Surveillance Items of Note:

- Recent influenza clusters at basic training centers in San Diego (A/H3) and New Jersey (B/Victoria) among recently arrived trainees who had been vaccinated < 14 days prior.
- Continued influenza and RSV cases in border and DoD beneficiary populations in Southwest US.

FEBRILE RESPIRATORY ILLNESS CASES:

<table>
<thead>
<tr>
<th>Military Recruits</th>
<th>CDC-BIDS (Border)</th>
<th>DoD Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>N= 7 pos./12 tested</td>
<td>N= 98 pos./168 tested</td>
<td>N= 19 pos./37 tested</td>
</tr>
</tbody>
</table>

AGE RECRUIT SURVEILLANCE: 12/31/17 1/27/18

6 of 8 samples collected have completed testing:

- Ft. Leonard Wood (2), NRTC Great Lakes (0), MCRD San Diego (0), and MCRD Parris Island (6).
- Four of six samples from MCRD Parris Island were positive for Norovirus type G.II. All other samples tested negative.

US Special Forces: 1/14/18 1/27/18

- One out of three samples collected was positive for influenza A/H3 at a San Diego warfare training school.

Yearly Influenza Rates: DoD Beneficiary ILI Surveillance

Noteworthy:

- Twelve influenza B/Victoria specimens from border cases all had HA segment sequences that belonged to the genetic clade V1A, similar to the current B/Victoria vaccine strain. Ten of the twelve (83%) HA segments were further classified into a newly emerging subclade containing a six nucleotide deletion at amino acid positions 162 and 163, which correlates with antigenic dissimilarity to, and lack of protection by, the current vaccine strain.