Summary

Influenza activity is at or below baseline estimates. Severity indicators remain low for current cases. Minimal impact on active duty service members; active duty vaccination continues to increase week to week.

Influenza Activity and Surveillance

Laboratory:
Nine laboratory positive influenza cases were identified during Week 41, below baseline. More

Antivirals (AVs):
27 AV medications were dispensed in Week 41, within one standard deviation of baseline. More

Influenza-Like Illness (ILI):
Overall, 3.2% of outpatient medical encounters were due to ILI, comparable to baseline. More

Severity Indicators

Inpatient:
This week, the percent of inpatient laboratory positive cases and inpatient antiviral prescriptions were below baseline. There were no inpatient cases reported to DRSi. More

Coinfections:
One bacterial coinfection has been identified among laboratory positive cases this season. More

Select Populations

Active Duty & Recruits:
In Week 41, one laboratory positive cases and three AV prescriptions dispensed were among active duty personnel. There were no laboratory positive tests or AV prescriptions dispensed to recruits. More
NHRC reports febrile respiratory illness (FRI) rates were at or below expected value during Week 40 at MCRD San Diego, MCRD Parris Island, and NRTC Great Lakes. More

Children:
The rate of influenza positive laboratory cases and influenza specific AV prescriptions in children remains low. More

Vaccination Rates

Active duty only
Navy: 33.4%
Marine Corps: 15.6%
US Fleet Forces: 40.6%

More

Source: MRRS, current as of 19 Oct 2015.

Contact Information: Email ~ On the Web: http://go.usa.gov/DtUC
Case Identification
The overall burden of influenza in the DON is estimated by combining three major sources of data: certified laboratory results, antiviral pharmacy transactions, and medical encounters with influenza-specific diagnoses.

- This week, there were 33 DON cases identified in one or more data sources; pharmacy records included the majority of these cases (81.8%). None of this week’s cases were identified in all three sources.
- Since Week 39, there have been 123 DON cases identified in these data sources.

Laboratory Case Frequencies
- Nine laboratory positive influenza cases were identified during Week 41 (7 type A, 2 type B), below baseline.
  - Three cases were identified at NHC Hawaii this week, the remainder were identified at five separate facilities.
- Since Week 39, 22 laboratory positive cases were identified among DON beneficiaries. Top four facilities: NMC San Diego (4), AMC-Tripler Shafter (3), NH Lemoore (3) and NHC Hawaii (3).

Specimen Positivity
- 4.1% of all influenza specimens tested during Week 41 were positive, lower than last season (5.1%).
- NH Pensacola, NH Bremerton, NH Camp Lejeune, and NMC San Diego each tested more than 10 specimens and had one positive result; NHC Hawaii tested six specimens and had four positive results.

Antivirals
- Twenty-seven antiviral prescriptions were dispensed during week 41, within one standard deviation of baseline.
  - Top two facilities this week: AMC-Tripler Shafter (5), NHC Hawaii (3).
  - Since Week 39, the majority (97.6%) of prescriptions were for Oseltamivir.
Inpatient Laboratory

- None of the 31 specimens tested for influenza in the inpatient setting were positive this week.

Inpatient Pharmacy

- Two (7.4%) AV prescriptions during Week 41 were in the inpatient setting (below baseline).
  - This week’s cases were a spouse and a non-active duty sponsor aged 45+ at WRNMMC and Ft. Belvoir.

Influenza-Associated Hospitalization Reports

- There were no influenza-associated hospitalizations reported to DRSi this week.

Coinfections

- One coinfection was been identified among DON laboratory positive influenza patients so far this season.
  - The co-infected case this week was identified in an outpatient setting as a lower respiratory *Mycobacterium* infection.
Active Duty

- One laboratory positive influenza case (Type B) was identified among an active duty service member in Week 41 at NH Pensacola.
  - This case received an inactive influenza vaccine (injection) more than 14 days prior to infection.
- There were three AVs dispensed (all Oseltamivir) to active duty service members during Week 41 at three facilities, including NH Camp Pendleton, NMC San Diego, and WRNMMC.

Recruits

- There were no laboratory positive influenza cases among recruits in Week 41.
- There were no AVs dispensed during Week 41 to recruits.

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<thead>
<tr>
<th>Number of DON Active Duty and Recruit Cases since Week 39, 2015-2016 Season</th>
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<tbody>
<tr>
<td>Case Type</td>
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<tr>
<td>Laboratory Positive</td>
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<td>AV Prescriptions</td>
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Children

- The rate of laboratory positive influenza cases remains low for all age groups. The highest rate during Week 41 was the 5-17 age group (1.4 per 100,000).
- Five laboratory positive influenza cases were identified among children during Week 40, above baseline estimates.
  - One child 0-4 and four children 5-17 were identified in outpatient settings at five separate facilities.
- The rate of AV prescriptions remains low for all age groups. Zero prescriptions were dispensed to age group 0 to 4 years, and all other age categories ranged from 0.4 to 0.8 per 100,000.
- There were six AV dispensed to children ages 5-17 years during Week 41, slightly above baseline estimates for children.
  - The six prescriptions were dispensed at AMC Tripler-Shafter (3), NHC Hawaii (2), and 460th Med Grp-Buckley AFB (1).

In the News

- A study of hospital admission for severe acute respiratory infections (SARI) in military personnel found that recent flu vaccination lowered the risk of severe disease. More
- The first CDC seasonal influenza surveillance reports overall activity is low, with H3N2 as the dominant strain. More