State Summary

New South Wales

Paediatric health	Lowest SA3 rate per 100,000	Highest SA3 rate per 100,000	Rate per 100,000	National rate per 100,000
Antibiotics dispensing in children 9 years and under	66,391	159,688	101,950	96,721
Proton pump inhibitor medicines dispensing 1 year and under	N/A	N/A	3,487	3,628

Gastrointestinal investigations and treatments	Lowest SA3 rate per 100,000	Highest SA3 rate per 100,000	Rate per 100,000	National rate per 100,000
Proton pump inhibitor medicines dispensing 18 years and over	66,462	145,767	105,543	105,294
Colonoscopy hospitalisations all ages	1,389	4,607	2,814	2,881
Gastroscopy hospitalisations all ages	737	3,297	1,903	1,931

Thyroid investigations and treatments	Lowest SA3 rate per 100,000	Highest SA3 rate per 100,000	Rate per 100,000	National rate per 100,000
Thyroid stimulating hormone tests 18 years and over	17,456	40,814	30,640	28,742
Thyroid function tests 18 years and over	7,531	16,077	13,234	12,116
Neck ultrasound 18 years and over	995	2,893	1,946	1,606
Thyroidectomy hospitalisations 18 years and over	29	104	68	62

Cardiac tests	Lowest SA3 rate per 100,000	Highest SA3 rate per 100,000	Rate per 100,000	National rate per 100,000
Cardiac stress tests and imaging [†] 18 years and over	1,547	11,568	6,673	4,575
Stress echocardiography 18 years and over	399	4,894	2,265	1,491
Myocardial perfusion scans 18 years and over	144	1,652	485	384
Standard echocardiography 18 years and over	2,628	7,957	5,309	4,599

 $[\]overline{^\dagger}$ exercise ECG, stress echocardiography, myocardial perfusion scans, computed tomography coronary arteries

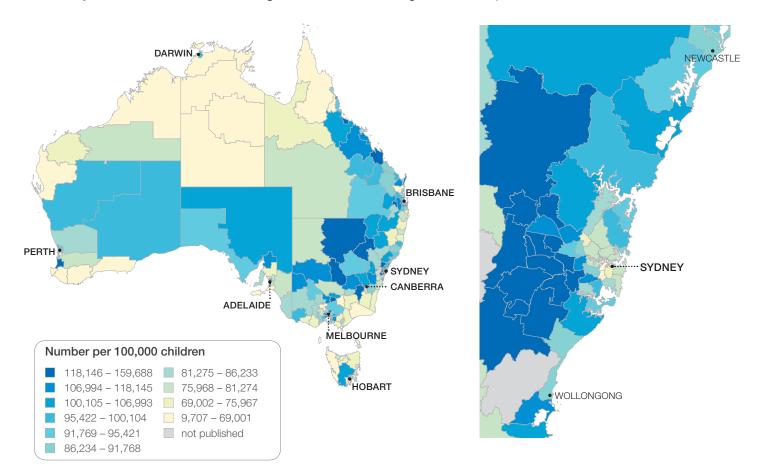
Antibiotics dispensing in children

9 years and under

New South Wales

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	SA3 rate	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 New South Wales

In New South Wales, the lowest rate for antibiotics dispensing in children was in Marrickville - Sydenham - Petersham (66,391 PBS prescriptions per 100,000 people) and the highest rate was in St Marys (159,688 PBS prescriptions per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, **none** were in New South Wales.

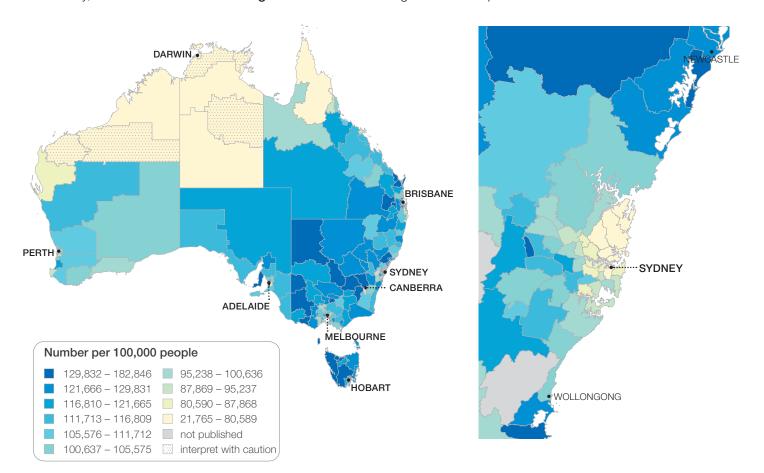
eight areas were in New South Wales.				
SA3 area	Rate	Prescriptions		
St Marys	159,688	13,152		
Fairfield	154,713	37,602		
Griffith - Murrumbidgee (West)	152,566	10,681		
Campbelltown (NSW)	142,501	35,189		
Mount Druitt	141,411	27,748		
Liverpool	137,887	26,855		
Merrylands - Guildford	136,160	33,383		
Penrith	132,552	29,335		

Proton pump inhibitor medicines dispensing 18 years and over

New South Wales

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	SA3 rate	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 New South Wales

In New South Wales, the lowest rate for proton pump inhibitor medicines dispensing was in **Manly** (66,462 PBS prescriptions per 100,000 people) and the highest rate was in **Maitland** (145,767 PBS prescriptions per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, **none** were in New South Wales.

Highest rate areas Of the three areas were in New South	_	SA3 rates nationally,
SA3 area	Rate	Prescriptions
Maitland	145,767	87,845
Wagga Wagga	143,082	124,185
Griffith - Murrumbidgee (West)	141,624	62,654

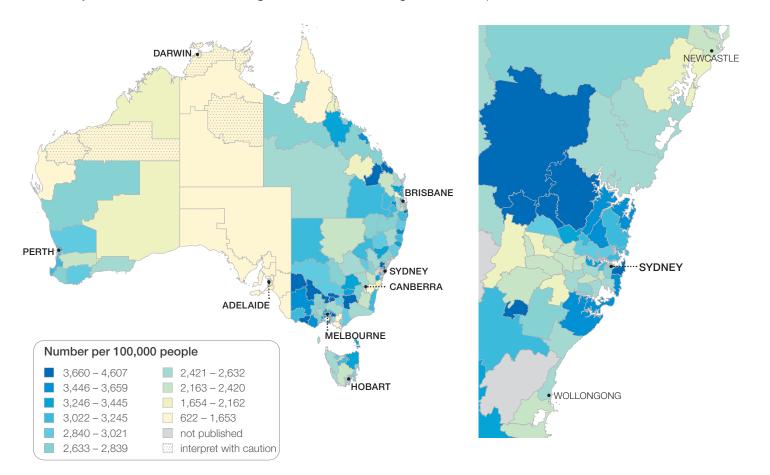
Colonoscopy hospitalisations

all ages

New South Wales

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 New South Wales

In New South Wales, the lowest rate for colonoscopy hospitalisations was in **Queanbeyan** (1,389 hospitalisations per 100,000 people) and the highest rate was in **Hawkesbury** (4,607 hospitalisations per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, **none** were in New South Wales.

Highest rate areas Of the	areas Of the 10 highest SA3 rates nationally,					
four areas were in New South Wales.						
SA3 area	Rate	Hospitalisations				

Hawkesbury 4,607 1,227
Eastern Suburbs - North 4,547 6,530
Richmond - Windsor 4,241 1,638
Rouse Hill - McGraths Hill 4,195 1,281

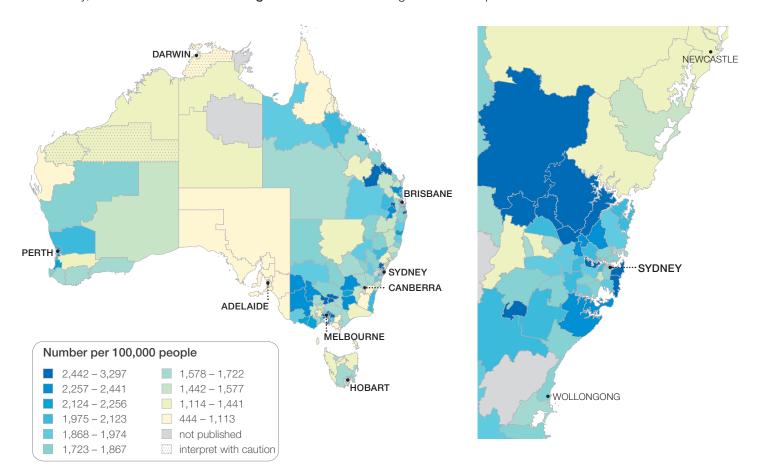
Gastroscopy hospitalisations

all ages

New South Wales

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.



Rate	SA3 rate	SA3 rate	Hospitalisations
1,903	737	3,297	161,454
2,259	625	3,142	149,455
1,927	632	2,750	100,437
2,031	946	2,452	54,039
1,211	602	1,675	24,009
1,618	1,233	1,921	10,077
701	444	1,019	2,784
1,355	990*	1,659	2,822
1,931	444	3,297	505,544
	1,903 2,259 1,927 2,031 1,211 1,618 701 1,355	1,903 737 2,259 625 1,927 632 2,031 946 1,211 602 1,618 1,233 701 444 1,355 990*	Name SA3 rate SA3 rate 1,903 737 3,297 2,259 625 3,142 1,927 632 2,750 2,031 946 2,452 1,211 602 1,675 1,618 1,233 1,921 701 444 1,019 1,355 990* 1,659

Variation in New South Wales

In New South Wales, the lowest rate for gastroscopy hospitalisations was in **Queanbeyan** (737 hospitalisations per 100,000 people) and the highest rate was in **Eastern Suburbs - North** (3,297 hospitalisations per 100,000 people).

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

SA3 area Rate Hospitalisations

Queanbeyan

737

446

Highest rate areas Of the 10 highest SA3 rates nationally,						
three areas were in New South Wales.						
SA3 area	Rate	Hospitalisations				
Eastern Suburbs - North	3,297	4,705				
Hawkesbury	3,208	832				
Rouse Hill - McGraths Hill	3,021	924				

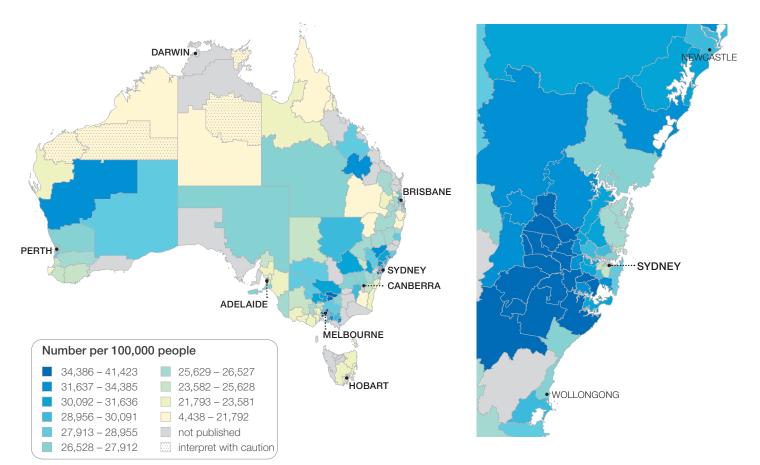
Thyroid stimulating hormone tests

18 years and over

New South Wales

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	SA3 rate	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 New South Wales

In New South Wales, the lowest rate for thyroid stimulating hormone tests was in **Snowy Mountains** (17,456 MBS services per 100,000 people) and the highest rate was in **Blacktown - North** (40,814 MBS services per 100,000 people).

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

SA3 area Rate Services
Snowy Mountains 17,456 2,906

Highest rate areas Of the 10 highest SA3 rates nationally, nine areas were in New South Wales.				
SA3 area	Rate	Services		
Blacktown - North	40,814	25,640		
Fairfield	40,033	60,113		
Mount Druitt	39,753	31,600		
Merrylands - Guildford	39,646	45,486		
Blacktown	39,481	41,021		
Canterbury	39,290	42,061		
Bankstown	38,944	52,385		
Liverpool	38,631	33,999		
St Marys	37,597	15,225		

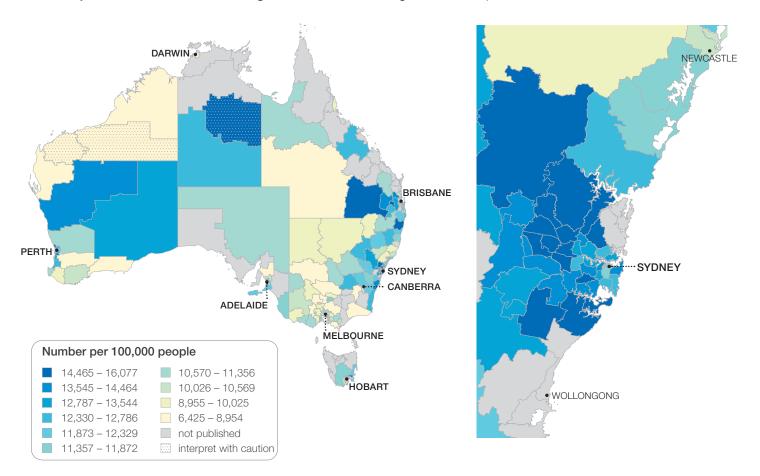
Thyroid function tests

18 years and over

New South Wales

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 New South Wales

In New South Wales, the lowest rate for thyroid function tests was in **Upper Murray exc. Albury** (7,531 MBS services per 100,000 people) and the highest rate was in **Dural - Wisemans Ferry** (16,077 MBS services per 100,000 people).

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

SA3 area Rate Services
Upper Murray exc. Albury 7,531 3,143

Highest rate areas	Of the 10 highest SA3 rates nationally,
eight areas were in New	South Wales.

SA3 area	Rate	Services
Dural - Wisemans Ferry	16,077	3,504
Sutherland - Menai - Heathcote	15,927	14,081
Baulkham Hills	15,897	18,342
Parramatta	15,778	17,670
Clarence Valley	15,598	7,337
Merrylands - Guildford	15,587	17,807
Campbelltown (NSW)	15,493	18,504
Hawkesbury	15,413	2,867

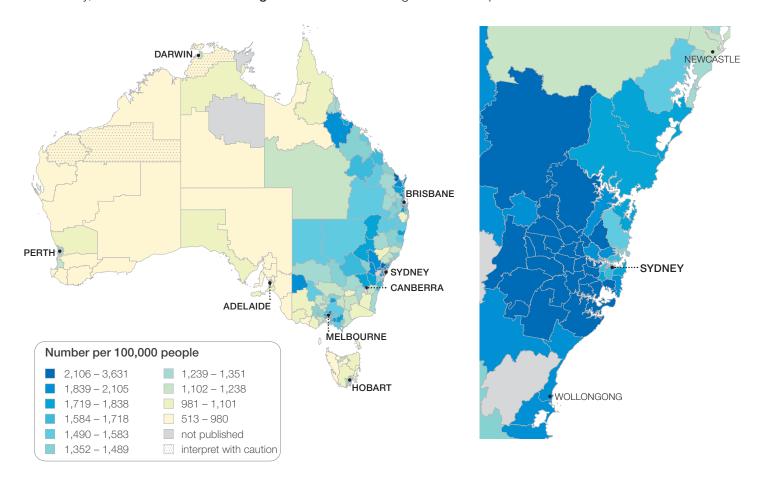
Neck ultrasound

18 years and over

New South Wales

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	SA3 rate	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 New South Wales

In New South Wales, the lowest rate for neck ultrasound was in **Snowy Mountains** (995 MBS services per 100,000 people) and the highest rate was in **Fairfield** (2,893 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, **none** were in New South Wales.

Highest rate areas Of the 10 highest SA3 rates nationally, nine areas were in New South Wales.					
SA3 area	Rate	Services			
Fairfield	2,893	4,315			
Canterbury	2,861	3,020			
Liverpool	2,858	2,525			
Bankstown	2,835	3,753			
Merrylands - Guildford	2,765	3,127			
Bringelly - Green Valley	2,685	2,001			
Hurstville	2,662	2,851			
Blacktown	2,637	2,745			
Blacktown - North	2,552	1,653			

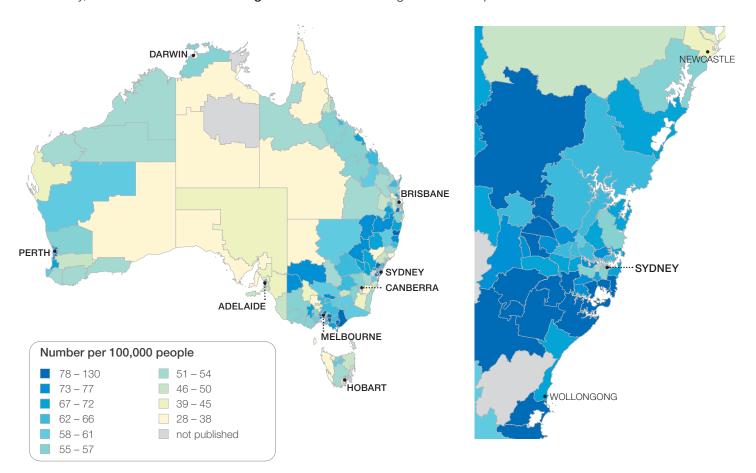
Thyroidectomy hospitalisations

18 years and over

New South Wales

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	SA3 rate	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 New South Wales

In New South Wales, the lowest rate for thyroidectomy hospitalisations was in **Great Lakes** (29 hospitalisations per 100,000 people) and the highest rate was in **Botany** (104 hospitalisations per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, four areas were in New South Wales.					
SA3 area	Rate	Hospitalisations			
Great Lakes	29	30			
Upper Hunter	34	24			
Broken Hill and Far West	35	20			
Queanbeyan	36	50			

Highest rate areas Of the 10 highest SA3 rates nationally, 10 areas were in New South Wales.					
SA3 area	Rate	Hospitalisations			
Botany	104	109			
Campbelltown (NSW)	92	325			
Cronulla - Miranda - Caringbah	92	258			
Blacktown - North	91	169			
Camden	90	119			
Rouse Hill - McGraths Hill	89	57			
Dapto - Port Kembla	88	166			
Liverpool	87	224			
Kogarah - Rockdale	86	286			
Bringelly - Green Valley	86	184			

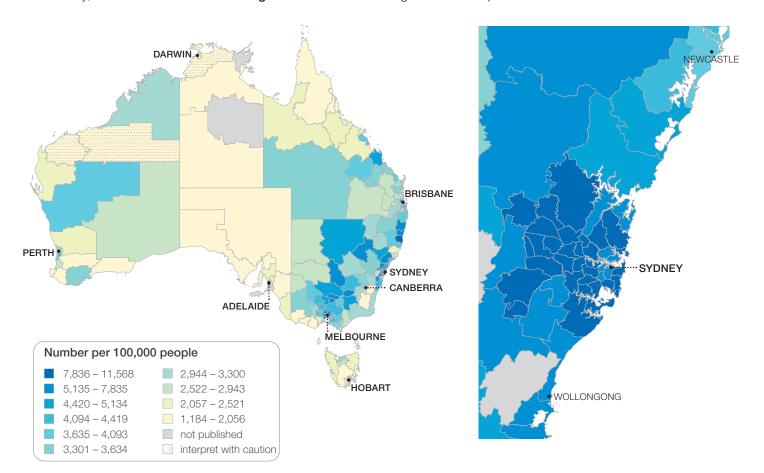
Cardiac stress tests and imaging

18 years and over

New South Wales

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	SA3 rate	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 New South Wales

In New South Wales, the lowest rate for cardiac stress tests and imaging was in **Snowy Mountains** (1,547 MBS services per 100,000 people) and the highest rate was in **Blacktown - North** (11,568 MBS services per 100,000 people).

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

SA3 area Rate Services
Snowy Mountains 1,547 303

Highest rate areas	Of the 10 highest SA3 rates nationally,
10 areas were in New Sou	uth Wales.

To aleas were in New Coulin Wales.				
SA3 area	Rate	Services		
Blacktown - North	11,568	6,487		
Fairfield	11,267	17,772		
Cronulla - Miranda - Caringbah	10,917	11,694		
Merrylands - Guildford	10,722	12,094		
Sutherland - Menai - Heathcote	10,638	10,155		
Blacktown	10,518	10,912		
Canterbury	10,499	11,237		
Baulkham Hills	10,350	13,101		
Parramatta	10,293	10,195		
Rouse Hill - McGraths Hill	9,890	2,250		

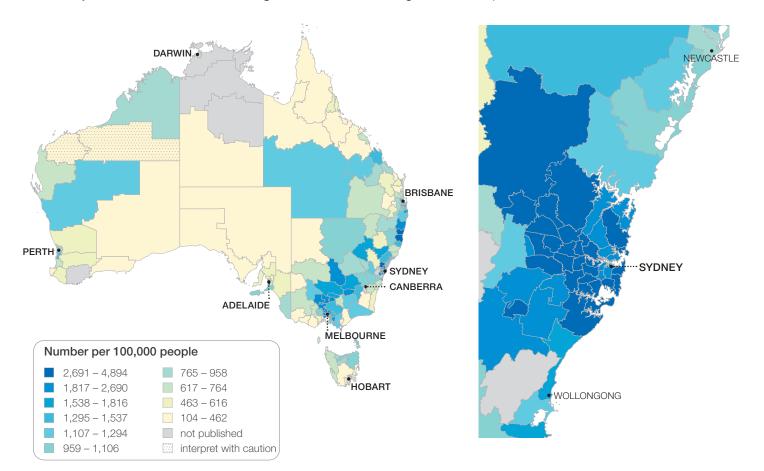
Stress echocardiography

18 years and over

New South Wales

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	SA3 rate	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 New South Wales

In New South Wales, the lowest rate for stress echocardiography was in **Broken Hill and Far West** (399 MBS services per 100,000 people) and the highest rate was in **Cronulla** -

Miranda - Caringbah (4,894 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, **none** were in New South Wales.

Highest rate areas Of the	10 highest	SA3 rates nationa	lly,
10 areas were in New South Wa	ales.		
SA3 area	Rate	Services	

SA3 area	Rate	Services
Cronulla - Miranda - Caringbah	4,894	5,234
Sutherland - Menai - Heathcote	4,713	4,508
Blacktown - North	4,261	2,438
Kempsey - Nambucca	4,123	2,414
Baulkham Hills	3,999	5,057
Canterbury	3,998	4,276
Rouse Hill - McGraths Hill	3,781	864
Eastern Suburbs - South	3,768	4,147
Hurstville	3,693	4,109
Dural - Wisemans Ferry	3,606	959

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.

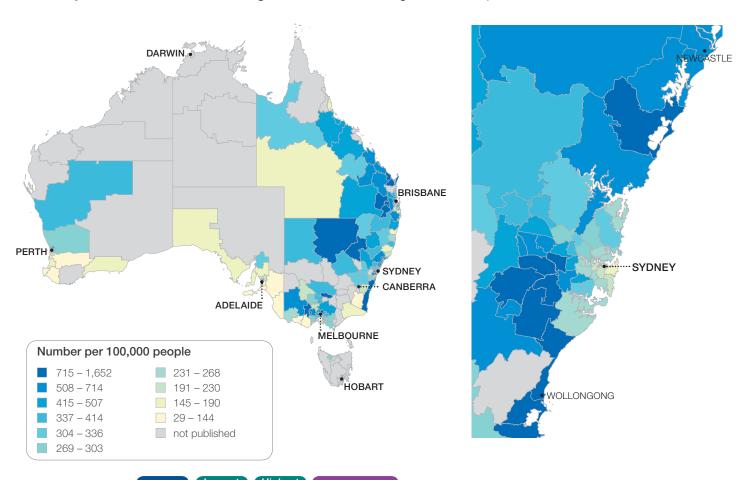
Myocardial perfusion scans

18 years and over

New South Wales

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.



Services
33,155
20,196
17,112
4,227
2,953
1,292
700
262
79,905

Lowest rate areas Of the 10 lowest SA3 rates nationally, **none** were in New South Wales.

Variation in New South Wales

In New South Wales, the lowest rate for myocardial perfusion scans was in **Snowy Mountains** (144 MBS services per 100,000 people) and the highest rate was in **Dubbo** (1,652 MBS services per 100,000 people).

Highest rate areas Of the 10 highest SA3 rates nationally, six areas were in New South Wales.

SA3 area	Rate	Services
Dubbo	1,652	1,102
Kiama - Shellharbour	1,246	1,119
Fairfield	1,190	1,859
Bourke - Cobar - Coonamble	1,145	265
Dapto - Port Kembla	1,104	822
Shoalhaven	1,071	1,392

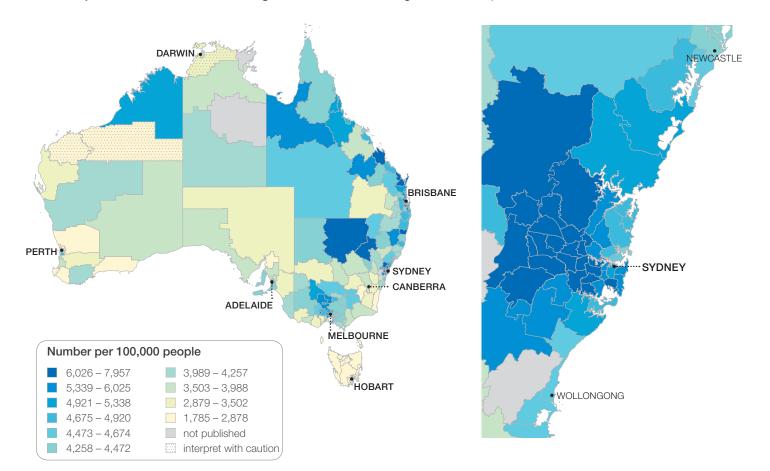
Standard echocardiography

18 years and over

New South Wales

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	SA3 rate	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
A	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 New South Wales

In New South Wales, the lowest rate for standard echocardiography was in **South Coast** (2,628 MBS services per 100,000 people) and the highest rate was in **Blacktown - North** (7,957 MBS services per 100,000 people).

Lowest rate areas Of the 10 lowest SA3 rates nationally, **none** were in New South Wales.

Highest rate areas Of the 10 highest SA3 rates nationally, nine areas were in New South Wales.				
SA3 area	Rate	Services		
Blacktown - North	7,957	4,079		
Dubbo	7,626	5,083		
St Marys	7,625	2,855		
Blacktown	7,426	7,566		
Fairfield	7,277	11,282		
Penrith	7,269	7,265		
Merrylands - Guildford	7,268	8,241		
Mount Druitt	6,999	5,136		
Rouse Hill - McGraths Hill	6,976	1,450		