E antigen |
|  | D33026 | Test; hepatitis antibody |
|  | D33027 | Test; hepatitis antigen |
| HIV | A33021 | Test; cytomegalovirus serology |
|  | B33006 | Test; HIV |
|  | B33008 | Test; AIDS screen |
|  | B33012 | Test; HIV viral load |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| H pylori | D33009 | Test; H Pylori |
|  | D33029 | Test; breath; H Pylori |
|  | D33030 | Test; blood; H Pylori |
| Microbiology; other | A33004 | Test; microbiology |
|  | A33007 | Test; culture and sensitivity |
|  | A33012 | Test; mycoplasma serology |
|  | A33013 | Test; parvovirus serology |
|  | A33015 | Test; Barmah forest virus |
|  | A33016 | Test; Antistreptolysin O Titre |
|  | A33017 | Test; herpes simplex culture |
|  | A33019 | Test; herpes simplex serology |
|  | A33020 | Test; toxoplasmosis serology |
|  | A33033 | Test; swab M,C\&S |
|  | A33035 | Test; serology |
|  | A33036 | Antibodies screen |
|  | A33038 | Test; rapid plasma regain |
|  | A33039 | Test; viral swab M,C\&S |
|  | A33040 | Test; viral serology |
|  | A33043 | Test; HPV |
|  | A33044 | Test; Brucella |
|  | A33045 | Test; fungal M, C\&S |
|  | A33046 | Test; measles virus antibodies |
|  | A33047 | Test; Rickettsial serology |
|  | A33049 | Test; infectious mononucleosis |
|  | A33053 | Test; Bartonella |
|  | A33054 | Test; MC\&S |
|  | A33058 | Test; dengue fever |
|  | A34028 | Test; blood culture |
|  | A34039 | Test; Q fever |
|  | B33004 | Test; microbiology; blood |
|  | D33003 | Test; microbiology; digestive |
|  | D33012 | Test; rotavirus |
|  | F33001 | Test; microbiology; eye |
|  | F33003 | Test; eye swab M,C\&S |
|  | H33001 | Test; microbiology; ear |
|  | K33001 | Test; microbiology; cardiovascular |
|  | L33002 | Test; microbiology; musculoskeletal |
|  | N33001 | Test; microbiology; neurological |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Microbiology; other (continued) | R32005 | Test; quantiferon |
|  | R33001 | Culture; tuberculosis |
|  | R33002 | Culture; throat |
|  | R33003 | Test; microbiology; respiratory |
|  | R33009 | Test; influenza serology |
|  | R33010 | Test; Legionnaires antibodies |
|  | R33011 | Test; RSV |
|  | S33001 | Test; microbiology; skin |
|  | S33005 | Test; varicella zoster serology |
|  | S33006 | Test; varicella zoster culture |
|  | S33007 | Test; nail M,C\&S |
|  | T33001 | Test; microbiology; endocrine/metabolic |
|  | U33002 | Test; microbiology; urology |
|  | W33006 | Test; microbiology; reproductive |
|  | W34004 | Test; antenatal serology |
|  | X33001 | Test; microbiology; genital; female |
|  | X33003 | Culture; gonococcal; female |
|  | Y33001 | Test; microbiology; genital; male |
|  | Y33003 | Culture; gonococcal; male |
|  | Y33004 | Test; viral culture; genital; male |
|  | Y33005 | Test; urethral/penile swab |
| Monospot | A33002 | Test; monospot |
|  | A33014 | Test; Paul Bunnell |
|  | A33031 | Test; Epstein Barr virus serology |
|  | A33032 | Test; Epstein Barr virus |
| Nose swab C\&S | R33008 | Test; nose swab M,C\&S |
| Pertussis | R33007 | Test; pertussis |
| Ross River fever | A33009 | Test; Ross River Fever |
| Rubella | A33001 | Test; rubella |
| Skin swab C\&S | S33003 | Test; skin swab M,C\&S |
| Sputum C\&S | R33005 | Test; sputum M,C\&S |
| Throat swab C\&S | R33006 | Test; throat swab M,C\&S |
| Urine M, C\&S | U33001 | Test; culture; urine |
|  | U33004 | Test; urine M, C\&S |
| Vaginal swab and M,C\&S | X33005 | Test; vaginal swab M,C\&S |
| Venereal disease | A33010 | Test; venereal disease |
|  | A33022 | Test; syphilis serology |
|  | A33057 | STI screen |

(continued)

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Simple basic tests | B35001 | Test; urine; blood |
|  | D36003 | Test; occult blood |
|  | R32001 | Test; Mantoux |
|  | R32002 | Test; tuberculin |
|  | W35003 | Test; urine; HCG |
|  | W35004 | Test; urine; pregnancy |
| Other NEC |  |  |
| Blood test | A34001 | Test; blood |
| Urine test | A35001 | Test; urine |
|  | A35006 | Test; urine; FWT |
| Urinalysis | A35002 | Urinalysis |
| Faeces test | A36001 | Test; faeces |
| Other pathology test NEC | A38001 | Test; other lab |
|  | A38002 | Pathology |
|  | A38003 | Test; genetic |
|  | A38005 | Test; disease screen |
|  | B38001 | Test; other lab; blood |
|  | D34001 | Test; blood; digestive |
|  | D35001 | Test; urine; digestive |
|  | D36002 | Test; faeces; digestive |
|  | D38001 | Test; other lab; digestive |
|  | F34001 | Test; blood; eye |
|  | F38001 | Test; other lab; eye |
|  | H34001 | Test; blood; ear |
|  | H38001 | Test; other lab; ear |
|  | K34002 | Test; blood; cardiovascular |
|  | K38001 | Test; other lab; cardiovascular |
|  | L34003 | Test; blood; musculoskeletal |
|  | L38001 | Test; other lab; musculoskeletal |
|  | N34002 | Test; blood; neurological |
|  | N38001 | Test; other lab; neurological |
|  | P34001 | Test; blood; psychological |
|  | P35001 | Test; urine; psychological |
|  | P38001 | Test; other lab; psychological |
|  | R34001 | Test; blood; respiratory |
|  | R38001 | Test; other lab; respiratory |
|  | S34001 | Test; blood; skin |
|  | S38001 | Test; other lab; skin |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Pathology test orders (continued) |  |  |
| Other pathology test NEC (continued) | T34002 | Test; blood; endocrine/metabolic |
|  | T35001 | Test; urine; endocrine/metabolic |
|  | T38001 | Test; other lab; endocrine/metabolic |
|  | U34001 | Test; blood; urology |
|  | U35002 | Test; urine; urology |
|  | U38001 | Test; other lab; urology |
|  | W34001 | Test; blood; reproductive |
|  | W35001 | Test; urine; reproductive |
|  | W38001 | Test; other lab; reproductive |
|  | X34001 | Test; blood; genital; female |
|  | X35001 | Test; urine; genital; female |
|  | X38001 | Test; other lab; genital; female |
|  | Y34001 | Test; blood; genital; male |
|  | Y35001 | Test; urine; genital; male |
|  | Y38001 | Test; other lab; genital; male |
|  | Z38001 | Test; other lab; social |
| Imaging test orders (MBS groups) |  |  |
| Diagnostic radiology | A41001 | Radiology; diagnostic |
|  | A41002 | X-ray; chest |
|  | A41006 | X-ray; abdomen |
|  | A41007 | Imaging other |
|  | A41010 | Radiology |
|  | A41014 | Test; imaging; contrast/special |
|  | B41001 | Radiology; diagnostic; blood |
|  | D41001 | Gl series |
|  | D41003 | Radiology; diagnostic; digestive |
|  | D41006 | X-ray; oesophagus |
|  | D41007 | X-ray; biliary ducts |
|  | D41008 | X-ray; digestive tract |
|  | D41009 | X-ray; mouth |
|  | D41012 | X-ray; dental |
|  | D41015 | Barium enema |
|  | D41016 | Barium meal |
|  | D41017 | Barium swallow |
|  | D41019 | X-ray; salivary gland |
|  | D41020 | X-ray; gallbladder |
|  | F41001 | Radiology; diagnostic; eye |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Imaging test orders (continued) |  |  |
| Diagnostic radiology (continued) | F41002 | X-ray; eye |
|  | H41001 | Radiology; diagnostic; ear |
|  | H41002 | X-ray; ear |
|  | K41002 | Radiology; diagnostic; cardiovascular |
|  | K41003 | Cardiogram |
|  | K41005 | Angiography; coronary |
|  | K41006 | Angiography; femoral |
|  | K41007 | Angiography; cerebral |
|  | K41011 | Angiogram |
|  | K41012 | Angiogram; coronary |
|  | K41013 | Angiogram; cerebral |
|  | K41014 | Angiogram; femoral |
|  | L41001 | Arthrogram |
|  | L41003 | X-ray; bone(s) |
|  | L41004 | Plain x-ray; bone(s) |
|  | L41005 | Radiology; diagnostic; musculoskeletal |
|  | L41013 | X-ray; elbow |
|  | L41014 | X-ray; hand |
|  | L41015 | X-ray; wrist |
|  | L41016 | X-ray; knee |
|  | L41017 | X-ray; hip |
|  | L41018 | X-ray; neck |
|  | L41019 | X-ray; pelvis |
|  | L41020 | X-ray; shoulder |
|  | L41021 | X-ray; lumbosacral |
|  | L41022 | X-ray; cervical |
|  | L41023 | X-ray; thoracic |
|  | L41024 | X-ray; spinal |
|  | L41025 | X-ray; joint(s) |
|  | L41026 | X-ray; foot/feet |
|  | L41027 | X-ray; ankle |
|  | L41028 | X-ray; leg |
|  | L41029 | X-ray; ribs |
|  | L41030 | X-ray; face |
|  | L41032 | X-ray; arm |
|  | L41033 | X-ray; spine; lumbar |
|  | L41034 | X-ray; spine; sacrum |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Imaging test orders (continued) |  |  |
| Diagnostic radiology (continued) | L41035 | X-ray; spine; coccyx |
|  | L41036 | X-ray; finger(s)/thumb |
|  | L41037 | X-ray; toe(s) |
|  | L41038 | X-ray; heel |
|  | L41039 | X-ray; tibia/fibula |
|  | L41040 | X-ray; femur |
|  | L41041 | X-ray; radius/ulna |
|  | L41042 | X-ray; clavicle |
|  | L41043 | X-ray; humerus |
|  | L41044 | X-ray; jaw |
|  | L41045 | X-ray; temporomandibular joint |
|  | L41060 | X-ray; spine; cervicothoracic |
|  | L41061 | X-ray; spine; sacrococcygeal |
|  | L41062 | X-ray; spine; thoracolumbar |
|  | L41063 | X-ray; back |
|  | L41064 | X-ray; back lower |
|  | L41065 | X-ray; forearm |
|  | L41066 | X-ray; leg lower |
|  | L41067 | X-ray; metacarpal |
|  | L41068 | X-ray; metatarsal |
|  | L43003 | Test; densitometry |
|  | N41001 | Radiology; diagnostic neurological |
|  | N41004 | X-ray; skull |
|  | P41001 | Radiology; diagnostic; psychological |
|  | R41001 | Radiology; diagnostic; respiratory |
|  | R41002 | X-ray; sinus |
|  | R41003 | X-ray; nose |
|  | S41001 | Radiology; diagnostic; skin |
|  | T41001 | Radiology; diagnostic; endocrine/metabolic |
|  | T41003 | X-ray; endocrine/metabolic |
|  | U41001 | Pyelogram; intravenous |
|  | U41002 | Pyelogram; retrograde |
|  | U41005 | Radiology; diagnostic; urology |
|  | U41007 | X-ray; urinary tract |
|  | U41008 | X-ray; kidney/ureter/bladder |
|  | U41011 | Intravenous urogram |
|  | U41013 | Cystogram |
|  | W41002 | Radiology; diagnostic; reproductive |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Treatment group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Imaging test orders (continued) |  |  |
| Diagnostic radiology (continued) | W41003 | X-ray; uterus |
|  | X41001 | Mammography; female |
|  | X41002 | Mammography; request; female |
|  | X41003 | Thermography; breast |
|  | X41005 | Radiology; diagnostic; genital; female |
|  | X41007 | X-ray; breast; female |
|  | Y41001 | Radiology; diagnostic; genital; male |
|  | Y41009 | Mammography; male |
|  | Y41010 | Mammography; request; male |
|  | Y41011 | X-ray; breast; male |
| Ultrasound | A41012 | Ultrasound |
|  | A41015 | Ultrasound; abdomen |
|  | A41017 | Ultrasound; chest |
|  | A41021 | Ultrasound; inguinal |
|  | A41022 | Ultrasound; abdomen; upper |
|  | A41023 | Ultrasound; abdomen; lower |
|  | A41024 | Ultrasound; pelvis |
|  | B41002 | Ultrasound; spleen |
|  | B41003 | Ultrasound; lymph node |
|  | D41013 | Ultrasound; gallbladder |
|  | D41014 | Ultrasound; liver |
|  | D41021 | Ultrasound; salivary |
|  | K41001 | Echocardiography |
|  | K41016 | Ultrasound; cardiac |
|  | K43003 | Test; Doppler |
|  | K43004 | Test; Doppler carotid |
|  | K43005 | Scan; duplex |
|  | L41046 | Ultrasound; neck |
|  | L41047 | Ultrasound; pelvis |
|  | L41048 | Ultrasound; shoulder |
|  | L41049 | Ultrasound; spine |
|  | L41050 | Ultrasound; knee |
|  | L41051 | Ultrasound; elbow |
|  | L41070 | Ultrasound; wrist |
|  | L41071 | Ultrasound; ankle |
|  | L41072 | Ultrasound; groin |
|  | L41073 | Ultrasound; back |
|  | L41074 | Ultrasound; back lower |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Imaging test orders (continued) |  |  |
| Ultrasound (continued) | L41075 | Ultrasound; hand/finger(s) |
|  | L41076 | Ultrasound; foot/toe(s) |
|  | L41078 | Ultrasound; arm |
|  | L41079 | Ultrasound; leg |
|  | L41081 | Ultrasound; hip |
|  | N41005 | Ultrasound; brain |
|  | N41007 | Ultrasound; head |
|  | T41004 | Ultrasound; thyroid |
|  | U41009 | Ultrasound; renal tract |
|  | U41010 | Ultrasound; kidney |
|  | U41012 | Ultrasound; kidney/ureter/bladder |
|  | W41004 | Ultrasound; obstetric |
|  | W41005 | Ultrasound; nuchal translucency |
|  | X41009 | Ultrasound; breast; female |
|  | X41011 | Ultrasound; uterus (not pregnant) |
|  | Y41005 | Ultrasound; prostate |
|  | Y41006 | Ultrasound; scrotum |
|  | Y41008 | Ultrasound; breast; male |
| Computerised tomography | A41013 | CT scan |
|  | A41016 | CT scan; abdomen |
|  | A41018 | CT scan; chest |
|  | A41019 | CT scan; abdomen; upper |
|  | A41020 | CT scan; abdomen; lower |
|  | D41018 | CT scan; liver |
|  | D41022 | CT scan; oesophagus |
|  | D41023 | CT scan; biliary ducts |
|  | D41024 | CT scan; digestive tract |
|  | D41025 | CT scan; salivary gland |
|  | D41026 | CT scan; gallbladder |
|  | K41017 | CT scan; cardiac |
|  | L41052 | CT scan; neck |
|  | L41053 | CT scan; pelvis |
|  | L41054 | CT scan; spine |
|  | L41055 | CT scan; spine; cervical |
|  | L41056 | CT scan; spine; thoracic |
|  | L41057 | CT scan; spine; lumbar |
|  | L41058 | CT scan; spine; lumbosacral |
|  | L41059 | CT scan; spine; sacrum |

Table A4.1 (continued): Code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 PLUS code | ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Imaging test orders (continued) |  |  |
| Computerised tomography (continued) | L41069 | CT scan; spine; thoracolumbar |
|  | L41077 | CT scan; spine; cervicothoracic |
|  | L41080 | CT scan; leg |
|  | L41087 | CT scan; elbow |
|  | L41088 | CT scan; hand |
|  | L41089 | CT scan; wrist |
|  | L41090 | CT scan; knee |
|  | L41091 | CT scan; hip |
|  | L41092 | CT scan; shoulder |
|  | L41093 | CT scan; joint |
|  | L41094 | CT scan; foot/feet |
|  | L41095 | CT scan; ankle |
|  | L41096 | CT scan; arm |
|  | L41097 | CT scan; jaw |
|  | L41098 | CT scan; back |
|  | N41006 | CT scan; brain |
|  | N41008 | CT scan; head |
|  | R41004 | CT scan; sinus |
|  | R41006 | CT scan; lung |
|  | U41014 | CT scan; kidney |
|  | U41015 | CT scan; renal tract |
|  | U41016 | CT scan; kidney/ureter/bladder |
|  | W41006 | CT scan; uterus |
|  | X41010 | CT scan; breast; female |
|  | Y41007 | CT scan; breast; male |
| Nuclear medicine | A41009 | Nuclear medicine |
|  | A41011 | Isotope scan |
|  | K41015 | Scan; thallium heart |
|  | L41002 | Scan; bone(s) |
|  | R41005 | Scan; VQ (lung) |
| Magnetic resonance imaging | A41008 | MRI |

Notes: HbA1c—haemoglobin, type A1c ; NOS—not otherwise specified; STD—sexually-transmitted disease; NEC—not elsewhere classified; MBS—Medicare Benefits Schedule; EUC—electrolytes, urea and creatinine; LDL—low-density lipoprotein; HDL—high-density lipoprotein; ESR— erythrocyte sedimentation rate; M,C\&S—microscopy, culture and sensitivity; HIV—human immunodeficiency virus. '-code'-signifies that the concept includes all of the specified code across all chapters of ICPC-2 (excluding the $Z$ social chapter). Codes listed in this appendix are only those currently active within ICPC-2 PLUS.

## Appendix 5: Chronic code groups from ICPC-2 and ICPC-2 PLUS

Table A5.1: Chronic code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 rubric | ICPC-2 PLUS code | ICPC/ICPC-2 PLUS label |
| :---: | :---: | :---: | :---: |
| Chronic problems managed |  |  |  |
| Anxiety disorder | P74 |  | Anxiety disorder |
| Autism |  | P99005 | Autism |
|  |  | P99006 | Autism; child |
| Back syndrome with radiating pain | L86 |  | Back syndrome with radiating pain |
| Back syndrome without radiating pain (excluding arthritis and sprains/strains) |  | L84001 | Spondylosis |
|  |  | L84017 | Spondylosis; lumbar |
|  |  | L84018 | Degeneration; facet joint |
|  |  | L84019 | Fracture; compression; spine |
|  |  | L84022 | Spondylolisthesis |
|  |  | L84027 | Degeneration; spine |
| Chronic acne |  | S96002 | Acne; vulgaris |
|  |  | S96003 | Acne; conglobulate (cystic) |
|  |  | S96007 | Acne |
| Chronic arthritis | L88 |  | Rheumatoid/seropositive arthritis |
|  | L89 |  | Osteoarthrosis of hip |
|  | L90 |  | Osteoarthrosis of knee |
|  | L91 |  | Osteoarthrosis, other |
|  |  | L83010 | Arthritis; spine; cervical |
|  |  | L83011 | Osteoarthritis; spine; cervical |
|  |  | L84003 | Arthritis; spine |
|  |  | L84004 | Osteoarthritis; spine |
|  |  | L84009 | Osteoarthritis; spine; thoracic |
|  |  | L84010 | Osteoarthritis; spine; lumbar |
|  |  | L84011 | Osteoarthritis; lumbosacral |
|  |  | L84012 | Osteoarthritis; sacroiliac |
|  |  | L84023 | Arthritis; spine; thoracic |
|  |  | L84024 | Arthritis; spine; lumbar |
|  |  | L84025 | Arthritis; lumbosacral |
|  |  | L84026 | Arthritis; sacroiliac |
|  |  | L92006 | Arthritis; shoulder |

(continued)

Table A5.1 (continued): Chronic code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 rubric ICPC-2 PLUS code | ICPC/ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Chronic problems managed (continued) |  |  |
| Chronic arthritis (continued) | L92007 | Osteoarthritis; shoulder |
|  | L92011 | Humeroscapular periarthritis |
|  | S91002 | Arthritis; psoriatic |
| Chronic back pain | L02010 | Pain; back; chronic |
|  | L03012 | Pain; back low; chronic |
| Chronic fatigue syndrome | A04028 | Post viral syndrome |
|  | A04029 | Chronic fatigue syndrome |
|  | A04030 | Post viral fatigue syndrome |
|  | A04031 | Myalgic encephalomyelitis |
| Chronic rheumatic heart disease | K71002 | Disease; rheumatic; heart |
|  | K71005 | Stenosis; mitral; rheumatic |
|  | K71008 | Stenosis; aortic; rheumatic |
|  | K71010 | Carditis; rheumatic; chronic |
|  | K71012 | Myocarditis; rheumatic; chronic |
|  | K71013 | Pericarditis; rheumatic; chronic |
|  | K71015 | Stenosis; arterial; rheumatic |
| Chronic sinusitis | R75003 | Sinusitis; chronic |
|  | R75005 | Sinusitis; recurrent |
| Chronic viral hepatitis | D72003 | Hepatitis B |
|  | D72008 | Hepatitis C |
|  | D72009 | Hepatitis D |
|  | D72011 | Hepatitis E |
| Congenital anomaly, musculoskeletal | L82001 | Achondroplastic dwarf |
|  | L82003 | Clubfoot |
|  | L82007 | Lordosis; congenital |
|  | L82012 | Scoliosis; congenital |
|  | L82013 | Ehlers Danlos syndrome |
|  | L82014 | Talipes |
|  | L82015 | Curvature of spine; congenital |
|  | L82018 | Osteogenesis imperfecta |
|  | L82019 | Kyphosis; congenital |
|  | L82021 | Kyphoscoliosis; congenital |
|  | L82024 | Dislocation;hip; congenital |
|  | L82025 | Deformity;foot; congenital |
|  | L82027 | Plagiocephaly |

Table A5.1 (continued): Chronic code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 rubric | ICPC-2 PLUS code | ICPC/ICPC-2 PLUS label |
| :---: | :---: | :---: | :---: |
| Chronic problems managed (continued) |  |  |  |
| Congenital anomaly, musculoskeletal (continued) |  | L82028 | Cleidocranial dyostosis |
|  |  | L82029 | Hemimelia |
| Depressive disorder | P76 |  | Depressive disorder |
| Diabetes (non-gestational) | T89 |  | Diabetes, insulin dependent |
|  | T90 |  | Diabetes, non-insulin dependent |
| Hereditary haemolytic anaemia | B78 |  | Hereditary haemolytic anaemia |
| Hypertension (non-gestational) | K86 |  | Hypertension, uncomplicated |
|  | K87 |  | Hypertension, complicated |
| Hypertrophy tonsils/adenoids | R90 |  | Hypertrophy tonsils/adenoids |
| Ischaemic heart disease | K74 |  | Ischaemic heart disease with angina |
|  | K76 |  | Ischaemic heart disease without angina |
| Lipid disorders | T93 |  | Lipid disorders |
|  |  | T99075 | Lipodystrophy |
| Metabolic syndrome |  | T99084 | Metabolic syndrome |
|  |  | T99085 | Syndrome X |
| Neck syndrome (excluding arthritis and sprains/strains) |  | L83001 | Cervical spine syndrome |
|  |  | L83002 | Slipped; disc; cervical |
|  |  | L83003 | Disc syndrome; cervical |
|  |  | L83004 | Cervicobrachial syndrome |
|  |  | L83005 | Cervicocranial syndrome |
|  |  | L83006 | Disc degeneration; cervical |
|  |  | L83007 | Irritation; nerve root; cervical |
|  |  | L83008 | Spondylosis; cervical |
|  |  | L83009 | Torticollis |
|  |  | L83012 | Nerve root compression; cervical |
|  |  | L83016 | Spondylosis; myelopath; cervical |
|  |  | L83017 | Irritation; cervical |
|  |  | L83018 | Disc prolapse; cervical |
|  |  | L83021 | Neuritis; cervical |
|  |  | L83022 | Lesion; spinal disc; cervical |
|  |  | L83025 | Injury; whiplash; old |
|  |  | L83027 | Ruptured disc; cervical |
|  |  | L83028 | Nucleus pulp hernia; cervical |
|  |  | L83029 | Stenosis; spinal; cervical |

Table A5.1 (continued): Chronic code groups from ICPC-2 and ICPC-2 PLUS

| Group | ICPC-2 PLUS code | ICPC/ICPC-2 PLUS label |
| :---: | :---: | :---: |
| Chronic problems managed (continued) |  |  |
| Psoriasis (excluding arthritis) | 591003 | Arthropathy; psoriatic |
|  | S91004 | Guttate psoriasis |
|  | S91001 | Psoriasis |
|  | S91005 | Psoriatic finger/toe nail(s) |
| Shoulder syndrome (excluding arthritis) | L92001 | Bursitis; shoulder |
|  | L92008 | Capsulitis; adhesive |
|  | L92009 | Capsulitis; shoulder |
|  | L92015 | Epicondylitis; shoulder |
|  | L92002 | Fibrositis; shoulder |
|  | L92010 | Frozen shoulder |
|  | L92017 | Painful arc syndrome |
|  | L92012 | Rheumatism; shoulder |
|  | L92003 | Rotator cuff syndrome |
|  | L92004 | Shoulder syndrome |
|  | L92005 | Synovitis; shoulder |
|  | L92013 | Tendonitis; shoulder |
|  | L92016 | Tendonitis; supraspinatus |
|  | L92014 | Tenosynovitis; shoulder |

Note: The code groups listed in Appendix 5 are those that differ from other code groups used in the report (see Appendix 4), limiting analysis to only chronic conditions (see Glossary).

## List of tables

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[^0]:    Note: FTE-full-time equivalent; FRACGP—Fellow of the Royal Australian College of General practitioners; ACRRM-Fellow of the Australian College of Rural and Remote Medicine; DVA-Department of Veterans' Affairs; NESB—non-English-speaking background; SAND—Supplementary Analysis of Nominated Data.

[^1]:    (a) Missing data removed.
    (b) Data for all three groupings only available from 2003-04 onward.
    (c) The 2000-01 results for country of graduation may differ from those previously published, as data have been re-analysed to align with groupings used in subsequent years. For this variable $p=0.10-n o$ significant difference when comparing Australia with all overseas countries combined; $p<0.0001$-significant difference in the distribution of overseas countries where GPs had graduated from their primary medical degree compared with the proportion who had graduated in Australia.
    (d) Multiple responses were allowed.
    (e) Data refer to computer use at the major practice and may not reflect the use of computers by individual GPs for clinical and/or administrative purposes.
    (f) Data refer to computer use by individual GPs.

[^2]:    (a) The direction and type of change is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginally significant linear change, $\S$ indicates a non-linear significant or marginal
    $\mp \quad$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.

[^3]:    (a) A1 Medicare items—Group A includes: $3,4,13,19,20$; Group B includes: $23,24,25,33,35$; Group C includes: $36,37,38,40,43$; Group D includes: 44, 47, 48, 50, 51

[^4]:    0 The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change.

[^5]:    0 The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\boldsymbol{\uparrow} / \downarrow$ indicates a statistically significant change, $\S$ indicates a non-linear significant or marginal change, and - indicates

[^6]:    (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change

[^7]:    0 The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\boldsymbol{\uparrow} / \boldsymbol{\downarrow}$ indicates a statistically significant change, and $\S$ indicates a non-linear significant or marginal change Note: Cl—confidence interval.

[^8]:    Note: Cl -confidence interval; RFE—reason for encounter. Readers should note data have been re-analysed to reflect the 2004 changes to the ICPC- 2 component definitions, and differ from those previously published

[^9]:    $0 \quad$ The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change

[^10]:    (a) The direction and type of change is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change.
    $\mp$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.

[^11]:    (a) The direction and type of change is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow \downarrow \downarrow$ indicates a marginal change, § indicates a non-linear significant or marginal change,

[^12]:    Note: $\mathrm{Cl}-$ confidence interval.

[^13]:    (a) Missing data removed.
    (b) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, § indicates a non-linear significant or marginal change, and - indicates there

[^14]:    (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and -indicates there was no change.

[^15]:    (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change. $\mp \quad$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 problems managed.

[^16]:    (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, $\S$ indicates a non-linear significant or marginal change, and -indicates there was no change.

    * Includes multiple ICPC-2 or ICPC-2 PLUS codes (see Appendix 5).

[^17]:    (a) Rate of provision of clinical treatment for selected problem per 100 total selected problems.
    (b) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change.

    * Includes multiple ICPC-2 or ICPC-2 PLUS codes (see Appendix 4).

    Note: Cl -confidence interval; NOS—not otherwise specified. This table includes individual problems that had clinical treatments given at a rate of more than or equal to 0.5 per 100 selected problems in any year, and any other statistically significant differences of interest.

[^18]:    (a) Rate of provision of clinical treatment for selected problem per 100 total selected problems.
    (b) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change.

    Includes multiple ICPC-2 or ICPC-2 PLUS codes (see Appendix 4).
    $\mp \quad$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 encounters.
    Note: Cl -confidence interval. This table includes individual problems that had procedural treatments done at a rate of $>=0.5$ per 100 selected problems in any year, and any other statistically significant differences of

[^19]:    (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\boldsymbol{\uparrow} / \boldsymbol{\downarrow}$ indicates a statistically significant change,

[^20]:    (a) The direction and type of change from 2000-01 to 2009-10 is indicated for each result: $\uparrow \boldsymbol{\downarrow} / \boldsymbol{\downarrow}$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no change

[^21]:    (a) The direction and type of change from 2000-01 to 2009-10 for imaging is indicated for each result: $\uparrow / \downarrow$ indicates a statistically significant change, $\uparrow / \downarrow$ indicates a marginal change, and - indicates there was no
    $\mp \quad$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per 100 problems.

[^22]:    (a) The direction and type of change from 2005-06 to 2009-10 is indicated for each result: $\uparrow \mathbf{\downarrow}$ indicates a statistically significant change, and — indicates no change.
    (b) Item number introduced in 2004.
    (c) Item number introduced in November 2006.
    (d) Item number introduced in November 2007.
    (e) Item numbers introduced in November 2004, but broadened in 2006, so they are not limited to services in rural areas.
    (f) Item number introduced in November 2008.
    $\mp \quad$ Rates are reported to one decimal place. This indicates that the rate is less than 0.05 per cent.
    Note: N/A—Not applicable.

[^23]:    Note: Includes only those problems managed by practice nurses at a rate of $1 \%$ or higher in any of the years reported; Cl -confidence interval; NEC—not elsewhere classified.

[^24]:    a) The direction and type of change is indicated for each result: $\boldsymbol{\uparrow} / \downarrow$ indicates a statistically significant change, and —indicates there was no change.
    
    (d) Children with height outside the Australian Bureau of Statistics height range based on age and sex were excluded. Child BMI has been re-calculated for 2000-01 to 2005-06, and will differ from data previously

