American Samoa UHC Zika & Dengue Situation Report  
(Aug 1 – Aug 18, 2018)

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### Activities & General Updates
- Am. Samoa have not seen any ZIKV PCR positive cases since June 2016. From Aug 1 – Aug, Hawaii State Lab released results for 81 samples tested via ZIKA IgM MAC ELISA, 13 were tested positive. Positive serology tests (IgM) for ZIka was discussed and has been agreed to monitor PCR positive results.
- Am. Samoa continue to see a decline in the ratio of samples that test positive for Dengue Virus infection. For Epi Weeks 30 to 32, there was an average of 3 positive Dengue cases per week.
- Because of the decline of Dengue numbers, Am. Samoa has moved the Unified Health Command meeting to a bi-weekly schedule. Unified Health Command meeting are held to update key leaders and inter departmental/agency partners regarding the ongoing Dengue 2 outbreak.
- Syndromic and Notifiable Diseases surveillance is now active. The Epidemiology/Lab Capacity Office will be responsible for these surveillance systems and reporting.
- **Am. Samoa gearing up for a campaign to eliminate Lymphatic Filariasis in Am. Samoa. In partnership with PIHOA, CDC, and WHO.** ELC personnel are involved in the LF Committee core group. Mass Drug Administration information training for Am. Samoa DOH is scheduled for September 11, 2018.

### Next Steps
- N/A

### Resource Needs/Requests of PHEP/ELC
- N/A

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### Activities & General Updates
- From Aug 1 – 18, 2018, 38 serum samples were sent to Hawaii State Lab for Trioplex PCR testing for Zika, Dengue, and Chikungunya (Selection criteria: Any two symptoms of fever, rash, arthralgia, myalgia, headache, conjunctivitis)
- Hawaii State Lab released results for **70 samples tested via Trioplex PCR Assay** (12 PCR Positive for Dengue 2 infection, all negative for ZIKV, CHKV infection).
- Hawaii State Lab released results for **81 samples tested via Zika MAC ELISA assay** 13 tested IgM positive for ZIKV infection.
- Hawaii State Lab released results for Dengue serotyping. Only Dengue Type 2 detected among all PCR positive samples.
- From November 1, 2016 to August 18, 2018:
  - **920 Dengue PCR positives** (Hawaii State Lab)
  - **117 Rapid Dengue Test kits: positive NS1 antigen** (LBJ Lab)
  - **35 PRNT Positive**
  - **Total: 1072 Laboratory Confirmed cases document in the Cumulative Shipped List**

### Next Steps
- N/A

### Resource Needs/Requests of PHEP/ELC
- N/A
Epidemiologic data for American Samoa-UHC Weekly Report – August 1 - 18, 2018

Counts of Laboratory Confirmed Symptomatic Dengue patients per week, by week of symptom onset, November 2016 - August 2018, Am. Samoa Dengue Outbreak Response, August 18, 2018

Sum of Hospitalized
Number of patients, with serum sample sent to Hawaii State Lab for Trioplex rt-PCR testing, hospitalized from September 2015 - August 2018, by Sex, Am. Samoa Zika/Dengue Response, August 18, 2018
Attack Rates by Village (per 1000 individuals)

Tutuila Island: Attack rates (per 1000) by Village

Manu'a District: Attack rates (per 1000)