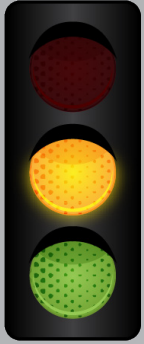




CURRENT WEEK



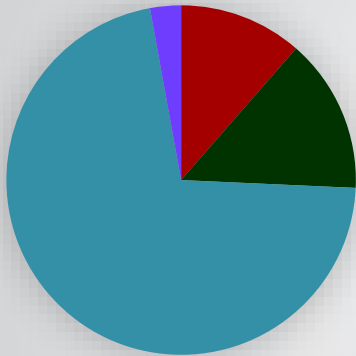
Surveillance Item of Note:

- **Four of seven samples tested by NHRC collected from MCRD San Diego tested positive for Norovirus GII.**
- **The Quidel Sofia™ rapid influenza diagnostic test performed well in NHRC surveillance during the 2017-18 season. More information below.**

FEBRILE RESPIRATORY ILLNESS CASES:

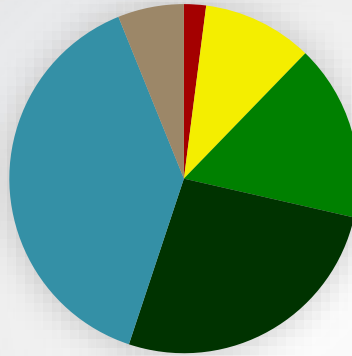
3/18/18 – 3/31/18

Military Recruits



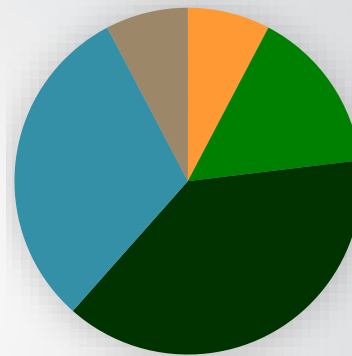
N= 35 pos./83 tested

CDC-BIDS (Border)



N= 49 pos./110 tested

DoD Beneficiaries



N= 13 pos./31 tested

- Adenovirus
- Flu A/H1
- Flu A/H3
- Flu B/Victoria
- Flu B/Yamagata
- Rhinovirus
- RSV
- M. pneumoniae
- C. pneumoniae

AGE RECRUIT SURVEILLANCE:

3/1/18 – 3/31/18

13 of 19 samples collected have completed testing:

- Ft. Leonard Wood (4/4), MCRD San Diego (7/10), and MCRD Parris Island (2/5).
- Four of the seven samples tested from MCRD San Diego were positive for NoV GII. Sequencing identified these as strain GII.P16-GII.2 OH16002-Vaals. One sample was identified as EPEC during week 10.
- One NoV GI was identified at Ft. Leonard Wood with sequencing underway. All others were negative for Norovirus, *Salmonella*, *Campylobacter*, and *Shigella*.

US SPECIAL FORCES: 3/18/18 – 3/31/18

Three samples were collected from a San Diego warfare training school.

- All samples tested negative for Adenovirus, influenza, rhinovirus, RSV, *M. pneumoniae*, and *C. pneumoniae*.

NOTEWORTHY:

- FRI cases from US-Mexico border area clinics were also tested onsite with the Quidel Sofia™ rapid influenza diagnostic test.
- Results were compared to NHRC PCR results for 862 samples (26% Flu A and 19% Flu B) to determine sensitivity and specificity for the 2017-18 influenza season.
- Sensitivity and specificity were 86% and 98%, respectively, for Flu A and 89% and 93% for Flu B. Negative predictive values were 93% and 96% for Flu A and B, respectively.

FRI Recruit surveillance sites: Ft. Benning, Ft. Jackson, Ft. Leonard Wood, NRTC Great Lakes, MCRD San Diego, MCRD Parris Island, Lackland AFB, CGTC Cape May
Acute Gastroenteritis (AGE) Recruit surveillance sites: Ft. Leonard Wood, NRTC Great Lakes, MCRD San Diego, MCRD Parris Island
CDC Border Infectious Disease Surveillance and Zika Surveillance sites: Clinica de Salud del Pueblo Brawley, Clinica de Salud del Pueblo Calexico, Clinica de Salud del Pueblo El Centro, San Ysidro Health Center, Brawley Pioneers Memorial Hospital, El Centro Regional Medical Center, Sharp Chula Vista Medical Center, Mexicali General Hospital
DoD Beneficiaries surveillance sites: Branch Health Clinic Yuma/Marine Corps Air Station Yuma, Naval Hospital Camp Pendleton (NHCP), Captain James A Lovell Federal Health Care Center (Naval Hospital Great Lakes), Robert E. Bush Naval Hospital Twenty Nine Palms (RBNH), Naval Training Center San Diego (NTC), Naval Medical Center San Diego (NMCS), Naval Branch Health Clinic Kearny Mesa (NBHCKM), Naval Hospital Lemoore (NHL), Naval Hospital Yokosuka (NHY), Naval Branch Health Clinic Naval Base San Diego (NBSD)