



CURRENT WEEK



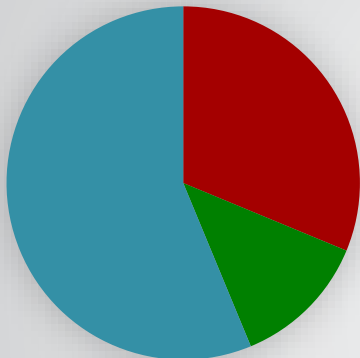
## Surveillance Items of Note:

- **Two influenza B/Victoria cases presented recently at Fort Leonard Wood.**
- **One sample collected from a clinic near the US-Mexico border has tested positive for Enteroinvasive *E. coli* (EIEC).**

## FEBRILE RESPIRATORY ILLNESS CASES:

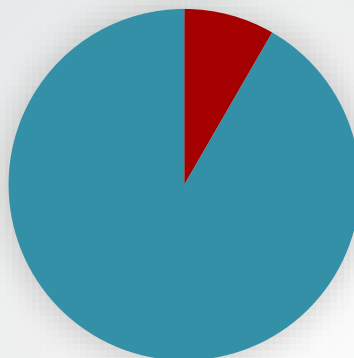
4/29/18 5/12/18

### Military Recruits



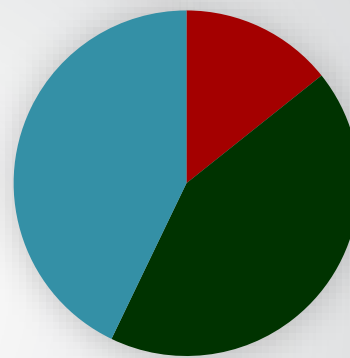
N= 16 pos./41 tested

### CDC-BIDS (Border)



N= 12 pos./50 tested

### DoD Beneficiaries



N= 7 pos./19 tested

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

## AGE RECRUIT SURVEILLANCE: 4/15/18 5/12/18

13 of 15 samples collected have completed testing:

- Ft. Leonard Wood (5/7), MCRD San Diego (5/5), and MCRD Parris Island (3/3).
- All samples were negative for Norovirus, *Salmonella*, *Campylobacter*, and *Shigella*.

## SPECIMEN SPOTLIGHT:

- NHRC identified an Enteroinvasive *E. coli* (EEIC) case from a clinic near the US/Mexico border.
- EEIC is a pathogenic form of *E. coli* that can cause dysentery. It has many similar properties to *Shigella* and historically been difficult to differentiate.<sup>1</sup>

<sup>1</sup> Lan R, Alles MC, Donohoe K, Martinez MB, Reeves PR. Molecular Evolutionary Relationships of Enteroinvasive *Escherichia coli* and *Shigella* spp. *Infection and Immunity*. 2004;72(9):5080-5088. doi:10.1128/IAI.72.9.5080-5088.2004.

## NOTEWORTHY:

- NHRC participates in CDC surveillance programs for influenza, adenovirus, enterovirus, other respiratory pathogens, and norovirus. Individual, de-identified NHRC laboratory results are transmitted to CDC for inclusion in these programs on a weekly to quarterly basis. Some of these programs include CDC FluView, NATRS, NESS, NREVSS, and CaliciNet. More information below.

- FluView for national influenza surveillance: <https://www.cdc.gov/flu/weekly/>
- National Adenovirus Type Reporting System (NATRS): <https://www.cdc.gov/adenovirus/reporting-surveillance/natrs/index.html>
- National Enterovirus Surveillance System (NESS): <https://www.cdc.gov/surveillance/ness/index.html>
- National Respiratory and Enteric Virus Surveillance System (NREVSS): <https://www.cdc.gov/surveillance/nrevss/index.html>
- CaliciNet for national norovirus outbreak surveillance: <https://www.cdc.gov/norovirus/reporting/calicinet/index.html>

**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 (NBCKM), Naval Hospital Lemoore (NHL), Naval Hospital Yokosuka (NHY), Naval Branch Health Clinic Naval Base San Diego (NBSD)