

Appendix I: Statistical methods

This section describes the methods used to calculate the estimates presented in this publication. All estimates are age-standardised to the 1991 (final) Australian population in this report. However, crude rates and age-specific rates are necessary precursors to obtaining age-standardised rates. Therefore, we present information on how to produce these measures even though they are not presented in this report.

Crude rates

A crude death rate is defined as the number of deaths from a specific cause over a specified period of time (e.g. a year) divided by the total population. A crude cancer incidence rate is similarly defined as the number of new cases of cancer in a specified period of time divided by the population at risk. Likewise, a crude hospital separation rate is defined as the number of individuals who complete an episode of hospital care within a specified period of time divided by the total population. Crude death rates and cancer incidence rates are usually expressed as annual rates per 100,000 population and may be calculated for males, females, persons or some subset of the population. Hospital separation rates are generally expressed per 1,000 population.

Age-specific rates

Age-specific rates are calculated by dividing the number of deaths, cancer cases or hospital separations occurring in each specified age group by the corresponding population in the same age group. The rates are expressed per 100,000 population for deaths and cancer incidence and per 1,000 population for hospital separations.

Age-standardised rates (ASR)

Age-standardised rates enable comparisons to be made between populations which have different age structures. In this publication, we use direct standardisation in which the age-specific rates are multiplied by a constant population. This effectively removes the influence of the age structure on the summary rate. All rates are age-standardised to the 1991 (final) Australian population using the direct standardisation technique. The method used for this calculation is composed of three steps:

- Step 1:* Calculate the age-specific rate for each age group.
- Step 2:* Calculate the expected number of cases in each 5-year age group by multiplying the age-specific rates by the corresponding standard population and dividing by 100,000 to get the expected number of cases.
- Step 3:* Sum the expected number of cases in each age group and divide by the total of the standard population and multiply by 100,000 (or 1,000 for hospital separations).

Confidence intervals

Statistical tests were carried out on the calculated rates to determine the degree to which the differences between 'capital cities' and each of the other RRMA categories are greater than would be expected by chance.

For estimates derived from the ABS 1995 National Health Survey, standard errors were approximated by using the sample size in the survey for each RRMA category and multiplying it by the relative standard error. Relative standard errors were obtained by size of estimate from the ABS technical note in *1995 National Health Survey: Summary of Results* (ABS 1997d). The resulting standard errors were applied to the derived proportions from the ABS 1995 National Health Survey to calculate t-values relative to the value for 'capital cities' for each RRMA category. The t-values were calculated as follows:

$$\frac{r_1 - r_2}{se(r_1) + se(r_2)}$$

where r_1 is the rate for any one of the seven RRMA categories and r_2 is the rate for 'capital cities'. The t-values with p-values of 0.05 or lower were considered to be significantly different from 'capital cities'.

For all other health indicators, the variance in the age-standardised rates was calculated according to the formula:

$$Var(ASR) = \sum_{i=1}^A \frac{[a_i w_i^2 (100,000 - a_i)]}{\left(\sum_{i=1}^A w_i \right)^2}$$

where a_i represents the age-specific rate in the i th age group and w_i is the population present in the i th age group of the standard population. The standard error of the ASR ($se(ASR)$) was then calculated as:

$$se(ASR) = \sqrt{Var(ASR)}$$

The standard error of the age-standardised rate was used to calculate 95% confidence intervals for the rates according to the formula:

$$ASR \pm 1.96 \times (se(ASR))$$

These confidence intervals represent a range of values within which it is 95% certain that the true value of the rate is present. If the 95% confidence interval includes one (unity), then the rate is deemed not to be statistically significantly different from the rate for 'capital cities'.

Interpretation of statistics

The RRMA classification breaks Australia's population into seven categories with the majority of the population distributed in the two metropolitan zone categories, 'capital cities' and 'other metropolitan areas'. The population sizes in rural and especially remote categories are considerably smaller, and this has an effect on the power of statistical tests to detect a difference between rates in 'capital cities' and those for the remaining RRMA categories. This is especially

the case for the ABS 1995 National Health Survey data. Sample sizes in rural and remote zones for the survey were considerably smaller than for the metropolitan zone RRMA categories. Therefore, apparent differences between 'capital cities' and rural and remote categories may not be statistically significant at the 5% level and we cannot determine if the differences are real or are random variations. The statistical tests used in this study may not have the power to detect even large differences because of the relatively small sample sizes in rural and remote zones. As a result, caution should be used when making inferences about the data in this report.



Appendix II: Statistical Local Areas by State by RRMA classification

Abbreviations

B	Borough	RC	Rural City
C	City	S	Shire
CGC	Community Government Council	SSD-Bal	Statistical Subdivision (Balance)
DC	District Council	T	Town
M	Municipality		

New South Wales

Capital cities

Ashfield (M)	Leichhardt (M)
Auburn (M)	Liverpool (C)
Bankstown (C)	Manly (M)
Baulkham Hills (S)	Marrickville (M)
Blacktown (C)	Mosman (M)
Blue Mountains (C)	North Sydney (M)
Botany (M)	Parramatta (C)
Burwood (M)	Penrith (C)
Camden (M)	Randwick (M)
Campbelltown (C)	Rockdale (M)
Canterbury (M)	Ryde (M)
Concord (M)	South Sydney (C)
Drummoyne (M)	Strathfield (M)
Fairfield (C)	Sutherland (S)
Gosford (C)	Sydney (C)—Inner
Hawkesbury (C)	Sydney (C)—Remainder
Holroyd (C)	Warringah (S)
Hornsby (S)	Waverley (M)
Hunter's Hill (M)	Willoughby (C)
Hurstville (C)	Wollondilly (S)
Kogarah (M)	Woollahra (M)
Ku-ring-gai (M)	Wyong (S)
Lane Cove (M)	

Other metropolitan centres

Cessnock (C)	Maitland (C)
Kiama (M)	Newcastle (C)—Inner
Lake Macquarie (C)	Newcastle (C)—Remainder

Port Stephens (S)
Queanbeyan (C)
Shellharbour (M)

Large rural centres

Albury (C)
Dubbo (C)
Hastings (M)
Lismore (C)

Small rural centres

Armidale (C)
Ballina (S)
Bathurst (C)
Broken Hill (C)
Casino (M)
Coffs Harbour (C)
Goulburn (C)
Grafton (C)
Great Lakes (S)

Other rural areas

Barraba (S)
Bega Valley (S)
Bellingen (S)
Berrigan (S)
Bingara (S)
Bland (S)
Blayney (S)—Pt A
Blayney (S)—Pt B
Bombala (S)
Boorowa (S)
Byron (S)
Cabonne (S)—Pt A
Cabonne (S)—Pt B
Cabonne (S)—Pt C
Conargo (S)
Coolah (S)
Coolamon (S)
Cooma-Monaro (S)
Coonabarabran (S)
Coonamble (S)
Cootamundra (S)
Copmanhurst (S)
Corowa (S)
Cowra (S)
Crookwell (S)
Culcairn (S)
Deniliquin (M)
Dumaresq (S)
Dungog (S)
Eurobodalla (S)

Tweed (S)—Pt A
Wollongong (C)

Orange (C)
Tamworth (C)
Wagga Wagga (C)

Greater Lithgow (C)
Greater Taree (C)
Griffith (C)
Moree Plains (S)
Murray (S)
Muswellbrook (S)
Shoalhaven (C)
Singleton (S)

Evans (S)—Pt A
Evans (S)—Pt B
Forbes (S)
Gilgandra (S)
Glen Innes (M)
Gloucester (S)
Gundagai (S)
Gunnedah (S)
Gunning (S)
Guyra (S)
Harden (S)
Holbrook (S)
Hume (S)
Inverell (S)—Pt A
Inverell (S)—Pt B
Jerilderie (S)
Jonee (S)
Kempsey (S)
Kyogle (S)
Leeton (S)
Lockhart (S)
Maclean (S)
Manilla (S)
Merriwa (S)
Mudgee (S)
Mulwaree (S)
Murrumbidgee (S)
Murrurundi (S)
Nambucca (S)
Narrabri (S)

Narrandera (S)
 Narromine (S)
 Nundle (S)
 Nymboida (S)
 Oberon (S)
 Parkes (S)
 Parry (S)
 Quirindi (S)
 Richmond River (S)
 Rylstone (S)
 Scone (S)
 Severn (S)
 Snowy River (S)
 Tallaganda (S)
 Temora (S)
 Tenterfield (S)

Other remote areas

Balranald (S)
 Bogan (S)
 Bourke (S)
 Brewarrina (S)
 Carrathool (S)
 Central Darling (S)
 Cobar (S)
 Hay (S)

Tumbarumba (S)
 Tumut (S)
 Tweed (S)—Pt B
 Ulmarra (S)
 Uralla (S)
 Urana (S)
 Walcha (S)
 Warren (S)
 Weddin (S)
 Wellington (S)
 Wingecarribee (S)
 Yallaro (S)
 Yarrolumla (S)
 Yass (S)
 Young (S)

Lachlan (S)
 Lord Howe Island
 Off-Shore Areas & Migratory
 Unincorp. Far West
 Wakool (S)
 Walgett (S)
 Wentworth (S)
 Windouran (S)

Victoria

Capital cities

Altona (C)
 Berwick (C)
 Box Hill (C)
 Brighton (C)
 Broadmeadows (C)
 Brunswick (C)
 Bulla (S)
 Camberwell (C)
 Caulfield (C)
 Chelsea (C)
 Coburg (C)
 Collingwood (C)
 Cranbourne (S)
 Croydon (C)
 Dandenong (C)
 Diamond Valley (S)
 Doncaster & Templestowe (C)
 Eltham (S)
 Essendon (C)
 Fitzroy (C)
 Flinders (S)

Footscray (C)
 Frankston (C)
 Hastings (S)
 Hawthorn (C)
 Healesville (S)
 Heidelberg (C)
 Keilor (C)
 Kew (C)
 Knox (C)
 Lillydale (S)
 Malvern (C)
 Melbourne (C)—Inner
 Melbourne (C)—Remainder
 Melton (S)
 Moorabbin (C)
 Mordialloc (C)
 Mornington (S)
 Northcote (C)
 Nunawading (C)
 Oakleigh (C)
 Pakenham (S)

Appendix II

Port Melbourne (C)
Prahran (C)
Preston (C)
Richmond (C)
Ringwood (C)
Sandringham (C)
Sherbrooke (S)
South Melbourne (C)

Other metropolitan centres

Bannockburn (S)—Pt A
Barrabool (S)—Pt A
Bellarine (RC)—Pt A
Corio (S)—Pt A

Large rural centres

Ballarat (C)
Ballarat (S)—Pt A
Bendigo (C)
Bungaree (S)—Pt A
Buninyong (S)—Pt A
Eaglehawk (B)
Grenville (S)—Pt A

Small rural centres

Bairnsdale (C)
Bellarine (RC)—Pt B
Colac (C)
Colac (S)
Echuca (C)
Horsham (C)
Mildura (C)
Mildura (S)—Pt A
Moe (C)

Other rural areas

Alberton (S)
Alexandra (S)
Arapiles (S)
Ararat (C)
Ararat (S)
Avoca (S)
Avon (S)
Bacchus Marsh (S)
Bairnsdale (S)—Pt A
Bairnsdale (S)—Pt B
Ballan (S)
Ballarat (S)—Pt B
Bannockburn (S)—Pt B
Barrabool (S)—Pt B
Bass (S)
Beechworth (S)

Springvale (C)
St Kilda (C)
Sunshine (C)
Upper Yarra (S)—Pt A
Waverley (C)
Werribee (C)
Whittlesea (C)
Williamstown (C)

Geelong (C)
Geelong West (C)
Newtown (C)
South Barwon (C)—Pt A

Huntly (S)—Pt A
Marong (RC)—Pt A
Rodney (S)—Pt A
Sebastopol (B)
Shepparton (C)
Strathfieldsaye (S)—Pt A
Wodonga (RC)

Morwell (C)—Pt A
Narracan (S)—Pt A
Portland (C)
Sale (C)
South Barwon (C)—Pt B
Traralgon (C)
Wangaratta (C)
Warrnambool (C)

Belfast (S)
Benalla (C)
Benalla (S)
Bet Bet (S)
Birchip (S)
Bright (S)
Broadford (S)
Buln Buln (S)
Bungaree (S)—Pt B
Buninyong (S)—Pt B
Camperdown (T)
Castlemaine (C)
Charlton (S)
Chiltern (S)
Cobram (S)
Cohuna (S)

Corio (S)—Pt B
 Creswick (S)
 Daylesford & Glenlyon (S)
 Deakin (S)
 Dimboola (S)
 Donald (S)
 Dundas (S)
 Dunmunkle (S)
 East Loddon (S)
 Euroa (S)
 Gisborne (S)
 Glenelg (S)
 Gordon (S)
 Goulburn (S)
 Grenville (S)—Pt B
 Hamilton (C)
 Hampden (S)
 Heytesbury (S)
 Heywood (S)
 Huntly (S)—Pt B
 Kara Kara (S)
 Karkaroc (S)
 Kerang (B)
 Kerang (S)
 Kilmore (S)
 Korong (S)
 Korumburra (S)
 Kowree (S)
 Kyabram (T)
 Kyneton (S)
 Lady Julia Percy & Towerhill
 Leigh (S)
 Lexton (S)
 Lowan (S)
 Maffra (S)
 Maldon (S)
 Mansfield (S)
 Marong (RC)—Pt B
 Maryborough (C)
 Mclvor (S)
 Metcalfe (S)
 Minhamite (S)
 Mirboo (S)
 Mortlake (S)
 Morwell (C)—Pt B
 Mount Rouse (S)
 Myrtleford (S)
 Narracan (S)—Pt B
 Nathalia (S)
 Newham & Woodend (S)
 Newstead (S)
 Numurkah (S)
 Omeo (S)
 Otway (S)
 Oxley (S)
 Phillip Island (S)
 Port Fairy (B)
 Pyalong (S)
 Queenscliffe (B)
 Ripon (S)
 Rochester (S)
 Rodney (S)—Pt B
 Romsey (S)
 Rosedale (S)
 Rutherglen (S)
 Seymour (S)
 Shepparton (S)—Pt A
 Shepparton (S)—Pt B
 South Gippsland (S)
 St Arnaud (T)
 Stawell (C)
 Stawell (S)
 Strathfieldsaye (S)—Pt B
 Swan Hill (C)
 Swan Hill (S)
 Talbot & Clunes (S)
 Tallangatta (S)—Pt A
 Tallangatta (S)—Pt B
 Tambo (S)—Pt A
 Tambo (S)—Pt B
 Traralgon (S)—Pt A
 Traralgon (S)—Pt B
 Tullaroop (S)
 Tungamah (S)
 Upper Murray (S)
 Upper Yarra (S)—Pt B
 Violet Town (S)
 Wangaratta (S)
 Wannon (S)
 Waranga (S)
 Warracknabeal (S)
 Warragul (S)
 Warrnambool (S)
 Wimmera (S)
 Winchelsea (S)
 Wonthaggi (B)
 Woorayl (S)
 Wycheproof (S)
 Yackandandah (S)
 Yallourn Works Area
 Yarrawonga (S)
 Yea (S)

Appendix II

Other remote areas

Bass Strait Islands
French Island
Kaniva (S)
Mildura (S)—Pt B

Off-Shore Areas & Migratory
Orbost (S)
Walpeup (S)

Queensland

Capital cities

Acacia Ridge
Albany Creek
Albert (S) Bal in BSD
Albion
Alderley
Alexandra Hills
Algester
Annerley
Anstead (incl. Moggill SF)
Arana Hills
Archerfield
Ascot
Ashgrove
Aspley
Bald Hills
Balmoral
Banyo
Bardon
Beaudesert (S) Bal in BSD
Beenleigh
Bellbird Park
Bellbowrie
Belmont-Mackenzie
Berrinba
Bethania-Waterford
Birkdale
Boondall
Bowen Hills
Bracken Ridge
Bray Park
Bridgeman Downs
Brighton
Brookfield (incl. Mt C'tha Pk)
Browns Plains
Bulimba
Burbank
Caboolture (S)—Pt A
Calamvale
Camira
Camp Hill
Cannon Hill
Capalaba

Capalaba West
Carbrook-Cornubia
Carina
Carina Heights
Carindale
Carole Park
Carseldine
Chandler
Chapel Hill
Chelmer
Chermside
Chermside West
City—Inner
City—Remainder
Clayfield
Cleveland
Coopers Plains
Coorparoo
Corinda
Daisy Hill-Priestdale
Darra-Sumner
Deagon
Doolandella
Durack
Dutton Park
Eagleby
East Brisbane
Edens Landing-Holmview
Eight Mile Plains
Ellen Grove
Enoggera (incl. Mltry Camp)
Everton Hills
Everton Park
Fairfield
Ferny Grove
Ferny Hills
Fig Tree Pocket
Fortitude Valley—Inner
Fortitude Valley—Remainder
Geebung
Graceville
Grange

Greenbank—Pt A	Murarrie
Greenbank—Pt B	Nathan
Greenslopes	New Farm
Gumdale	Newmarket
Hamilton	Newstead
Hawthorne	Norman Park
Hemmant-Lytton	Northgate
Hendra	Nudgee
Herston	Nudgee Beach
Highgate Hill	Nundah
Holland Park	Ormiston
Holland Park West	Oxley
Inala	Paddington
Indooroopilly	Pallara-Heathwood-Larapinta
Ipswich (C)	Parkinson-Drewvale
Jamboree Heights	Petrie
Jindalee	Pine Rivers (S) Bal
Kallangur	Pinjarra Hills
Kangaroo Point	Pinkenba-Eagle Farm
Karalee	Pullenvale
Karawatha	Ransome
Kedron	Red Hill
Kelvin Grove	Redcliffe (C)
Kenmore	Redland (S) Bal
Kenmore Hills	Redland Bay
Keperra	Richlands
Kingston	Riverhills
Kuraby	Robertson
Lawnton	Rochedale
Logan (C) Bal	Rochedale South
Loganholme	Rocklea
Loganlea	Runcorn
Lota	Salisbury
Lutwyche	Sandgate
MacGregor	Seventeen Mile Rocks
Manly	Shailer Park
Manly West	Sheldon-Mt Cotton
Mansfield	Sherwood
Marsden	Slacks Creek
McDowall	South Brisbane
Middle Park	Spring Hill
Milton	Springwood
Mitchelton	St Lucia
Moggill	Stafford
Moorooka	Stafford Heights
Moreton (S) Bal in BSD—Nth	Strathpine
Moreton (S) Bal in BSD—Sth	Stretton
Moreton Island	Sunnybank
Morningside	Sunnybank Hills
Mount Gravatt	Taigum-Fitzgibbon
Mount Gravatt East	Tanah Merah
Mount Ommaney	Taringa
Mt Warren Park	Tarragindi

Appendix II

The Gap (incl. Enoggera SF)
Thornside
Thornlands
Tingalpa
Toowong
Underwood—Pt A
Underwood—Pt B
Upper Brookfield
Upper Kedron
Upper Mount Gravatt
Victoria Point
Virginia
Wacol
Wakerley
Waterford West
Wavell Heights

Other metropolitan centres

Aitkenvale
Albert (S)—Pt B Bal
Arundel
Ashmore
Benowa
Biggera Waters
Bilinga
Broadbeach
Broadbeach Waters
Bundall
Burleigh Heads
Burleigh Waters
Carrara-Merrimac
City
Coolangatta
Coombah
Cranbrook
Currajong
Currumbin
Currumbin Waters
Douglas
Elanora
Ernest-Molendinar
Garbutt
Gulliver
Heatley
Helensvale
Hermit Park
Hollywell
Hope Island
Hyde Park-Mysterton
Kelso
Kerrydale-Stephens
Kirwan
Labrador

Wellington Point
West End
Westlake
Willawong
Wilston
Windaroo-Bannockburn
Windsor
Wishart
Woodridge
Woolloongabba
Wooloowin
Wynnum
Wynnum West
Yeerongpilly
Yeronga
Zillmere

Magnetic Island
Main Beach-Broadwater
Mermaid Beach
Mermaid Waters
Miami
Mt Louisa-Mt St John-Bohle
Mudgeeraba
Mundingburra
Murray
Nerang
North Ward-Castle Hill
Oonoonba-Idalia-Cluden
Oxenford
Pallarenda-Shelley Beach
Palm Beach
Paradise Point
Parkwood
Pimlico
Railway Estate
Robina-Clear Island Waters
Rosslea
Rowes Bay-Belgian Gardens
Runaway Bay
South Townsville
Southport
Stuart-Roseneath
Surfers Paradise
Thuringowa (C)—Pt A Bal
Townsville (C) Bal
Tugun
Vincent
West End
Worongary-Tallai
Wulguru

Large rural centres

Bundaberg (C)
 Cairns (C)
 Gooburrum (S)—Pt A
 Mackay (C)
 Maroochy (S)—Pt A

Mulgrave (S)—Pt A
 Pioneer (S)—Pt A
 Rockhampton (C)
 Toowoomba (C)
 Woongarra (S)—Pt A

Small rural centres

Caloundra (C)—Pt A
 Gladstone (C)
 Gympie (C)
 Hervey Bay (C)

Maryborough (C)
 Noosa (S)—Pt A
 Noosa (S)—Pt B
 Warwick (C)

Other rural areas

Allora (S)
 Atherton (S)
 Banana (S)
 Beaudesert (S)—Pt B
 Biggenden (S)
 Boonah (S)
 Burdekin (S)
 Caboolture (S)—Pt B
 Calliope (S)—Pt A
 Calliope (S)—Pt B
 Caloundra (C)—Pt B
 Cambooya (S)
 Cardwell (S)
 Charters Towers (C)
 Chinchilla (S)
 Clifton (S)
 Crow's Nest (S)
 Dalby (T)
 Douglas (S)
 Eacham (S)
 Esk (S)
 Fitzroy (S)—Pt A
 Fitzroy (S)—Pt B
 Gatton (S)
 Gayndah (S)
 Glengallan (S)
 Gooburrum (S)—Pt B
 Goondiwindi (T)
 Hinchinbrook (S)
 Inglewood (S)
 Isis (S)
 Johnstone (S)

Jondaryan (S)
 Kilcoy (S)
 Kilkivan (S)
 Kingaroy (S)
 Kolan (S)
 Laidley (S)
 Livingstone (S)
 Maroochy (S)—Pt B
 Millmerran (S)
 Mirani (S)
 Miriam Vale (S)
 Monto (S)
 Moreton (S)—Pt B
 Mount Morgan (S)
 Mulgrave (S)—Pt B
 Mundubbera (S)
 Murgon (S)
 Nanango (S)
 Pioneer (S)—Pt B
 Pittsworth (S)
 Rosalie (S)
 Rosenthal (S)
 Sarina (S)
 Stanthorpe (S)
 Thuringowa (C)—Pt B
 Tiaro (S)
 Wambo (S)
 Whitsunday (S)
 Widgee (S)
 Wondai (S)
 Woocoo (S)
 Woongarra (S)—Pt B

Remote centres

Belyando (S)
 Bowen (S)
 Duaringa (S)
 Emerald (S)

Mareeba (S)
 Mount Isa (C)
 Roma (T)

Appendix II

Other remote areas

Aramac (S)
Aurukun (S)
Balonne (S)
Barcaldine (S)
Barcoo (S)
Bauhinia (S)
Bendemere (S)
Blackall (S)
Booringa (S)
Boulia (S)
Broadsound (S)
Bulloo (S)
Bungil (S)
Burke (S)
Carpentaria (S)
Cloncurry (S)
Cook (S) (excl. Weipa)
Cook (S)—Weipa only
Croydon (S)
Dalrymple (S)
Diamantina (S)
Eidsvold (S)
Etheridge (S)
Flinders (S)
Herberton (S)
Ilfracombe (S)
Isisford (S)
Jericho (S)
Longreach (S)
McKinlay (S)
Mornington (S)
Murilla (S)
Murweh (S)
Nebo (S)
Off-Shore Areas & Migratory
Paroo (S)
Peak Downs (S)
Perry (S)
Quilpie (S)
Richmond (S)
Tambo (S)
Tara (S)
Taroom (S)
Torres (S)
Unincorp. Islands
Waggamba (S)
Warroo (S)
Winton (S)

South Australia

Capital cities

Adelaide (C)
Brighton (C)
Burnside (C)
Campbelltown (C)
East Torrens (DC)
Elizabeth (C)
Enfield (C)—Pt A
Enfield (C)—Pt B
Gawler (M)
Glenelg (C)
Happy Valley (C)
Henley & Grange (C)
Hindmarsh (M)
Kensington & Norwood (C)
Marion (C)
Mitcham (C)
Munno Para (C)
Noarlunga (C)
Payneham (C)
Port Adelaide (C)
Prospect (C)
Salisbury (C)
St Peters (M)
Stirling (DC)
Tea Tree Gully (C)
Thebarton (M)
Unincorp. Western
Unley (C)
Walkerville (M)
West Torrens (C)
Willunga (DC)
Woodville (C)

Large rural centres

Whyalla (C)

Small rural centres

Mount Gambier (C)
Murray Bridge (DC)

Port Augusta (C)

Port Lincoln (C)

Other rural areas

Angaston (DC)

Barmera (DC)

Barossa (DC)

Beachport (DC)

Berri (DC)

Blyth-Snowtown (DC)

Burra Burra (DC)

Bute (DC)

Central Yorke Peninsula (DC)

Clare (DC)

Cleve (DC)

Coonalpyn Downs (DC)

Crystal Brook-Redhill (DC)

Eudunda (DC)

Franklin Harbor (DC)

Hallett (DC)

Hawker (DC)

Jamestown (DC)

Kanyaka-Quorn (DC)

Karoonda-East Murray (DC)

Kimba (DC)

Lacepede (DC)

Lameroo (DC)

Light (DC)

Lower Eyre Peninsula (DC)

Loxton (DC)

Lucindale (DC)

Mallala (DC)

Mannum (DC)

Meningie (DC)

Millicent (DC)

Minlaton (DC)

Morgan (DC)

Mount Barker (DC)

Mount Gambier (DC)

Mount Pleasant (DC)

Other remote areas

Browns Well (DC)

Carrieton (DC)

Coober Pedy (DC)

Dudley (DC)

Elliston (DC)

Kingscote (DC)

Le Hunte (DC)

Murat Bay (DC)

Off-Shore Areas & Migratory

Peterborough (DC)

Port Pirie (C)

Mount Remarkable (DC)

Naracoorte (DC)

Naracoorte (M)

Northern Yorke Peninsula (DC)

Onkaparinga (DC)

Orroroo (DC)

Paringa (DC)

Peake (DC)

Penola (DC)

Peterborough (M)

Pinnaroo (DC)

Pirie (DC)

Port Broughton (DC)

Port Elliot & Goolwa (DC)

Port MacDonnell (DC)

Renmark (M)

Ridley (DC)

Riverton (DC)

Robe (DC)

Robertstown (DC)

Rocky River (DC)

Saddleworth & Auburn (DC)

Spalding (DC)

Strathalbyn (DC)

Tanunda (DC)

Tatiara (DC)

Truro (DC)

Tumby Bay (DC)

Unincorp. Murray Mallee

Victor Harbor (DC)

Waikerie (DC)

Wakefield Plains (DC)

Walleroo (M)

Warooka (DC)

Yankalilla (DC)

Yorke town (DC)

Roxby Downs (M)

Streaky Bay (DC)

Unincorp. Far North

Unincorp. Flinders Ranges

Unincorp. Lincoln

Unincorp. Pirie

Unincorp. Riverland

Unincorp. West Coast

Unincorp. Whyalla

Unincorp. Yorke

Western Australia

Capital cities

Armadale (C)
Bassendean (T)
Bayswater (C)
Belmont (C)
Canning (C)
Claremont (T)
Cockburn (C)
Cottesloe (T)
East Fremantle (T)
Fremantle (C)—Inner
Fremantle (C)—Remainder
Gosnells (C)
Kalamunda (S)
Kwinana (T)
Melville (C)
Mosman Park (T)
Mundaring (S)
Nedlands (C)
Peppermint Grove (S)
Perth (C)—Inner
Perth (C)—North
Perth (C)—Outer
Perth (C)—South
Perth (C)—Wembley-Coastal
Rockingham (C)
Serpentine-Jarrahdale (S)
South Perth (C)
Stirling (C)—Central
Stirling (C)—South-Eastern
Stirling (C)—West
Subiaco (C)
Swan (S)
Wanneroo (C)

Small rural centres

Albany (S)
Albany (T)
Bunbury (C)
Geraldton (C)
Greenough (S)
Mandurah (C)

Other rural areas

Augusta-Margaret River (S)
Beverley (S)
Boddington (S)
Boyup Brook (S)
Bridgetown-Greenbushes (S)
Brookton (S)
Busselton (S)
Capel (S)
Chittering (S)
Collie (S)
Corrigin (S)
Cuballing (S)
Cunderdin (S)
Dandaragan (S)
Dardanup (S)
Denmark (S)
Donnybrook-Balingup (S)
Dowerin (S)
Gingin (S)
Goomalling (S)
Harvey (S)
Irwin (S)
Katanning (S)
Kellerberrin (S)
Kojonup (S)
Manjimup (S)
Moora (S)
Murray (S)
Nannup (S)
Narrogin (S)
Narrogin (T)
Northam (S)
Northam (T)
Pingelly (S)
Plantagenet (S)
Quairading (S)
Tambellup (S)
Tammin (S)
Toodyay (S)
Victoria Plains (S)
Wagin (S)
Wandering (S)
Waroona (S)
West Arthur (S)
Williams (S)
Wongan-Ballidu (S)
Wyalkatchem (S)
York (S)

Remote centres

Broome (S)
 Carnarvon (S)
 East Pilbara (S)
 Esperance (S)

Kalgoorlie/Boulder (C)
 Port Hedland (T)
 Roebourne (S)

Other remote areas

Ashburton (S)
 Broomehill (S)
 Bruce Rock (S)
 Carnamah (S)
 Chapman Valley (S)
 Coolgardie (S)
 Coorow (S)
 Cranbrook (S)
 Cue (S)
 Dalwallinu (S)
 Derby-West Kimberley (S)
 Dumbleyung (S)
 Dundas (S)
 Exmouth (S)
 Gnowangerup (S)
 Halls Creek (S)
 Jerramungup (S)
 Kent (S)
 Kondinin (S)
 Koorda (S)
 Kulin (S)
 Lake Grace (S)
 Laverton (S)
 Leonora (S)
 Meekatharra (S)
 Menzies (S)

Merredin (S)
 Mingenew (S)
 Morawa (S)
 Mount Magnet (S)
 Mount Marshall (S)
 Mukinbudin (S)
 Mullewa (S)
 Murchison (S)
 Narembeen (S)
 Northampton (S)
 Nungarin (S)
 Off-Shore Areas & Migratory
 Perenjori (S)
 Ravensthorpe (S)
 Sandstone (S)
 Shark Bay (S)
 Three Springs (S)
 Trayning (S)
 Upper Gascoyne (S)
 Westonia (S)
 Wickiepin (S)
 Wiluna (S)
 Woodanilling (S)
 Wyndham-East Kimberley (S)
 Yalgoo (S)
 Yilgarn (S)

Tasmania**Capital cities**

Brighton (M)—Pt A
 Clarence (C)
 Glenorchy (C)
 Hobart (C)—Inner

Hobart (C)—Remainder
 Kingborough (M)—Pt A
 New Norfolk (M)—Pt A
 Sorell (M)—Pt A

Large rural centres

Baconsfield (M)—Pt A
 Launceston (C)—Inner

Launceston (C)—Pt B
 Westbury (M)—Pt A

Small rural centres

Burnie (C)—Pt A
 Devonport (C)

Wynyard (M)—Pt A

Appendix II

Other rural areas

Beaconsfield (M)—Pt B
Bothwell (M)
Brighton (M)—Pt B
Bruny (M)
Burnie (C)—Pt B
Campbell Town (M)
Circular Head (M)
Deloraine (M)
Esperance (M)
Evandale (M)—Pt A
Evandale (M)—Pt B
Fingal (M)
George Town (M)—Pt A
George Town (M)—Pt B
Glamorgan (M)
Green Ponds (M)
Hamilton (M)
Huon (M)
Kentish (M)
Kingborough (M)—Pt B
Latrobe (M)—Pt A
Latrobe (M)—Pt B
Launceston (C)—Pt C

Longford (M)—Pt A
Longford (M)—Pt B
Lyell (M)
New Norfolk (M)—Pt B
Oatlands (M)
Penguin (M)—Pt A
Penguin (M)—Pt B
Port Cygnet (M)
Portland (M)
Richmond (M)
Ringarooma (M)
Ross (M)
Scottsdale (M)
Sorell (M)—Pt B
Spring Bay (M)
Tasman (M)
Ulverstone (M)—Pt A
Ulverstone (M)—Pt B
Waratah (M)
Westbury (M)—Pt B
Wynyard (M)—Pt B
Zeehan (M)

Other remote areas

Flinders (M)
King Island (M)

Off-Shore Areas & Migratory
Strahan (M)

Northern Territory

Capital cities

Alawa
Anula
Brinkin
City—Inner
City—Remainder
Coconut Grove
Driver
East Arm
Fannie Bay
Gray
Jingili
Karama
Larrakeyah
Leanyer
Lee Point-Leanyer Swamp
Ludmilla
Malak
Marrara

Millner
Moil
Moulden
Nakara
Narrows
Nightcliff
Palmerston (T)—Bal
Parap
Rapid Creek
Stuart Park
The Gardens
Tiwi
Wagaman
Wanguri
Winnellie
Woodroffe
Wulagi

Other rural areas

Coomalie (CGC)
Litchfield (S)—Pt A

Litchfield (S)—Pt B

Remote centres

Alice Springs (T)

Katherine (T)

Other remote areas

Bathurst-Melville
Cox-Finiss
Daly
East Arnhem—Bal
Elsey—Bal
Groote Eylandt
Gulf
Jabiru (T)
Nhulunbuy
Off-Shore Areas & Migratory

Petermann
Sandover—Bal
South Alligator
Tableland
Tanami
Tennant Creek (T)
Tennant Creek—Bal
Victoria
West Arnhem

Australian Capital Territory**Capital cities**

Acton
Ainslie
Aranda
Barton
Belconnen Town Centre
Belconnen—SSD Bal
Bonython
Braddon
Bruce
Calwell
Campbell
Chapman
Charnwood
Chifley
Chisholm
City
Cook
Curtin
Deakin
Dickson
Downer
Duffy
Duntroon
Evatt
Fadden
Farrer
Fisher
Florey
Flynn

Forrest
Fraser
Fyshwick
Garran
Gilmore
Giralang
Gordon
Gowrie
Greenway
Griffith
Gungahlin
Hackett
Hall
Harman
Hawker
Higgins
Holder
Holt
Hughes
Hume
Isaacs
Isabella Plains
Jerrabomberra
Kaleen
Kambah
Kingston
Kowen
Latham
Lyneham

Appendix II

Lyons
Macarthur
Macgregor
Macquarie
Majura
Mawson
McKellar
Melba
Mitchell
Monash
Narrabundah
Oaks Estate
O'Connor
O'Malley
Oxley
Page
Parkes
Pearce
Phillip
Pialligo
Red Hill

Other rural areas

Jervis Bay Territory

Reid
Richardson
Rivett
Russell
Scullin
Spence
Stirling
Stromlo
Symonston
Theodore
Torrens
Tuggeranong—SSD Bal
Turner
Wanniassa
Waramanga
Watson
Weetangera
Weston
Weston Creek—SSD Bal
Yarralumla

Remainder of ACT

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