



Government of **Western Australia**  
Department of **Health**

# Medical Entomology Quarterly Report

## 2024 Health Region: July-September 2024



Serologically confirmed doctor-notified and laboratory reported cases of Ross River virus disease each month in WA, July 2024 - June 2025 #

\*Compiled by the Medical Entomology, WA Department of Health

MEDICAL ENTOMOLOGY REGION	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Crude Rate	Age Std Rate
KIMBERLEY	1	1	0	1	0	0	0	0	0	0	0	0	3	7.7	9.4
PILBARA	1	0	0	0	0	0	0	0	0	0	0	0	1	1.7	1.7
GASCOYNE	1	0	0	0	0	0	0	0	0	0	0	0	1	9.9	9.8
MIDWEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
WHEATBELT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
METRO	3	0	1	2	0	0	0	0	0	0	0	0	6	0.3	0.3
SW - PEEL	1	1	0	1	0	0	0	0	0	0	0	0	3	1.0	0.7
SW - LESCHENAULT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
SW - Geographe	1	2	0	1	0	0	0	0	0	0	0	0	4	6.5	5.4
SW - ELSEWHERE	0	1	0	0	0	0	0	0	0	0	0	0	1	1.9	2.0
SOUTH WEST(Total)	2	4	0	2	0	0	0	0	0	0	0	0	8	1.6	1.6
GREAT SOUTHERN	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
GOLDFIELDS-ESPERANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
WA UNDETERMINED	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
INTERSTATE	1	0	0	0	0	0	0	0	0	0	0	0	1		
<b>WA TOTAL (does not include interstate)</b>	<b>8</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>		

\* Crude Rate per 100,000 and Age Standardised Rate per 100,000 compared to Australian Standard Population (to eliminate the effect of differences in population age structures between geographic areas)

# Ross River virus disease case data summary

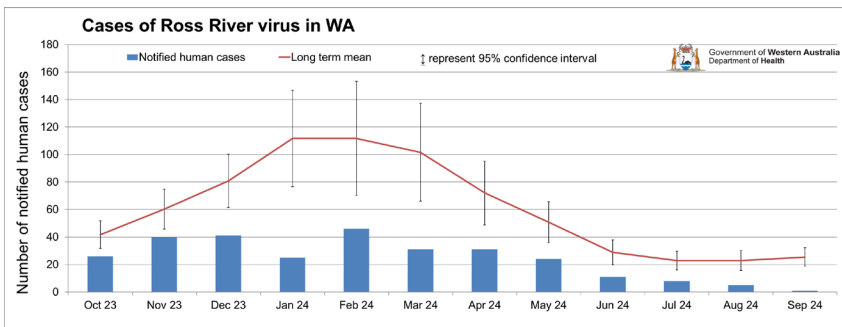
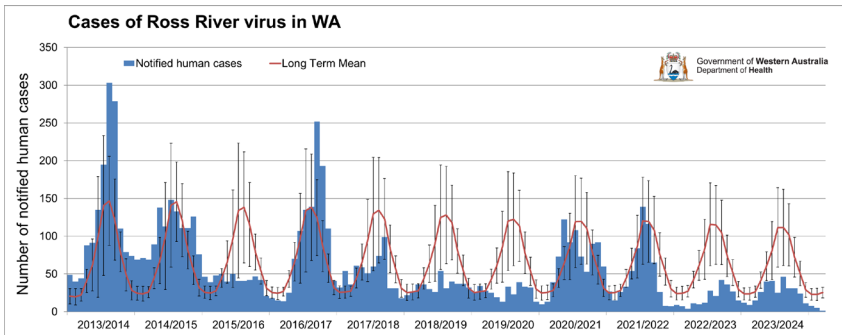
## Western Australia State Summary: Jul-Sept 2024

Data reflected in this summary of mosquito-borne disease is taken from the Western Australia Notifiable Infectious Disease Database (WANIDD) and includes enhanced surveillance data (ESD) collected by Population Health Units (PHUs) and local governments (LGs) (Note: only locations with notified cases of disease are shown in tables and figures).

Data current as at 28 October 2024.

- In this quarter, **14 RRV cases were notified across WA**, including 7 by lab only
- The long term mean for RRV cases is 731 per year, and 71 for this quarter
- For WA, the number of RRV cases was **significantly below the long term mean for all months** this quarter.
- The date and location of exposure will often be different to information provided on notification forms in 90% and 50% of the cases, respectively. Data is more accurate when follow up surveys are completed.
- **ESD/Follow-up Response Rate for RRV cases in this quarter: 21%#**

#calculated as number of follow up surveys received divided by total number of notified cases

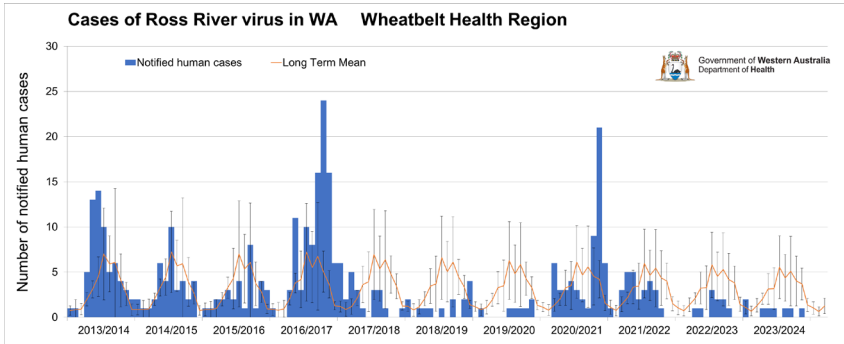


# Ross River virus disease case data summary

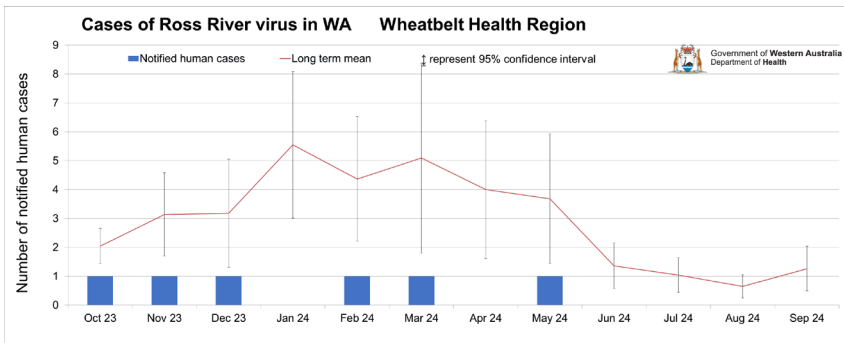
## Wheatbelt Health Region Jul - Sept 2024

Data reflected in this summary of mosquito-borne disease is taken from the Western Australia Notifiable Infectious Disease Database (WANIDD) and includes enhanced surveillance data (ESD) collected by Population Health Units (PHUs) and local governments (LGs) (Note: only locations with notified cases of disease are shown in tables and figures).

Data current as at 28 October 2024.



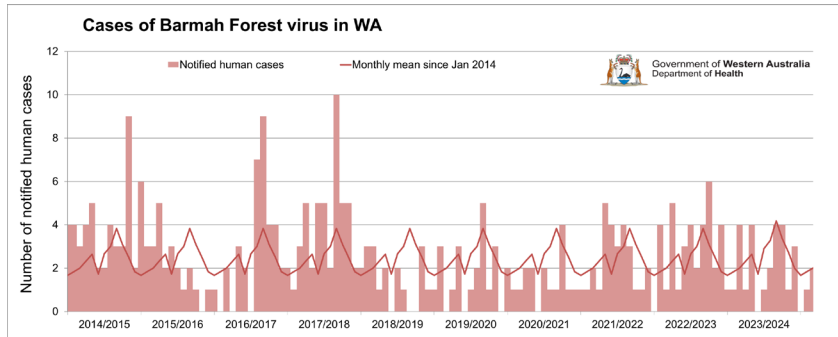
- For this region, no RRV cases were notified. This is below the long term mean for all months this quarter
- Long term mean for RRV cases is 35 per year, and about 3 cases for this quarter



# Barmah Forest virus disease case data summary Jul - Sept 2024

Serologically confirmed doctor-notified and laboratory reported cases of Barmah Forest virus disease each month in WA, July 2024 - June 2025 #																
*Compiled by the Medical Entomology, WA Department of Health *																
MEDICAL ENTOMOLOGY REGION	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Crude Rate	Age Std Rate	
KIMBERLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
PILBARA	0	0	0	1	0	0	0	0	0	0	0	0	1	1.7	1.6	
GASCOYNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
MIDWEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
WHEATBELT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
METRO	0	0	0	1	0	0	0	0	0	0	0	0	1	0.1	0.0	
SW - PEEL	0	0	1	1	0	0	0	0	0	0	0	0	2	0.7	0.7	
SW - LESCHENAU	0	1	0	0	0	0	0	0	0	0	0	0	1	1.3	1.4	
SW - Geopraphe	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
SW - ELSEWHERE	0	0	1	0	0	0	0	0	0	0	0	0	1	1.9	1.8	
SOUTH WEST (Total)	0	1	2	1	0	0	0	0	0	0	0	0	4	0.8	0.0	
GREAT SOUTHERN	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
GOLDFIELDS-ESPERANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
WA UNDETERMINED	0	0	0	0	0	0	0	0	0	0	0	0	0			
INTERSTATE	0	0	0	0	0	0	0	0	0	0	0	0	0			
<b>WA TOTAL (does not include interstate)</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>			

\* Crude Rate per 100,000 and Age Standardised Rate per 100,000 compared to Australian Standard Population (to eliminate the effect of differences in population age structures between geographic areas)



Data reflected in this summary of mosquito-borne disease is taken from the Western Australia Notifiable Infectious Disease Database (WANIDD) and includes enhanced surveillance data (ESD) collected by Population Health Units (PHUs) and local governments (LGs) (Note: only locations with notified cases of disease are shown in tables and figures).

Data current as at 28 October 2024.

## Western Australia State Summary

- In this quarter, **3 BFV cases were notified across WA**, including 2 by lab only.
- For WA, the **long term mean for BFV cases is 29 per year**, and **6 for this quarter**. The number of BFV cases was below the monthly mean.
- The date and location of exposure will often be different to information provided on notification forms in 90% and 50% of the cases, respectively. Data is more accurate when follow up surveys are completed.
- **ESD/Follow-up Response Rate for RRV cases in this quarter: 0%#**

#calculated as number of follow up surveys received divided by total number of notified cases

## Wheatbelt Metropolitan Health Region

- **No BFV cases were notified this quarter.**
- For this region, the **long term mean for BFV cases is 2 per year** and **less than one for this quarter.**

# Climate Summary for July - September 2024

Links to the Climate Driver Update and Climate summaries for July to September 2024 can be found below:

[Climate Driver Update history](#)

[Climate summary for Western Australia in July 2024](#)

[Climate summary for Western Australia in August 2024](#)

[Climate summary for Western Australia in September 2024](#)

