Summary

Laboratory influenza activity below baseline and pharmacy activity above baseline but within one standard deviation. Four of the seven laboratory identified cases this week were among active duty personnel at two locations; overall impact for active duty personnel remains minimal and vaccination continues to increase week to week.

Influenza Activity and Surveillance

Laboratory:
Seven laboratory positive influenza cases were identified during Week 45, below baseline. More

Antivirals (AVs):
36 AV medications were dispensed in Week 45, within one standard deviation of baseline. More

Influenza-Like Illness (ILI):
Overall, 3.5% of outpatient medical encounters were due to ILI, slightly above baseline. More

Severity Indicators

Inpatient:
This week, zero inpatient laboratory positive cases and two inpatient antiviral prescriptions were identified. There were no inpatient cases reported to DRSi. More

Coinfections:
The cumulative proportion of laboratory-positive cases with a bacterial coinfection remains below baseline; zero new coinfections were identified this week. More

Vaccination Rates
Active duty only
Navy: 64.4%
Marine Corps: 44.4%
US Fleet Forces: 72.1%

View Table
Source: MRRS, current as of 16 Nov 2015.

Select Populations

Active Duty & Recruits:
In Week 45, four laboratory positive cases and 17 AV prescriptions dispensed were among active duty personnel. There was one AV prescription dispensed to recruits. More

NHRC reports febrile respiratory illness (FRI) rates were at or below expected value during Week 44 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

Contact Information: Email ~ On the Web: http://go.usa.gov/DtUC
**Laboratory Case Frequencies**

- Seven laboratory positive influenza cases were identified during Week 45 (four type A, two type B, one nonspecific), below baseline estimates.
  - Two cases were identified at NH Lemoore and two at NMC San Diego, both active duty.
  - Since Week 40, 37 laboratory positive cases were identified among DON beneficiaries. Top facilities thus far: NHC Hawaii (7), NH Camp Lejeune (4), NH Lemoore (4) and NMC San Diego (4).

**Specimen Positivity**

- 2.7% of all influenza specimens tested during Week 45 were positive, lower than last season (6.1%).
- When grouped by parent facility, eight (28.6%) locations tested more than ten specimens; only one of these facilities testing more than ten specimens reported positive results (NMC San Diego).

**Antivirals**

- 36 antiviral prescriptions were dispensed during week 45, above baseline but within one standard deviation.
  - Most common facilities this week: NMC San Diego (17), NH Pensacola (4).
  - Since Week 40, the majority (97.8%) of prescriptions were for Oseltamivir.
Inpatient Laboratory
- None of the 30 specimens tested for influenza in the inpatient setting were positive this week.

Inpatient Pharmacy
- Two (5.6%) AV prescriptions during Week 45 were in the inpatient setting (below baseline).
  - This week’s inpatient cases were dispensed amantadine and oseltamivir; they include a spouse and sponsor both over the age of 45 years at WRNMMC and 88th Med Grp-Wright Patterson.

Influenza-Associated Hospitalization Reports
- There were no influenza-associated hospitalizations reported to DRSi this week; only one has been reported since Week 40.

Coinfections
- The percent of cases with bacterial coinfections this season (2.7%) remains below baseline (3.9%).
- There were no new coinfections identified during week 45.

<table>
<thead>
<tr>
<th>Coinfections by Respiratory Source</th>
<th>Lab Cases with Bacterial Coinfection</th>
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<tbody>
<tr>
<td>Upper Respiratory</td>
<td>Lower Respiratory</td>
</tr>
<tr>
<td>Current Season</td>
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</tr>
<tr>
<td>Cumulative Baseline</td>
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</tbody>
</table>
Active Duty

- Four laboratory positive influenza cases were identified in active duty Navy service members during Week 45 at NH Lemoore (both Type B) and NMC San Diego (both Type A). Both were in outpatient settings.
  - One case received an inactive influenza vaccine (IIV) more than 14 days prior to infection; the other three had no record of vaccination.
  - 17 active duty service members (17 Navy) were dispensed Oseltamivir during Week 45; 12 of these were at NMC San Diego.

Recruits

- There were no laboratory positive influenza cases among recruits in Week 45.
  - One AV was dispensed to a recruit during Week 45 at NMC San Diego.

Children

- The rate of laboratory positive influenza cases remains low for all age groups.
- Two laboratory positive influenza cases were identified among children during Week 45, below baseline estimates for children.
  - Both children were between the ages 5-17 in outpatient settings at NHC Hawaii and NH Guam.

- The rate of AV prescriptions remains low for all age groups.
- There were four AVs dispensed to children during Week 45, equal to baseline estimates for children.
  - This week’s cases were all dispensed oseltamivir in outpatient settings with two children ages 0-4 and two ages 5-17 at four different facilities (17th Med Grp-Goodfellow, NH Guam, NH Pensacola, NMC Pensacola).

In the News

- High numbers of severe acute respiratory infections associated with influenza A (H1N1)pdm09 virus and RSV are being reported in Cuba. More
- Global flu activity remains low, with some increased activity in Cuba, Bahrain, Qatar, India, Laos and Thailand. More
- Nigeria reports 4 H5N1 outbreaks and South Korea reports 12 H5N8 events. More