

Appendix 1: BEACH survey data form

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BEACH (Bettering the Evaluation And Care of Health) -Morbidity and Treatment Survey -National National

DOCID: _____

Date of encounter: ____/____/____ Date of Birth: ____/____/____ Sex: M F Patient status: New Old Patient Postcode: _____

Encounter Number: _____

1. Patient Reasons for Encounter (up to three):
 1. _____
 2. _____
 3. _____

HCC Status: Yes No Veterans Affairs: _____
 Gold card White card

NESB? Yes No Aboriginal? Yes No Torres Strait Islander? Yes No

PATIENT SEEN
 Item no. _____
 W/C paid Other paid No charge

PATIENT NOT SEEN
 Script.....
 Referral.....
 Certificate.....
 Other.....

1. Diagnosis/problem		2. Diagnosis/problem		3. Diagnosis/problem		4. Diagnosis/problem	
Work Related	Problem status	Work Related	Problem status	Work Related	Problem status	Work Related	Problem status
Strength	No. ? Regimen Rpts OTC Supply	Strength	No. ? Regimen Rpts OTC Supply	Strength	No. ? Regimen Rpts OTC Supply	Strength	No. ? Regimen Rpts OTC Supply
Medications for this problem: (up to four)		Medications for this problem: (up to four)		Medications for this problem: (up to four)		Medications for this problem: (up to four)	
1.		1.		1.		1.	
2.		2.		2.		2.	
3.		3.		3.		3.	
4.		4.		4.		4.	
Procedures, other treatment, counselling		Procedures, other treatment, counselling		Procedures, other treatment, counselling		Procedures, other treatment, counselling	
New referrals, admissions		New referrals, admissions		New referrals, admissions		New referrals, admissions	

Pathology for problem(s)	Test/Body Site for problem(s)	To the patient: In general would you say your health is:	Patient's Height:	To the patient if 18+: How often do you have a drink containing alcohol?	How many standard drinks do you have on a typical day when you are drinking?
1. 1 2 3 4	Plain X-ray 1 2 3 4	Excellent..... <input type="checkbox"/>	Height: _____ cm	Never <input type="checkbox"/>	Never..... <input type="checkbox"/>
2. 1 2 3 4	US/CT/Contrast 1 2 3 4	Very good..... <input type="checkbox"/>	Weight: _____ kg	Monthly <input type="checkbox"/>	Monthly or less..... <input type="checkbox"/>
3. 1 2 3 4	Other Imaging 1 2 3 4	Good..... <input type="checkbox"/>		Once a week <input type="checkbox"/>	Once a week..... <input type="checkbox"/>
4. 1 2 3 4		Fair..... <input type="checkbox"/>		2-4 times a week <input type="checkbox"/>	2-4 times a week..... <input type="checkbox"/>
5. 1 2 3 4		Poor..... <input type="checkbox"/>		5+ times a week..... <input type="checkbox"/>	5+ times a week..... <input type="checkbox"/>

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Appendix 2: Reasons for encounter and problems managed

Table A1: Reasons for encounter and problems managed – code groups from ICPC-2 PLUS

Group	ICPC rubric	ICPC-2 PLUS code	ICPC/ICPC-2 PLUS label
Abnormal test results	A91		Abnormal results investigations NOS
	B84		Abnormal white cells
	U98		Abnormal urine test NOS
	X86		Abnormal Pap smear
Anxiety	P01		Feeling anxious/nervous/tense
	P74		Anxiety disorder/anxiety state
Back complaint	L02		Back symptom/complaint
	L03		Low back symptom/complaint
	L86		Back syndrome with radiating pain
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
Depression	X30, X31, X37		Female genital
	Y30, Y31		Male genital
	Z30, Z31		Social
	P03		Feeling depressed
	P76		Depressive disorder
Diabetes	T89		Diabetes, insulin dependent
	T90		Diabetes, non-insulin dependent
	W85		Gestational diabetes

(continued)

Table A1 (continued): Reasons for encounter and problems managed – code groups from ICPC-2 PLUS

Group	ICPC rubric	ICPC-2 PLUS code	ICPC/ICPC-2 PLUS label
Hypertension/High BP (for RFEs)	K85		Elevated blood pressure without hypertension
	K86		Uncomplicated hypertension
	K87		Hypertension with involvement of target organs
	W81003		Hypertension in pregnancy
Hypertension (for problems)	K86		Uncomplicated hypertension
	K87		Hypertension with involvement of target organs
	W81003		Hypertension in pregnancy
Immunisation	A44		Preventive immunisation/medication– general/unspecified
	D44		Preventive immunisation/medication–hepatitis
	N44		Preventive immunisation/medication–tetanus
	R44		Preventive immunisation/medication–influenza
Ischaemic heart disease	K74		Ischaemic heart disease without angina
	K76		Ischaemic heart disease with angina
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
	L92007	Osteoarthritis shoulder	
Overweight and obesity	T82		Overweight
	T83		Obesity
Oral contraception	W10		Contraception, postcoital
	W11		Oral contraceptive
	W50		Medication (reproductive system)
Prescription	-50		Medication prescription/request/ renewal/injection
Rash	S06		Localised redness/erythema/rash of skin
	S07		Generalised/multiple redness/erythema/rash of skin

(continued)

Table A1 (continued): Reasons for encounter and problems managed – code groups from ICPC-2 PLUS

Group	ICPC rubric	ICPC-2 PLUS code	ICPC/ICPC-2 PLUS label
Sprain/strain		L19014	Strain muscle(s)
	L77		Sprains and strains of ankle(s)
	L78		Sprains and strains of knee(s)
	L79		Sprains and strains of other joint
		L83023	Sprain neck
		L83024	Strain neck
		L84020	Strain back
Swelling		L84021	Sprain back
	S04		Localised swelling/papules/ lump/mass/skin/subcutaneous tissue
	S05		Generalised swelling/papules/ lumps/mass/skin/subcutaneous tissue
Test results	-60		Results test/procedures
	-61		Results examinations/test/record/letter from other provider
Urinary tract infection (UTI)	U70		Pyelonephritis/pyelitis, acute
	U71		Cystitis/other urinary infection, non-venereal

Appendix 3: Non-pharmacological treatment

Table A2: Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label	
Clinical	Advice–care of other person	A45022	Advice;care of sick 3rd person	
		A45023	Advice;care of well 3rd person	
		A58001	Counselling;terminal care	
	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–legal/other	A45017	Advice/education;compensation
			Z45009	Advice/education;legal
		Advice/education–medication	A45015	Advice/education;medication
			A48003	Review;medication
			A48005	Increased;drug dosage
			A48006	Decreased;drug dosage
	A48007		Change (in);drug dosage	
	A48008		Stop medication	
	A48009		Recommend medication (not new)	
	A48010		Change (in);medication	
	Advice/education–mothercare		A45024	Advice;mothercare

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
	Advice/education–treatment	A45016	Advice/education;treatment
		A45019	Advice;time off work
		A45020	Advice;order rest/RIB
		A45021	Advice;naturopathic treatment
		A48004	Review;treatment
		S45004	Advice/education;RICE
		T45004	Advice/education;diabetes
	Consultation with primary care provider	A46001	Consult;other GP/AHP
		A46002	Consult;nursing
		B46001	Consult;other GP/AHP;blood/blood forming
		K46001	Consult;other GP/AHP;cardiovascular
		L46001	Consult;other GP/AHP;musculoskeletal
		P46001	Consult;other GP/AHP;psychological
		U46001	Consult;other GP/AHP;urology
		Z46001	Consult;other GP/AHP;social
	Consultation with specialist	A47001	Consult;specialist
		F47002	Consult;ophthalmologist
		K47002	Consult;cardiologist
		L47002	Consult;orthopaedic surgeon
		L47003	Consult;rheumatologist
		N47002	Consult;neurologist
		P47003	Consult;psychiatrist
		S47002	Consult;dermatologist
		T47002	Consult;endocrinologist
		U47001	Consult;specialist;urology
		W47002	Consult;obstetrician/gynaecologist
	Counsel/advice–STDs	A45012	Advice/education;STD
		A58008	Counselling;STDs
		X58004	Counselling;STDs;Female
		Y58004	Counselling;STDs;Male
	Counsel/advice–alcohol	P45005	Advice/education;alcohol
		P58009	Counselling;alcohol
	Counsel/advice–drug abuse	P45006	Advice/education;illicit drugs
		P58010	Counselling;drug abuse
	Counsel/advice–exercise	A45004	Advice/education;exercise
		A58005	Counselling;exercise

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
	Counsel/advice–health/body	A45005	Advice/education;health
		A45010	Information;health
		A45018	Advice/education;body
		A58006	Counselling;health
	Counsel/advice–lifestyle	P45008	Advice/education;lifestyle
		P58012	Counselling;lifestyle
	Counsel/advice–nutrition/weight	A45006	Advice/education;diet
		T45005	Advice/education;nutritional
		T45007	Advice/education;weight mgt
		T58002	Counselling;weight management
	Counsel/advice–occupational	Z45004	Advice/education;occupation
		Z45010	Advice/education;work practice
		Z58004	Counselling;occupational
	Counsel/advice–other	A45014	Advice/education;travel
		P45009	Advice/education;sexuality
		P45010	Advice/education;life stage
		P58016	Counselling;life stage
		Z58005	Counselling;environment
	Counsel/advice–pregnancy	W58004	Counselling;prenatal
		W58006	Counselling;problem;pregnancy
	Counsel/advice–prevention	A45025	Advice/education;immunisation
		A58007	Counselling;prevention
		X45004	Advice/educat;breast self exam
		Z45005	Advice/education;environment
	Counsel/advice–relationship	Z45006	Advice/education;parenting
		Z45007	Advice/education;mothering
		Z58001	Counselling;conjugal(partner)
		Z58003	Counselling;marriage/rship
		Z58006	Counselling;parenting
		Z58007	Counselling;mothering
		Z58009	Counselling;family
	Counsel/advice–relaxation	P45007	Advice/education;relaxation
		P58011	Counselling;relaxation
		P58017	Counselling;stress management
	Counsel/advice–smoking	P45004	Advice/education;smoking
		P58008	Counselling;smoking

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
	Counselling–problem	A58002	Counselling;problem
		A58003	Counselling;individual
		B58001	Counselling;problem;blood/blood forming
		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	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
	Family planning	W14015	Counselling;genetic;Female
		W45006	Advice/education;preconceptual
		W45007	Advice/education;contraception
		W45008	Advice/education;family plan;Female
		W58001	Counselling;abortion
		W58005	Counselling;terminat pregnancy
		W58007	Counselling;preconceptual
		W58012	Counselling;sterilisation;Female

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		W58013	Counselling;family planning;Female
		Y14006	Counselling;genetic;Male
		Y58005	Counselling;sterilisation;Male
		Y58006	Counselling;family planning;Male
	Observe/wait	A45001	Observe/wait
		B45001	Observe/wait;blood/blood forming organs
		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	A62001	Administrative
		A62002	Admin;certificate
		A62003	Admin;document
		A62004	Admin;application
		A62005	Admin;legal report
		A62006	Admin;workers compensation report
		A62007	Admin;certificate;death
		A62009	Admin;travel
		H62001	Administrative;ear
		L62001	Administrative;musculoskeletal
		L62002	Order/supply;physical aids
		P62001	Administrative;psychological
		R62001	Administrative;respiratory
		S62001	Administrative;skin
		T62001	Administrative;endocrine/metabolic

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		W62001	Administrative;reproductive
		Z62001	Administrative;social
		Z62002	Certificate(s);social
		Z62003	Admin;social security
	Other treatment code NEC	R48002	Discuss;pt RFE;respiratory
	Reassurance support	A58010	Reassurance/support
	Sickness certificate	A62008	Admin;certificate;sickness
Procedural	Assist at operation	A69006	Assist at operation
		D69002	Assist at operation;digestive
		L69002	Assist at operation;musculoske
		S69002	Assist at operation;skin
		U69002	Assist at operation;urological
		Y69002	Assist at operation;genital;Male
	Contraceptive device fit/supply/remove	W12005	IUCD;removal
	Diagnostic endoscopy	A40001	Endoscopy
		A40002	Laparoscopy
		D40001	Gastrosocopy
		D40002	Proctoscopy
		D40003	Rectoscopy
		D40004	Colonoscopy
		D40007	Sigmoidoscopy
		D40009	Endoscopy;diagnostic;digestive
		L40006	Arthroscopy;knee
		R40001	Bronchoscopy
		R40002	Laryngoscopy;direct
		R40005	Laryngoscopy;indirect
		X40001	Colposcopy
	Diagnostic radiology/imaging	K41001	Echocardiography
	Dressing/pressure/compression/ tamponade	A56001	Dressing
		A56002	Compression
		B56002	Compression;blood
		F56002	Compression;eye
		H56001	Packing;ear
		K56001	Reduction (of);haemorrhoids
		K56002	Reduction (of);piles
		K56003	Support;varicose veins

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		K56004	Jobst stockings;varicose vein
		K56005	Jobst stockings;lymphadena
		K56007	Compression;cardiovascular
		L56002	Compression;musculoskeletal
		L56003	Bandage/strap
		R56007	Nasal packing (for) epistaxis
		S56001	Dressing;skin
		S56003	Dressing;burn
		S56004	Dressing;wound
		S56005	Ice pack
		U56003	Incontinence pads
	Electrical tracings	K42002	Electrocardiogram
		K42004	Electrocardiogram;exercise
		K42005	Holter monitor
		K42009	Vectocardiogram
		K42010	Electrocardiogram;stress test
		N42001	Electroencephalogram
		W42001	Monitoring;foetal
	Excision/removal tissue/biopsy/ destruction/debridement/ cauterisation	A52001	Excision
		A52002	Remove
		A52004	Cauterise
		A52007	Removal;foreign body
		B52001	Excision;blood
		B52002	Remove;blood
		B52004	Cauterise;blood
		D52001	Excision;digestive
		D52002	Remove;digestive
		D52005	Cholecystectomy
		D52013	Whipples procedure
		D52015	Appendicectomy
		D52017	Removal;foreign body;mouth
		F52001	Excision;eye
		F52002	Remove;eye
		F52009	Removal;foreign body;eye

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		H52001	Excision;ear
		H52002	Remove;ear
		H52006	Removal;foreign body;ear
		K52001	Excision;cardiovascular
		K52007	Stripping;varicose vein
		L52001	Excision;musculoskeletal
		L52008	Excision;neoplasm;soft tissue
		N52001	Excision;neurological
		R52002	Remove;respiratory
		R52005	Lobectomy
		R52007	Cauterise;nasal
		R52009	Removal;foreign body;nasal
		S52002	Excision;scar tissue
		S52003	Removal;wart
		S52004	Excision;lesions;superficial
		S52006	Debridement;wound
		S52007	Removal;foreign body;skin
		S52008	Excision;skin
		S52009	Remove;skin
		S52011	Cauterise;skin
		S52012	Excision;neoplasm/cyst;benign
		S52013	Debridement;burn
		S52014	Cryotherapy
		S52015	Electrocautery/diathermy
		S52017	Laser treatment
		S52018	Excision;neoplasm;malignant
		S52019	Excision;mole
		S52020	Excision/debride;plantar wart
		S52022	Resection;ingrown toenail(s)
		S52023	Cautery;chemical
		S52024	Removal;foreign body;nail
		S52025	Biopsy;skin
		S52026	Removal;toenail(s)
		S52027	Removal;fingernail(s)
		S52028	Resection;ingrown fingernail(s)
		S52029	Curettage;skin/wound

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		S52030	Excision;cyst;skin
		W52010	Dilatation and curettage
		X52001	Biopsy;endometrial
		X52002	Excision;genital;Female
		X52005	Cauterise;genital;Female
		X52008	Polypectomy;cervical
		X52017	Oophorectomy;unilateral
		X52021	Removal;foreign body;vagina
		Y52001	Procedure;circumcision;Male
		Y52006	Excision;cyst;epididymal
		Y52007	Vasectomy
	Incise/drainage/flushing/aspiration/ removal body fluid	A51001	Incise;body fluids
		A51002	Drain;body fluids
		A51003	Aspirate;body fluids
		A51005	Venesection
		B51001	Incise;body fluids;blood
		B51002	Drain;body fluids;blood
		D51003	Drain;body fluids;digestive
		D51004	Aspirate;body fluids;digestive
		F51001	Eye;washing
		F51003	Incise;body fluids;eye
		F51004	Drain;body fluids;eye
		H51001	Clean ear
		H51002	Removal;wax;ear
		H51004	Syringe ear;for wax
		H51007	Drain;body fluids;ear
		H51009	Syringe ear
		K51002	Incise;haemorrhoid
		L51001	Aspiration;bursa
		L51002	Aspiration;joint(s)
		L51006	Incise;body fluids;musculoskeletal
		L51007	Drain;body fluids;musculoskeletal
		L51008	Aspirate;body fluids;musculoskeletal
		L51009	Aspiration;cyst;musculoskeletal
		N51002	Lumbar puncture
		R51003	Drain;body fluids;respiratory

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		S51001	Incise;haematoma;skin
		S51003	Incise/drain;abscess;skin
		S51004	Aspiration;abscess;skin
		S51007	Incise;body fluids;skin
		S51008	Drain;body fluids;skin
		S51009	Aspirate;body fluids;skin
		S51010	Incise/drain;cyst;skin
		T51001	Implant;oestrogen
		T51006	Implant;testosterone
		X51004	Aspiration;cyst;breast
		D53002	Dilate;digestive
		D53003	Enema
		H53004	Drainage tube(s);middle ear
		K53007	Stent(s);carotid
		U53001	Dilate;urethral
		U53002	Insertion;catheter;urinary
		U53006	Removal;catheter;urinary
		U53007	Catheterise;urology
		U53009	Insertion;catheter;suprapubic
		U53010	Removal;catheter;suprapubic
		U53012	Care (of);catheter
		Y53001	Catheterise;genital;Male
	Local injection/infiltration	A55001	Infiltrate
		A55002	Local anaesthetic
		K55001	Injection;varicose vein
		L55001	Injection;bursa
		L55002	Injection;joint(s)
		L55003	Injection;tendon(s)
		L55008	Injection;trigger point;muscul
		L55011	Injection;intra-articular
		N55001	Block;nerve
		N55002	Injection;nerve(s)
		N55003	Injection;trigger point;neurological
		N55004	Injection;local;CNS
		S55001	Injection;lesions/cysts;skin
		S55002	Infiltrate;skin
		T55002	IV fluids/infusion

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
	Other diagnostic procedures	B43001	Procedures;diagnostic;blood
		D43002	Procedures;diagnostic;digestive
		F43001	Procedures;diagnostic;eye
		H43001	Procedures;diagnostic;ear
		K43003	Test;Doppler
		L43002	Procedures;diagnostic;musculoskeletal
		L43003	Test;bone marrow density
		P43001	Test;psychological
		S43001	Procedures;diagnostic;skin
		U43002	Procedures;diagnostic;urology
		X43001	Procedures;diagnostic;genital;Female
	Other preventive procedures/high risk medication condition	A49004	Preventive procedure
		L49001	Preventive procedure;musculoskeletal
		N49001	Preventive procedure;neurology
		S49001	Preventive procedure;skin
		U49001	Preventive procedure;urology
	Other therapeutic procedures/surgery NEC	A59001	Therapeutic proced
		A59002	Acupuncture
		A59003	Personal care
		A59004	Oxygen
		B59002	Blood transfusion
		D59002	Therapeutic proced;digestive
		D59009	Care (of);colostomy
		F59001	Therapeutic proced;eye
		H59001	Piercing;ear
		H59002	Therapeutic proced;ear
		L59001	Therapeutic proced;musculo
		L59002	Carpal tunnel release
		P59003	Hypnosis/hypnotherapy
		P59005	Therapy;relaxation
		R59001	Therapeutic proced;respiratory
		R59003	Steam inhalation
		S59001	Therapeutic proced;skin
		S59002	Podiatry
		T59001	Therapeutic proced;endo/metab
		U59001	Dialysis;kidney (renal)
		U59003	Therapeutic proced;urology

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		X59001	Therapeutic proced;genital;Female
		Y59001	Therapeutic proced;genital;Male
	Other treatment code NEC	D33008	Test;faeces MC&S
		R69002	Assist at operation;respirator
		T34006	Test;cholesterol
		U41001	Pyelogram;intravenous
		W14010	Contraception;diaphragm
		W69002	Assist at operation;reproduct
		X41001	Mammography;Female
	Pap smear	X37001	Pap smear
	Physical function test	A39001	Test;physical function
		F39003	Schiotz tonometry
		F39005	Test;vision
		F39006	Test;visual field
		F39013	Test;physical function;eye
		H39001	Test;audiometry
		H39003	Test;hearing
		H39007	Test;tympanometry
		H39008	Test;physical function;ear
		N39001	Test;physical function;neuro
		R39002	Test;peak flow
		R39003	Test;pulmonary function
		R39004	Test;spirometry
		R39005	Test;lung function
		R39007	Test;physical function;respira
	Physical medicine/rehabilitation	A57001	Rehab;physical
		A57002	Radiotherapy
		A57003	Therapy;physical
		A57004	Massage
		A57005	Home assessment
		K57001	Rehab;physical;cardiovascular
		L57001	Joint;manipulation
		L57002	Rehab;physical;musculo
		L57003	Therapy;ultrasound;musculoskeletal
		L57004	Therapy;short wave;musculoskeletal
		L57005	Physiotherapy

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		L57006	Therapy;heat
		L57007	Hydrotherapy
		L57008	Therapy;microwave;musculoskeletal
		L57009	Electrical stimulation
		L57010	Therapeutic exercises
		R57001	Therapy;respiratory
		X57001	Rehab;physical;genital;Female
		Y57001	Massage;prostatic
	Pregnancy test	W33001	Test;urine;pregnancy
		W33002	Test;pregnancy
	Repair/fixation-suture/cast/prosthetic device (apply/remove)	D54002	Hernia;support truss
		D54007	Surgery/extraction;dental
		D54010	Repair;hernia;inguinal
		F54001	Fitting (of);glasses
		F54002	Fitting (of);contact lens
		H54001	Adjusting;hearing aid
		K54009	Repair/replace;valve;mitral
		L54001	Adjusting;brace;back
		L54004	Cast (for);fracture
		L54005	Cast (for);removal
		L54009	Application;support;neck
		L54011	Application;collar;cervical
		L54014	Plaster (for);fracture
		L54017	Splint/immobilise;joint(s)
		L54018	Fixation/support;tendon(s)
		L54019	Strapping;sprains/strains
		L54022	Fitting (of);brace;back
		L54023	Fitting (of);brace;leg
		L54033	Replace;joint;hip
		L54034	Sling
		L54038	Osteotomy
		L54039	Adjusting;brace;leg
		L54040	Plaster;removal (of)
		L54041	Plaster;repair (of)
		L54042	Cast (for);repair/alter
		L54043	Plaster (for);sprain
		L54044	Plaster (for);strain

(continued)

Table A2 (continued): Non-pharmacological treatment – code groups from ICPC-2 PLUS

Treatment type	Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
		L54045	Splint/immobilise;fracture
		L54046	Splint/immobilise;removal
		L54047	Splint/immobilise;repair (of)
		L54048	Splint/immobilise;sprain
		L54049	Splint/immobilise;strain
		L54060	Treat;fract/disloc;humerus
		L54070	Treat;fract/disloc;pelvis
		L54072	Treat;fract/disloc;radioulnar
		L54073	Treat;fract/disloc;radius
		L54077	Treat;fract/disloc;shoulder
		L54089	Replace;joint;shoulder
		L54097	Treat;fract/disloc
		N54006	Clipping;aneurysm;intracranial
		S54001	Repair;laceration;skin
		S54002	Suture;laceration;skin
		S54004	Repair;skin
		S54006	Removal;suture(s)
		S54008	Repair;wound;skin
		W54010	Episiotomy;repair
		X54001	Insertion;pessary
		Y54002	Fixate;genital;Male
	Sensitivity test	A32001	Test;sensitivity
	Sensitivity test	D32001	Test;sensitivity;digestive
	Sensitivity test	R32001	Test;Mantoux
		S32001	Test;sensitivity;skin
	Test; glucose	T34005	Test;glucose
	Urine test	A35001	Test;urine
		A35002	Urinalysis
		B35001	Test;urine;blood
		T35001	Test;urine;endocrine/metabolic
		W35001	Test;urine;reproductive

Appendix 4: Referrals

Table A3: Referrals – code groups from ICPC-2 PLUS

Referral group	ICPC-2 PLUS code	ICPC-2 PLUS label
Allied health services	all component '66'	Referral to other provider/nurse/therapist/social worker
	component '68', excluding A68009	Other referrals NEC
	Z67002	Referral;respite care
Specialist	component '67', excluding A67011, A67010, P67005 and Z67002	Referral to physician/specialist/clinic/hospital
	A68009	Referral;oncologist
Emergency department	A67011	Referral;Emergency (Hospital)
Hospital	A67010	Referral;hospital
	P67005	Referral;hospital;psychiatrist

Appendix 5: Pathology tests

Table A4: Pathology tests – code groups from ICPC-2 PLUS

Main pathology group	Pathology sub-group	ICPC-2 PLUS code	ICPC-2 PLUS label	
Chemistry	Amylase	D34004	Test;amylase	
	B12	B34015	Test;B12	
		D34009	Test;Schillings	
	C reactive protein	A34005	Test;C reactive protein	
	Calcium/phosphate	A34006	Test;calcium	
		A34013	Test;phosphate	
	Cardiac enzymes	D34005	Test;asparate aminotransferase	
		K34003	Test;cardiac enzymes	
		K34004	Test;creatine kinase	
	Chemistry; other	A34015	Test;protein	
		A34018	Vitamin assay	
		B34023	Test;transferrin	
		D34002	Test;alanine aminotransferase	
		K34001	Test;blood;digitalis	
		N34001	Test;blood;phenylhydantoin	
		P34003	Test;methadone	
		Digoxin	A34002	Drug assay
			K34005	Test;digoxin
			N34003	Test;phenytoin
	P34002		Test;lithium	
	Drug screen	A35003	Drug screen	
	EUC	A34007	Test;chloride	
		A34008	Test;electrolytes	
		A34010	Test;EUC	
		A34014	Test;potassium	
		A34017	Test;sodium	
		U34002	Test;creatinine	
		U34003	Test;urea	
	Ferritin	B34016	Test;ferritin	
		B34019	Tests;iron studies	
	Folic acid	B34017	Test;folic acid	
	Glucose tolerance	T34005	Test;glucose	
T34009		Test;glucose tolerance		

(continued)

Table A4 (continued): Pathology tests – code groups from ICPC-2 PLUS

Main pathology group	Pathology sub-group	ICPC-2 PLUS code	ICPC-2 PLUS label
	HbA1c	T34010	Test;HbA1c
	Hormone assay	A34003	Hormone assay
		T34007	Test;cortisol
	Lipids	T34001	Check-up;cholesterol
		T34004	Test;lipids profile
		T34006	Test;cholesterol
		T34011	Test;cholesterol HDL
		T34013	Test;cholesterol LDL
		T34016	Test;triglycerides
	Liver function	A34004	Test;albumin
		D34003	Test;alkaline phosphatase
		D34006	Test;bilirubin
		D34007	Test;gGT
		D34008	Test;liver function
		T34012	Test;LDH
	Multibiochemical analysis	A34012	Test;mult biochemical analysis
	Prostate specific antigen	Y34002	Test;acid phosphatase
		Y34003	Test;prostate specific antigen
	Thyroid function	T34015	Test;thyroid function
	Urate/uric acid	U34004	Test;urate/uric acid
Cytopathology	Cytology; other	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
		N37002	Test;cytology;neurological
		R37002	Test;cytology;respiratory
		R37003	Test;sputum cytology
		S37002	Test;cytology;skin
		T37002	Test;cytology;endocr/metabol
		U37002	Test;cytology;urology
		W37002	Test;cytology;reproduction
		Y37002	Test;cytology;genital;Male

(continued)

Table A4 (continued): Pathology tests – code groups from ICPC-2 PLUS

Main pathology group	Pathology sub-group	ICPC-2 PLUS code	ICPC-2 PLUS label
Haematology	Pap smear	X37001	Pap smear
		X37003	Test;cytology;genital;Female
	Blood grouping & typing	B33001	Test;Coombs
		B33002	Test;blood grouping & typing
		B33003	RH;antibody titer
	Blood; other	B34005	Test;blood;platelets
		B34007	Test;blood;sickle cell
		B34021	Test;reticulocyte count
		B37001	Exam;bone marrow
		B34002	Test;blood;coagulation/bleed
	Coagulation	B34003	Test;blood;coagulation time
		B34006	Test;part thromboplastin time
		B34008	Test;bleeding/coagulation time
		B34009	Test;prothrombin time
B34014		Test;APTT	
B34022		Test;thrombin time	
ESR		A34009	Test;ESR
Full blood count		A34011	Test;full blood count
Haemoglobin		B34018	Test;haemoglobin
Histopathology		Histology; other	A37001
	B37002		Test;histology;blood
	D37001		Test;histology;digestive
	F37001		Test;histology;eye
	H37001		Test;histology;ear
	K37001		Test;histology;cardiovascular
	L37001		Test;histology;musculoskeletal
	N37001		Test;histology;neurological
	R37001		Test;histology;respiratory
	T37001		Test;histology;endoc/metabol
	U37001		Test;histology;urology
	W37001		Test;histology;reproductive
	X37002		Test;histology;genital;Female
	Y37001		Test;histology;genital;Male
	Immunology		Histology; skin
Anti nuclear antibodies		L33004	Test;anti nuclear antibodies
Immunology; other		A32001	Test;sensitivity

(continued)

Table A4 (continued): Pathology tests – code groups from ICPC-2 PLUS

Main pathology group	Pathology sub-group	ICPC-2 PLUS code	ICPC-2 PLUS label	
		A33005	Test;immunology	
		B33005	Test;immunology;blood	
		B33007	Test;immunoglobulins	
		D32001	Test;sensitivity;digestive	
		D33004	Test;immunology;digestive	
		H33002	Test;immunology;ear	
		K33002	Test;immunology;cardiovascular	
		L33003	Test;immunology;musculoskeletal	
		L34001	Test;lupus erythemat;cell prep	
		N33002	Test;immunology;neurological	
		R32004	Test;sensitivity;respiratory	
		R33004	Test;immunology;respiratory	
		S32001	Test;sensitivity;skin	
		S33002	Test;immunology;skin	
		S33004	Test;skin patch	
		T33002	Test;immunology;endocrine/ metabolic	
		U33003	Test;immunology;urology	
		W33007	Test;immunology;reproductive	
		X33002	Test;immunology;genital;Female	
		Y33002	Test;immunology;genital;Male	
Infertility/pregnancy test	RAST	A34016	Test;RAST	
	Rheumatoid factor	L33001	Test;rheumatoid factor	
	Infertility/pregnancy		W33001	Test;urine;pregnancy
			W33002	Test;pregnancy
			W34002	Test;blood;pregnancy
			W34003	Test;antenatal
Microbiology		Y38002	Test;sperm count	
	Antibody	A33003	Test;antibody	
	Cervical swab	X33004	Test;cervical swab	
	Chlamydia		A33006	Test;chlamydia
			X33006	Test;viral culture;genital;Female
	Ear swab and C&S	H33003	Test;ear swab and C&S	
	Faeces MC&S		D33002	Stool(s);culture
			D33008	Test;faeces MC&S
			D36001	Test;faeces;cyst/ova/parasite
Fungal ID/sensitivity	A33008	Test;fungal ID/sensitivity		

(continued)

Table A4 (continued): Pathology tests – code groups from ICPC-2 PLUS

Main pathology group	Pathology sub-group	ICPC-2 PLUS code	ICPC-2 PLUS label
	H pylori	D33009	Test;H Pylori
		D33005	Test;hepatitis A serology
		D33006	Test;hepatitis B serology
		D33007	Test;hepatitis C serology
		D33013	Test;hepatitis serology
	HIV	B33006	Test;HIV
	Microbiology; other	A33004	Test;microbiology
		A33007	Test;culture and sensitivity
		B33004	Test;microbiology;blood
		D33003	Test;microbiology;digestive
		D33010	Test;hepatitis D serology
		D33011	Test;hepatitis E serology
		D33012	Test;rotavirus
		F33001	Test;microbiology;eye
		H33001	Test;microbiology;ear
		K33001	Test;microbiology;cardiovascular
		L33002	Test;microbiology;musculoskeletal
		N33001	Test;microbiology;neurological
		R33001	Culture;tuberculosis
		R33002	Culture;throat
		R33003	Test;microbiology;respiratory
		S33001	Test;microbiology;skin
		T33001	Test;microbiology;endoc/metabolic
		U33002	Test;microbiology;urology
		W33006	Test;microbiology;reproductive
		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
	Nose swab C&S	R33008	Test;nose swab C&S
	Pertussis	R33007	Test;pertussis
	Ross River fever	A33009	Test;Ross River fever
	Rubella	A33001	Test;rubella

(continued)

Table A4 (continued): Pathology tests – code groups from ICPC-2 PLUS

Main pathology group	Pathology sub-group	ICPC-2 PLUS code	ICPC-2 PLUS label
	Skin swab C&S	S33003	Test;skin swab C&S
	Sputum C&S	R33005	Test;sputum MC&S
	Throat swab C&S	R33006	Test;throat swab C&S
	Urine MC&S	U33001	Test;culture;urine
		U33004	Test;urine MC&S
	Vaginal swab and C&S	X33005	Test;vaginal swab and C&S
	Venereal disease	A33010	Test;venereal disease
Other NEC	Blood test	A34001	Test;blood
	Other test NEC	A38001	Test;other lab
	Faeces test	A36001	Test;faeces
		A38002	Pathology
		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
		T34002	Test;blood;endocr/metabolic
		T35001	Test;urine;endocrine/metabolic
		T38001	Test;other lab;endocr/metabol

(continued)

Table A4 (continued): Pathology tests – code groups from ICPC-2 PLUS

Main pathology group	Pathology sub-group	ICPC-2 PLUS code	ICPC-2 PLUS label
		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
	Urinalysis	A35002	Urinalysis
	Urine test	A35001	Test;urine
	Simple test; other	B35001	Test;urine;blood
	Simple test; other	D36003	Test;occult blood
	Simple test; other	R32001	Test;Mantoux
	Simple test; other	R32002	Test;tuberculin

Appendix 6: Imaging tests

Table A5: Imaging tests – code groups from ICPC-2 PLUS

Imaging group	ICPC-2 PLUS code	ICPC-2 PLUS label
Plain	A41002	X-ray;chest
	A41006	X-ray;abdomen
	D41006	X-ray;oesophagus
	D41008	X-ray;digestive tract
	D41009	X-ray;mouth
	F41002	X-ray;eye
	H41002	X-ray;ear
	L41003	X-ray;bone(s)
	L41004	Plain X-ray;bone(s)
	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
	N41004	X-ray;skull
	R41002	X-ray;sinus
	U41007	X-ray;urinary tract
	W41003	X-ray;uterus
	X41001	Mammography;Female
	X41002	Mammography;request;Female
	X41007	X-ray;breast;Female
	Contrast/ultrasound/CT scan	A41003
A41004		Test;US/CT/contrast;abdomen
A41005		Test;US/CT/contrast;chest
A41008		MRI

(continued)

Table A5 (continued): Imaging tests – code groups from ICPC-2 PLUS

Imaging group	ICPC-2 PLUS code	ICPC-2 PLUS label
	D41002	Test;US/CT/contrast;gallbladder
	D41004	Test;US/CT/contrast;oesophagus
	D41010	Test;US/CT/contrast;stomach/duodenum
	D41011	Test;US/CT/contrast;colon
	K41005	Angiography;coronary
	K41007	Angiography;cerebral
	K41008	Test;US/CT/contrast;vascular
	K41009	Test;US/CT/contrast;cardiac
	K41010	Test;US/CT/contrast;heart
	L41001	Arthrogram
	L41006	Test;US/CT/contrast;pelvis
	L41007	Test;US/CT/contrast;musculosk
	L41008	Test;US/CT/contrast;neck
	L41009	Test;US/CT/contrast;spine
	L41010	Test;US/CT/contrast;joint
	L41011	Test;US/CT/contrast;face
	L41012	Test;US/CT/contrast;extremity
	L41031	Test;US/CT/contrast;shoulder
	N41002	Test;US/CT/contrast;brain
	N41003	Test;US/CT/contrast;head
	T41002	Test;US/CT/contrast;endo/metab
	U41006	Test;US/CT/contrast;urin tract
	W41001	Test;US/CT/contrast;obstetric
	X41006	Test;US/CT/contrast;breast;Female
	X41008	Test;US/CT/contrast;genital;Female
	Y41002	Test;US/CT/contrast;prostate
	Y41003	Test;US/CT/contrast;scrotum
	Y41004	Test;US/CT/contrast;genital;Male
Other	A41007	Imaging other
	A41009	Nuclear medicine
	A41010	Radiology
	A41011	Isotope scan
	K41001	Echocardiography
	K41003	Cardiogram
	K42002	Electrocardiogram
	K42005	Holter monitor

(continued)

Table A5 (continued): Imaging tests – code groups from ICPC-2 PLUS

Imaging group	ICPC-2 PLUS code	ICPC-2 PLUS label
	K43003	Test;Doppler
	L40006	Arthroscopy;knee
	L41002	Scan;bone(s)
	L43003	Test;bone marrow density
	N41001	Radiology;diagnostic;neurolog
	U41001	Pyelogram;intravenous

Appendix 7: Coding Atlas for Pharmaceutical Substances Classification

Table A6: Coding Atlas for Pharmaceutical Substances (CAPS) Classification

Drug group	CAPS code and drug sub-group
Anti infection and infestation	A1 Penicillin/Cephalosporin A2 Broad spectrum penicillin A3 Tetracycline A4 Antifungal A5 Sulphonamide A6 Other antibiotics A7 Anti-infective
Blood	B1 Haemopoietic B2 Other blood drug
Cardiovascular	C1 Antihypertensive C2 Antiarrhythmic C3 Antiangina C4 Cardiac glycoside C5 Beta-blocker C6 Adrenergic stimulant C7 Peripheral vasodilator C8 Antimigraine C9 Other CVS drugs C95 Hypolipidaemic agents
Digestive	D1 Antacid D2 Antispasmodic/Propulsive D3 Antiulcerant D4 Laxatives D5 Antidiarrhoeals D6 Acids/Enzymes/Digestives D7 Topical Rectal D8 Mouth/throat(digest)topical
Eye medications	E1 Anti-infective eye E2 Mydriatics / Myotics E3 Steroid - eye E4 Eye medication other
Ear, nose topical	F1 Topical otic F2 Topical nasal

(continued)

Table A7 (continued): Coding Atlas for Pharmaceutical Substances (CAPS) Classification

Drug group	CAPS code and drug sub-group
Surgical preparations	G1 Surgical preparations
Hormones	H1 Sex hormones/anabolic H2 Corticosteroids H3 Hypoglycaemic agents H4 Other Hormones
Allergy, immune system	J1 Antihistamines J2 Anti-allergy J3 Immunology
Anti neoplastics	K0 Anti-neoplastics N/S K1 Anti-neoplastics K2 Immune suppressants
Musculoskeletal	M1 NSAID M2 Antirheumatoid/other musculo M3 Urosuric agents M4 Rubs/Liniments/topical N/S M5 Muscle relaxants
Central nervous system	N1 Simple analgesics N2 Narcotic analgesics N3 Compound analgesics N6 CNS stimulants N7 Movement disorder/Antiparkinson N8 Anti-convulsants N9 Antiemetic/antinauseant
Psychological	P1 Sedative/Hypnotic P2 Anti-anxiety agents P3 Anti-psychotic agents P4 Anti-depressants
Diagnostic agents	Q1 Diagnostic agents
Respiratory	R1 Decong/Expector/Cold relief R2 Antitussive R3 Bronchodilator/Spasm relax R4 Theophyllines/other respir R5 Asthma preventives
Skin	S1 Anti-infective skin S2 Topical steroids S3 Other skin

(continued)

Table A7 (continued): Coding Atlas for Pharmaceutical Substances (CAPS) Classification

Drug group	CAPS code and drug sub-group
Nutrition, metabolism	T1 Vitamins
	T2 Minerals/Tonics
	T3 Antiobesity agents
	T4 Nutrition/metabolism other
Urogenital	U0 Urogenital N/S
	U1 Urine antisept/infect/spasm
	U2 Diuretics
	U3 Topical vaginal
Contraceptives	X1 Oral contraceptives
	X2 IUDs, contraceptive device
	X3 Other contraceptive
Miscellaneous	Z1 Miscellaneous