



COVID-19 Weekly Surveillance Report

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Summary for the week 16 May to 22 May 2022 (inclusive)

In the week of 16 May to 22 May 2022 there were:

- 99,724 COVID-19 cases reported (0.5% increase compared to previous week)
 - 35,483 with positive polymerase chain reaction (PCR) tests (0.6% increase)
 - 64,241 with positive rapid antigen tests (RAT) (0.4% increase)
 - 98,038 locally-acquired, 1353 interstate acquired, 333 overseas acquired
- 297 hospital admissions (28% increase) and 8 transfers into an intensive care unit (20% decrease)
- 29 deaths reported (16% increase), aged between 44 to 98 years old
- 118,595 COVID-19 PCR tests conducted (4% decrease).

Surveillance summary

There were 118,595 PCR tests conducted in the current reporting week (week ending 22 May 2022), a 4% decrease compared to the previous reporting week, with test positivity proportion remaining high over the course of the week with a 7-day average of 30.7%.

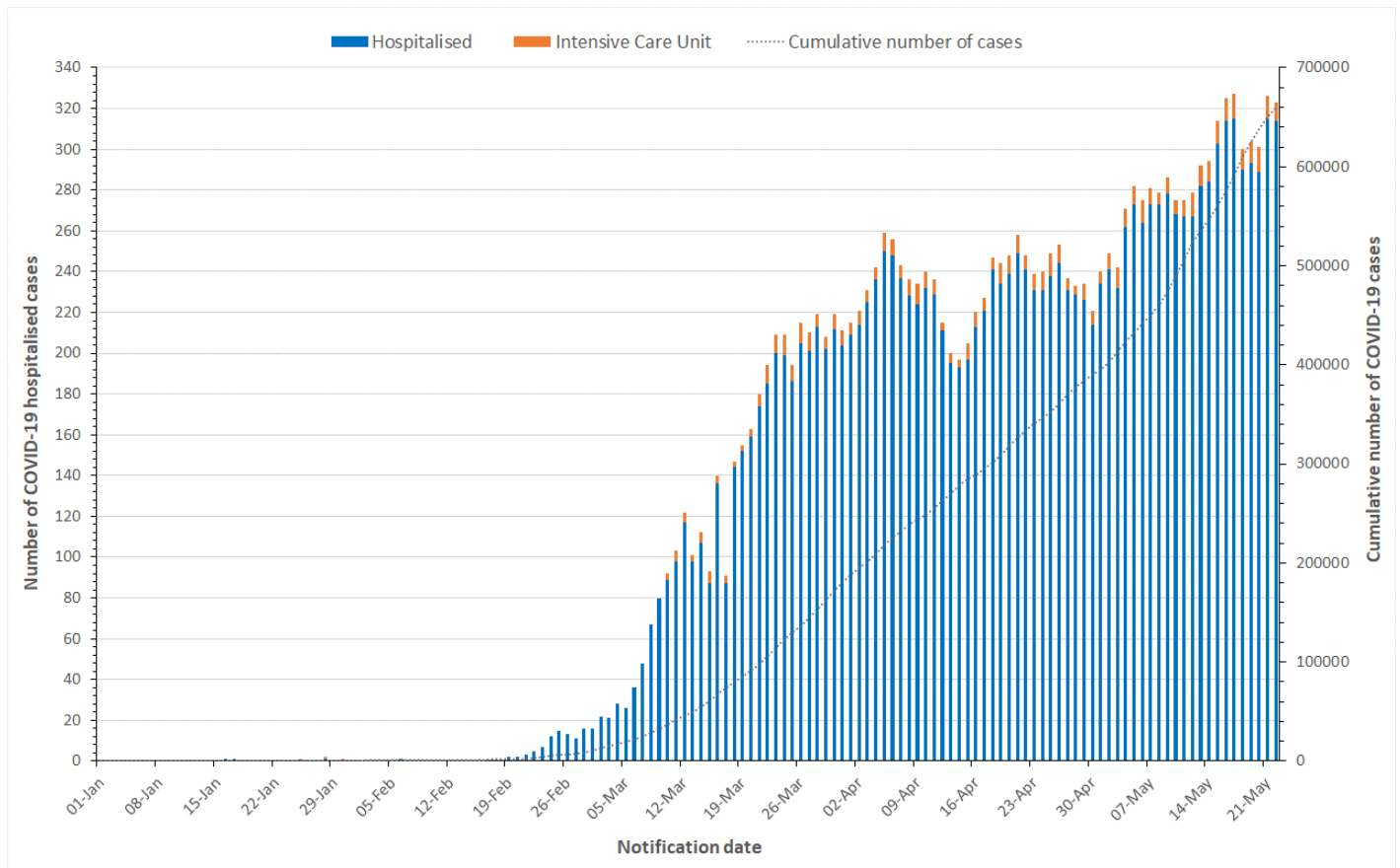
Overall, case numbers increased by 0.5% compared to the previous week, compared to the 52% week-on-week increase observed during the previous 7-day period. There was an increase in cases diagnosed by PCR test and RAT of 0.6% and 0.4%, respectively. The small increase in cases over the last week and high proportion of positive PCR tests indicates the case load in the community is at a sustained high level.

Case rates per 100,000 population for all public health regions, with the exception of the Pilbara, are beginning to decrease, with the South West and Great Southern regions having the highest rates. Rates in the Perth metropolitan area are tracking approximately 7% higher than in Western Australia Country Health Service (WACHS) areas combined. Younger age groups less than 40 years old continue to represent the highest proportion of cases reported, although a decreasing trend is appearing within the 0-19 age group alongside a stabilisation in case rates in all other remaining age groups. The rate of cases per 100,000 population in WA has appeared to stabilise but still remains higher than all other Australian jurisdictions.

There were 3,681 cases and 1 death in the Aboriginal population during the reporting period, a 5% increase in cases compared to the previous report week. Cases in the Aboriginal population are now being reported at a lower rate compared to the non-Aboriginal population, with the rate ratio sitting at 0.91 in the past week.

Hospitalisations, ICU admissions and deaths

Figure 1. Number of COVID-19 cases admitted to hospital and intensive care unit transfers, and cumulative number of COVID-19 cases, by notification date, 01 January to 22 May 2022.



Notes
Data sourced from Western Australia Department of Health dataset
Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm
'Hospitalised' relates to active and cleared COVID-19 cases that are current hospital inpatients. The reason for admission may be unrelated to COVID-19 for some people
'Intensive care unit' (ICU) is a subset of hospitalised and relates to active/cleared COVID-19 cases that are currently in an ICU.

Table 1. Number of COVID-19 related deaths reported by vaccination status and age group, 16 May to 22 May 2022.

	Week 16 May to 22 May 2022	01 Jan 2022 – 22 May 2022
Number of COVID-19 vaccine doses	Deaths n=29	Deaths n=207
0	5 (17.2%)	51 (24.6%)
1	1 (3.5%)	18 (8.7%)
2	7 (24.1%)	41 (19.8%)
3+	16 (55.2%)	97 (46.9%)
Age group (years)		
0-9	0 (0%)	0 (0%)
10-19	0 (0%)	2 (1.0%)
20-29	0 (0%)	1 (0.5%)
30-39	0 (0%)	3 (1.5%)
40-49	1 (3.4%)	5 (2.4%)
50-59	1 (3.4%)	16 (7.7%)
60-69	1 (3.4%)	19 (9.2%)
70-79	4 (13.9%)	32 (15.5%)
80-89	9 (31.1%)	75 (36.1%)
90+	13 (44.8%)	54 (26.1%)

Notes

Data sourced from Western Australia Department of Health dataset

Number of vaccination doses sourced from Australian Immunisation Register. Vaccination data are available for WA residents only, therefore, the number of unvaccinated individuals (0 doses) may be overestimated

Hospitalisation and intensive care unit breakdown available in bi-weekly WA COVID-19 data update. Link [here](#).

Deaths are counted by notification date and may include historical deaths that occurred (i.e. date of death) prior to the current report week

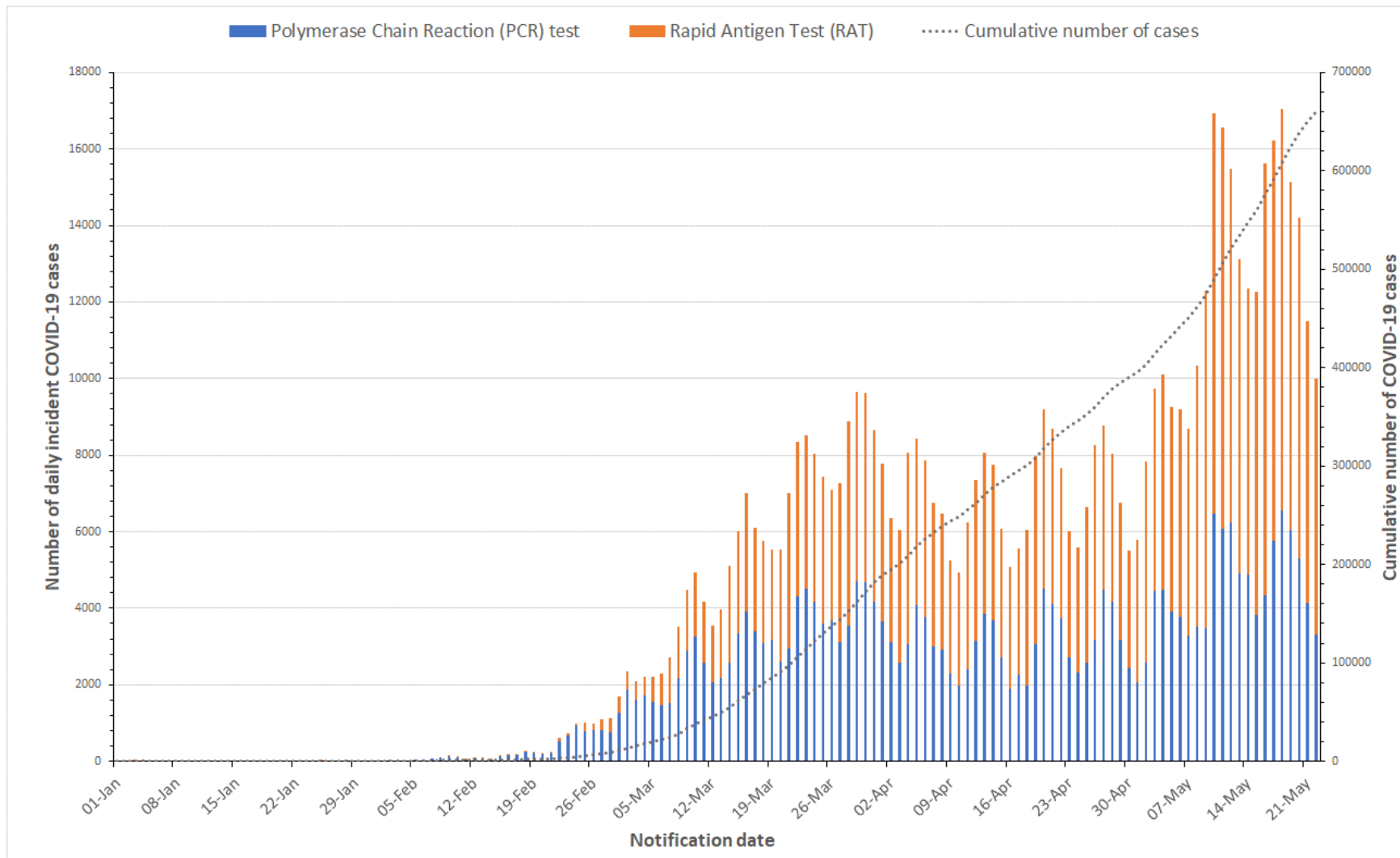
Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm

Deaths are not necessarily associated with hospital and/or ICU admissions

Two previous deaths were reclassified as not being COVID-related in the most recent report week.

Case data

Figure 2. COVID-19 cases by notification date and test type, Western Australia, 01 January to 22 May 2022.

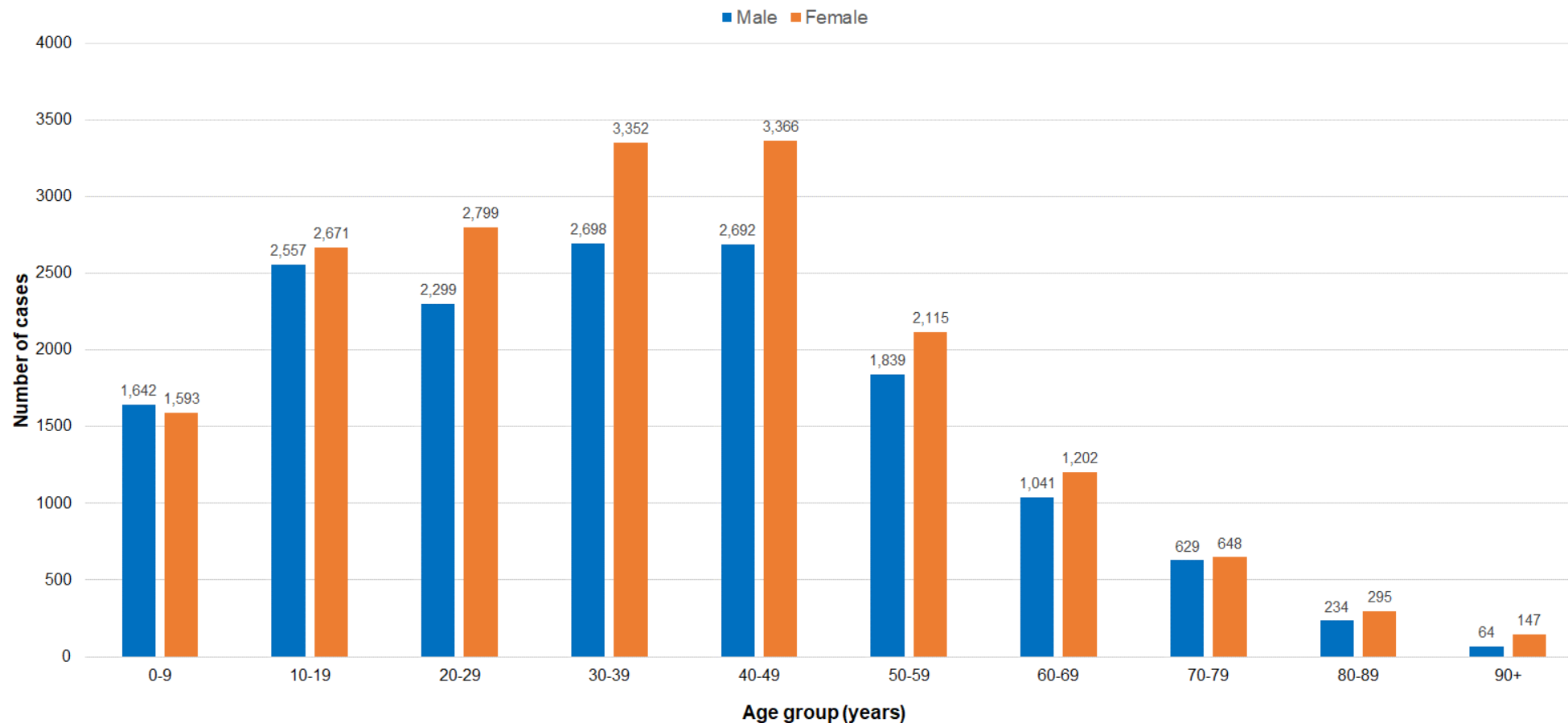


Notes

Data sourced from Western Australia Department of Health dataset

Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm.

Figure 3. COVID-19 cases by age group and sex, Western Australia, 16 May to 22 May 2022.



Notes

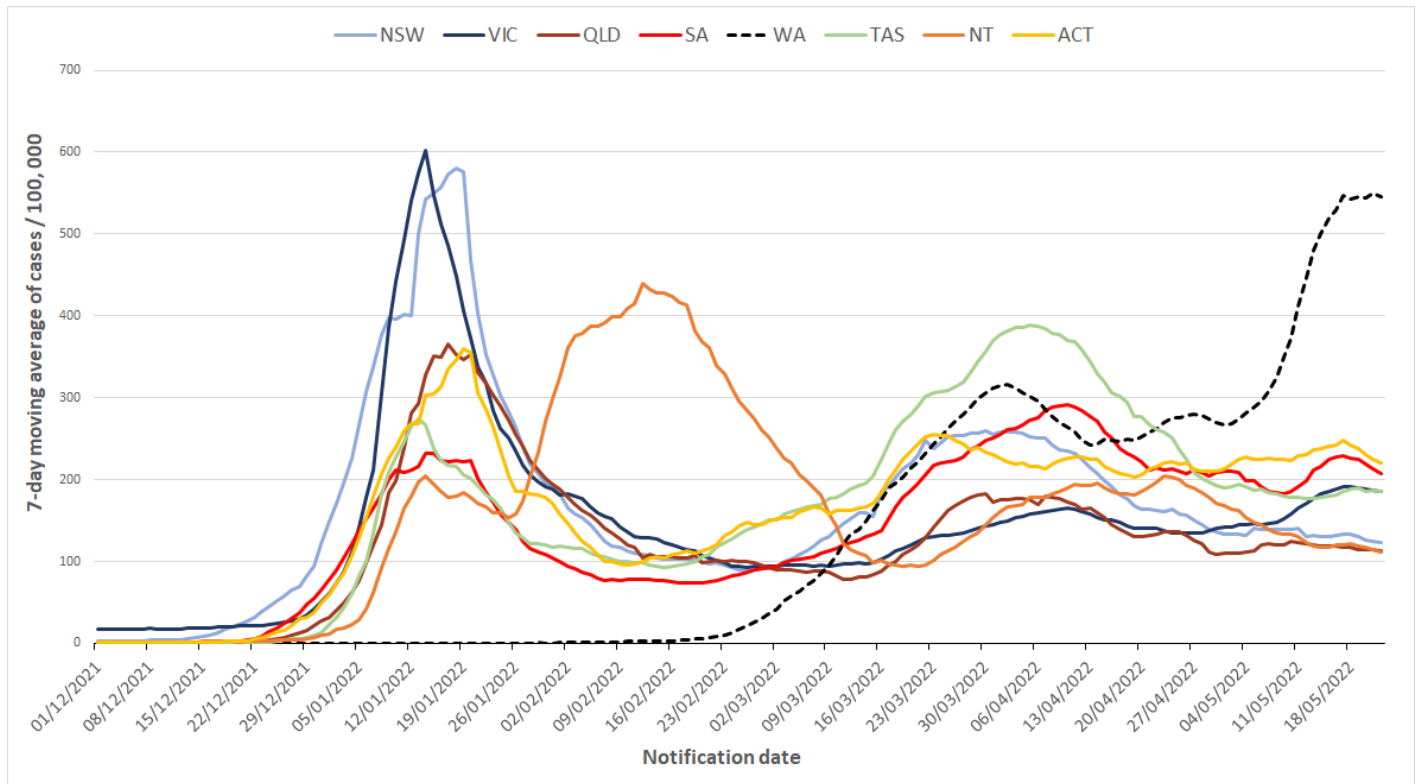
Data sourced from Western Australia Department of Health dataset

Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm

Gender data is partially incomplete due to the unavailability of this variable during rapid antigen test registration, resulting in a discrepancy to total case numbers reported for the week.

- Males: n=15,695 (46.3%). Females: n=18,188 (53.7%)
- Median age = 33 years; range: 0 to 105 years

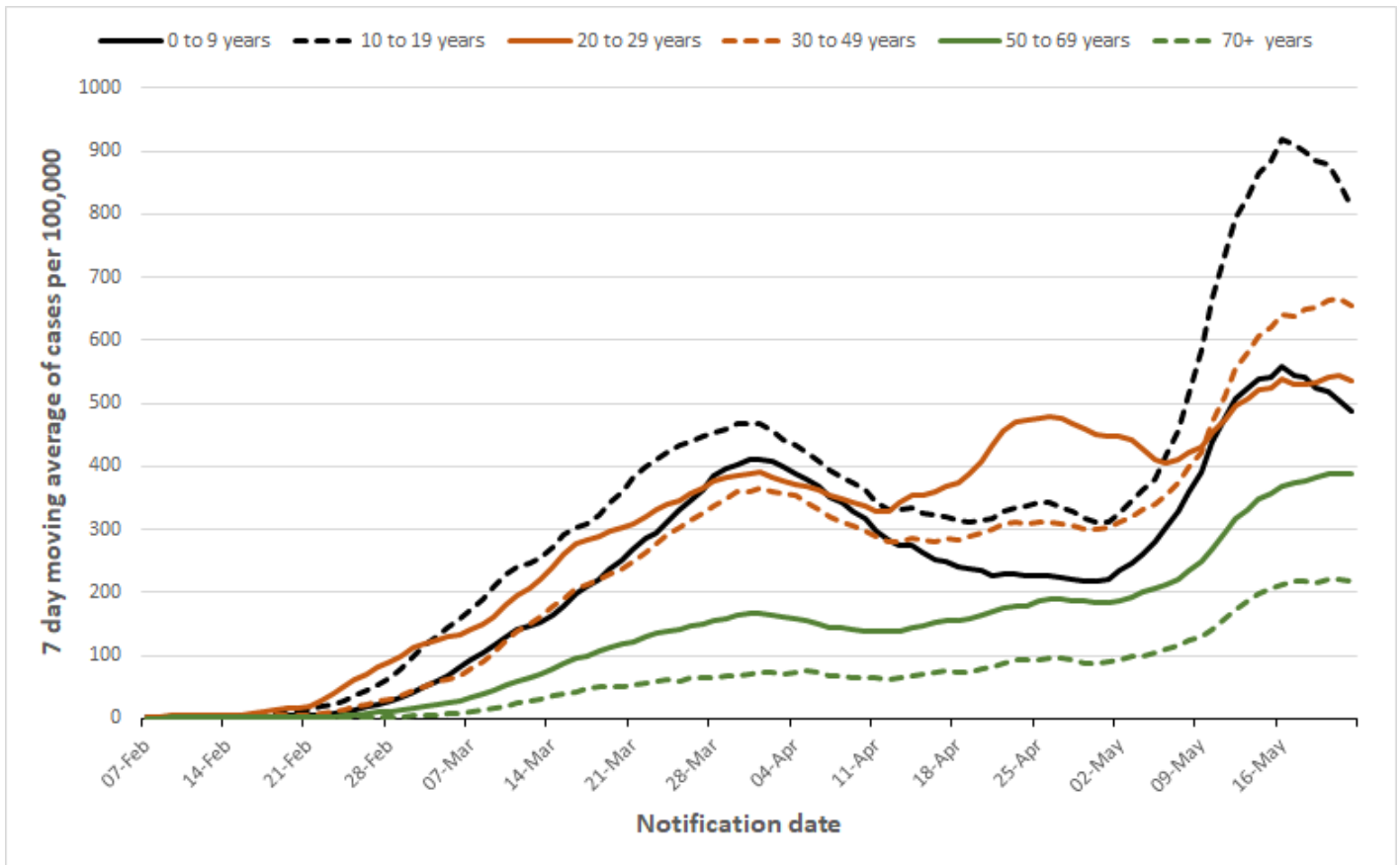
Figure 4. 7-day moving average of COVID-19 cases per 100,000 people, by Australian jurisdiction, 01 December 2021 to 22 May 2022.



Notes

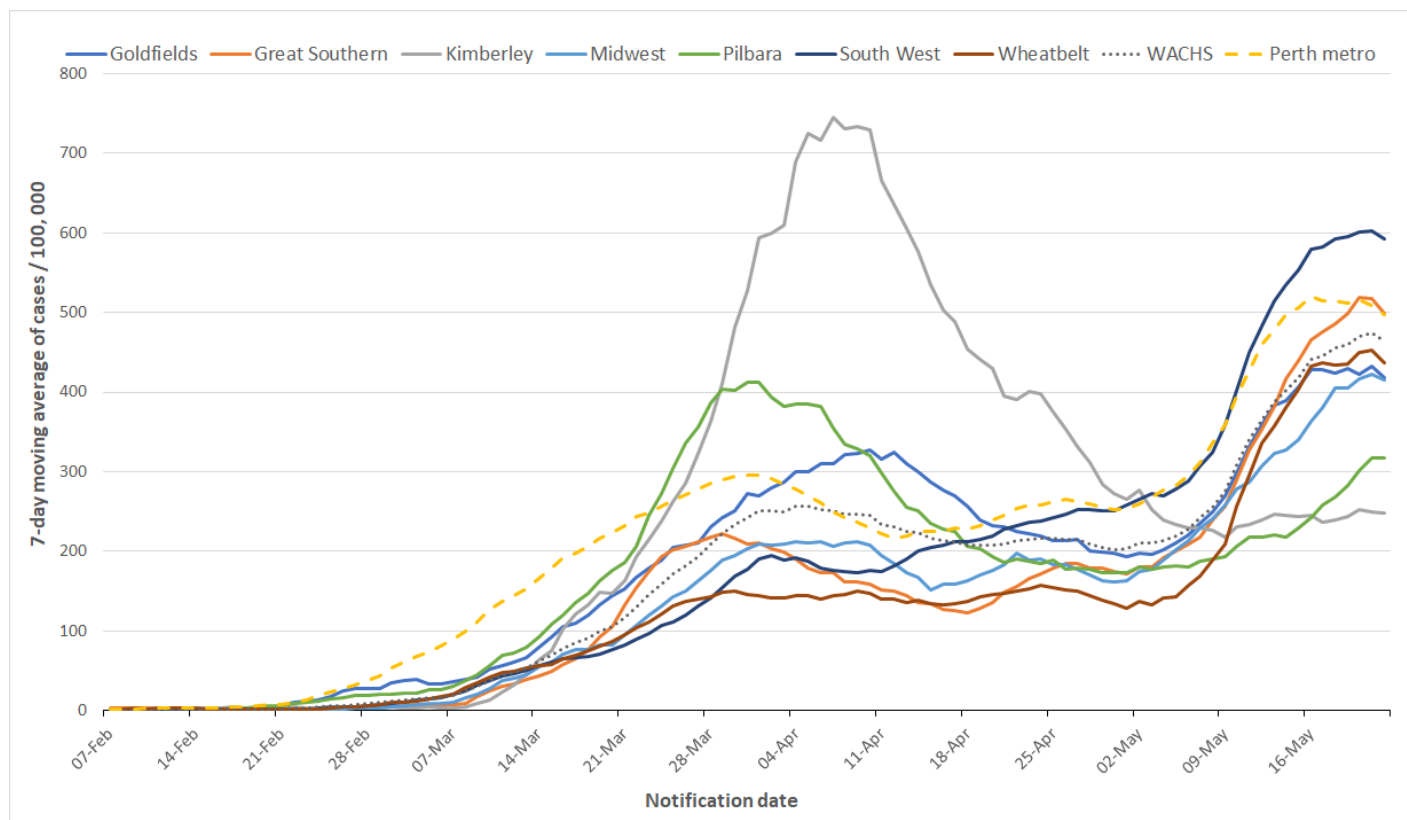
Data sourced from the respective jurisdictional health department datasets
 Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm
 Population denominator is sourced from Australian Bureau of Statistics June 2021 estimates.

Figure 5. 7-day moving average of COVID-19 cases per 100,000 by age group, Western Australia, 07 February to 22 May 2022.



Notes
 Data sourced from Western Australia Department of Health dataset
 Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm
 Cases include all cases whose source of infection is classified as 'locally-acquired', 'interstate-acquired', 'overseas-acquired' and 'source under investigation'
 Case data includes those determined by both polymerase chain reaction (PCR) tests and rapid antigen tests (RAT)
 Population denominator sourced from Australian Bureau of Statistics June 2019 estimates.

Figure 6. 7-day moving average of COVID-19 cases per 100,000 people, by public health region, Western Australia, 07 February 2022 to 22 May 2022.



Notes

Data sourced from Western Australia Department of Health dataset
 Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm
 Cases include all cases whose source of infection is classified as 'locally-acquired', 'interstate-acquired', 'overseas-acquired' and 'source under investigation'
 Case data is by place of usual residence for positive case (due to unavailability of data for specific location of acquisition)
 Case data includes those determined by both polymerase chain reaction (PCR) tests and rapid antigen tests (RAT)
 Western Australia Country Health Service (WACHS) includes Goldfields, Great Southern, Kimberley, Midwest, Pilbara, South West and Wheatbelt public health regions combined
 Perth metro includes East Metropolitan Health Service, North Metropolitan Health Service and South Metropolitan Health Service combined
 Population denominator sourced from Australian Bureau of Statistics June 2019 estimates.

Table 2. Number of COVID-19 cases and case rates per 100,000 population, by region, 16 May to 22 May 2022 and 09 May to 15 May 2022.

	Region	Week 16 May to 22 May 2022		Week 09 May to 15 May 2022	
		Number for current week	Rates for current week (cases/100,000 pop)	Number for previous week	Rates for previous week (cases/100,000 pop)
WACHS Regions	Goldfields	1791	2928	1746	2855
	Great Southern	2228	3495	1967	3085
	Kimberley	707	1740	702	1728
	Midwest	2069	2904	1704	2392
	Pilbara	1562	2220	1136	1615
	South West	8118	4144	7612	3885
	Wheatbelt	2436	3062	2252	2831
WACHS total*		18,911	3246	17,119	2938
Other**		916	-	798	-
Metropolitan		79,897	3485	81,333	3547
Total		99,724	3468	99,250	3452

Notes

Data sourced from Western Australia Department of Health dataset

Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm

Cases include all cases whose source of infection is classified as 'locally-acquired', 'interstate-acquired', 'overseas-acquired' and 'source under investigation'

Case data is by place of usual residence for positive case (due to unavailability of data for specific location of acquisition)

Case data includes those determined by both polymerase chain reaction (PCR) tests and rapid antigen tests (RAT)

*Western Australia Country Health Service (WACHS) includes Goldfields, Great Southern, Kimberley, Midwest, Pilbara, South West and Wheatbelt public health regions combined

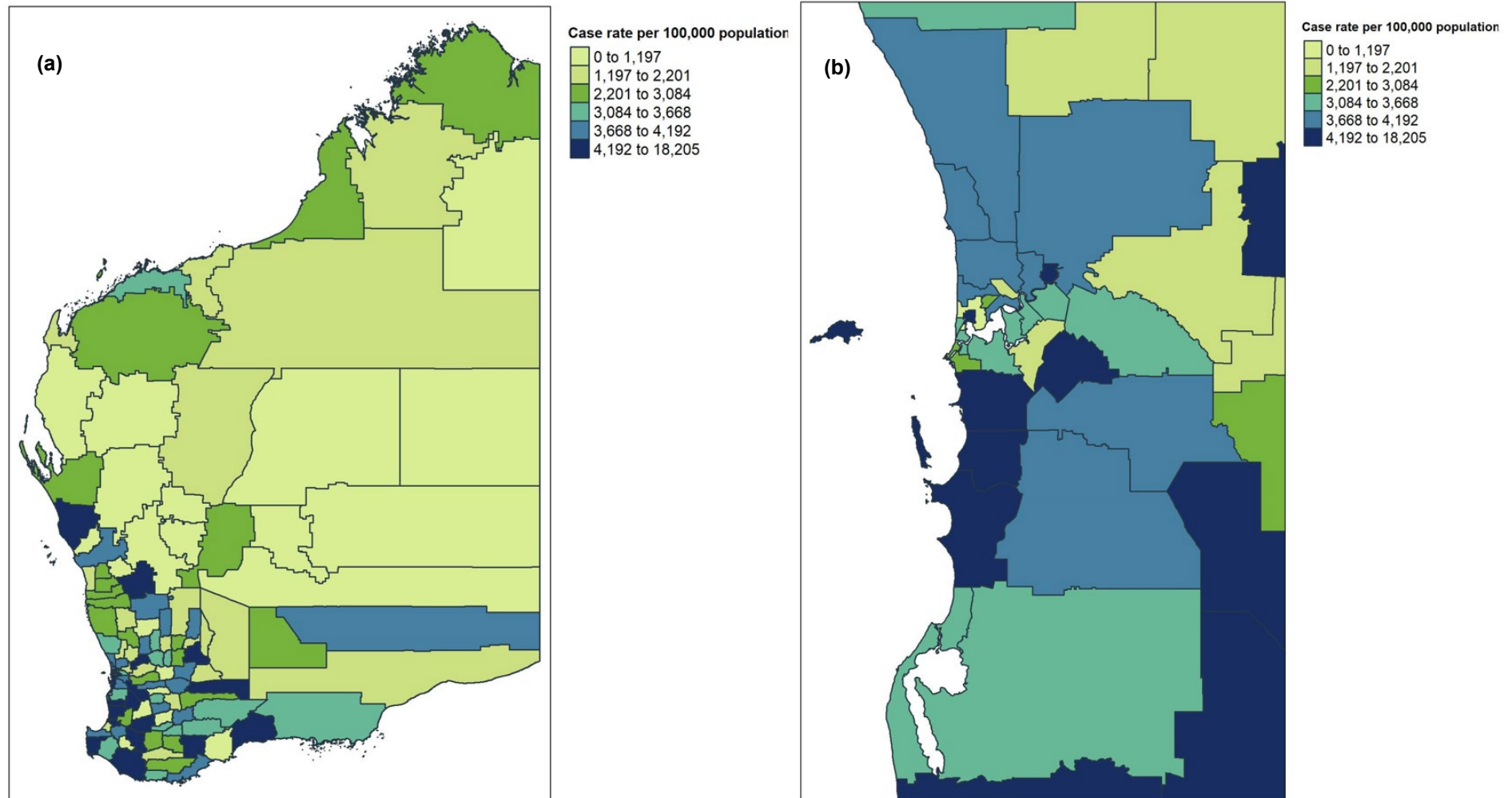
Total excludes WACHS*

Metropolitan includes East Metropolitan Health Service, North Metropolitan Health Service and South Metropolitan Health Service combined

**Other includes overseas and interstate residential addresses, and cases whom had no residential data available

Population denominator is sourced from Australian Bureau of Statistics 2019 estimates.

Figure 7 (a). Locally-acquired COVID-19 case rates per 100,000 population by LGA, regional Western Australia, 16 May to 22 May 2022. (b) Locally-acquired COVID-19 case rates per 100,000 population by LGA, Perth metropolitan area, 16 May to 22 May 2022.

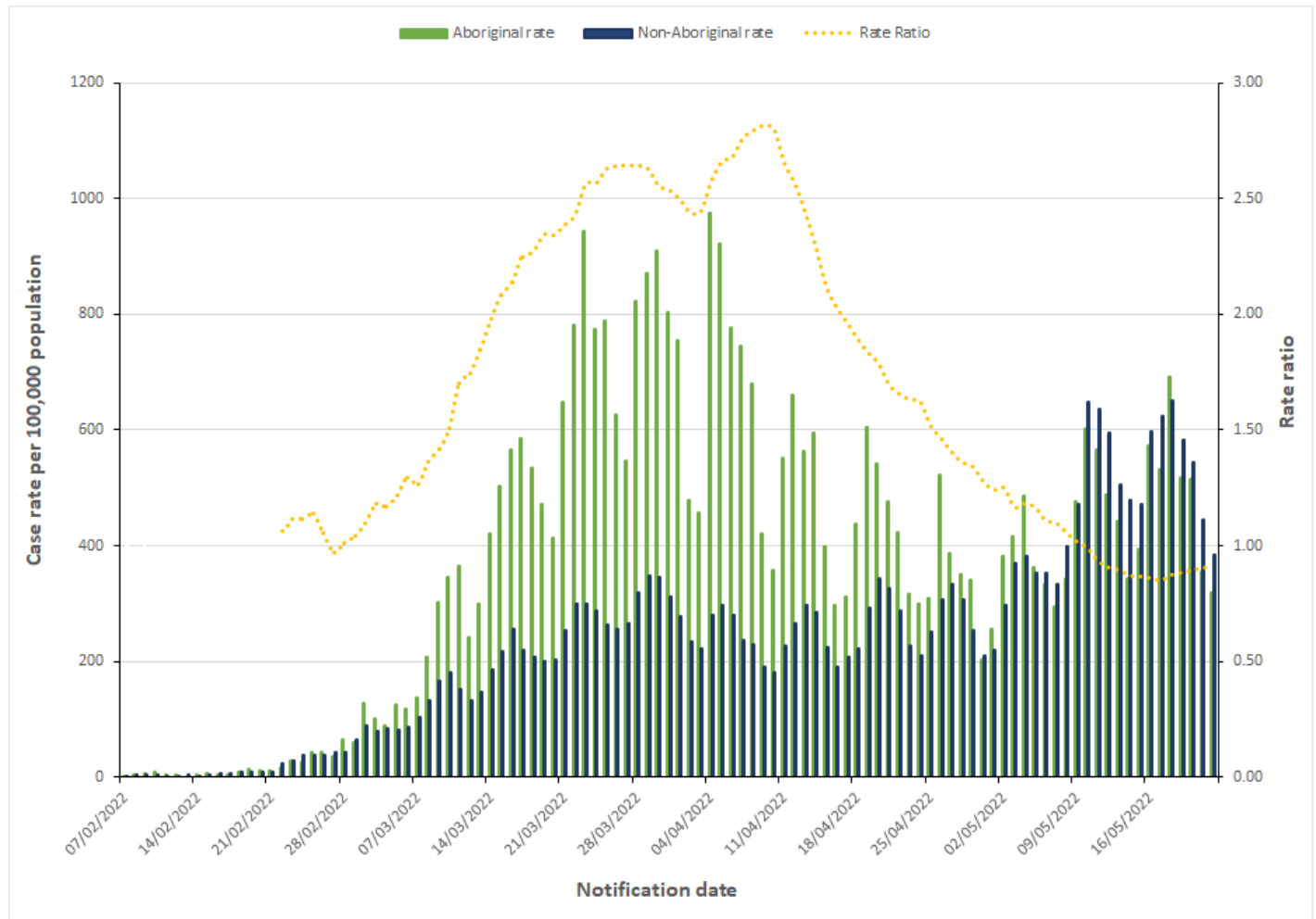


Notes

Data sourced from Western Australia Department of Health dataset
 Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm
 'Locally-acquired' cases include all cases whose source of infection is classified as 'locally-acquired' and 'source under investigation' only (excludes interstate and overseas-acquired cases)
 Case data is represented on the map by place of usual residence for positive case (due to unavailability of data for specific location of acquisition)
 Case data includes those determined by both polymerase chain reaction (PCR) tests and rapid antigen tests (RAT)
 Areas on the map are defined by Local Government Area (LGA) boundaries
 Population denominator is sourced from Australian Bureau of Statistics 2019 estimates.

Aboriginal case summary

Figure 8. COVID-19 cases in Western Australia per 100,000 population, and rate ratio, by Indigenous status and notification date, 07 February to 22 May 2022.



Notes

Data sourced from Western Australia Department of Health dataset

Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm

Indigenous status is defined as those who identify as 'Aboriginal and Torres Strait Islander origin'/'Aboriginal but not TSI origin'/'TSI but not Aboriginal origin'

Cases where Indigenous status was not stated were designated as non-Indigenous

Cases include those determined by both polymerase chain reaction (PCR) tests and rapid antigen tests (RAT)

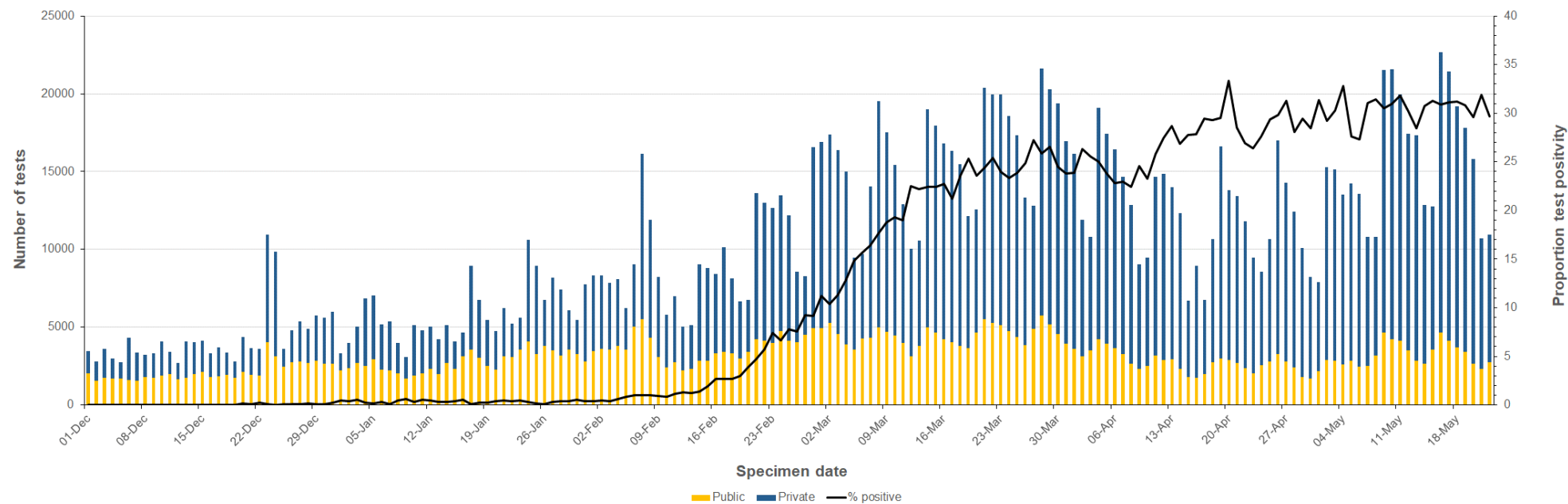
Population denominator is sourced from Australian Bureau of Statistics 2019 estimates

Rate ratio is calculated as Indigenous rate/Non-Indigenous rate, with a 7-day average of the respective rate ratios applied to smooth the trend

Rate ratio is only plotted from 22nd February 2022 onwards due to there being too few case numbers prior to this date.

Testing data

Figure 9. The number of COVID-19 polymerase chain reaction tests and proportion positive by laboratory category and specimen date, 01 December 2021 to 22 May 2022.



Notes

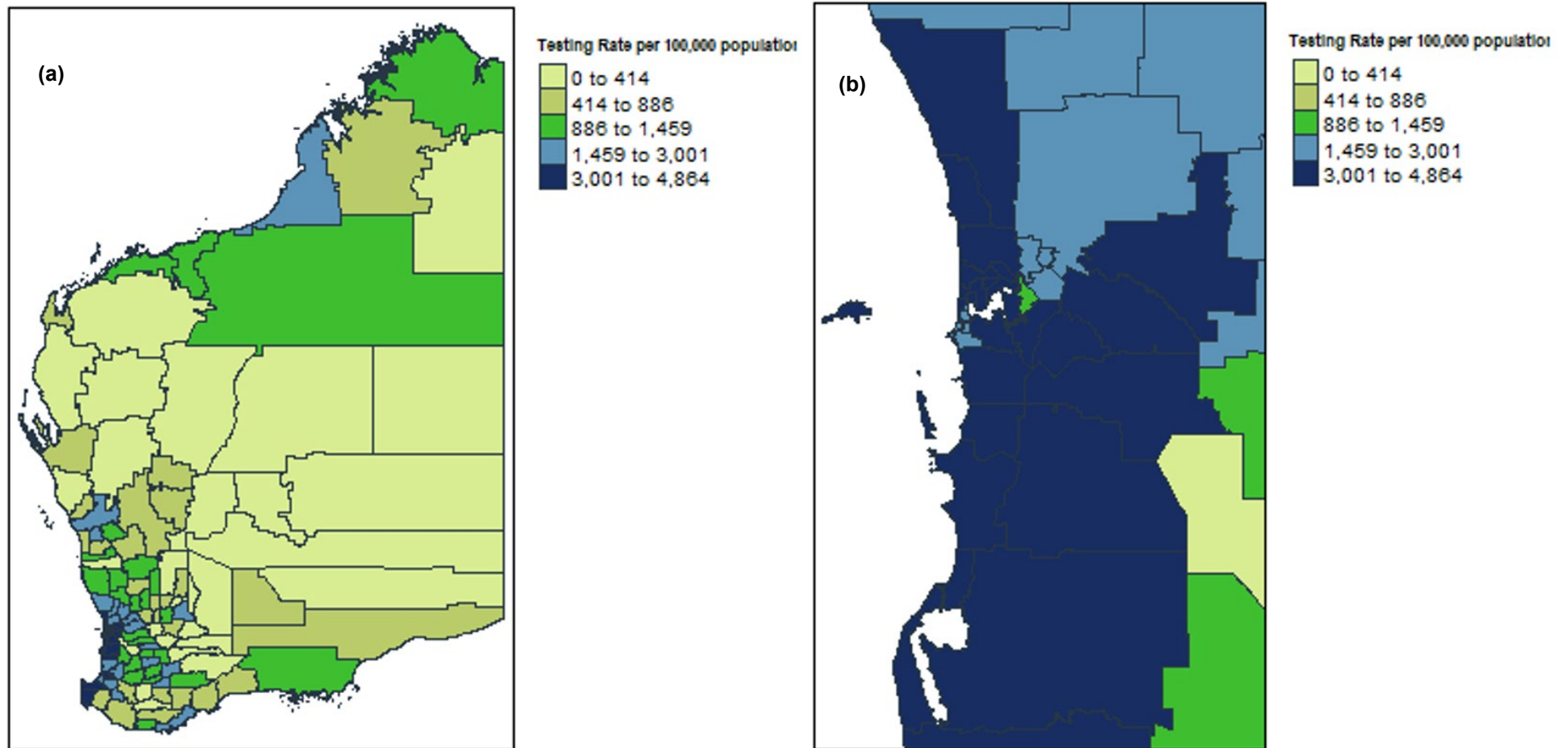
Data sourced from Western Australian public and private pathology laboratories
Specimen date refers to the date that specimen was collected
Number of tests includes both positive and negative tests.

Table 3. Number of COVID-19 polymerase chain reaction tests and testing rates, by region, Western Australia, 16 May to 22 May 2022 and 09 May to 15 May 2022.

	Region	Week 16 May to 22 May 2022		Week 09 May to 15 May 2022	
		Number for current week	Rates for current week (tests/100,000 pop)	Number for previous week	Rates for previous week (tests/100,000 pop)
WACHS Regions	Goldfields	692	1131	598	978
	Great Southern	1409	2210	1220	1914
	Kimberley	518	1275	500	1231
	Midwest	989	1388	885	1242
	Pilbara	814	1157	760	1080
	South West	6878	3511	7120	3634
	Wheatbelt	1360	1710	1256	1579
WACHS total *		12,660	2173	12,339	2118
Other**		748	-	859	-
Metropolitan		105,187	4588	110,888	4836
Total		118,595	4124	124,086	4315

Notes
 Data sourced from Western Australian public and private pathology laboratories
 Number of tests includes both positive and negative tests
 Region of residential address for person tested
 *Western Australia Country Health Service (WACHS) includes Goldfields, Great Southern, Kimberley, Midwest, Pilbara, South West and Wheatbelt public health regions
 Total excludes WACHS*
 **Other includes overseas and interstate residential addresses
 Population denominator is sourced from Australian Bureau of Statistics 2019 estimates.

Figure 10 (a). Polymerase chain reaction testing rates per 100,000 population by LGA, regional Western Australia, 16 May to 22 May 2022. (b) Polymerase chain reaction testing rates per 100,000 population by LGA, Perth metropolitan area, 16 May to 22 May 2022.



Notes

Data sourced from Western Australian pathology laboratories and includes both positive and negative tests
 RAT testing numbers could not be included due to the department only receiving positive RAT tests
 Population denominator is sourced from Australian Bureau of Statistics 2019 estimates
 Testing data is represented on the map by place of usual residence for person tested (due to unavailability of data for place of test)
 Areas on the map are defined by Local Government Area (LGA) boundaries.

Appendix 1

Regional cases by postcode, 16 May – 22 May 2022

WACHS Regions	Postcode	Week 16 May to 22 May 2022	WACHS Regions	Postcode	Week 16 May to 22 May 2022	WACHS Regions	Postcode	Week 16 May to 22 May 2022	
Goldfields	6346	9	Great Southern (continued)	6348	32	Midwest (continued)	6701	53	
	6429	20		6394	<5		6705	<5	
	6430	927		6395	48		6707	53	
	6431	<5		6396	6	Pilbara	6710	20	
	6432	215	Kimberley	6725	315		6713	73	
	6434	<5		6726	71		6714	611	
	6436	<5		6728	101		6716	5	
	6437	12		6740	13		6718	8	
	6438	6		6743	172		6720	40	
	6440	<5		6765	25		6721	86	
	6442	77		6770	10		6722	200	
	6443	10		Midwest	6514		13	6751	199
	6445	<5			6515		6	6753	180
	6446	<5			6517		10	6754	116
	6448	8	6518		5		6762	24	
	6450	495	6519		15		South West	6218	22
	6452	<5	6522		13			6219	8
	Great Southern	6316	11	6525	79	6220		179	
		6317	146	6528	<5	6221		5	
		6318	17	6530	1443	6223		10	
6320		13	6532	249	6224	57			
6321		13	6535	20	6225	270			
6322		<5	6536	9	6226	48			
6323		35	6537	30	6227	40			
6324		96	6616	<5	6228	8			
6326		12	6620	<5	6229	7			
6327		10	6623	26	6230	2095			
6328		7	6625	<5	6232	565			
6330		1403	6630	10	6233	985			
6333		214	6631	<5	6236	124			
6335		34	6632	<5	6237	157			
6336		10	6635	<5	6239	203			
6337		48	6638	<5	6240	6			
6338		47	6639	<5	6244	48			
6341		15	6640	<5	6251	14			
6343		<5	6642	17	6252	<5			

WACHS Regions	Postcode	Week 16 May to 22 May 2022	WACHS Regions	Postcode	Week 16 May to 22 May 2022	WACHS Regions	Postcode	Week 16 May to 22 May 2022	
South West (continued)	6253	18	Wheatbelt (continued)	6363	7	Wheatbelt (continued)	6472	<5	
	6254	19		6365	14		6475	15	
	6255	218		6367	10		6477	6	
	6256	12		6368	<5		6479	20	
	6258	376		6369	12		6480	<5	
	6260	67		6370	8		6485	9	
	6262	15		6375	42		6488	9	
	6271	123		6383	10		6490	<5	
	6275	50		6385	<5		6501	42	
	6280	1138		6386	7		6502	52	
	6281	387		6390	62		6503	120	
	6282	68		6391	72		6505	10	
	6284	125		6392	25		6506	<5	
	6285	489		6393	5		6507	16	
	6286	44		6401	369		6509	<5	
	6288	38		6403	<5		6510	42	
	6290	66		6405	17		6511	10	
	6398	9		6407	35		6512	<5	
	Wheatbelt	6041		53	6409		14	6513	5
		6042		5	6410		23	6516	43
6043		<5	6411	11	6521	12			
6044		14	6413	<5	6560	53			
6302		77	6414	5	6562	42			
6304		49	6415	144	6564	12			
6306		36	6418	26	6566	75			
6308		39	6421	<5	6567	5			
6309		6	6422	<5	6568	7			
6311		24	6423	5	6569	12			
6312		188	6424	<5	6571	<5			
6313		6	6425	<5	6572	<5			
6315		113	6426	17	6575	7			
6350		19	6427	<5	6603	17			
6351		<5	6428	<5	6605	<5			
6352		<5	6460	20	6606	<5			
6353		27	6461	22	6608	5			
6355		14	6462	<5	6609	46			
6358		<5	6463	<5	6612	<5			
6359		27	6467	<5					
6361	<5	6468	<5						

Notes

Data sourced from Western Australia Department of Health dataset

Exact number of cases less than 5 not reported for confidentiality

Notification date refers to data collected up to the end of the 24-hour reporting period 8pm to 8pm

Cases include all cases whose source of infection is classified as 'locally-acquired', 'interstate-acquired', 'overseas-acquired' and 'source under investigation'

Case data is based on the residential postcode of each case. The case may have an isolation address based in another regional postcode.

Case data includes those determined by both polymerase chain reaction (PCR) tests and rapid antigen tests (RAT)

*Western Australia Country Health Service (WACHS) includes Goldfields, Great Southern, Kimberley, Midwest, Pilbara, South West and Wheatbelt public health regions

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