Cross-sectional survey for malaria in 5 study sites in the Solomon Islands in 2018

Authors:

Tanya L. Russell, Paul Horwood, Humpress Harrington, Alan Apairamo, Nathan Kama,

Albino Bobogare, David MacLaren, Thomas R. Burkot

Description of data archiving for analysis

A cross sectional survey examining the prevalence of arboviruses was conducted in Honiara
City Council, Guadalcanal, Isabel and Malaita Provinces, Solomon Islands. This work
commenced on 26/04/2018 and was completed on 16/05/2018.

Cross-sectional survey

Parameter	Details
Aim	Cross-sectional survey to assess the prevalence of arboviruses
Dates	26th April to 16th December 2018
Survey method	Cross-sectional survey was conducted. In each village, a central sampling location was set up and all residents over the age of 5 years were invited to participate. Each participant provided informed written consent, completed the patient questionnaire and provided a blood sample.
Provinces	Honiara City Council, Guadalcanal, Isabel and Malaita

Data dictionary for final data table *(this table has merged records the results of the patient questionnaire and the laboratory results)*

Parameter	Type	Details
Barcode	Text	Unique barcode label for the patient
Date	Date/Time	Date
Site	Select_one	Province
Village	Select_one	Village name
Sex	Select_one	The sex of each patient
Temperature	Decimal	Tympanic temperature
Age_Years	Integer	Age in years
FeverHistory	Select_one	Fever history in the past 2 weeks
TravelHistory_Domestic	Select_one	The travel history in the past 2 weeks
TravelWhere_Province	Text	If travelled, which province
TravelHistory_International	Select_one	The international travel history of each patient
TravelWhere_Country	Text	If travelled, which country
BednetUse	Select_one	The use of a bednet on the previous night
OtherMosquitoControl	Select_multiple	The use of other kinds of mosquito control on the previous night
MalariaHistory	Select_one	Records if the responded recalls ever being diagnosed with malaria
MalariaHistoryTime	Select_one	Timeframe for last malaria infection for each patient
MedicineUse	Select_one	The use of antimalarials by each patient in the past 2 weeks
DrugsTaken	Select_multiple	Records which anti-malarials were taken in the past 2 weeks
Dengue.virus	Select_one	Final ELISA result
Zika.virus	Select_one	Final ELISA result
Ross.River.virus	Select_one	Final ELISA result
Chikungunya.virus	Select_one	Final ELISA result
Den.450.650nm	Decimal	Raw wavelength reading at 450 nm/650 nm
Den.Index	Decimal	Calibrated wavelength reading
Zik.450.650nm	Decimal	Raw wavelength reading at 450 nm/650 nm
Zik.Index	Decimal	Calibrated wavelength reading
RRV.450.650nm	Decimal	Raw wavelength reading at 450 nm/650 nm
RRV.Index	Decimal	Calibrated wavelength reading
Chik.450.650nm	Decimal	Raw wavelength reading at 450 nm/650 nm
Chik.Index	Decimal	Calibrated wavelength reading

Data dictionary for GIS Locations table *(this table records the location of the villages)*

Parameter	Type	Details
Province	Text	Province
Village	Text	Village
Latitude	Number	Latitude in decimal degrees
Longitude	Number	Longitude in decimal degrees