**Surveillance Items of Note:**

- FRI and AGE rates remain at or below expected values.
- NHRC initiated surveillance at four new sites. Please see below for details.

**FEBRILE RESPIRATORY ILLNESS CASES**

<table>
<thead>
<tr>
<th>Description</th>
<th>6/24/18 – 7/7/18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Recruits</td>
<td></td>
</tr>
<tr>
<td>CDC-BIDS (Border)</td>
<td></td>
</tr>
<tr>
<td>DoD Beneficiaries</td>
<td></td>
</tr>
</tbody>
</table>

**FRI and AGE rates**

- FRI rates remain at or below expected values.
- AGE surveillance at Fort Leonard Wood, NRTC Great Lakes, MCRD San Diego, and MCRD Parris Island.

**NHRC Beneficiary Surveillance Sites**

- Branch Health Clinic Yuma/Marine Corps Air Station Yuma
- Naval Hospital Camp Pendleton
- Captain James A Lovell Federal Health Care Center (Navy Hospital Great Lakes)
- Robert E. Bush Naval Hospital
- Twenty Nine Palms
- Naval Training Center San Diego
- Naval Medical Center Portsmouth
- Boone Branch Health Clinic

**For more information please contact:** nhrc-fri-surveillance@mail.mil

### NOTEWORTHY

NHRC recently launched febrile respiratory illness surveillance in DoD beneficiary populations at the following sites:

- Naval Medical Center Portsmouth, VA (6/1/18)
- Boone Health Clinic Portsmouth, VA (6/1/18)
- Naval Branch Health Clinic, Naval Training Center San Diego, CA (7/18/18)
- Naval Health Clinic Lemoore, CA (7/19/18)

### NHRC Influenza Vaccine Effectiveness in Outpatients, 2017-18 Season

- NHRC used FRI surveillance data to estimate influenza vaccine effectiveness (VE).
- For the 2017-18 season, we saw moderate (H3) to good (flub) adjusted VE in the Tricare beneficiary and U.S.-Mexico border civilian populations, which were almost exclusively in southern California. See chart to the right for specifics.

#### Chart

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Flu Positive N (% Vaccinated)</th>
<th>Flu Negative N (% Vaccinated)</th>
<th>Adjusted Analysis*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VE (95% CI)</td>
<td>p-value</td>
<td></td>
</tr>
<tr>
<td>Overall VE</td>
<td>452 (16)</td>
<td>626 (36)</td>
<td>63 (50-73)</td>
</tr>
<tr>
<td>Subtype</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flu A/H3</td>
<td>210 (21)</td>
<td>626 (36)</td>
<td>52 (28-68)</td>
</tr>
<tr>
<td>Flu B</td>
<td>222 (13)</td>
<td>626 (36)</td>
<td>71 (55-81)</td>
</tr>
<tr>
<td>B/Victoria</td>
<td>95 (12)</td>
<td>626 (36)</td>
<td>74 (49-86)</td>
</tr>
<tr>
<td>B/Yamagata</td>
<td>127 (14)</td>
<td>626 (36)</td>
<td>69 (47-82)</td>
</tr>
</tbody>
</table>

*Adjusted for age group, study population, and calendar period

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**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, Captain James A Lovell Federal Health Care Center (Naval Hospital Great Lakes), Robert E. Bush Naval Hospital Twenty Nine Palms, Naval Training Center San Diego, Naval Medical Center San Diego, Naval Branch Health Clinic Kearny Mesa, Naval Hospital Lemoore, Naval Hospital Yokosuka, Naval Branch Health Clinic Naval Base San Diego, Naval Medical Center Portsmouth, Boone Branch Health Clinic Portsmouth

For more information please contact: nhrc-fri-surveillance@mail.mil