



COVID-19 Weekly Surveillance Report

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Summary for the week 25 April to 01 May 2022 (inclusive)

In the week of 25 April to 01 May 2022 there were:

- 49,918 COVID-19 cases reported (3% decrease compared to previous week)
 - 21,625 with positive polymerase chain reaction (PCR) tests (1% decrease)
 - 28,293 with positive rapid antigen tests (RAT) (4% decrease)
 - 47,921 locally-acquired, 1,665 interstate acquired, 332 overseas acquired
- 181 hospital admissions (3% decrease) and 7 transfers into an intensive care unit (0% change)
- 31 deaths reported (158% increase), aged between 47 to 102 years old
- 80,723 COVID-19 PCR tests conducted (4% decrease).

Surveillance summary

There were 80,723 PCR tests conducted in the current reporting week (week ending 01 May 2022), a 4% decrease compared to the previous reporting week, with test positivity proportion remaining high over the course of the week and hitting a new record 7-day average peak of 29.5%.

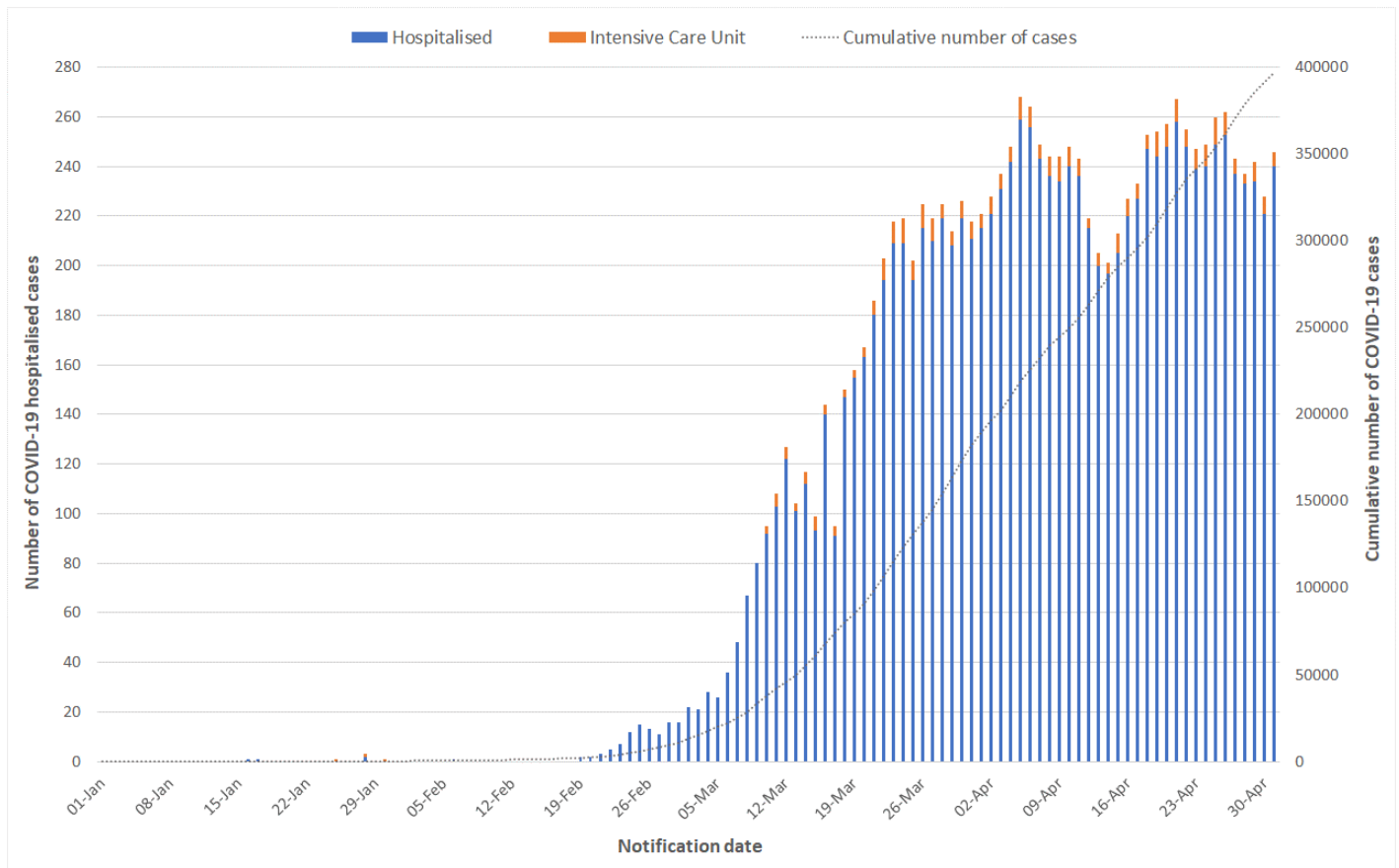
Overall, case numbers decreased by 3% compared to the previous week, another change in direction compared to the 11% week-on-week increase observed during the previous 7-day period. There was a decrease in cases diagnosed by PCR test and RAT of 1% and 4%, respectively. Together this represents a sustained high level of cases since last week and alongside the significant proportion of positive PCR tests, indicates a substantial case load continues to remain in the community.

The Kimberley case rate per 100,000 population in WA has continued to decline and is now similar to the South West region and the Perth metropolitan area, which remain the regions with the highest rates. Younger age groups less than 40 years old continue to represent the highest proportion of cases reported. The rate of cases per 100,000 population in WA remains higher than all other Australian jurisdictions.

There were 2,487 cases and 0 deaths in the Aboriginal population during the reporting period, a 24% decrease in cases compared to the previous report week. Although cases in the Aboriginal population continue to be reported at a greater rate compared to the non-Aboriginal population, there has been a further reduction in the rate ratio to 1.2 in the past week, likely reflecting the continued reduction of Aboriginal cases reported in regional areas, most particularly in the Kimberley and Pilbara regions.

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 01 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, 25 April to 01 May 2022.

	Week 25 April to 01 May 2022	01 Jan 2022 – 01 May 2022
Number of COVID-19 vaccine doses	Deaths n=31	Deaths n=139
0	8 (25.8%)	33 (23.7%)
1	3 (9.7%)	13 (9.4%)
2	3 (9.7%)	26 (18.7%)
3+	17 (54.8%)	67 (48.2%)
Age group (years)		
0-9	0 (0%)	0 (0%)
10-19	0 (0%)	2 (1.4%)
20-29	0 (0%)	1 (0.7%)
30-39	0 (0%)	3 (2.2%)
40-49	1 (3.2%)	6 (4.3%)
50-59	0 (0%)	12 (8.6%)
60-69	0 (0%)	14 (10.1%)
70-79	7 (22.6%)	23 (16.6%)
80-89	16 (51.6%)	54 (38.8%)
90+	7 (22.6%)	24 (17.3%)

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](#).

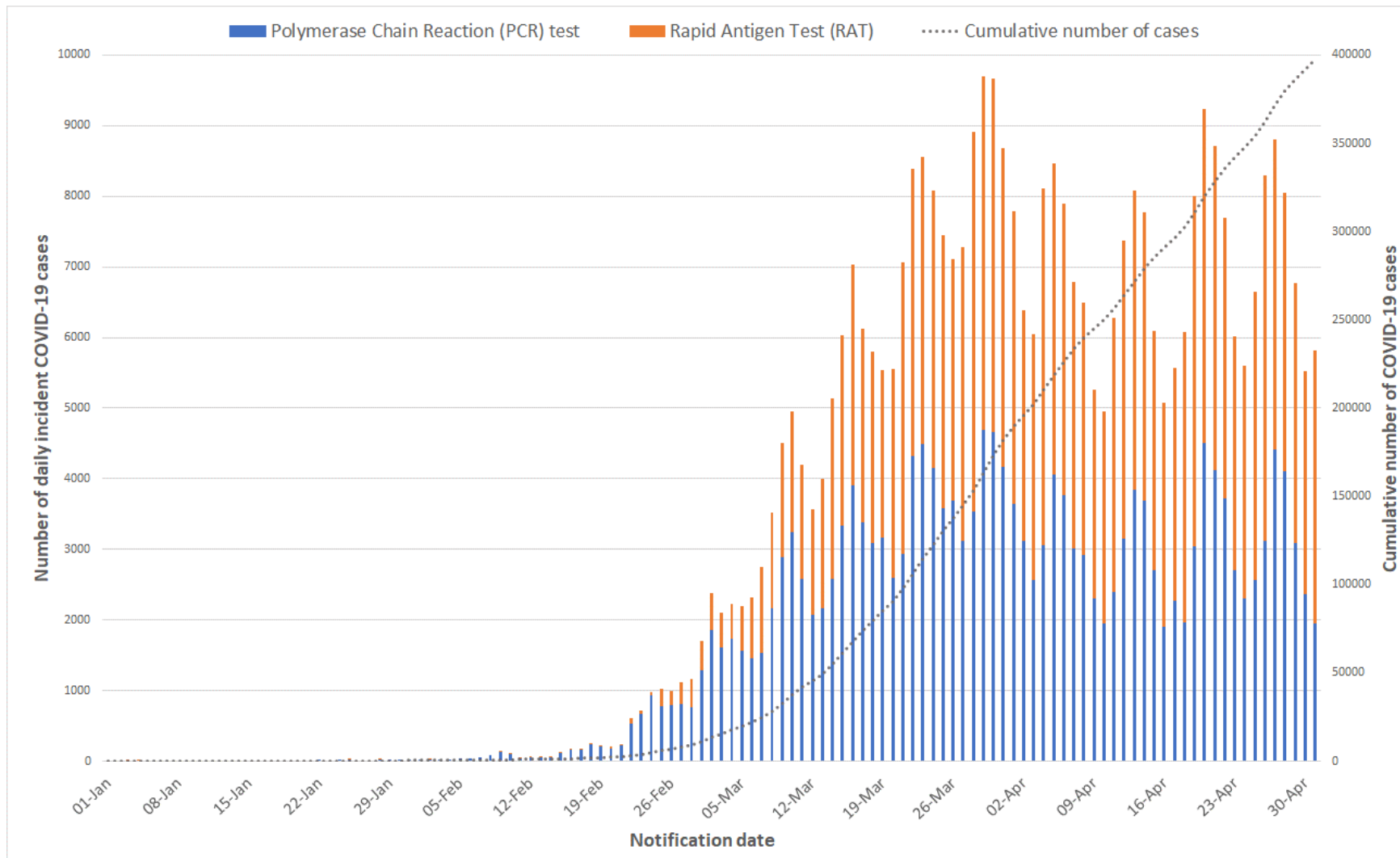
Deaths are counted by notification date and may include historical deaths that occurred (i.e. date of death) prior to the current report week

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.

Case data

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

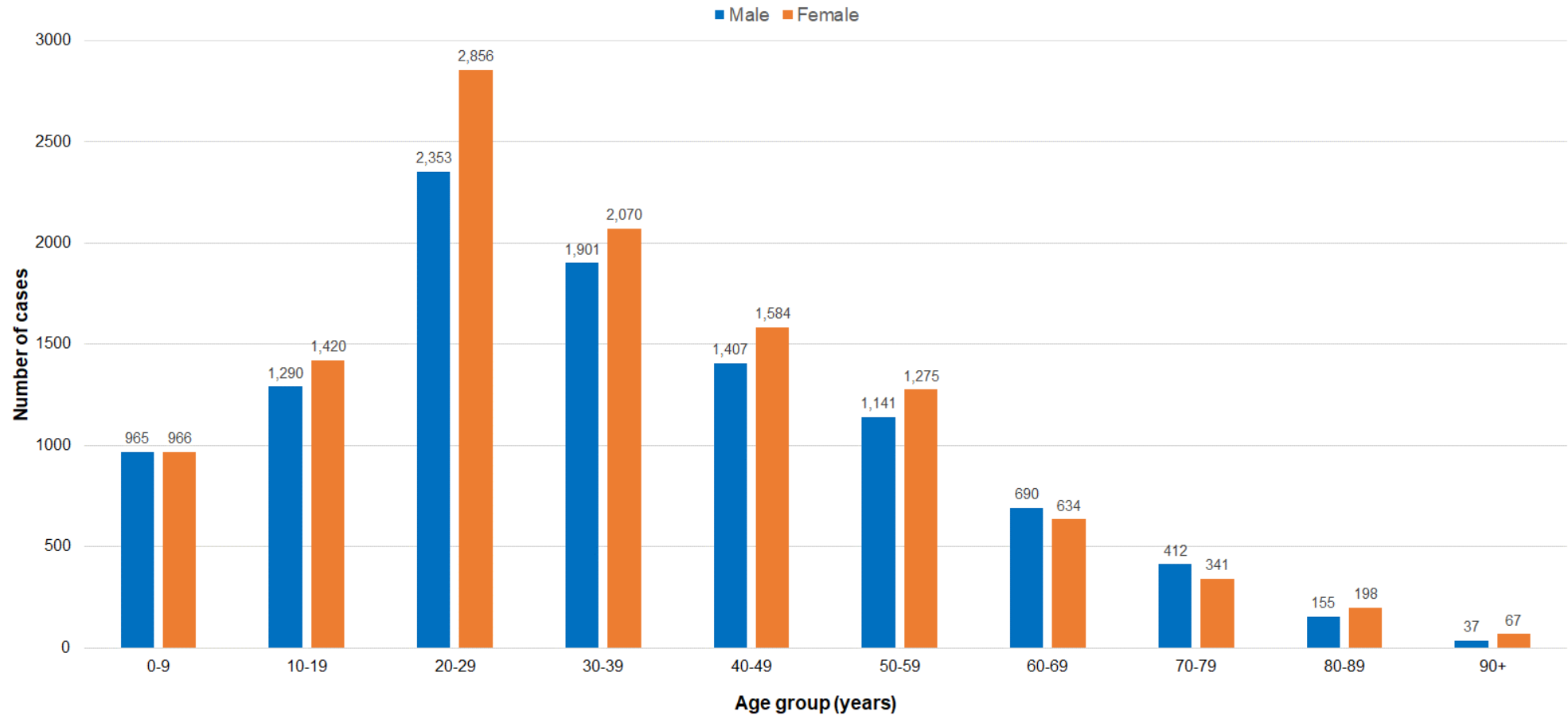


Notes

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, 25 April to 01 May 2022.



Notes

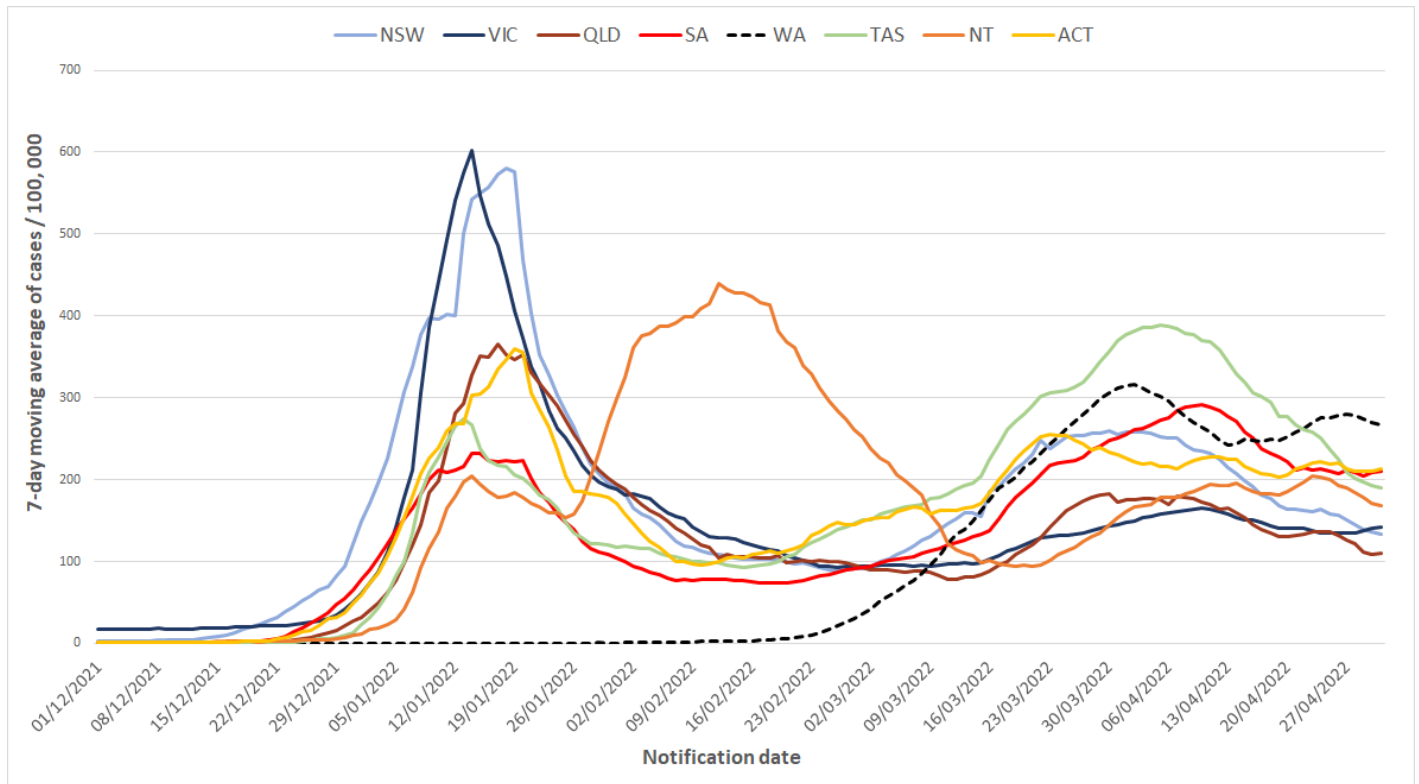
Data sourced from Western Australia Department of Health dataset

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=10,351 (47.6%). Females: n=11,411 (52.4%)
- Median age = 31 years; range: 0 to 104 years

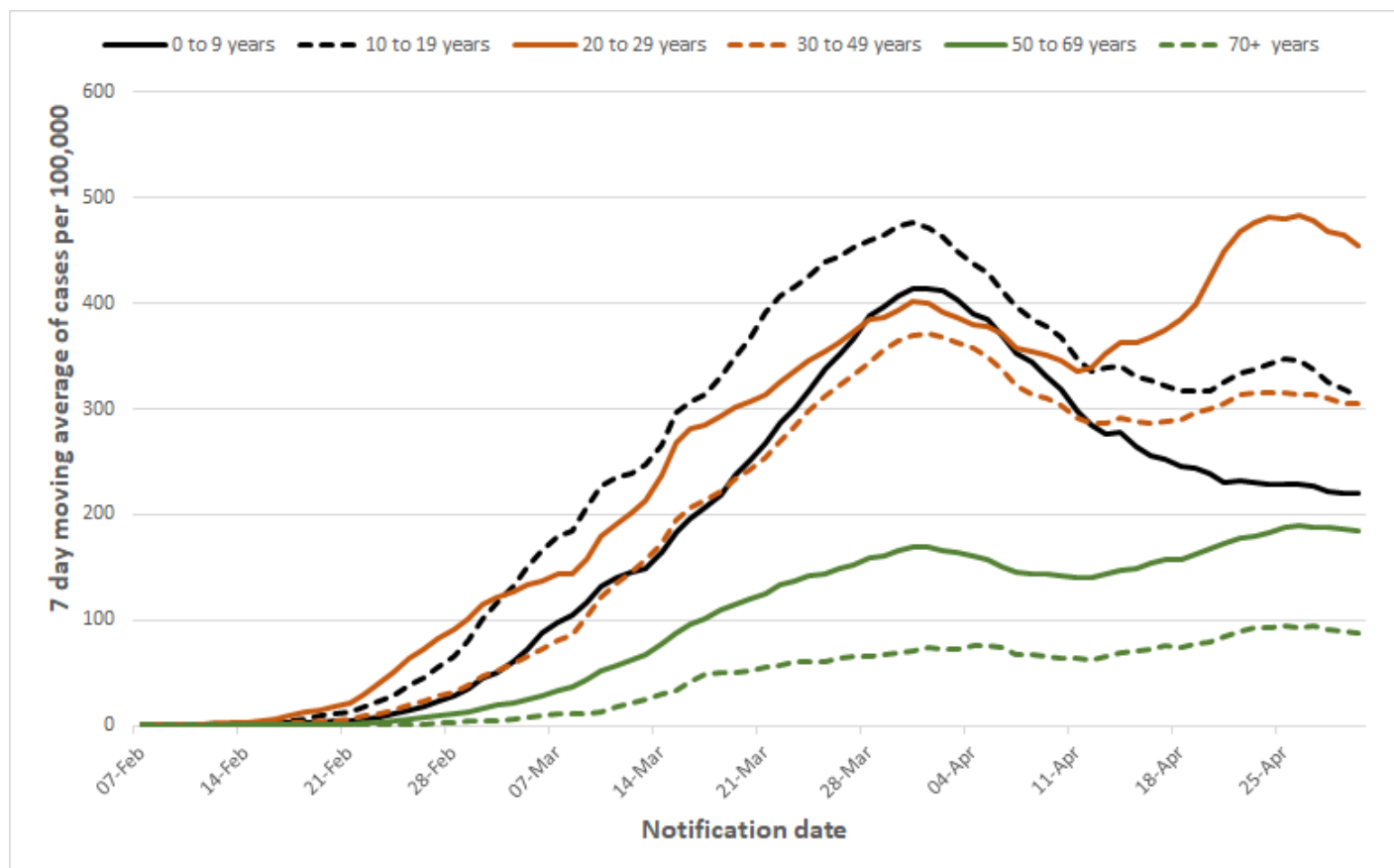
Figure 4. 7-day moving average of COVID-19 cases per 100,000 people, by Australian jurisdiction, 01 December 2021 to 01 May 2022.



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.

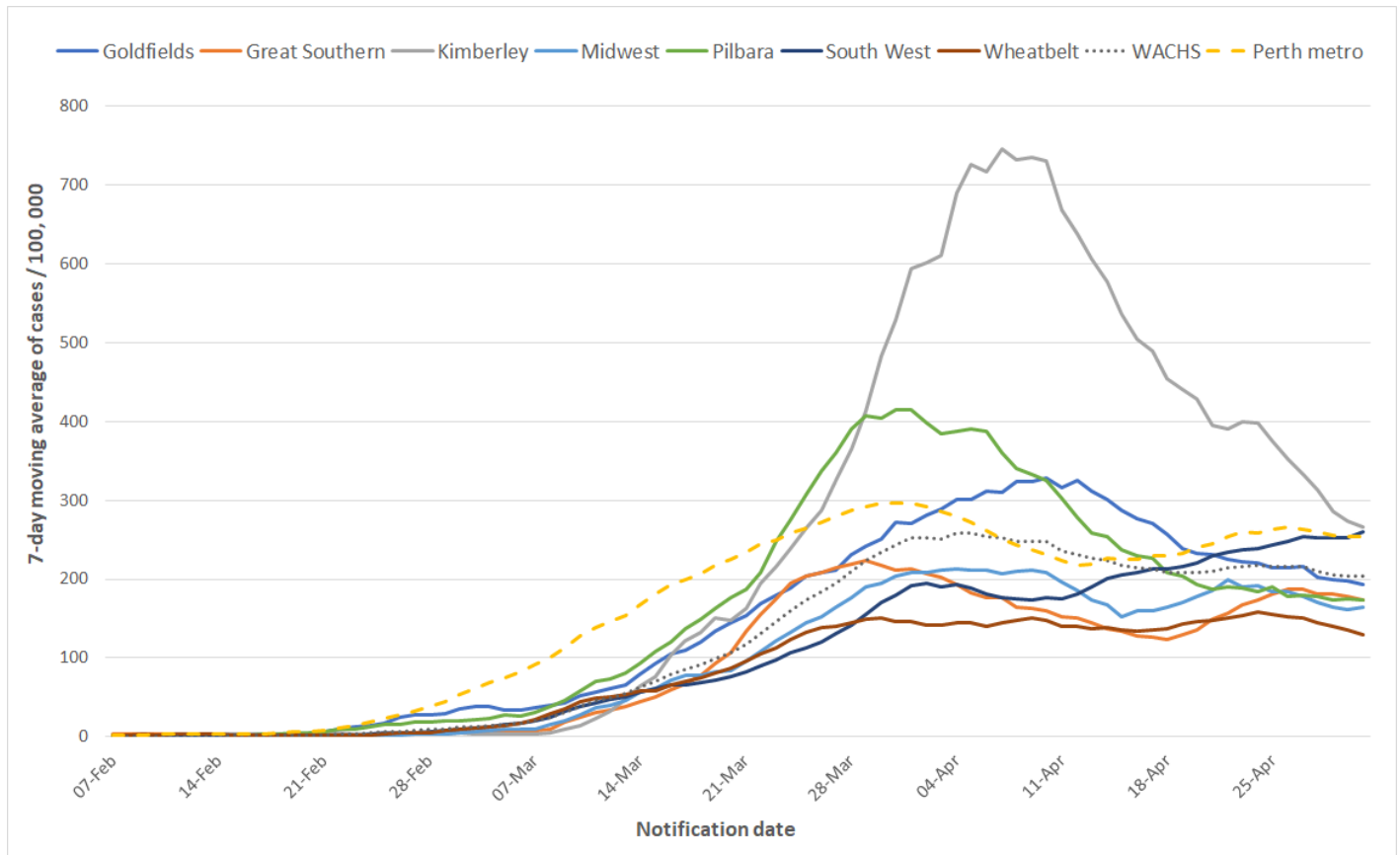
Figure 5. 7-day moving average of COVID-19 cases per 100,000 by age group, Western Australia, 07 February to 01 May 2022.



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 01 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, 25 April to 01 May 2022.

	Region	Week 25 April to 01 May 2022		Week 18 April to 24 April 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	829	1356	939	1535
	Great Southern	775	1216	773	1212
	Kimberley	757	1863	1128	2777
	Midwest	821	1152	950	1334
	Pilbara	854	1214	900	1279
	South West	3557	1816	3261	1665
	Wheatbelt	723	909	880	1106
WACHS total*		8316	1427	8831	1516
Other**		769	-	1347	-
Metropolitan		40,833	1781	41,257	1799
Total		49,918	1736	51,435	1789

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

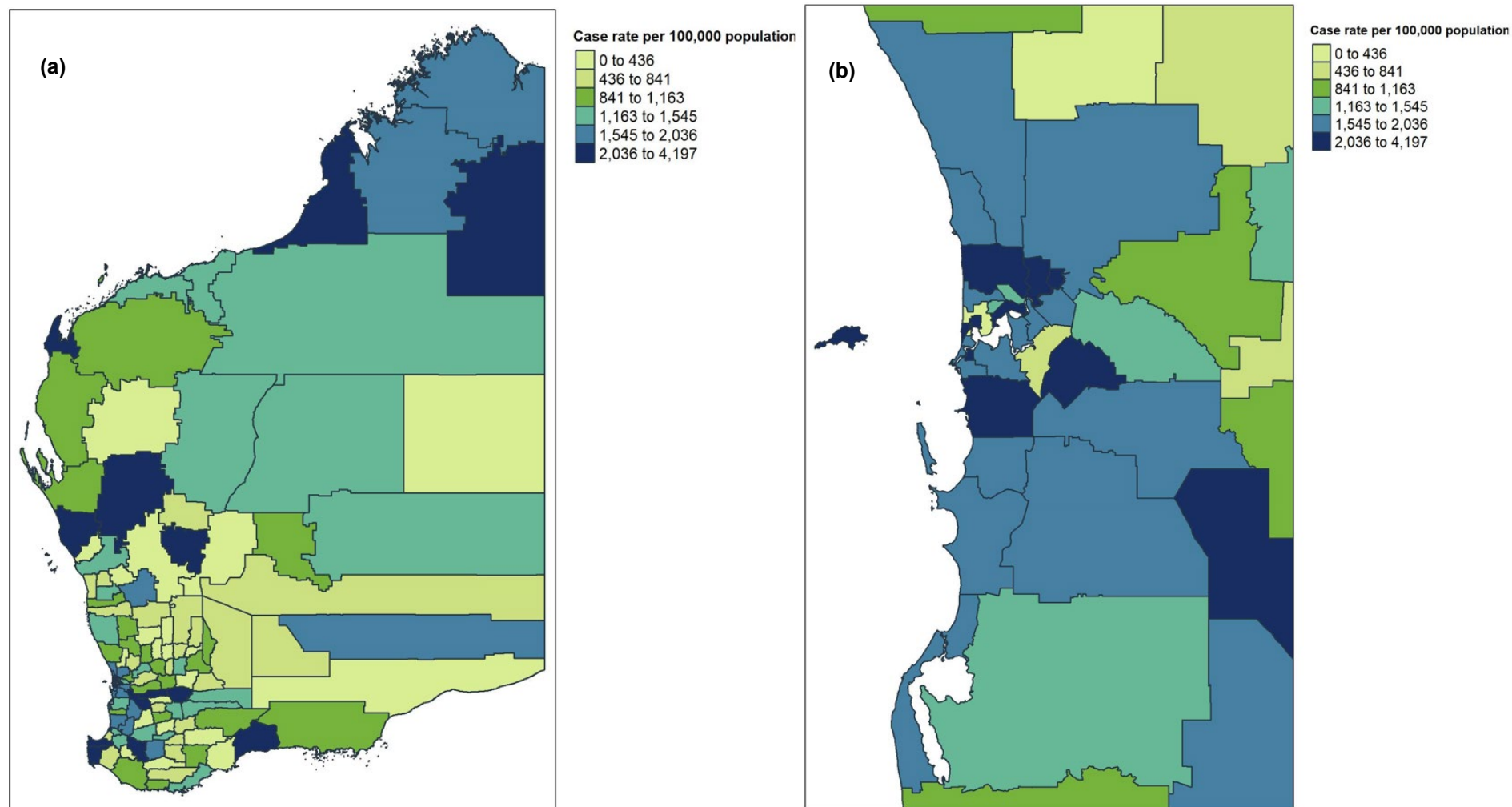
Total excludes WACHS*

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, 25 April to 01 May 2022. (b) Locally-acquired COVID-19 case rates per 100,000 population by LGA, Perth metropolitan area, 25 April to 01 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)

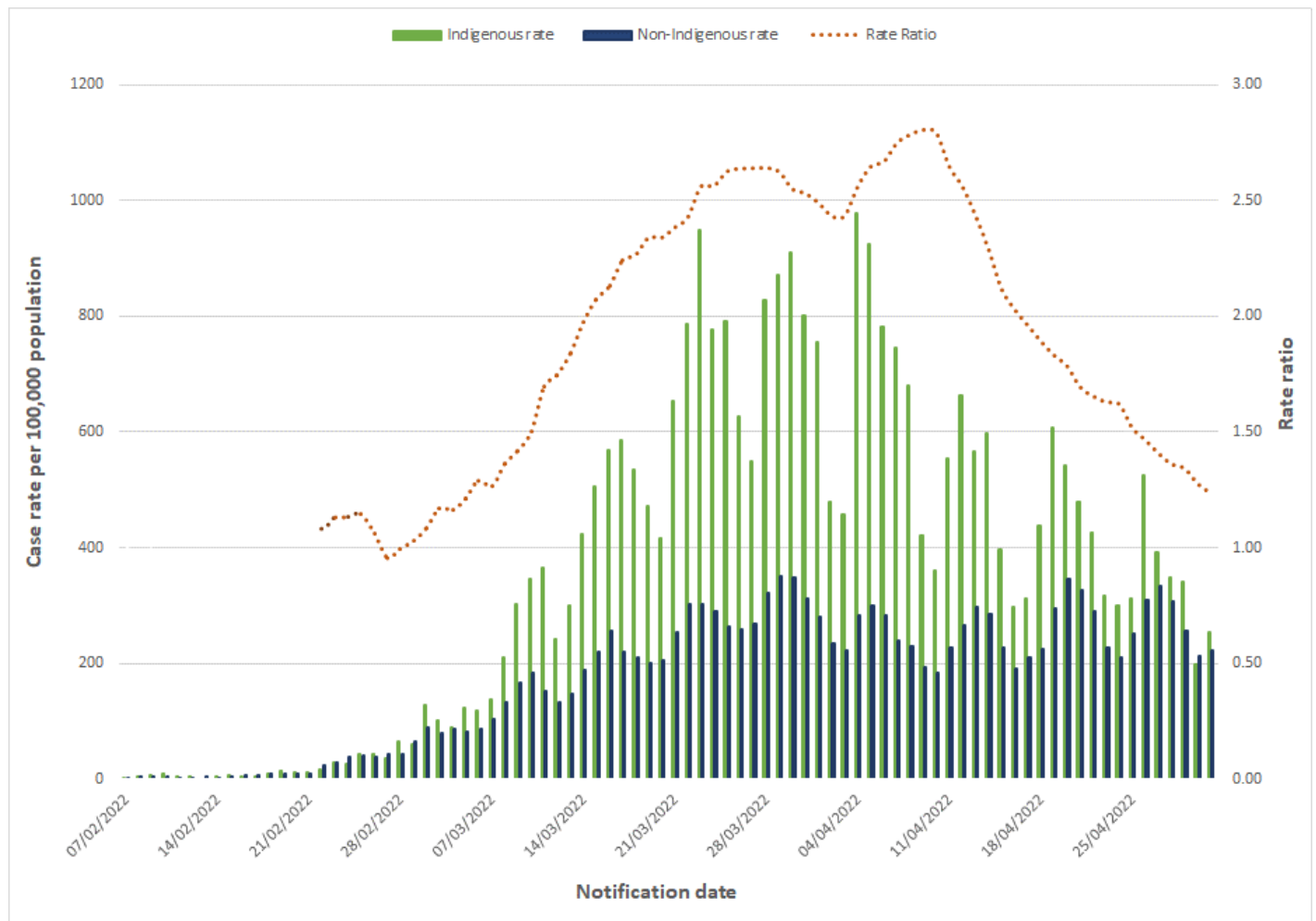
Case data includes those determined by both polymerase chain reaction (PCR) tests and rapid antigen tests (RAT)

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 01 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)

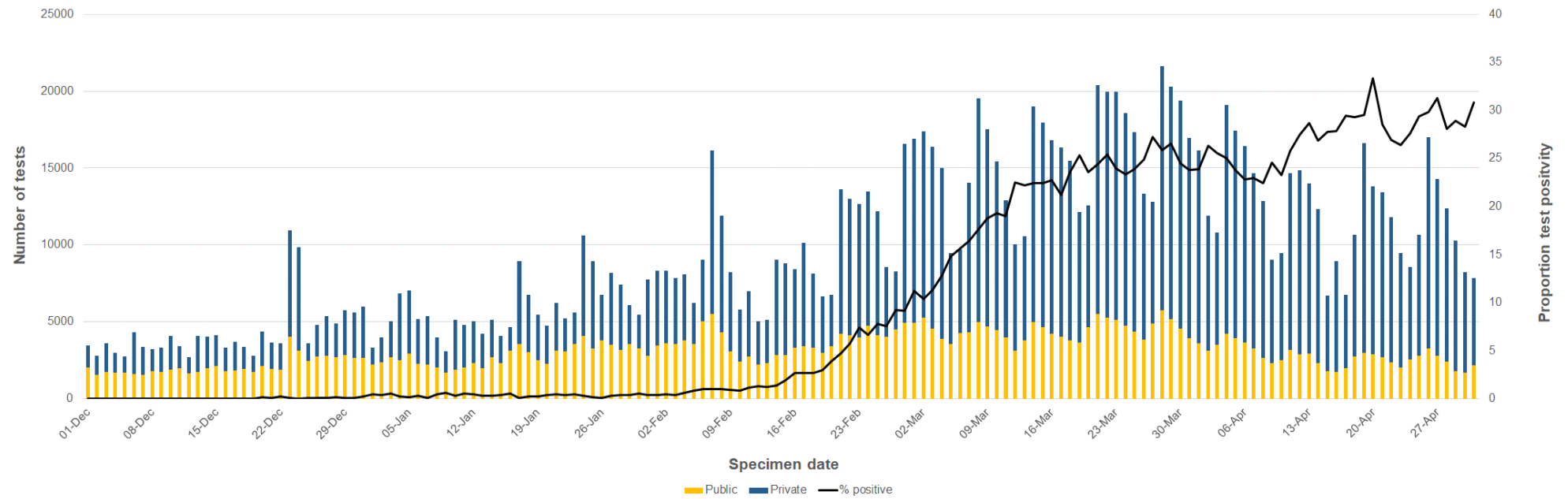
Population denominator is sourced from Australian Bureau of Statistics 2019 estimates

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 01 May 2022.



Notes

Data sourced from Western Australian public and private pathology laboratories

Specimen date refers to the date that specimen was collected

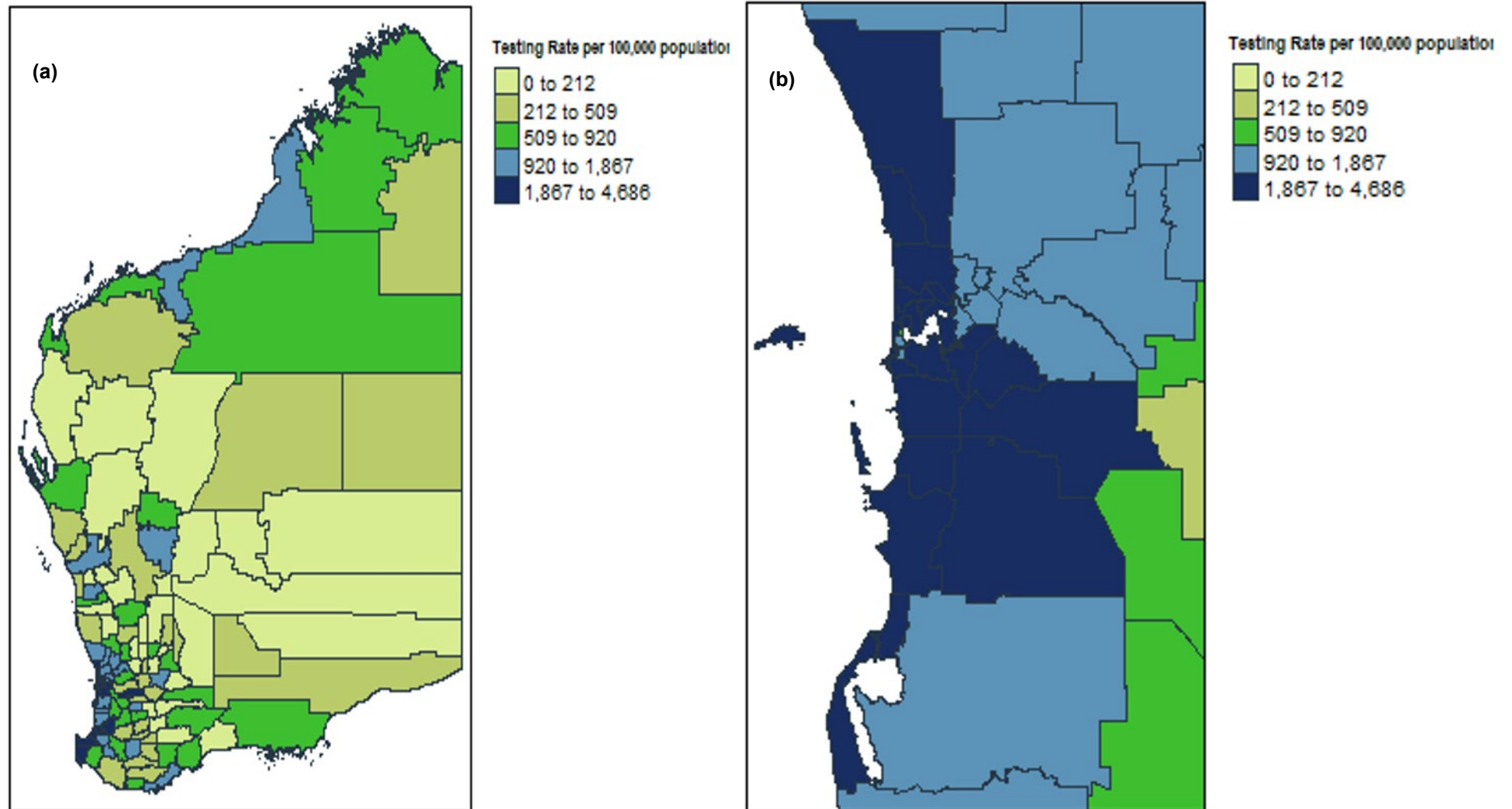
Number of tests includes both positive and negative tests.

Table 3. Number of COVID-19 polymerase chain reaction tests and testing rates, by region, Western Australia, 25 April to 01 May 2022.

	Region	Week 25 April to 01 May 2022		Week 18 April to 24 April 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	458	749	567	927
	Great Southern	747	1172	664	1041
	Kimberley	472	1162	573	1411
	Midwest	682	957	694	974
	Pilbara	568	807	754	1072
	South West	4766	2433	4270	2180
	Wheatbelt	676	850	831	1045
WACHS total *		8369	1436	8353	1434
Other**		1106	-	1274	-
Metropolitan		71,248	3107	74,281	3240
Total		80,723	2807	83,908	2918

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, 25 April to 01 May 2022. (b) Polymerase chain reaction testing rates per 100,000 population by LGA, Perth metropolitan area, 25 April to 01 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, 25 April – 01 May 2022

WACHS Regions	Postcode	Week 25 April to 01 May 2022	WACHS Regions	Postcode	Week 25 April to 01 May 2022	WACHS Regions	Postcode	Week 25 April to 01 May 2022
Goldfields	872	7	Kimberley	6725	291	Pilbara (continued)	6718	8
	6346	5		6726	74		6720	33
	6429	<5		6728	83		6721	92
	6430	474		6740	26		6722	138
	6431	<5		6743	133		6751	115
	6432	126		6765	58		6753	132
	6436	6		6770	88		6754	11
	6437	6		6798	<5		6758	<5
	6438	11		8310	<5		6760	<5
	6440	18		Midwest	6514		5	6762
	6442	19	6515		<5	South West	6218	<5
	6443	<5	6517		6		6219	<5
	6447	<5	6519		9		6220	61
	6448	5	6522		<5		6221	6
	6450	132	6525		30		6223	<5
	6646	9	6528		14		6224	15
	Great Southern	6316	<5		6530		460	6225
		6317	22	6532	65		6226	11
6318		<5	6535	11	6227	14		
6320		<5	6536	22	6228	<5		
6321		<5	6537	9	6230	957		
6322		<5	6616	<5	6232	177		
6323		<5	6620	<5	6233	370		
6324		29	6623	6	6236	18		
6326		<5	6630	<5	6237	37		
6328		<5	6635	5	6239	62		
6330		550	6638	18	6240	<5		
6333		73	6640	<5	6244	22		
6335		6	6642	15	6251	<5		
6337		5	6701	49	6253	<5		
6338		7	6707	88	6254	<5		
6341		<5	Pilbara	6710	22	6255	53	
6348		32		6712	<5	6256	<5	
6394		<5		6713	40	6258	70	
6395	30	6714		233	6260	22		
6397	<5	6716		6	6262	<5		

WACHS Regions	Postcode	Week 25 April to 01 May 2022	WACHS Regions	Postcode	Week 25 April to 01 May 2022	WACHS Regions	Postcode	Week 25 April to 01 May 2022
South West (continued)	6271	45	Wheatbelt (continued)	6365	9	Wheatbelt (continued)	6472	<5
	6275	9		6367	8		6475	<5
	6280	775		6369	5		6479	<5
	6281	232		6370	9		6485	<5
	6282	28		6372	<5		6488	<5
	6284	60		6373	5		6489	<5
	6285	275		6375	40		6501	14
	6286	33		6383	9		6502	7
	6288	11		6386	<5		6503	18
	6290	18		6390	23		6505	<5
	6398	<5		6391	9		6506	<5
Wheatbelt	6041	21	6392	<5	6507	<5		
	6042	<5	6401	111	6509	<5		
	6044	9	6403	5	6510	18		
	6302	23	6405	<5	6511	<5		
	6304	16	6407	8	6516	36		
	6306	25	6409	<5	6521	<5		
	6308	13	6410	16	6560	17		
	6309	<5	6415	34	6562	7		
	6311	5	6418	<5	6564	5		
	6312	58	6420	<5	6566	23		
	6315	6	6421	<5	6567	<5		
	6350	<5	6422	<5	6568	<5		
	6353	9	6423	<5	6569	<5		
	6355	<5	6426	9	6571	<5		
	6356	<5	6460	<5	6575	<5		
	6358	<5	6461	<5	6603	6		
	6359	<5	6465	<5	6609	<5		
	6363	<5	6468	<5	6612	<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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