

POHNPEI COMMUNICABLE DISEASE WEEKLY BULLETIN



REPORTING FOR WEEK: 10 (March 4-10, 2019)

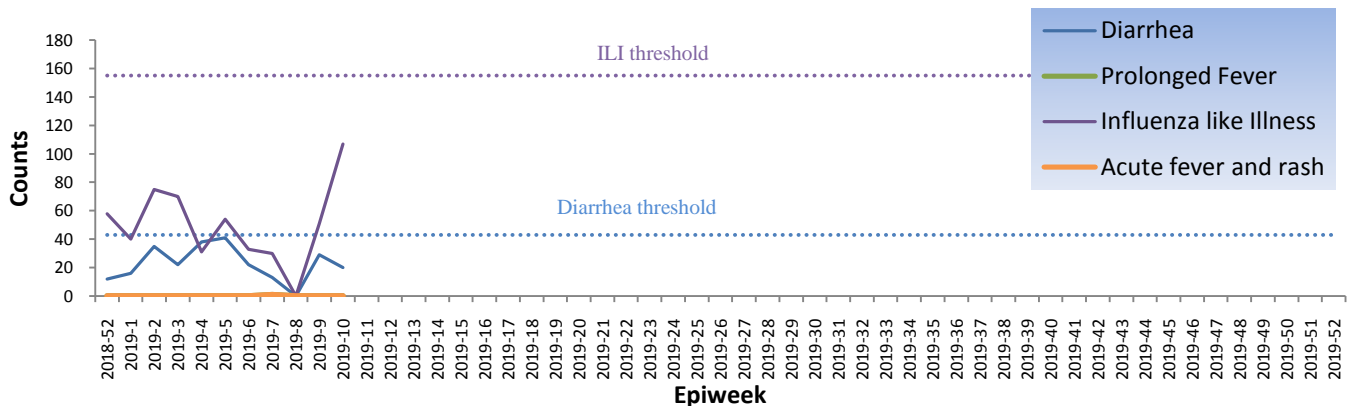


BACKGROUND

Communicable Disease Surveillance System (CDSS) in Pohnpei State is used to detect disease outbreaks early and respond to them quickly. Data from sentinel sites (hospitals and dispensaries) are collected on four syndromes (acute fever and rash, prolonged fever, influenza-like illness, and diarrhea) which cover major outbreak-prone infectious diseases that are important to Pohnpei. Additionally, notifiable disease reports, PacNet reports, event based reports also feeds into this report. This functional and timely infectious disease surveillance system is used in all 4 FSM states and over 20 Pacific countries.

WEEKLY SURVEILLANCE DATA, 2019

The number of cases by weeks and sentinel sites are provided in the graphs and tables below.



New Syndrome Cases by Week: Pohnpei, FSM 2019

SYNDROMES	Last Week (9)	This Week (10)	Threshold for Action* (State-wide)	Trends by proportion
Influenza-like illness	51 (2.9%)**	107 (5.4%)**	≥155	Increased
Diarrhea	29 (1.7%)**	20 (1%)**	≥43	Decreased
Acute fever and rash	0	0	≥1	No change
Prolonged fever	0	0	≥1	No change

*Thresholds were recalculated on January 12, 2018 based on syndromes from the last six months of 2017 ** proportion of syndromes to all encounters

New Syndrome cases by Sentinel Sites: Pohnpei, FSM , 2019

	PSH	Genesis	CHC	Pohnlangas	Lukop	Wone	Sokehs	Medphar m	Total
No. of encounters	655	383	581	129	125	0	47	61	1981
No. of syndromes	110 (87%)	2	11	0	3	0	1	0	127 (6.4%)*
AFR	0	0	0	0	0	0	0	0	0
Diarrhea	12	2	5	0	0	0	1	0	20
ILI	98	0	6	0	3	0	0	0	107
Prolonged Fever	0	0	0	0	0	0	0	0	0

Abbreviations: NR, No Report; CHC, Pohnpei Community Health Center; PSH, Pohnpei State Hospital; BCHC, Berysin's CHC; PFHC, Pohnpei Family Health Clinic; AFR, Acute fever and rash; and ILI, Influenza like-illness.

Syndromic Data Interpretation

- 8/8 sentinel sites reported this week. Syndromes accounts for 6.4% (1.8% increased from previous week). 87% of all syndromes are from Pohnpei State Hospital.
- Influenza-like illness accounts for 5.4% (increased 2 folds from previous week). The increase had occurred mainly at the State hospital accounting for 5% of encounters. Concurrent testing on multiplex array (Biofire) showed influenza A (H3) and (H1).
- Diarrhea accounts for 1% (.7% less than previous week) of all encounters.

New Laboratory Confirmed Reportable Disease Cases for Week 10: Pohnpei, FSM 2019

TESTS	POSITIVE
HIV	0
HAV	0
HCV	0
Leptospirosis	0
TB (AFB/Xpert)	0
Leprosy (AFB)	0
Gonorrhoea (Grams)	0
Neisseria gonorrhoea (GeneXpert)	2
Salmonella typhi	0
Shigella flexneri	0
MDROs	
ESBL	0
MRSA	0

LOCAL and REGIONAL COMMUNICABLE DISEASE NEWS

Dengue

- **New Caledonia** has reported 1,535 cases of dengue, including one death, between 1 January and 12 March. [[source](#)]

Measles

- Measles cases continues to be reported from the **Philippines**, with a total of 18,553 cases including 280 deaths reported in 2019 through 7 March 2019. [[source](#)]
- There have been 28 confirmed cases and 12 suspected reported from Canterbury, **New Zealand**. [[source](#)]
- Increasing immunisation coverage, targeted risk communication to public and strengthening of early warning surveillance systems is recommended.
- WHO has published a [Q&A](#) and measles [fact sheet](#). It is important that all PICs maintain high immunisation coverage against measles (over 95% at the district level) to prevent the re-emergence and spread of this highly transmissible disease.

Event Based Surveillance: none

IMPORTANT DISEASES with CASES DEFINITIONS

- A suspected measles case definition: **Any person with fever and maculopapular rash (i.e. non-vesicular) and cough, coryza (i.e. runny nose) or conjunctivitis (i.e. red eyes)**
- A suspected polio case definition: **any case of acute-onset flaccid paralysis (AFP), including Guillain-Barré syndrome, in a person under 15 years of age for any reason other than severe trauma, or paralytic illness in a person of any age in which polio is suspected.** The classification “suspected case; is temporary. It should be reclassified as “probable” or discarded” within 48 hours of notification
- A suspect mumps case definition: **Localized swelling near the jaw or ear that is not explained by a more likely diagnosis. OR travel history off-island to places with known mumps outbreaks within 3 weeks before onset of symptoms. OR contacts of mumps cases with fever or body aches**
- A suspected zika case definition: **Rash AND/OR Fever AND any retro-orbital pain, arthritis, non-purulent conjunctivitis, body aches, edema, headache or malaise.**
- A suspected dengue case definition: **An acute fever that last more than 2 days with two or more of the following: anorexia and nausea, aches, and pains, rash, low WBC count (<4000/ml). Warning signs: abdominal pain, vomiting, mucosal bleed/petechiae, lethargy, clinical fluid accumulation, enlarged liver.**

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