### American Samoa UHC Zika & Dengue Situation Report
(April 22 - 28, 2018)

#### Activity Updates and Resource Needs

**Epidemiology**

**Activities & General Updates**
- Am. Samoa have not seen any ZIKV PCR positive cases since June 2016.
- Continue to see a decline in the ratio of samples that test positive for Dengue Virus infection.
- Am. Samoa continuing with weekly Unified Health Command meeting to update key leaders and inter departmental/agency partners.
- Outbreak has been going on for 1 year (March 2017 – Present), Hawaii State Lab was asked to conduct serotyping on randomly selected serum samples from November 2017 – February 2018, only Dengue 2 was detected.
- Epidemiologist and ELC Program Director returned from ELC Programs meetings in Atlanta.
- Am. Samoa gearing up for a campaign to eliminate Lymphatic Filariasis in Am. Samoa. In partnership with PIHOA, CDC, and WHO.

**Next Steps**
- Submit a request to CDC to have the Career Epidemiology Field Officer: USAPI, work in Am. Samoa for a 4-week period to assist with re-establishing syndromic and notifiable disease surveillance
- Re-establish relations with LBJ regarding infectious disease control.

**Resource Needs/Requests of PHEP**
- Assist with request letter to CDCs Field Services Branch, Division of State and Local Readiness.

**Laboratory Testing**

**Activities & General Updates**
- April 23, 2018, 40 Serum samples from symptomatic patients sent to Hawaii State Lab (HSL) for testing. (Selection criteria: Any two symptoms of fever, rash, arthralgia, myalgia, headache, conjunctivitis)
- April 23: Hawaii State Lab released results for 40 samples tested via Trioplex PCR Assay (16 PCR Positive for Dengue 2 infection, 24 Negatives for ZIKV, DENV, CHKV infection.

- From November 1, 2016 to April 28, 2018:
  - 779 Dengue PCR positives (Hawaii State Lab)
  - 26 Dengue PRNT positives (CDC Lab, Ft. Collins)
  - 62 Rapid Dengue Test kits: positive NS1 antigen (LBJ Lab)
  - Total: 867 Laboratory Confirmed cases document in the Cumulative Shipped List

**Next Steps**
- N/A

**Clinical Support**

**Activities & General Updates**
- N/A

**Next Steps**

**Health Communications**

**Activities & General Updates**
- Radio PSA reviewed and passed for broadcast at KSBS in English and Samoan. Add will run twice a day for three weeks.
- PHEP continues to broadcast ads on the electronic billboard.

**Next Steps**
- N/A

**Vector Control**

**Activities & General Updates**
- Conversations to focus spraying in villages in the Lealataua and Vaifanua counties initiate.
Next Steps

- Resource Needs/Requests of PHEP

<table>
<thead>
<tr>
<th>Management/General Logistics</th>
</tr>
</thead>
</table>

Activities & General Updates

- All response activities are managed by the Public Health Emergency Preparedness Division of the Department of Health.
- Weekly Updates are provided by the local Epidemiologist

Next Steps

- Resource Needs/Requests of PHEP

Epidemiologic data for American Samoa-UHC Weekly Report – Week ending April 28, 2018

1. Epidemic Curve

![Epidemic Curve Graph]

Counts of Laboratory Confirmed Symptomatic Dengue patients per week from by week of symptom onset, November 2016 - April 2018, Am. Samoa Dengue Outbreak Response, April 28, 2018

Total Laboratory Confirmed cases: 867

Week ending of Year
Attack Rates by County (per 1000 individuals)

Tutuila Island: Attack rate (per 1000) by County

- Lealatau: 16.0
- Ma'oputasi: 14.1
- Leasina: 13.3
- Ituau: 14.2
- Tualatai: 14.6
- Tualauta: 19.9
- Sua: 14.4
- Sa'ole: 9.1
- Vaifanua: 10.5

Total Attack Rates: 14.3