



COVID-19 weekly surveillance report

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Summary for the week 25 to 31 December 2023 (inclusive)

In the week of 25 to 31 December 2023 there were:

- 442 COVID-19 cases reported
- 47 new hospital admissions and 5 admissions into an intensive care unit
- 0 deaths
- 2479 COVID-19 PCR tests conducted

Surveillance summary

This week, **case numbers** decreased by 11% compared to the previous week.

The number of **PCR tests** decreased by 35% compared to the previous week, with a 7-day average positivity rate of 11%.

The moving seven-day average **case rate** per 100,000 population increased in the Goldfields, Great Southern and Midwest regions, remained steady in the Perth metropolitan, South West and Wheatbelt region and decreased in the Kimberley and Pilbara regions. The seven-day average case rate for the Perth metropolitan area (2.5 cases/100,000 population) is higher than the non-metropolitan regions combined (1.8 cases/100,000 population).

The seven-day average **age-specific rate** decreased in most age groups, except the 70+ year age group, which increased. The highest rate was in the 70+ years age group (11 cases/100,000 population), and the lowest rate in the 10 - 19 years age groups (0.4 case/100,000 population).

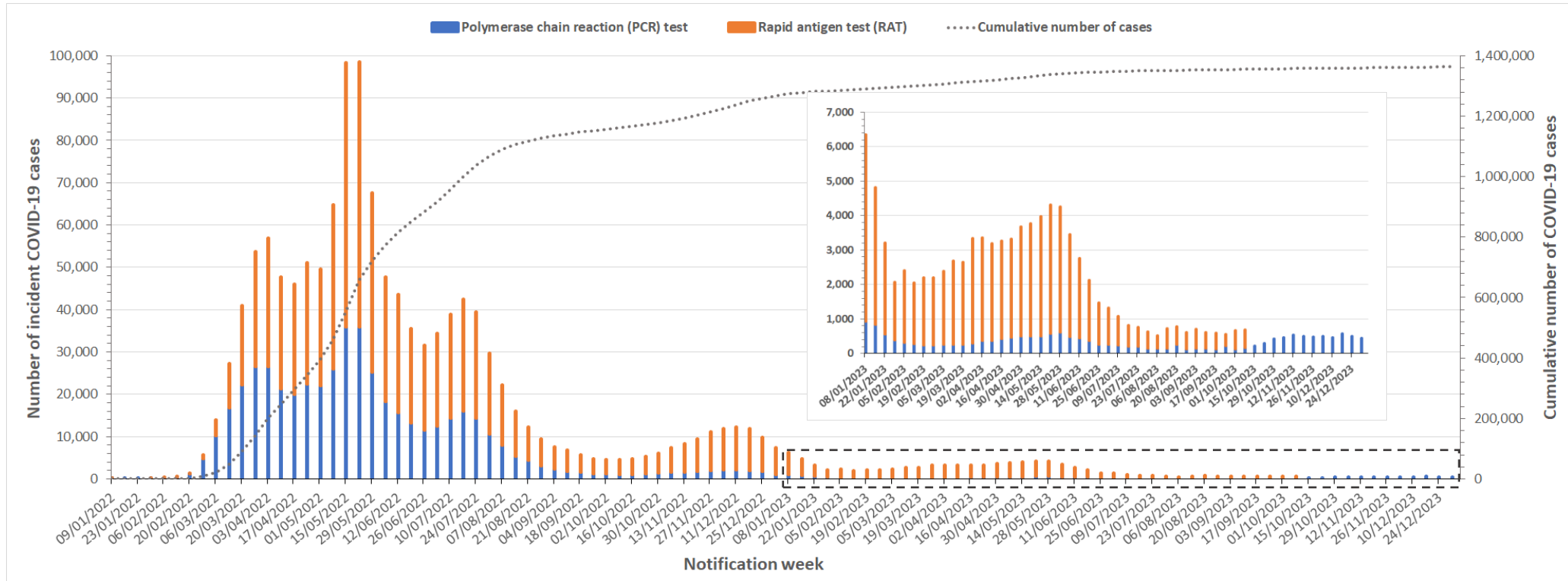
The 7-day average of currently **hospitalised cases** increased by 11% from 162 last week to 180 this week, and **intensive care unit cases** increased from 5 last week to 6 this week. **New hospital admissions** related to COVID-19 decreased from 54 last week to 47 this week, and **direct intensive care unit admissions** increased with 5 this week.

Deaths decreased this week with 0 deaths reported compared to 10 deaths last week.

This week, 24 cases were reported in the **Aboriginal population**, a slight increase compared to last week. Case rates in the Aboriginal population are higher than the non-Aboriginal population, with a 7-day average rate ratio of 1.6 this reporting week. There were no deaths reported in the Aboriginal population this week.

Case data

Figure 1. COVID-19 cases by notification week and test type, Western Australia, 03 January 2022 to 31 December 2023.



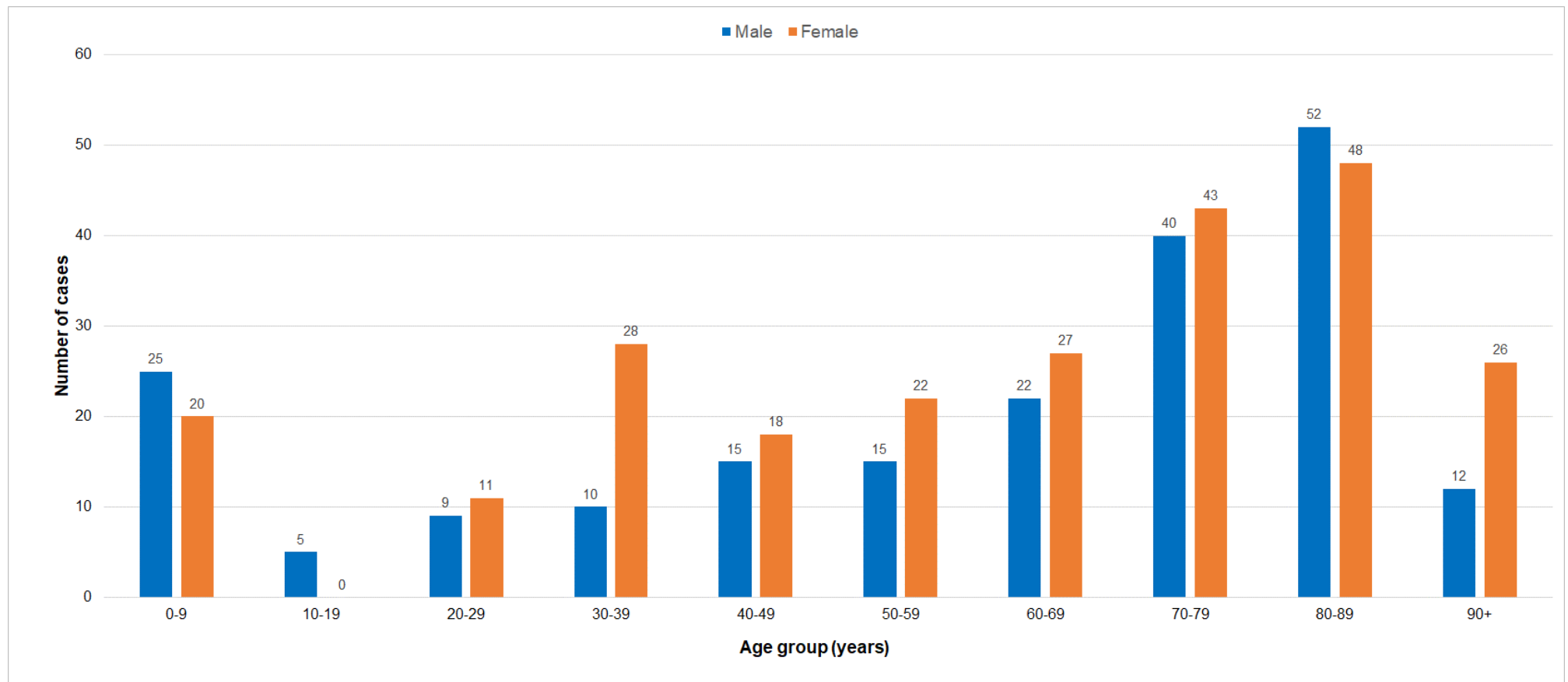
Notes

Data sourced from Western Australia Department of Health dataset

From 9th October 2023, COVID-19 cases detected by Rapid Antigen Test (RAT) are no longer counted due to the closure of the online RAT registration system

Notification week refers to data reported over the 7 days Monday to Sunday.

Figure 2. COVID-19 cases by age group and sex, Western Australia, 25 to 31 December 2023.



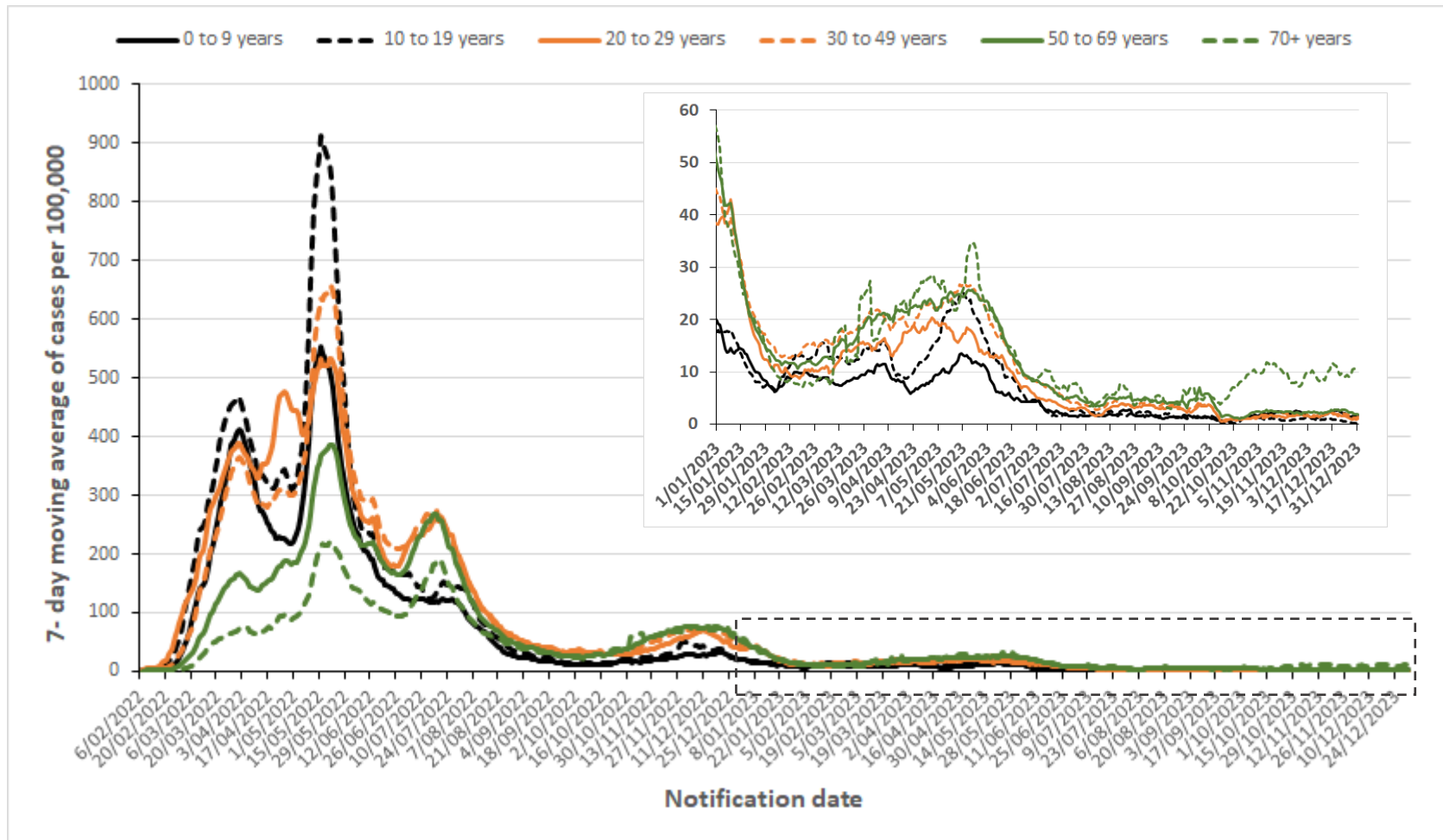
Notes

Data sourced from Western Australia Department of Health dataset

From 9th October 2023, COVID-19 cases detected by Rapid Antigen Test (RAT) are no longer counted due to the closure of the online RAT registration system

- Males: n=205 (45.8%) Females: n=243 (54.2%)
- Median age = 69 years; range: 0 to 98 years

Figure 3. 7-day moving average of COVID-19 age-specific rates per 100,000 population, Western Australia, 06 February 2022 to 31 December 2023.



Notes

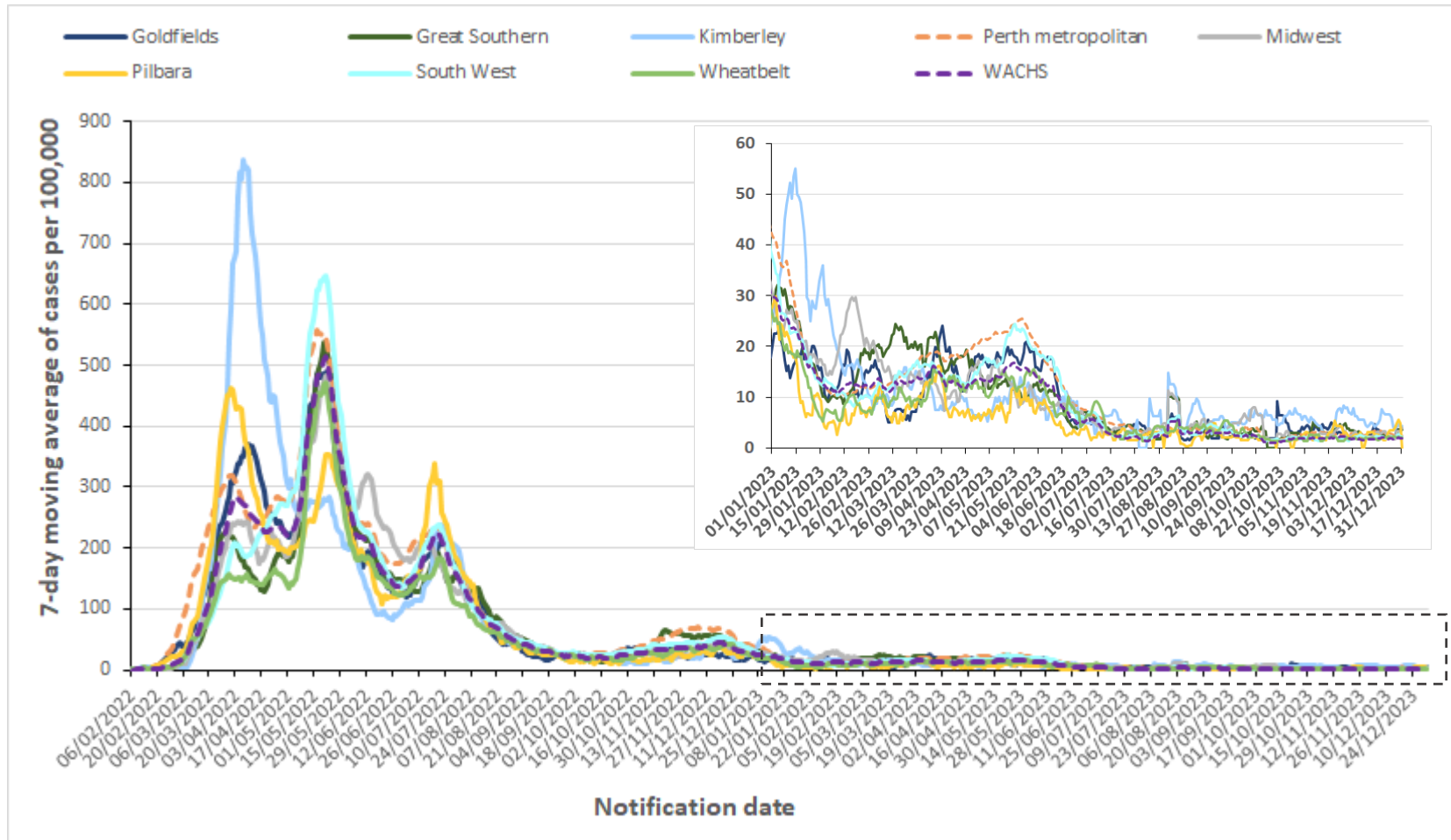
Data sourced from Western Australia Department of Health dataset

Notification date refers to the date that a case is notified to Western Australia Department of Health

From 9th October 2023, COVID-19 cases detected by Rapid Antigen Test (RAT) are no longer counted due to the closure of the online RAT registration system

Population denominator sourced from Australian Bureau of Statistics June 2021 estimates.

Figure 4. 7-day moving average of COVID-19 case rates per 100,000 population by health region of residence, Western Australia, 06 February 2022 to 31 December 2023.



Notes

Data sourced from Western Australia Department of Health dataset

Notification date refers to the date that a case is notified to Western Australia Department of Health

Western Australia Country Health Service (WACHS) region includes all non-metropolitan health regions: Central-Wheatbelt, Goldfields, Great Southern, Kimberley, Midwest, Pilbara and South West

Perth metropolitan region includes East Metropolitan Health Service, North Metropolitan Health Service and South Metropolitan Health Service

From 9th October 2023, COVID-19 cases detected by Rapid Antigen Test (RAT) are no longer counted due to the closure of the online RAT registration system

Population denominator sourced from Australian Bureau of Statistics 2020 estimates.

Table 1. Number of COVID-19 cases and rates per 100,000 population by reporting week and health region of residence, Western Australia.

Health Region		Current report week 25 to 31 December		Previous report week 18 to 24 December	
		Number	Rate^	Number	Rate^
Perth metropolitan region		367	17	425	20
WACHS Regions		67	13	70	13
	Goldfields	4	7	2	4
	Great Southern	11	18	7	11
	Kimberley	11	31	12	33
	Midwest	5	8	4	6
	Pilbara	0	0	11	18
	South West	28	15	29	16
	Wheatbelt	8	11	5	7
Other*		8	-	3	-
Total		442	16	498	19

Notes

Data sourced from Western Australia Department of Health dataset

Notification date refers to the date that a case is notified to Western Australia Department of Health

Western Australia Country Health Service (WACHS) region includes all the non-metropolitan regions: Central-Wheatbelt, Goldfields, Great Southern, Kimberley, Midwest, Pilbara and South West

Perth Metropolitan region includes East Metropolitan Health Service, North Metropolitan Health Service and South Metropolitan Health Service

* Other includes cases with overseas and interstate residential addresses, and cases without residential address information

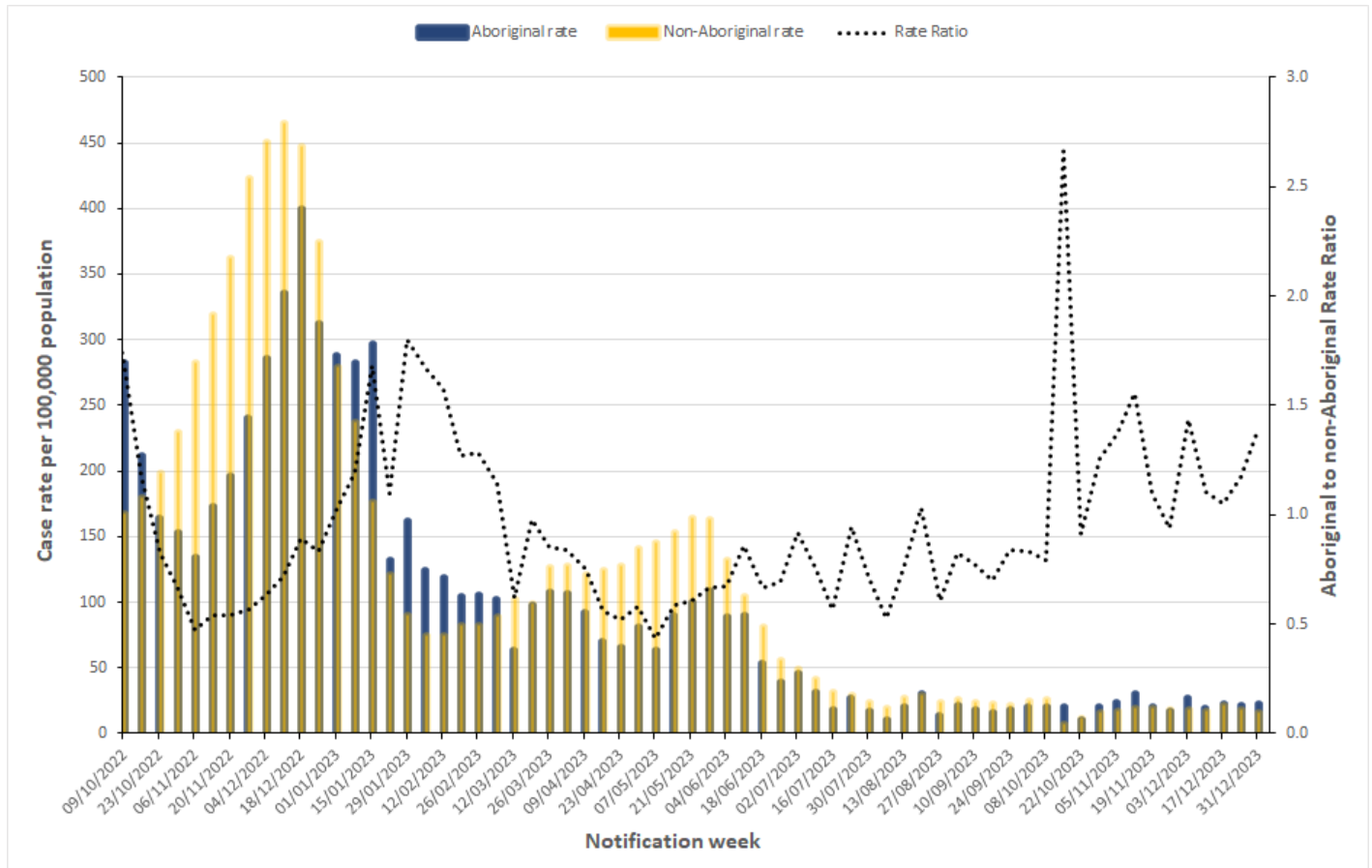
^ Rate reported as cases per 100,000 population. The total rate excludes "Other" cases, as there is no denominator population representing this group

From 9th October 2023, COVID-19 cases detected by Rapid Antigen Test (RAT) are no longer counted due to the closure of the online RAT registration system

Population denominator is sourced from Australian Bureau of Statistics 2020 estimates.

Aboriginal case summary

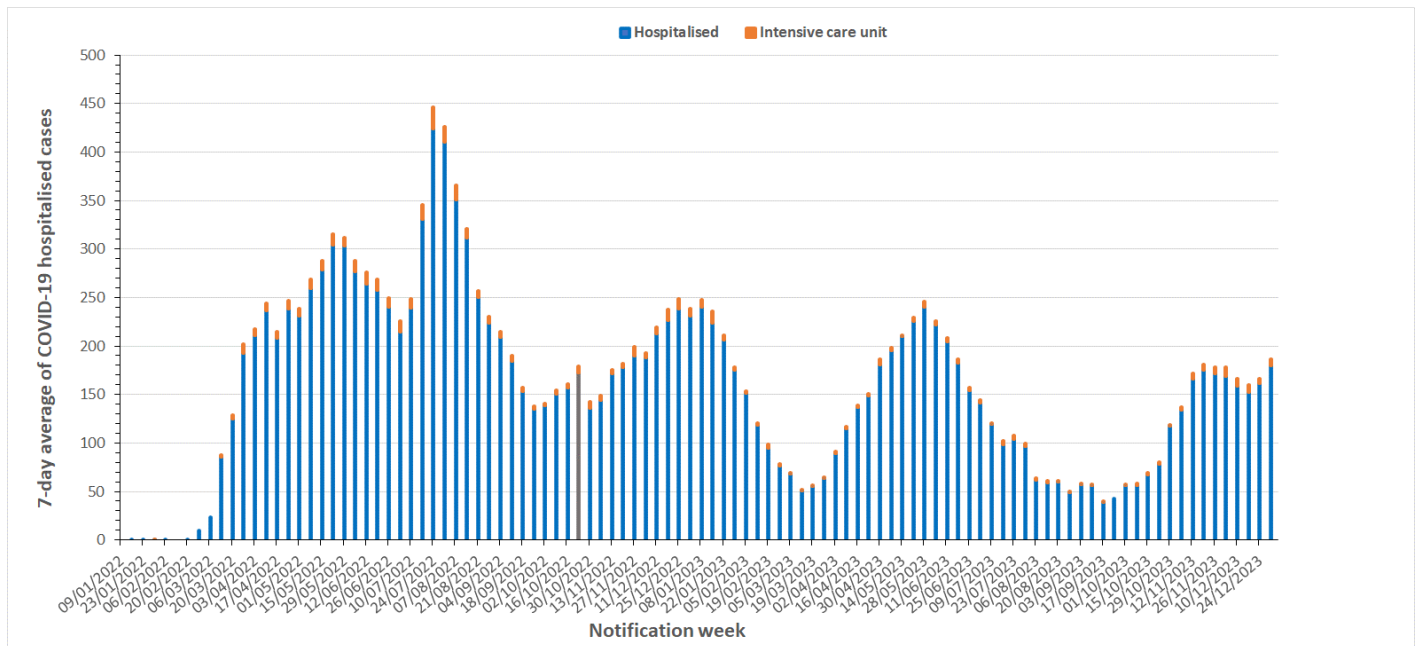
Figure 5. COVID-19 case rates per 100,000 population and rate ratio by Aboriginal status and notification week, Western Australia, 09 October 2022 to 31 December 2023.



Notes
 Data sourced from Western Australia Department of Health dataset
 Notification week refers to data reported over the 7 days Monday to Sunday
 Aboriginal status is defined as those who identify as 'Aboriginal and Torres Strait Islander (TSI) origin'/'Aboriginal but not TSI origin'/'TSI but not Aboriginal origin'
 Cases where Aboriginal status was not stated were designated as non-Aboriginal
 Rate ratio is calculated by dividing the Aboriginal rate by the non-Aboriginal rate, with a 7-day average of the respective rate ratios applied to smooth the trend
 From 9th October 2023, COVID-19 cases detected by Rapid Antigen Test (RAT) are no longer counted due to the closure of the online RAT registration system
 Population denominator data were sourced from Australian Bureau of Statistics 2020 estimates

Hospitalisations, intensive care unit (ICU) inpatients and deaths

Figure 6. 7-day average of COVID-19 cases currently in hospital or in ICU, 09 January 2022 to 31 December 2023.



Notes

Data sourced from Western Australia Department of Health dataset

Notification week refers to data reported over the 7 days Monday to Sunday

'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

The definition of COVID-19 related hospitalisation was updated on 21 October 2022 to exclude cases where more than 60 days have passed since their positive COVID-19 test. This new definition more accurately captures cases in whom COVID-19 may have contributed to their reason for ongoing hospitalisation. Data reported after 21 October cannot be compared directly to data recorded prior to that date.

Table 2. Number of COVID-19 related deaths by sex and age group, 25 - 31 December 2023 and 01 January 2022 to 31 December 2023.

	Current report week 25 – 31 December 2023	Year 2022 to date 1 Jan 2022 – 31 December 2023
Sex	Deaths (n= 0)	Deaths (n= 1,314)
Female	0 (0%)	637 (48.5%)
Male	0 (0%)	677 (51.5%)
Unspecified	0 (0%)	0 (0%)
Age group (years)		
0-9	0 (0%)	0 (0%)
10-19	0 (0%)	2 (0.15%)
20-29	0 (0%)	1 (0.08%)
30-39	0 (0%)	11 (0.8%)
40-49	0 (0%)	14 (1.07%)
50-59	0 (0%)	38 (2.9%)
60-69	0 (0%)	98 (7.4%)
70-79	0 (0%)	249 (18.9%)
80-89	0 (0%)	486 (37.0%)
90+	0 (0%)	415 (31.6%)

Notes

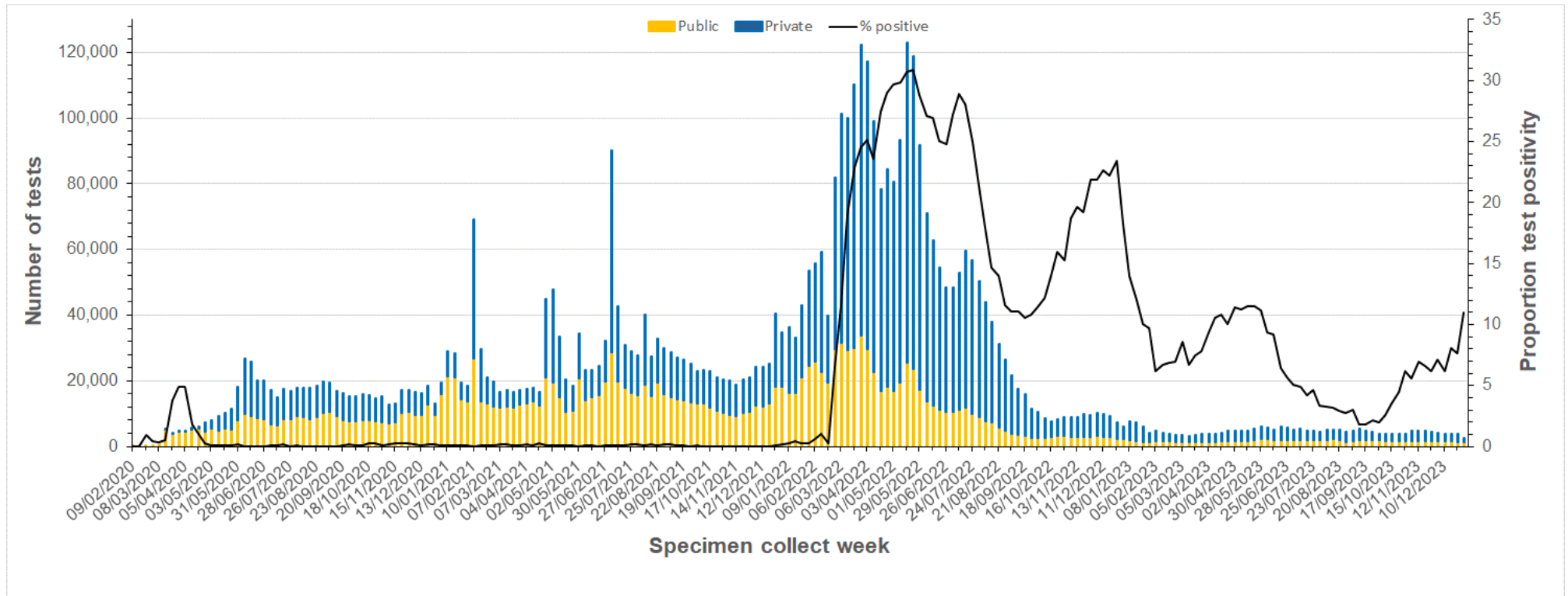
Data sourced from Western Australia Department of Health dataset

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

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

Testing data

Figure 7. Number of COVID-19 polymerase chain reaction tests and positivity by laboratory category and week of specimen collection, 09 February 2020 to 31 December 2023.



Notes

Data sourced from Western Australian public and private pathology laboratories

Specimen collect week refers to specimens collected between Monday to Sunday

Number of tests includes both positive and negative tests

From 01 October 2022, testing at private pathology providers requires a referral from a GP

From 03 March 2023, Murdoch COVID-19 public PCR testing clinic closed. From this time forward public access to COVID-19 PCR testing is only via GP referral to private pathology providers.

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