

# **Mosquito-borne disease**

# Follow-up questionnaire for human cases

# Background

All cases of mosquito-borne diseases that meet case definition criteria should be notified to the relevant Public Health Unit or Communicable Diseases Control Directorate of the WA Department of Health by the patient's doctor or GP.

**Ross River virus (RRV)** and **Barmah Forest virus (BFV)** occur throughout the State. RRV is WA's most common mosquito-borne disease.

Murray Valley encephalitis (MVE) and Kunjin (KUN) viruses are much rarer and occur in the northern regions of WA.

Infections with RRV or BFV can result in a range of symptoms that may last for weeks or even months. Infections with MVE virus can be severe and potentially fatal. Whilst KUN virus infection is not as severe, it can still result in neurological symptoms. As there is currently no vaccine or cure for any of these diseases, the only way to prevent illness is to reduce the potential for interaction between mosquitoes and people.

This questionnaire is designed to assist in identifying the most likely time/place of exposure to the mosquito-borne virus. The Environmental Health Directorate, WA Department of Health, uses this information to define high risk regions and direct mosquito management priorities throughout WA.

## Confidentiality

Information collected from this questionnaire will remain completely confidential. It will be used solely for the purpose of guiding the WA Department of Health to prevent the spread of mosquito-borne diseases. No information that identifies individuals will be made available outside the WA Department of Health.

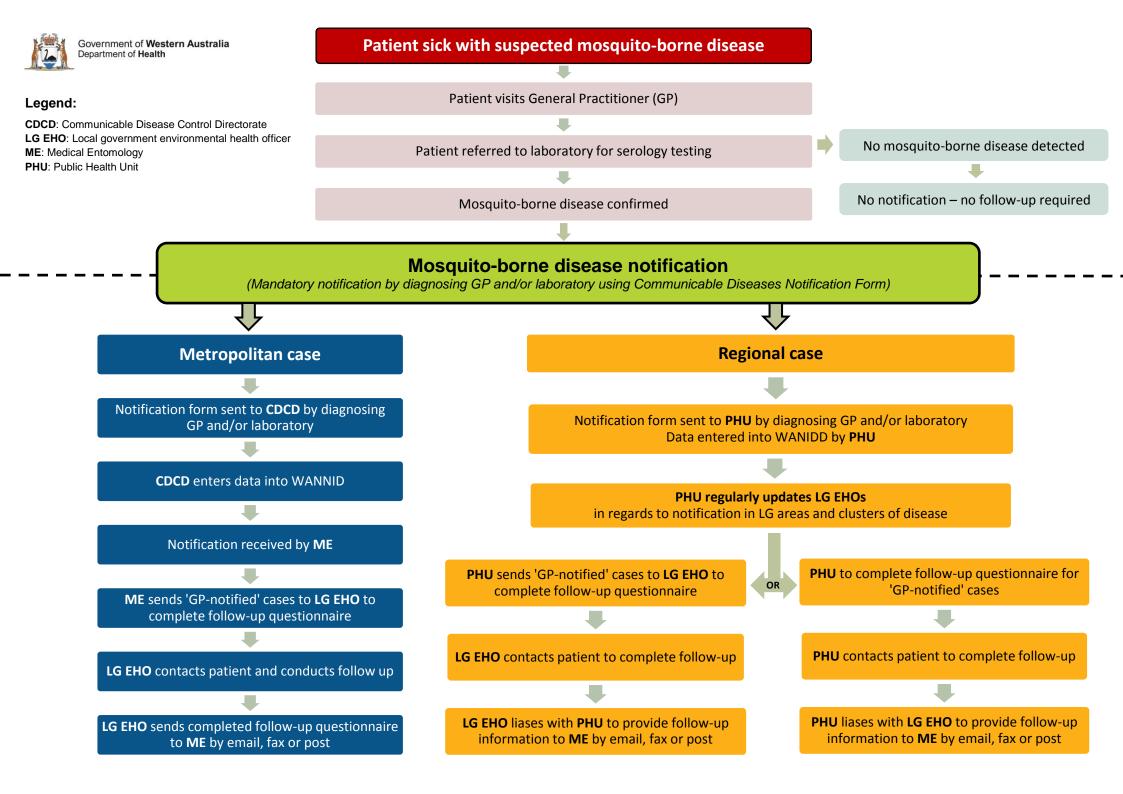
#### **Return completed forms**

This questionnaire can be completed by the patient, medical personnel or local government Environmental Health staff. Please return the completed questionnaire by email, fax or post to:

Scan and Email:	Fax:	Post:
medical.entomology@health.wa.gov.au	(08) 9383 1819	Medical Entomology Environmental Health Hazards Environmental Health Directorate WA Department of Health PO Box 8172 Perth Business Centre WA 6849

## **Further information**

Please contact the Medical Entomology team by email <u>medical.entomology@health.wa.gov.au</u> or phone (08) 9285 5500 for further information or to request an electronic version of this questionnaire.





# Mosquito-borne Disease Case Follow-up Questionnaire

Section 1 Patient Details		Today's Date	: /	/		
Name:	Notification ID:	-	(eg. 1234	4 - 56789)		
Gender (tick box) M F	Date of Birth:	/ /				
Home street address (not PO Box):		Day Month Yea	ar			
Town / Suburb:	State:	Postcoc	le:			
Please indicate who completed this form (tick box and provide the	individual's full na	me, where require	ed):			
Person with the illness (as above)						
EHO (Name & Local Govt)						
Other (Name & position/relation to patient)						
The following questions relate to the patient						
1) Which disease/s have you been diagnosed with (tick more that	an one box if you w	ere diagnosed wit	th more than	one virus)		
Ross River virus (RRV) Murray Valley enc	ephalitis (MVE) vir	us Other	r (specify):			
Barmah Forest virus (BFV) Kunjin virus (KUN	)					
2) What is your occupation?						
3) Does your job (or usual daily routine) require you to work mo	stly	Indoors	Outdoors	Both		
4) Does your job (or usual daily routine) involve travel to regiona	al Western Austra	alia?	Yes	No		
5) Have you noticed mosquitoes at: Home: Yes	No	Work:	Yes	No		
The following questions relate to the patient's syn	mptoms and	possible exp	osure			
6) What was the approximate date you first <u>noticed symptoms</u> ? (Note: This may be days/months before visiting the doctor or receiving a diagnosis. If you do not know the exact date, please provide an approximate timing).						
doctor or receiving a diagnosis. If you do not know the exact		• •		-		
		• •		-		
doctor or receiving a diagnosis. If you do not know the exact           I         OR           Day         Month         Year	date, please prov	• •		-		
/ / OR	date, please prov	vide an approxin	nate timing) / Month	Year		
<ul> <li>/ / OR</li> <li>Day Month Year</li> <li>7) Listed below are common symptoms of mosquito-borne dise</li> </ul>	date, please prov	vide an approxin	nate timing) / Month u experience	Year		
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The following section relates to the most likely place the patient was exposed to mosquitoes in the <u>3 weeks before symptoms</u> began

- Please indicate the most likely place where you were bitten by mosquitoes in Section 2 (below);
- If there was more than one place, use **Section 3** (next page) to indicate another place of exposure to mosquitoes;
- Complete Part A if you know the street address of the location where you were most likely bitten by mosquitoes (e.g. Lot 47 Thompson Road, Baldivis); OR
- Complete Part B to describe the location if you do not know the street address (e.g. southern side of Thompson Lake in Thompson Park, near Johnson Street, Carnarvon WA);
- It is important that you provide **as much detail as possible**. We need to **identify the location** to a street or lot number or a particular part of a recreational area.

Section 2 Most likely place of exposure						
(Please answer Part A OR Part B and questions 9 - 14)						
PART A: Known street address						
House/Lot No: Street Name:						
Surburb:	State:	ł	Postcode:			
PART B: Geographical Location						
Location Description:						
Nearest Suburb/Town:	State:		Postcode:			
Nearest Landmark/Street intersection/Other detail (To help	pinpoint the exposure locat	ion):				
9) Please indicate approximate date/s you were at the above location in the 3 weeks before you became ill (eg. 1st week of January, 6 - 10th April)						
10) Was the majority of your time spent at the above location:			Outdoors	Both		
11) Did you notice mosquitoes at the above location?		Yes	No			
12) Do you remember being bitten by mosquitoes at th	e above location?	Yes	No			
13) Were you participating in any of the following recreational activities at this location?	14) Which personal pro whilst at this locati		easures did you i	use		
Caravanning/camping Gardening	Application of a chemical-based repellent Application of a natural-based repellent					
Fishing	Wore protective, long-sleeved clothing Used mosquito nets (ie. face, swag, bed net etc) Ensured windows/doors are adequately screened					
Undertaking a physical activity/sport Visiting a beach/wetland/river/lake						
Other (specify):	Other (specify):		Squatory Soleeneu			



Section 3 Second most likely place of exposu	ıre				
(Please answer Part A OR Part B and questions 15 - 20)					
PART A: Known street address					
House/Lot No: Street Name:					
Surburb:	State:			Postcode:	
PART B: Geographical Location					
Location Description:					
Nearest Suburb/Town:	State:			Postcode:	
Nearest Landmark/Street intersection/Other detail (To help	pinpoint the ex	xposure locatio	n):		
15) Please indicate approximate date/s you were at the (eg. 1st week of January, 6 - 10th April)	above location	on in the 3 wee	eks befor	e you became il	I
16) Was the majority of your time spent at the abo	ve location:	In	doors	Outdoors	Both
17) Did you notice mosquitoes at the above location?		Y	es	No	
18) Do you remember being bitten by mosquitoes at th	e above locat	tion? Y	es	No	
19) Were you participating in any of the following recreational activities at this location?	20) Which personal protection measures did you use whilst at this location?				use
Caravaning/camping	Application of a chemical-based repellent				
Gardening Fishing	Application of a natural-based repellent Wore protective, long-sleeved clothing				
Undertaking a physical activity/sport	Used mosquito nets (ie. face, swag, bed net etc)			)	
Visiting a beach/wetland/river/lake	Ensured windows/doors are adequately screened			d	
Other (specify):	Other (	specify):			
Other information					
Please use the following space to add any further details th infected or as extra space to expand on previous answers	at may help us	s define the loca	ation whe	re you may have	been
infected of as extra space to expand on previous answers					



#### **Important note:**

This section is only required for severe mosquito-borne disease cases such as MVE and KUN. You do not need to complete this section for RRV or BFV cases.

#### **Section 4 MVE and KUN ONLY** – Contact tracing information

Please complete the following for any <u>relatives</u>, friends, work colleagues or other persons known to you, who were with you and may have been exposed to biting mosquitoes in the three weeks leading up to the onset of your illness. This will enable the Department of Health to ensure that other individuals who may have been exposed at the same time are advised about signs and symptoms of serious diseases, such as MVE, and to seek medical attention quickly in the event that they develop such symptoms.

#### **Contact Details**

1

1	Person 1 Name:							
	Gender (tick box):	М	F	Date of Birth:	/	/		
	Home address:							
	Home phone:			Mobile phone:				
2	Person 2 Name:							
	Gender (tick box):	М	F	Date of Birth:	/	/		
	Home address:							
	Home phone:			Mobile phone:				
3	Person 3 Name:							
	Gender (tick box):	М	F	Date of Birth:	/	/		
	Home address:							
	Home phone:			Mobile phone:				
4	Person 4 Name:							
	Gender (tick box):	М	F	Date of Birth:	/	/		
	Home address:							
	Home phone:			Mobile phone:				
5	Person 5 Name:							
	Gender (tick box):	М	F	Date of Birth:	/	/		
	Home address:							
	Home phone:			Mobile phone:				
Note:	Note: Please attach additional pages for any further contacts.							
1								