

State Summary

Victoria

Paediatric health

Antibiotics dispensing in children
9 years and under

Lowest SA3 rate per 100,000	Highest SA3 rate per 100,000	Rate per 100,000	National rate per 100,000
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57,562

136,694

93,018

96,721

Proton pump inhibitor medicines dispensing
1 year and under

N/A

N/A

2,583

3,628

Gastrointestinal investigations and treatments

Proton pump inhibitor medicines dispensing
18 years and over

Lowest SA3 rate per 100,000	Highest SA3 rate per 100,000	Rate per 100,000	National rate per 100,000
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71,488

136,475

104,408

105,294

Colonoscopy hospitalisations
all ages

878

4,579

3,371

2,881

Gastroscopy hospitalisations
all ages

625

3,142

2,259

1,931

Thyroid investigations and treatments

Thyroid stimulating hormone tests
18 years and over

Lowest SA3 rate per 100,000	Highest SA3 rate per 100,000	Rate per 100,000	National rate per 100,000
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21,613

40,033

29,899

28,742

Thyroid function tests
18 years and over

7,487

12,214

10,105

12,116

Neck ultrasound
18 years and over

980

2,288

1,570

1,606

Thyroidectomy hospitalisations
18 years and over

36

130

65

62

Cardiac tests

Cardiac stress tests and imaging[†]
18 years and over

Lowest SA3 rate per 100,000	Highest SA3 rate per 100,000	Rate per 100,000	National rate per 100,000
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1,923

7,376

4,268

4,575

Stress echocardiography
18 years and over

265

2,835

1,465

1,491

Myocardial perfusion scans
18 years and over

121

1,041

385

384

Standard echocardiography
18 years and over

3,010

6,320

4,316

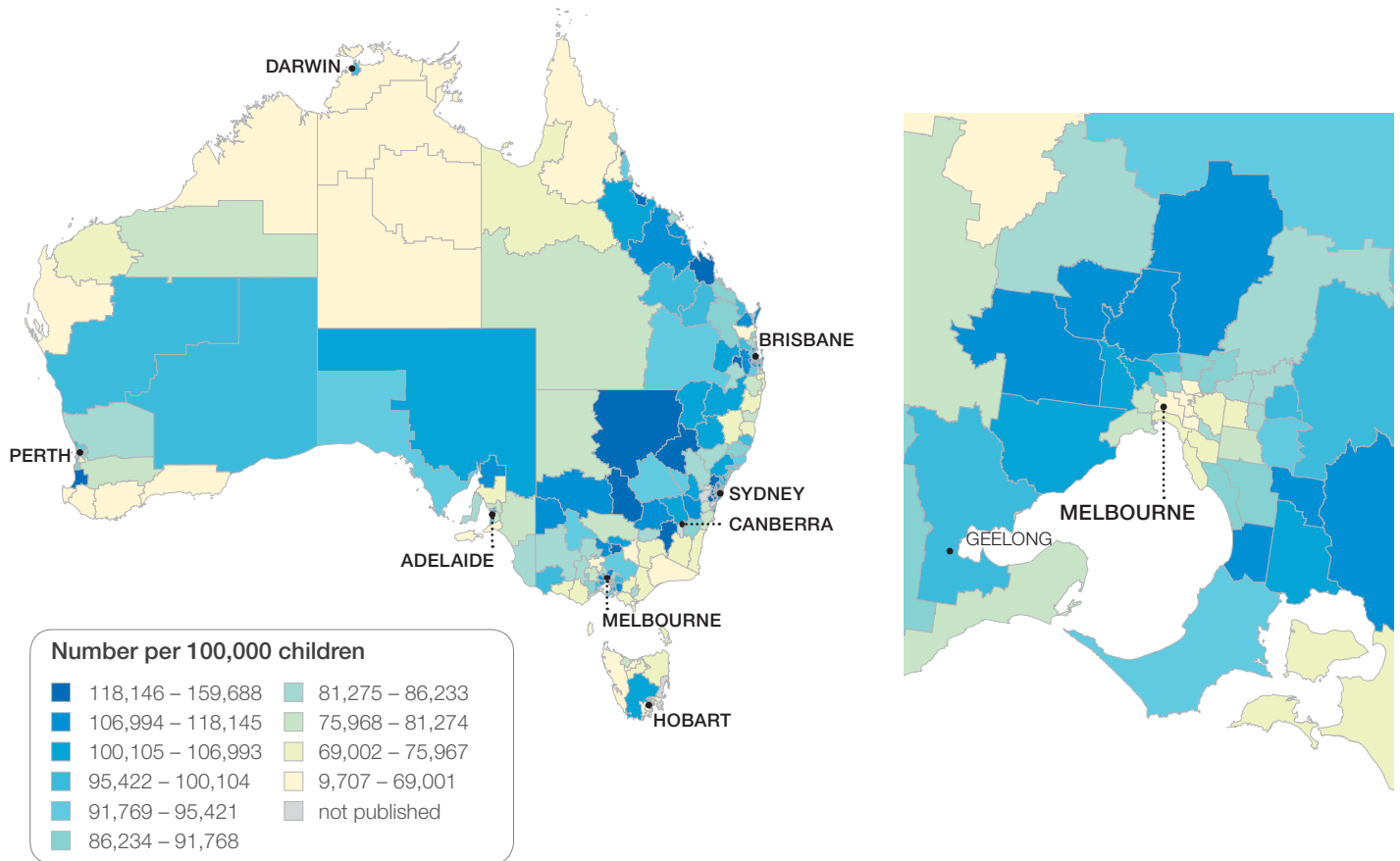
4,599

[†] exercise ECG, stress echocardiography, myocardial perfusion scans, computed tomography coronary arteries

Antibiotics dispensing in children 9 years and under

Number of PBS prescriptions dispensed for antibiotics per 100,000 children aged 9 years and under, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **16.5 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Prescriptions	Patients
New South Wales	101,950	66,391	159,688	1,023,567	469,118
Victoria	93,018	57,562	136,694	738,699	349,345
Queensland	102,339	48,065	142,207	664,062	303,366
Western Australia	87,662	35,930	121,012	302,588	146,159
South Australia	94,312	58,958	115,504	196,083	91,140
Tasmania	71,472	48,730	101,857	44,699	22,570
Australian Capital Territory	96,447	82,273	109,733	52,890	24,364
Northern Territory	69,015	9,707	119,885	26,240	12,152
Australia	96,721	9,707	159,688	3,053,315	1,420,363

Variation in Victoria

In Victoria, the lowest rate for antibiotics dispensing in children was in **Wangaratta - Benalla** (57,562 PBS prescriptions per 100,000 people) and the highest rate was in **Shepparton** (136,694 PBS prescriptions per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, none were in Victoria.

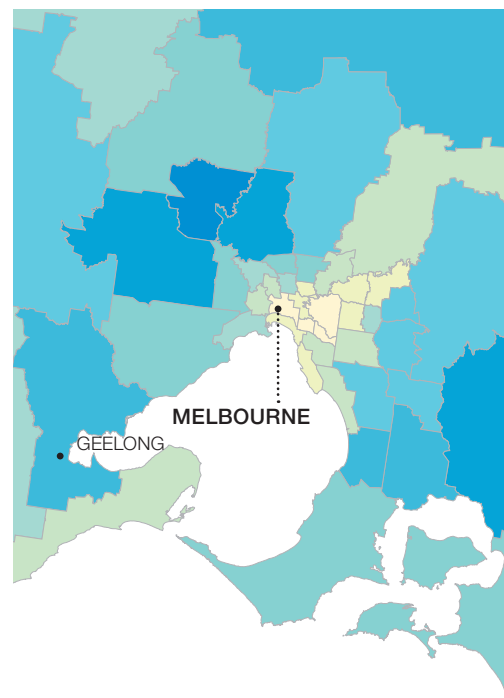
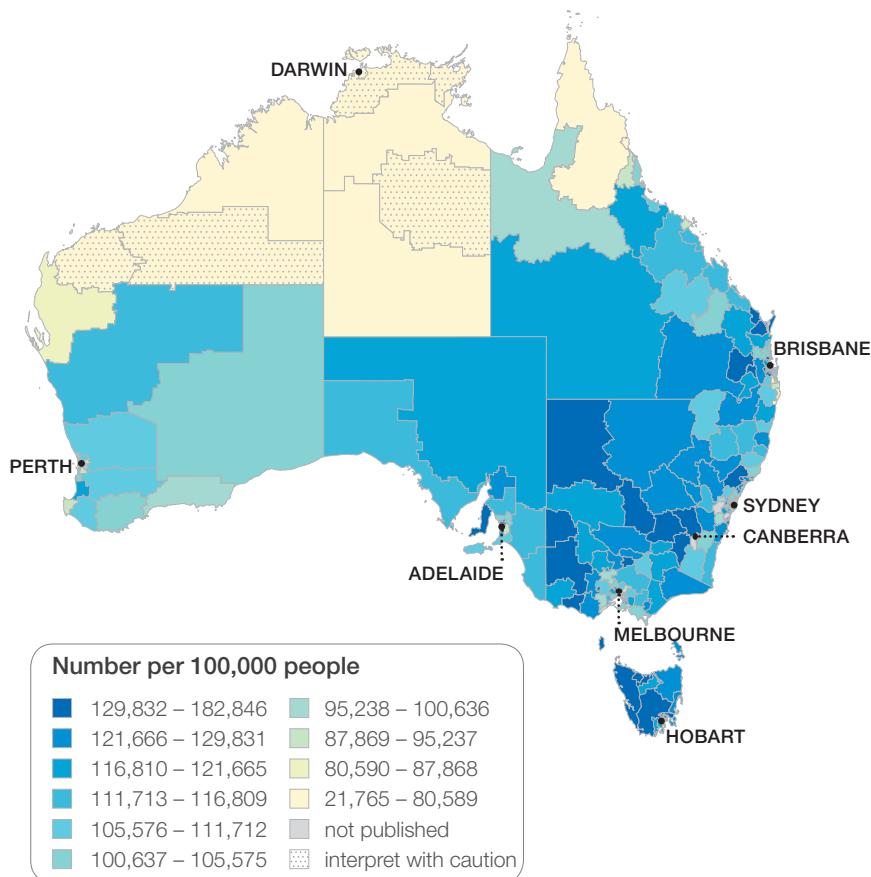
Highest rate areas Of the 10 highest SA3 rates nationally, one area was in Victoria.

SA3 area	Rate	Prescriptions
Shepparton	136,694	12,329

Proton pump inhibitor medicines dispensing 18 years and over

Number of PBS prescriptions dispensed for proton pump inhibitor medicines per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **5.0 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Prescriptions	Patients
New South Wales	105,543	66,462	145,767	7,159,289	994,065
Victoria	104,408	71,488	136,475	5,482,136	779,812
Queensland	108,660	67,992	147,767	4,384,675	609,569
Western Australia	95,806	43,023	119,093	1,948,629	290,178
South Australia	109,527	80,589	138,226	1,770,298	237,069
Tasmania	127,993	96,691	172,780	646,894	82,852
Australian Capital Territory	97,312	80,420	182,846*	288,088	41,108
Northern Territory	63,230	21,765*	82,423	83,684	14,550
Australia	105,294	34,489	172,780	21,768,718	3,050,104

Variation in Victoria

In Victoria, the lowest rate for proton pump inhibitor medicines dispensing was in **Melbourne City** (71,488 PBS prescriptions per 100,000 people) and the highest rate was in **Shepparton** (136,475 PBS prescriptions per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, none were in Victoria.

Highest rate areas Of the 10 highest SA3 rates nationally, none were in Victoria.

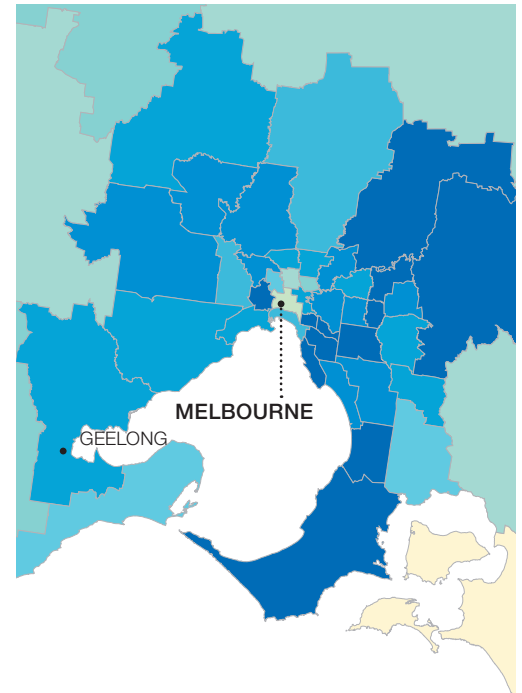
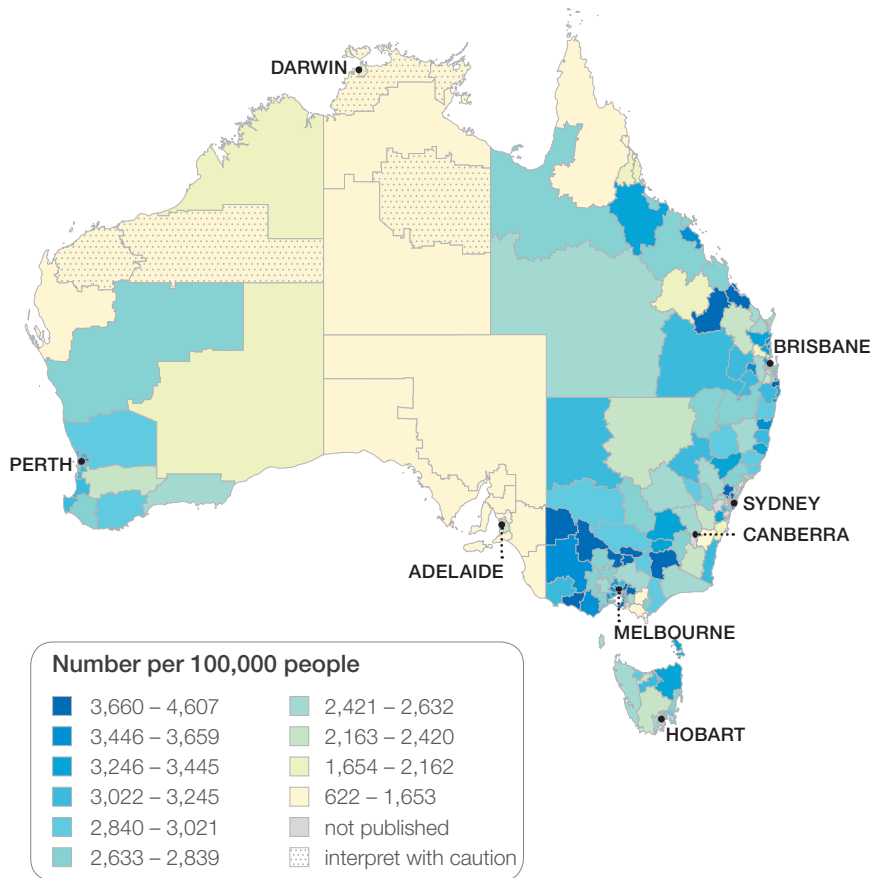
Dotted areas and asterisks (*) indicate rates that are considered more volatile than other published rates and should be interpreted with caution. These rates are excluded from the calculation of the difference between the highest and lowest SA3 rates in Australia.

Sources: AIHW analysis of Pharmaceutical Benefits Scheme data and ABS Estimated Resident Population 30 June 2016.

Colonoscopy hospitalisations all ages

Number of hospitalisations for colonoscopy per 100,000 people of all ages, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **7.4 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Hospitalisations
New South Wales	2,814	1,389	4,607	242,070
Victoria	3,371	878	4,579	225,764
Queensland	2,851	1,172	3,797	150,784
Western Australia	3,051	1,420*	3,969	82,217
South Australia	1,814	1,117	2,674	37,203
Tasmania	2,885	2,198	3,488	18,529
Australian Capital Territory	1,144	622	1,743	4,557
Northern Territory	1,860	952*	2,146	3,833
Australia	2,881	622	4,607	765,411

Variation in Victoria

In Victoria, the lowest rate for colonoscopy hospitalisations was in **Baw Baw** (878 hospitalisations per 100,000 people) and the highest rate was in **Shepparton** (4,579 hospitalisations per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, one area was in Victoria.

SA3 area	Rate	Hospitalisations
Baw Baw	878	543

Highest rate areas Of the 10 highest SA3 rates nationally, six areas were in Victoria.

SA3 area	Rate	Hospitalisations
Shepparton	4,579	3,332
Campaspe	4,534	2,193
Mornington Peninsula	4,357	9,265
Moira	4,142	1,572
Monash	4,139	8,316
Frankston	4,112	6,312

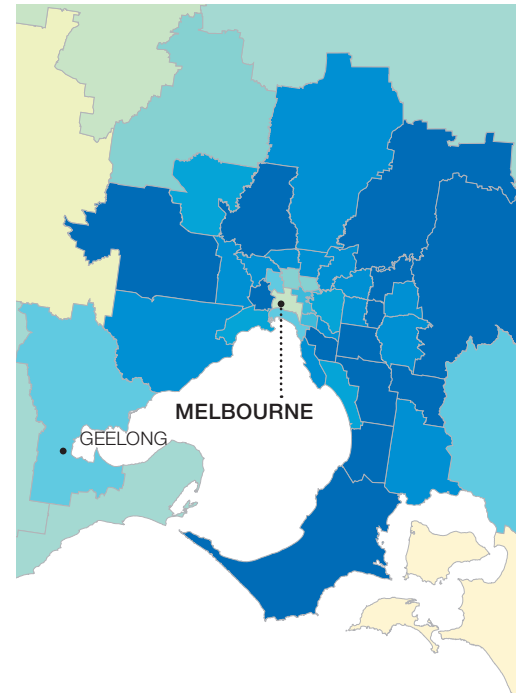
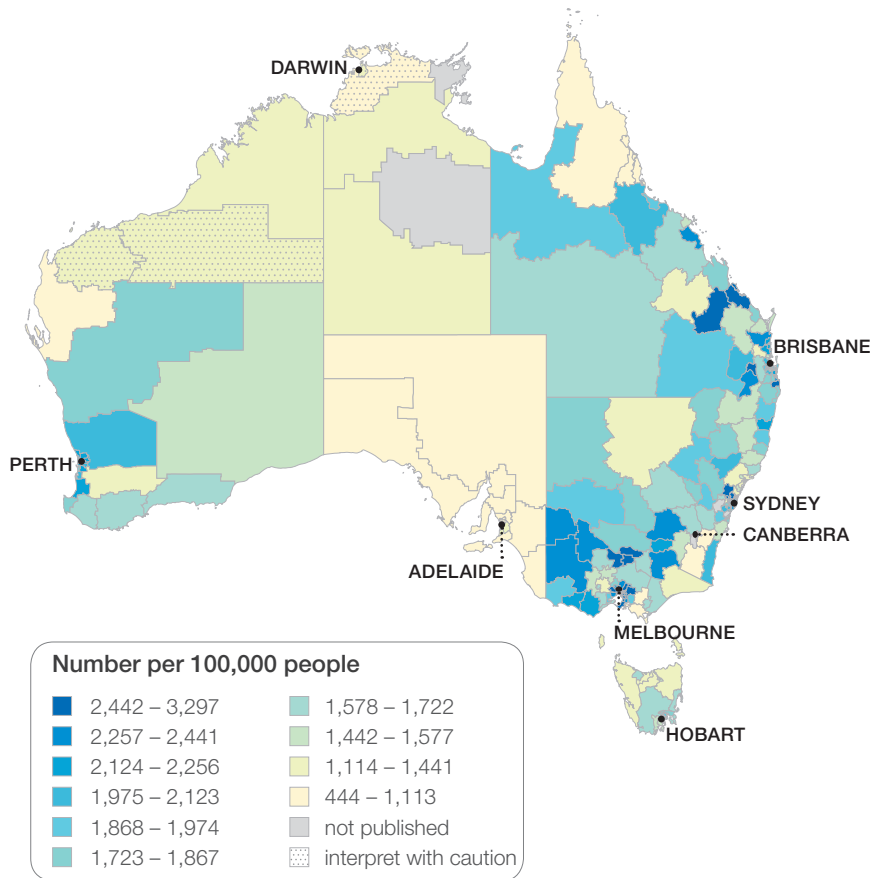
Dotted areas and asterisks (*) indicate rates that are considered more volatile than other published rates and should be interpreted with caution. These rates are excluded from the calculation of the difference between the highest and lowest SA3 rates in Australia.

Sources: AIHW analysis of National Hospital Morbidity Database and ABS Estimated Resident Population 30 June 2016.

Gastroscopy hospitalisations all ages

Number of hospitalisations for gastroscopy per 100,000 people of all ages, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **7.4 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Hospitalisations
New South Wales	1,903	737	3,297	161,454
Victoria	2,259	625	3,142	149,455
Queensland	1,927	632	2,750	100,437
Western Australia	2,031	946	2,452	54,039
South Australia	1,211	602	1,675	24,009
Tasmania	1,618	1,233	1,921	10,077
Australian Capital Territory	701	444	1,019	2,784
Northern Territory	1,355	990*	1,659	2,822
Australia	1,931	444	3,297	505,544

Variation in Victoria

In Victoria, the lowest rate for gastroscopy hospitalisations was in **Baw Baw** (625 hospitalisations per 100,000 people) and the highest rate was in **Shepparton** (3,142 hospitalisations per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, one area was in Victoria.

SA3 area	Rate	Hospitalisations
Baw Baw	625	381

Highest rate areas Of the 10 highest SA3 rates nationally, seven areas were in Victoria.

SA3 area	Rate	Hospitalisations
Shepparton	3,142	2,232
Dandenong	3,039	6,195
Monash	3,036	6,061
Campaspe	2,892	1,358
Frankston	2,853	4,304
Mornington Peninsula	2,823	5,764
Yarra Ranges	2,822	4,731

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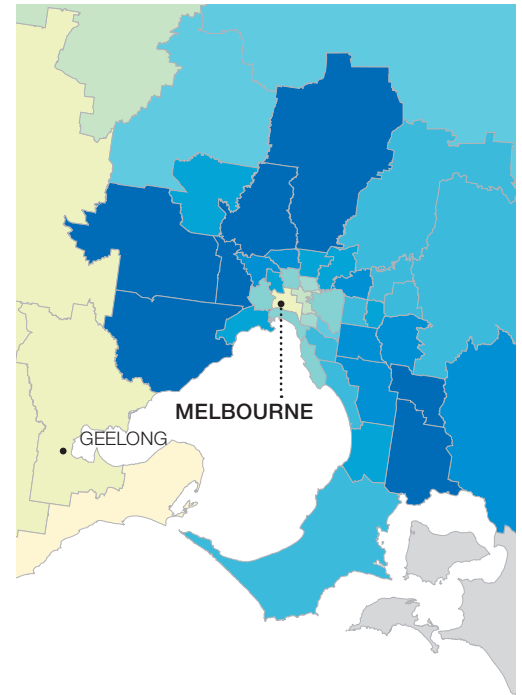
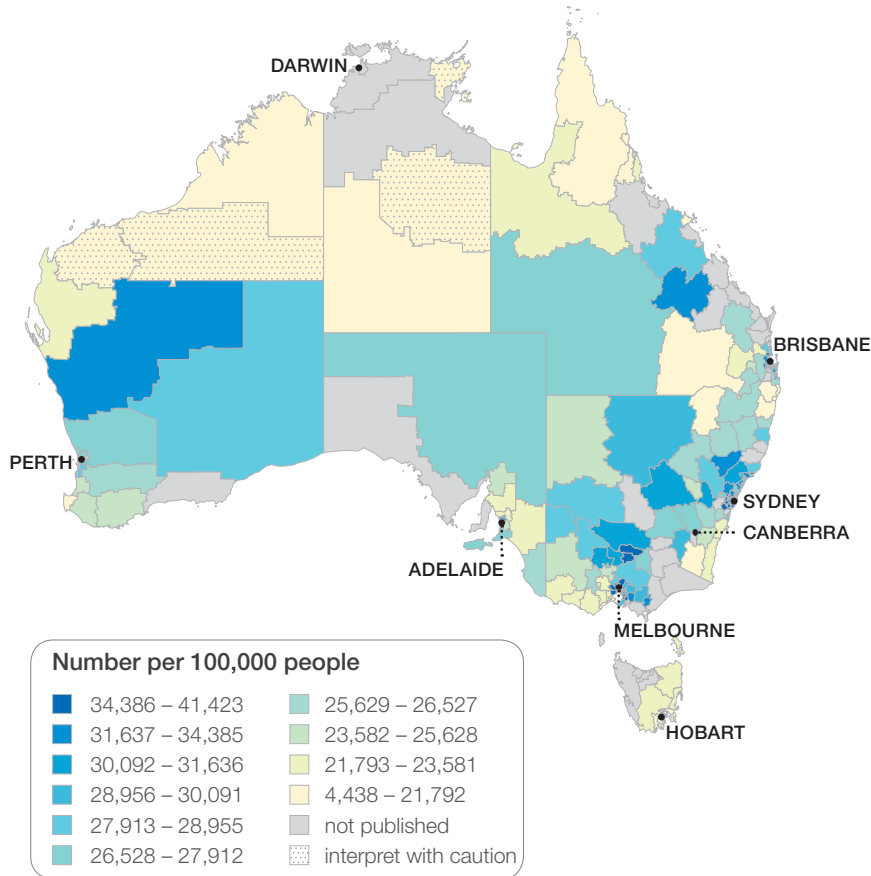
Sources: AIHW analysis of National Hospital Morbidity Database and ABS Estimated Resident Population 30 June 2016.

Thyroid stimulating hormone tests

18 years and over

Number of MBS-subsidised services for thyroid stimulating hormone tests per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **2.6 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Services
New South Wales	30,640	17,456	40,814	1,906,486
Victoria	29,899	21,613	40,033	1,471,039
Queensland	27,712	15,735	34,270	1,055,392
Western Australia	25,988	20,515*	32,010	514,853
South Australia	27,176	22,765	31,987	386,639
Tasmania	20,106	18,037	22,417	87,638
Australian Capital Territory	25,920	22,024	41,423*	79,354
Northern Territory	23,145	18,119*	29,270	37,837
Australia	28,742	15,735	40,814	5,539,805

Variation in Victoria

In Victoria, the lowest rate for thyroid stimulating hormone tests was in **Surf Coast - Bellarine Peninsula** (21,613 MBS services per 100,000 people) and the highest rate was in **Tullamarine - Broadmeadows** (40,033 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, none were in Victoria.

Highest rate areas Of the 10 highest SA3 rates nationally, one area was in Victoria.

SA3 area	Rate	Services
Tullamarine - Broadmeadows	40,033	47,297

Dotted areas and asterisks (*) indicate rates that are considered more volatile than other published rates and should be interpreted with caution. These rates are excluded from the calculation of the difference between the highest and lowest SA3 rates in Australia.

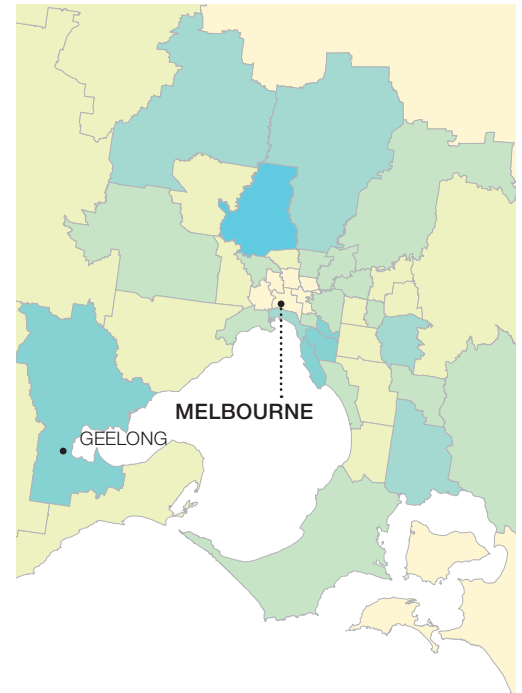
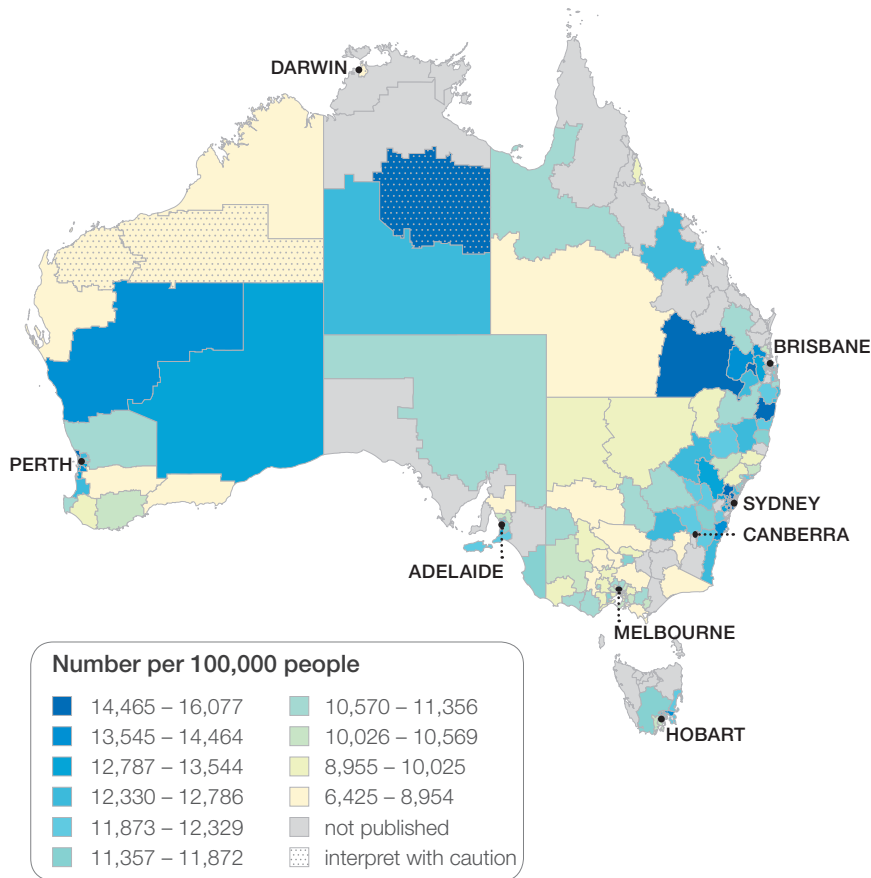
Sources: AIHW analysis of Medicare Benefits Schedule data and ABS Estimated Resident Population 30 June 2016.

Thyroid function tests

18 years and over

Number of MBS-subsidised services for thyroid function tests per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **2.5 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Services
New South Wales	13,234	7,531	16,077	824,854
Victoria	10,105	7,487	12,214	500,080
Queensland	12,892	8,732	15,273	492,076
Western Australia	12,324	6,425	14,919	243,925
South Australia	12,027	8,749	13,074	173,540
Tasmania	11,978	10,317	13,917	53,280
Australian Capital Territory	13,866	13,211	15,983	42,246
Northern Territory	8,868	7,470*	16,038*	13,879
Australia	12,116	6,425	16,077	2,344,089

Variation in Victoria

In Victoria, the lowest rate for thyroid function tests was in **Gippsland - East** (7,487 MBS services per 100,000 people) and the highest rate was in **Tullamarine - Broadmeadows** (12,214 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, **three areas** were in Victoria.

SA3 area	Rate	Services
Gippsland - East	7,487	3,229
Maryborough - Pyrenees	8,092	1,930
Melbourne City	8,107	6,733

Highest rate areas Of the 10 highest SA3 rates nationally, **none** were in Victoria.

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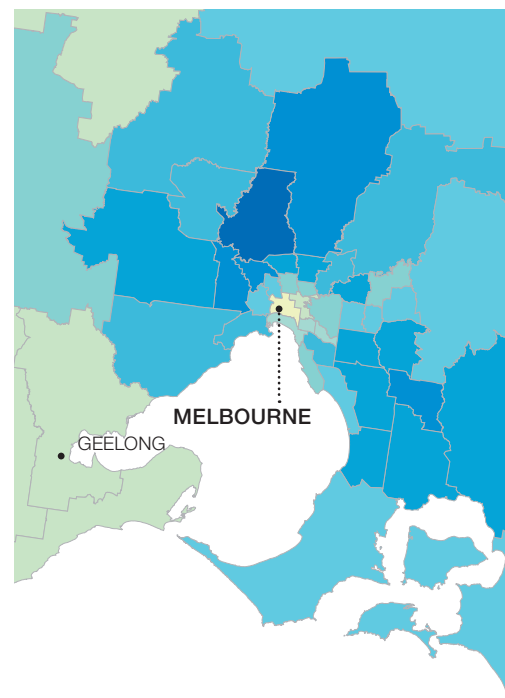
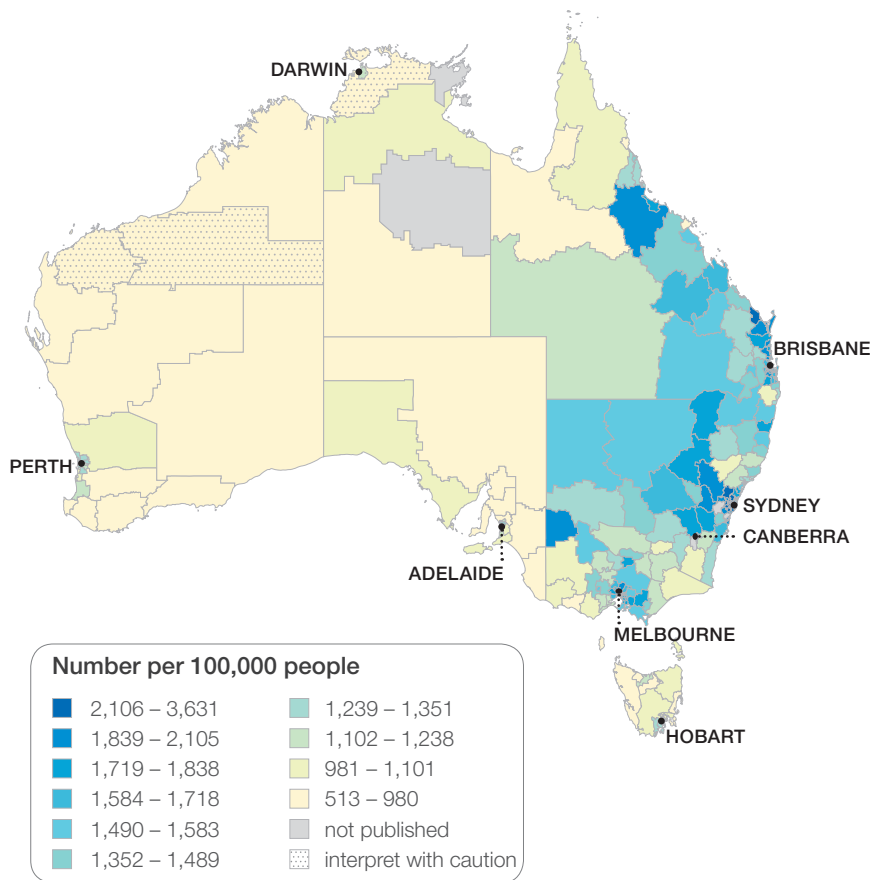
Sources: AIHW analysis of Medicare Benefits Schedule data and ABS Estimated Resident Population 30 June 2016.

Neck ultrasound

18 years and over

Number of MBS-subsidised services for neck ultrasound per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **5.6 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Services
New South Wales	1,946	995	2,893	120,072
Victoria	1,570	980	2,288	76,831
Queensland	1,650	896	2,205	63,006
Western Australia	1,125	618	1,339	22,211
South Australia	1,103	682	1,390	15,501
Tasmania	1,037	798	1,281	4,547
Australian Capital Territory	1,449	1,238	3,631*	4,444
Northern Territory	983	513	1,340	1,615
Australia	1,606	513	2,893	308,247

Variation in Victoria

In Victoria, the lowest rate for neck ultrasound was in **Warrnambool** (980 MBS services per 100,000 people) and the highest rate was in **Tullamarine - Broadmeadows** (2,288 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, none were in Victoria.

Highest rate areas Of the 10 highest SA3 rates nationally, none were in Victoria.

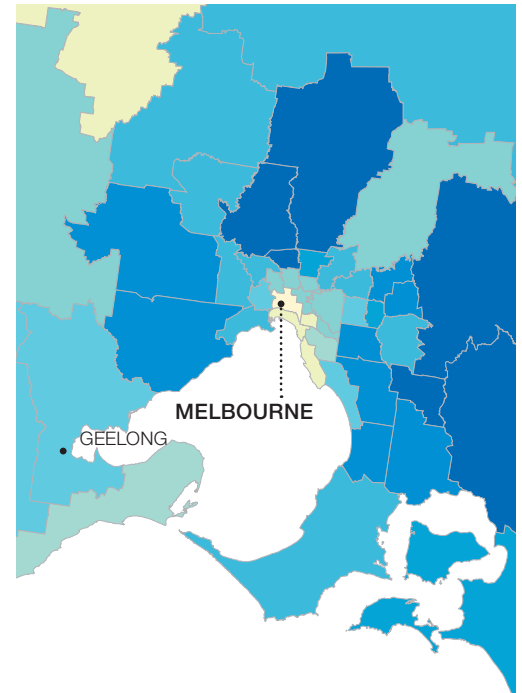
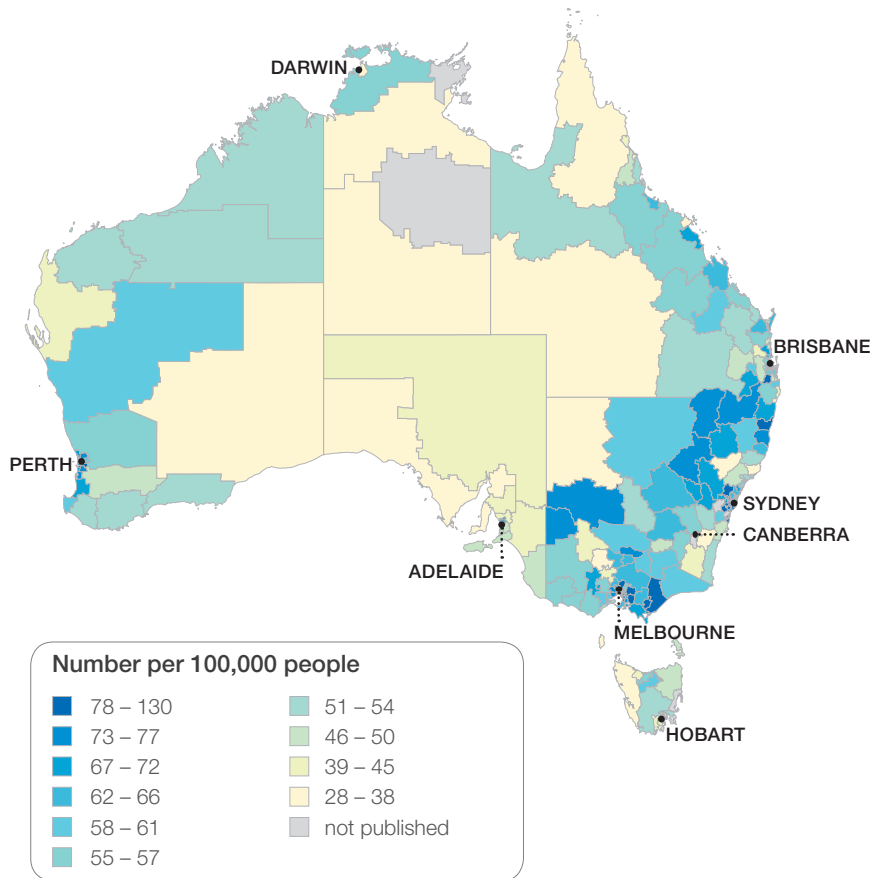
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 Sources: AIHW analysis of Medicare Benefits Schedule data and ABS Estimated Resident Population 30 June 2016.

Thyroidectomy hospitalisations

18 years and over

Number of hospitalisations for thyroidectomy per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2014–15 to 2016–17

Nationally, the rate was **4.6 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Hospitalisations
New South Wales	68	29	104	12,485
Victoria	65	36	130	9,388
Queensland	55	28	101	6,217
Western Australia	66	38	91	3,879
South Australia	46	29	69	1,926
Tasmania	48	32	62	621
Australian Capital Territory	42	33	49	380
Northern Territory	45	31	60	222
Australia	62	28	130	35,166

Variation in Victoria

In Victoria, the lowest rate for thyroidectomy hospitalisations was in **Melbourne City** (36 hospitalisations per 100,000 people) and the highest rate was in **Latrobe Valley** (130 hospitalisations per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, **three areas** were in Victoria.

SA3 area	Rate	Hospitalisations
Melbourne City	36	88
Bendigo	37	82
Loddon - Elmore	37	15

Highest rate areas Of the 10 highest SA3 rates nationally, **one area** was in Victoria.

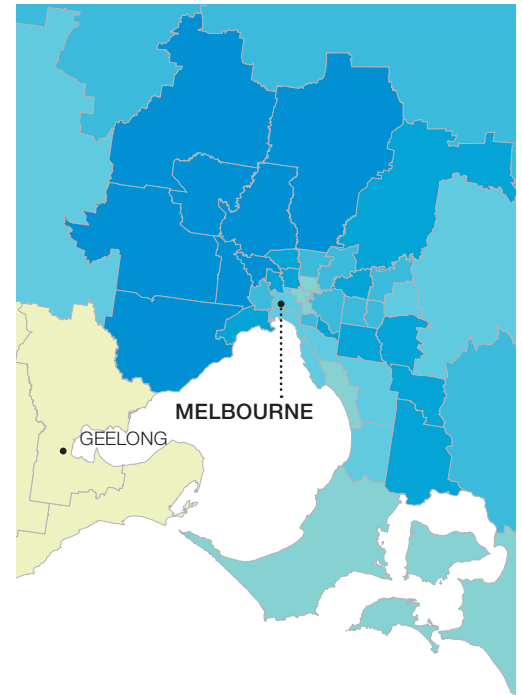
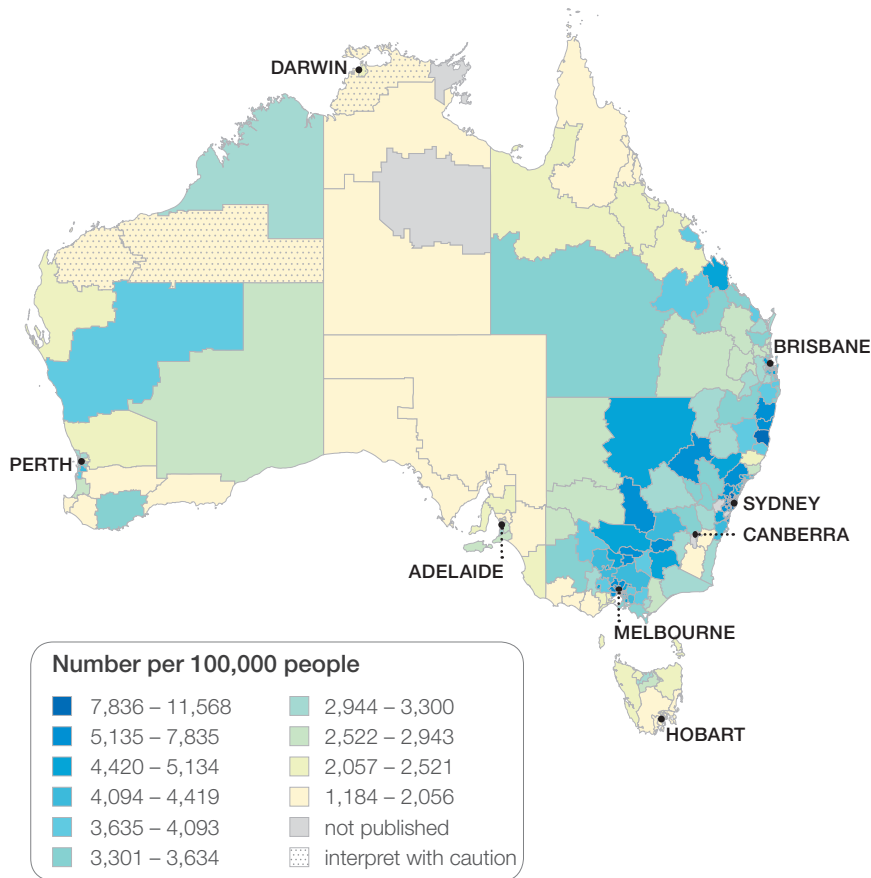
SA3 area	Rate	Hospitalisations
Latrobe Valley	130	242

Cardiac stress tests and imaging

18 years and over

Number of MBS-subsidised services for cardiac stress tests and imaging per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **9.8 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Services
New South Wales	6,673	1,547	11,568	444,753
Victoria	4,268	1,923	7,376	216,856
Queensland	3,597	1,583	5,430	145,791
Western Australia	3,012	1,318*	4,170	62,080
South Australia	2,661	1,184	3,363	41,745
Tasmania	2,289	1,511	2,994	11,552
Australian Capital Territory	2,370	2,259	2,782	7,125
Northern Territory	2,450	1,269	3,451	3,739
Australia	4,575	1,184	11,568	933,727

Variation in Victoria

In Victoria, the lowest rate for cardiac stress tests and imaging was in **Colac - Corangamite** (1,923 MBS services per 100,000 people) and the highest rate was in **Shepparton** (7,376 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, none were in Victoria.

Highest rate areas Of the 10 highest SA3 rates nationally, none were in Victoria.

Dotted areas and asterisks (*) indicate rates that are considered more volatile than other published rates and should be interpreted with caution. These rates are excluded from the calculation of the difference between the highest and lowest SA3 rates in Australia.

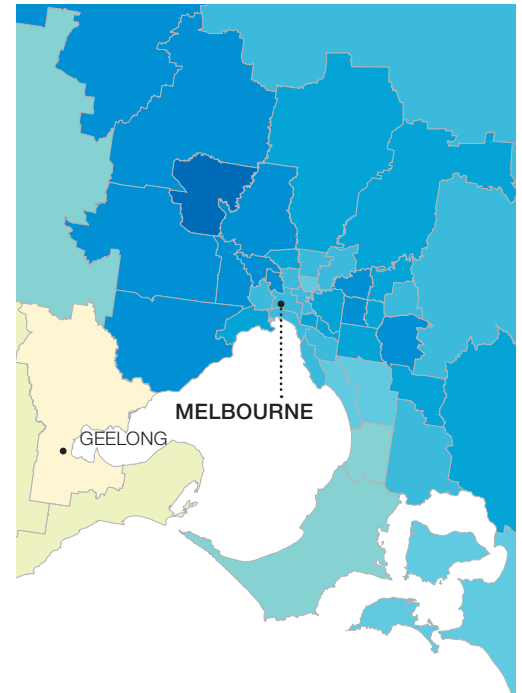
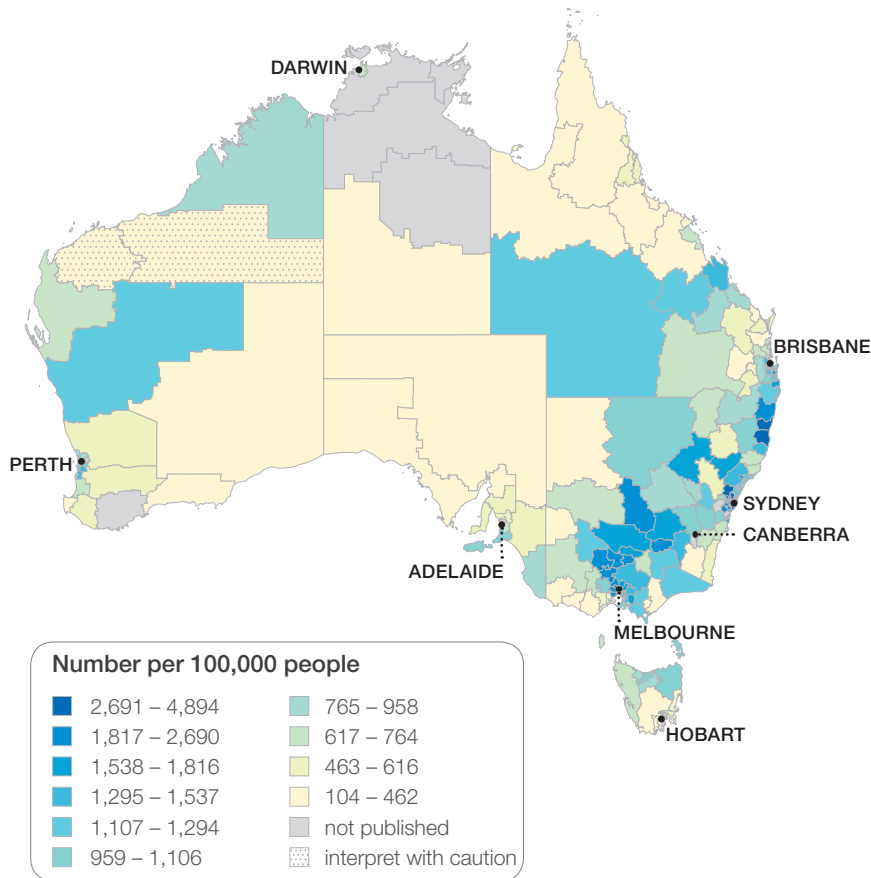
Sources: AIHW analysis of Medicare Benefits Schedule data and ABS Estimated Resident Population 30 June 2016.

Stress echocardiography

18 years and over

Number of MBS-subsidised services for stress echocardiography per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **47.1 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Services
New South Wales	2,265	399	4,894	150,723
Victoria	1,465	265	2,835	73,863
Queensland	1,014	252	1,871	41,160
Western Australia	920	129	1,440	18,942
South Australia	747	104	1,254	11,782
Tasmania	749	370	1,085	3,774
Australian Capital Territory	731	600	913	2,214
Northern Territory	698	457	912	1,042
Australia	1,491	104	4,894	303,525

Variation in Victoria

In Victoria, the lowest rate for stress echocardiography was in **Mildura** (265 MBS services per 100,000 people) and the highest rate was in **Sunbury** (2,835 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, one area was in Victoria.

SA3 area	Rate	Services
Mildura	265	127

Highest rate areas Of the 10 highest SA3 rates nationally, none were in Victoria.

Dotted areas indicate rates that are considered more volatile than other published rates and should be interpreted with caution. These rates are excluded from the calculation of the difference between the highest and lowest SA3 rates in Australia.

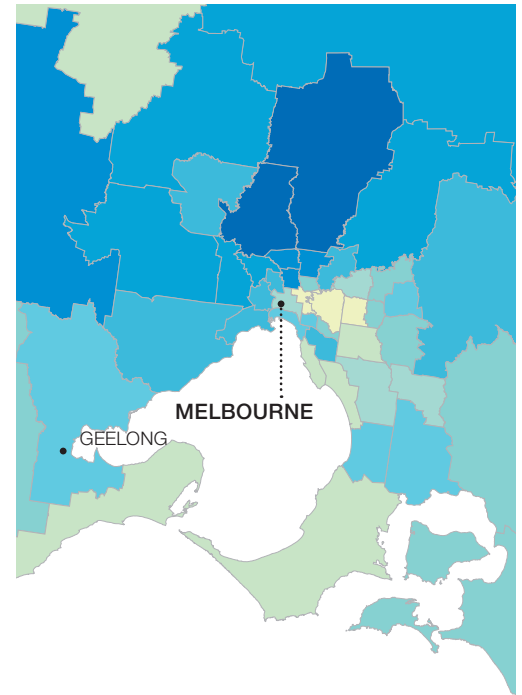
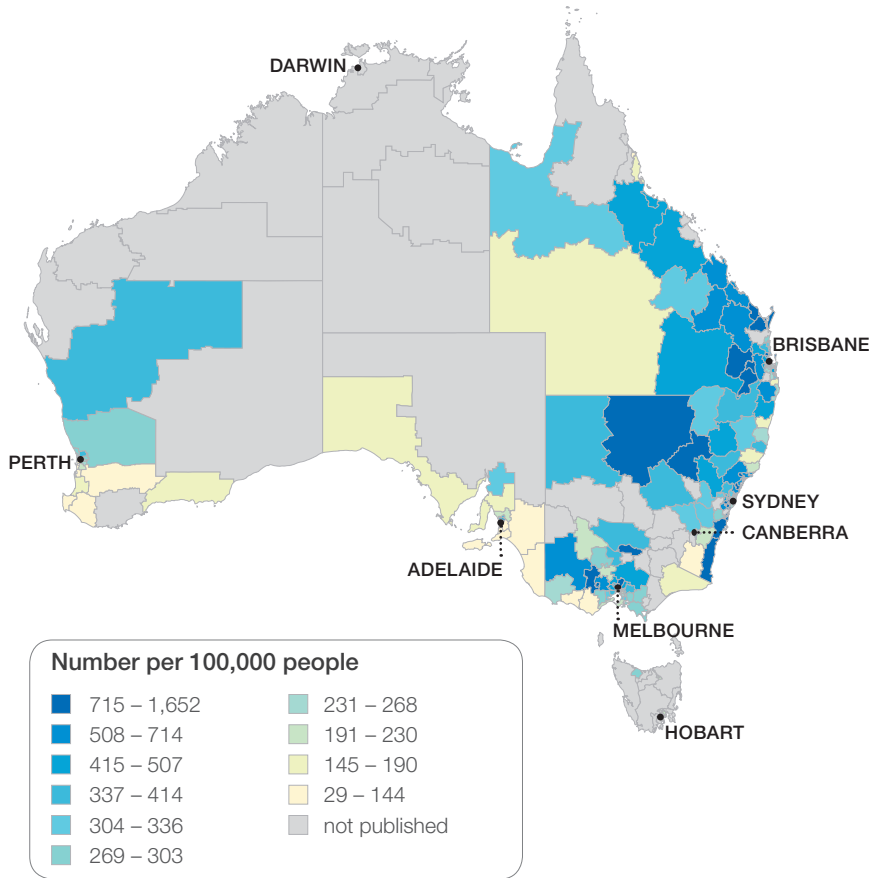
Sources: AIHW analysis of Medicare Benefits Schedule data and ABS Estimated Resident Population 30 June 2016.

Myocardial perfusion scans

18 years and over

Number of MBS-subsidised services for myocardial perfusion scans per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **57.0 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Services
New South Wales	485	144	1,652	33,155
Victoria	385	121	1,041	20,196
Queensland	418	71	1,033	17,112
Western Australia	206	86	372	4,227
South Australia	182	29	486	2,953
Tasmania	248	199	302	1,292
Australian Capital Territory	241	186	313	700
Northern Territory	193	n.p.	n.p.	262
Australia	384	29	1,652	79,905

Variation in Victoria

In Victoria, the lowest rate for myocardial perfusion scans was in **Colac - Corangamite** (121 MBS services per 100,000 people) and the highest rate was in **Ballarat** (1,041 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, none were in Victoria.

Highest rate areas Of the 10 highest SA3 rates nationally, one area was in Victoria.

SA3 area	Rate	Services
Ballarat	1,041	984

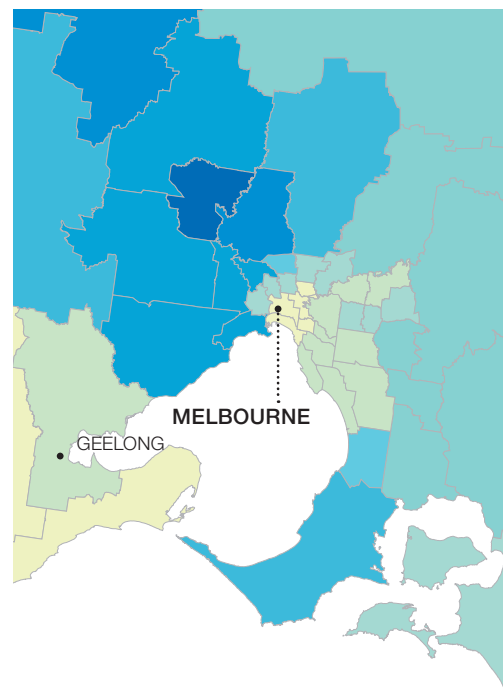
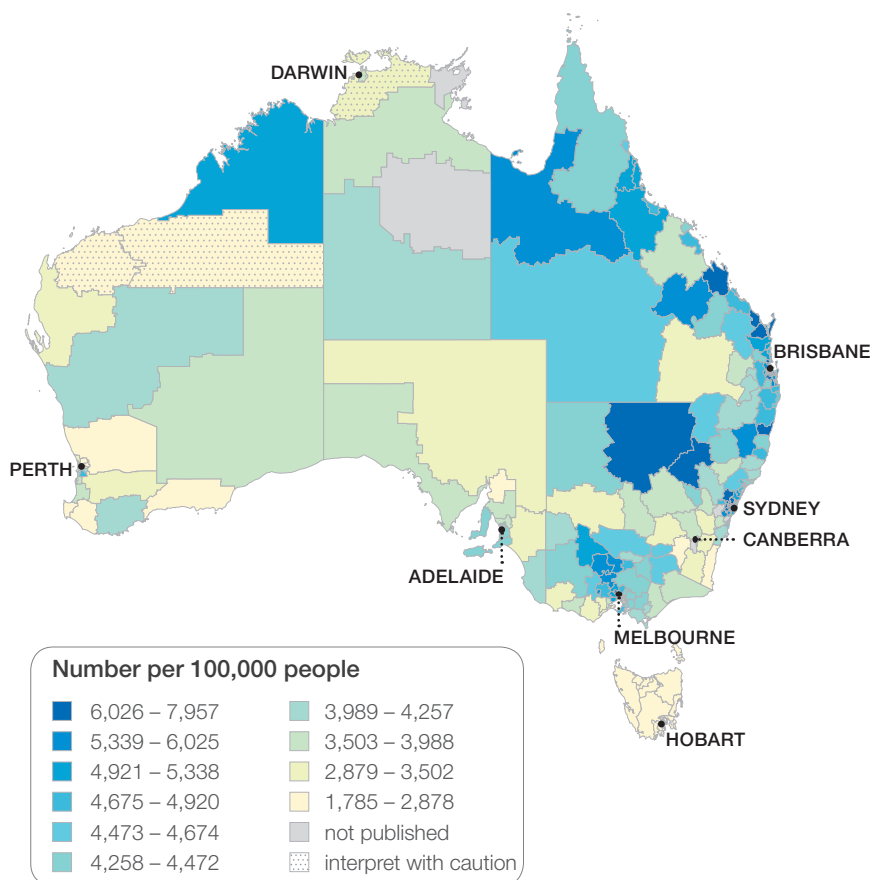
Sources: AIHW analysis of Medicare Benefits Schedule data and ABS Estimated Resident Population 30 June 2016.

Standard echocardiography

18 years and over

Number of MBS-subsidised services for standard echocardiography per 100,000 people aged 18 years and over, age and sex standardised, by Statistical Area Level 3 (SA3) of patient residence, 2016–17

Nationally, the rate was **3.5 times as high** in the area with the highest rate compared to the area with the lowest rate.



State	Rate	Lowest SA3 rate	Highest SA3 rate	Services
New South Wales	5,309	2,628	7,957	359,202
Victoria	4,316	3,010	6,320	224,211
Queensland	5,016	3,365	7,051	200,703
Western Australia	3,167	1,785*	5,149	64,222
South Australia	4,250	2,783	4,843	68,247
Tasmania	2,624	2,329	2,890	13,211
Australian Capital Territory	2,902	2,765	3,111	8,590
Northern Territory	4,499	3,307*	5,048	6,582
Australia	4,599	2,279	7,957	945,056

Variation in Victoria

In Victoria, the lowest rate for standard echocardiography was in **Melbourne City** (3,010 MBS services per 100,000 people) and the highest rate was in **Sunbury** (6,320 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, none were in Victoria.

Highest rate areas Of the 10 highest SA3 rates nationally, none were in Victoria.

Dotted areas and asterisks (*) indicate rates that are considered more volatile than other published rates and should be interpreted with caution. These rates are excluded from the calculation of the difference between the highest and lowest SA3 rates in Australia.

Sources: AIHW analysis of Medicare Benefits Schedule data and ABS Estimated Resident Population 30 June 2016.