

POHNPEI COMMUNICABLE DISEASE WEEKLY BULLETIN



REPORTING FOR WEEK: 49 (December 3-9, 2018)

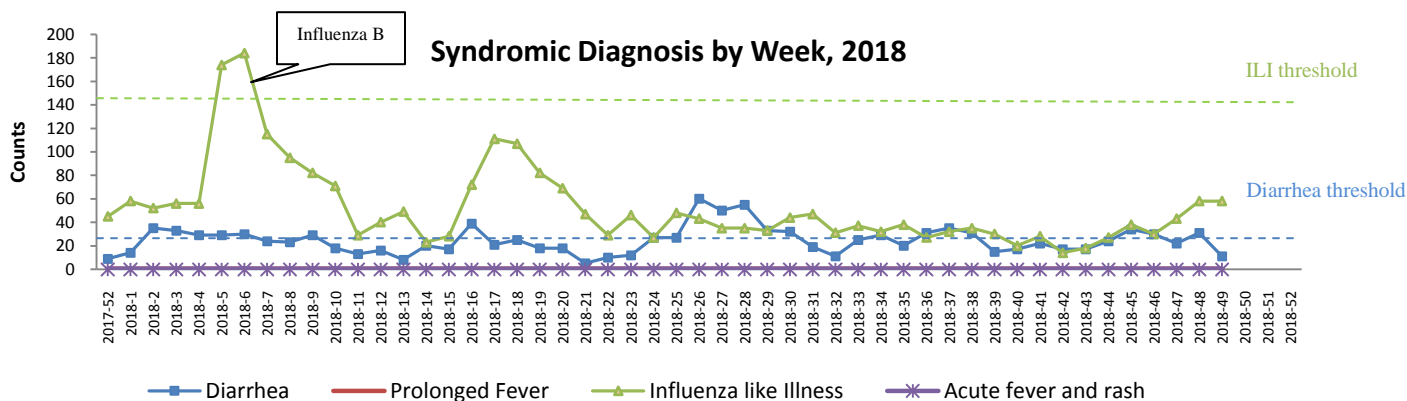


BACKGROUND

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

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



New Syndrome Cases by Week: Pohnpei, FSM 2018

SYNDROMES	Last Week (48)	This Week (49)	Threshold for Action* (State-wide)	Trends by proportion
Influenza-like illness	58 (2.9%)**	58 (4.6%)**	≥155	increased
Diarrhea	31 (1.6%)**	11 (0.9%)**	≥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 , 2018

	PSH	Genesis	CHC	Pohnlangas	Lukop	Wone	Sokehs	Medpharm	Total
No. of encounters	524	369	0	82	99	78	69	25	1246
No. of syndromes	63 (91%)	0	0	2	3	0	1	0	69 (5.5%)**
AFR	0	0	0	0	0	0	0	0	0
Diarrhea	6	0	0	2	2	0	1	0	11
ILI	57	0	0	0	1	0	0	0	58
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.

New Laboratory Confirmed Reportable Disease Cases for Week 49: Pohnpei, FSM 2018

TESTS	TOTAL
HIV	0
TB (AFB & Gene X-pert)	0
GONORRHEA (GRAMS)	0
N. GONORRHEA (GeneXpert)	0
LEPTOSPIRA	0
DENGUE	0
HEPATITIS A	0
HEPATITIS C	0
INFLUENZA	0
SALMONELLA	0
SHIGELLA FLEXNERI	0

ANTIMICROBIAL RESISTANCE SURVEILLANCE

MDRO TYPE	ORGANISM	This week	YTD
Extended Spectrum Beta Lactamase (ESBL)	Klebsiella pneumoniae	1	5
Vancomycin Resistant Organisms (VRO)	Escherichia coli	0	4
	Enterococcus faecium	0	0
	Staphylococcus aureus	0	0
MRSA	Staphylococcus aureus	0	7
Acinetobacter baumannii	Enterobacter	0	1

LOCAL and REGIONAL COMMUNICABLE DISEASE NEWS

The Pohnpei State Immunization Program is administering 2018/2019 flu vaccines to individuals age 3 years and older. Vaccination is being offered at the Immunization program at Pohnpei Public Health and the dispensaries. Get your flu shot today and have your family vaccinated to prevent the dreadful flu. You can contact the immunization program at 320-3144 for more information.

The diarrhea outbreak in **Yap State** is subsiding since the onset on September 4th, 2018. Majority of cases are children under 4 years of age. To date, no death has been reported. Laboratory testing at CDC confirms norovirus, typing are still being processed. Sitrep #2 is forthcoming from Yap.

Dengue:

An outbreak was declared by the **Republic of Palau** on 7 December 2018 following the first ever laboratory confirmation of two cases with dengue serotype-3. Source: Palau Ministry of Health.

Event Based Surveillance: No report

Syndromic Data Analysis

- 8/8 sentinel sites reported this week. Syndromes accounts for 5.5% of all encounters and below thresholds for response. 91% of all syndromes are from Pohnpei State Hospital.
- Influenza-like illness accounts for 4.6% of all encounters (1.7% increased from previous week).
- Diarrhea accounts for 0.9% of all encounters (0.7% decreased from previous week).

IMPORTANT DISEASES with CASES DEFINITIONS

- 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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