DON Influenza SITREP
2014-2015 Influenza Season
Week 49 (30 November 2014 — 6 December 2014)

Influenza Activity and Surveillance

Laboratory:
There were 88 laboratory positive influenza results among DON beneficiaries during Week 49 (over twice the seasonal baseline). More

Antivirals:
There were 139 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (138 oseltamivir, one amantadine). Influenza-specific AV prescriptions were nearly triple the seasonal baseline. More

Influenza-Like Illness:
Overall, 4.9% of outpatient medical encounters were due to influenza-like illness (ILI); this was slightly above the seasonal baseline. More

Severity Indicators

Inpatient:
Two of the 25 inpatient influenza tests performed during Week 49 were positive. Three inpatient AV prescriptions were dispensed this week. No inpatient cases were reported to DRSi during Week 49. More

Coinfections:
There was one upper respiratory bacterial coinfections identified among DON beneficiaries during Week 49. More

Select Populations

Active Duty & Recruits:
In Week 49, five Navy and four Marine Corps active duty service members had laboratory positive influenza results. One Navy recruit in Week 49 had a laboratory positive influenza result. More

NHRC reports moderately elevated febrile respiratory illness (FRI) rate at Fort Benning. More

Children:
Laboratory influenza rates in the 0-4 and 5-17 age groups were 12.8 and 8.9 per 100,000, respectively. There were 40 AV prescriptions dispensed to children this week. This was over twice the seasonal baseline. More

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Vaccination

82.8% of Navy and 74.3% of Marine Corps active duty service members have received an influenza vaccine (as of 6 December 2014). More

Reminder: The DOD’s personnel vaccination goal is 90% vaccine coverage by 15 December 2014.
Laboratory:
- There were 88 positive laboratory influenza results identified among DON beneficiaries in Week 49 (83 Type A, four Type B, one Type A&B).
  - The number of cases this week is over twice the seasonal baseline.
- The most laboratory positive cases this week occurred at NH Camp Lejeune (28), NH Jacksonville (17), and NH Pensacola (12).
  - NH Camp Lejeune has had the most cumulative cases since week 40 (119), followed by NH Jacksonville (47), and NH Pensacola (29).
- During Week 49, 19.1% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 49 of last season (7.3%).
- In Week 49, most cases were positive by rapid testing (69.3%), followed by PCR (22.7%), and culture (8.0%).

<table>
<thead>
<tr>
<th>Proportion of Testing Types among Positive Influenza Tests</th>
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<tr>
<td>Rapid</td>
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<td>Week 49</td>
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<td>Season</td>
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Antivirals:
- There were 139 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (138 oseltamivir, one amantadine).
- Antiviral prescriptions during Week 49 were nearly triple the seasonal baseline.
- Three of the antiviral prescriptions during Week 49 were in the inpatient setting.
  - One of the patients was between 18 and 44 years old and two were above 45.
- There have been 473 AVs prescribed to DON beneficiaries this season (463 oseltamivir, 10 amantadine).
Inpatient Surveillance:
- There were 25 inpatient influenza tests performed among DON beneficiaries in Week 49; two were positive.
- Both inpatient cases were positive for Type A, female, and between 18 and 44 years old.
- Three AV medications were prescribed in the inpatient setting this week.
- No inpatient cases were reported to DRSi this week.
- During Week 43, approximately 10% of inpatient visits among DON beneficiaries included ICD-9-CM diagnostic codes for ILI, which was more than double the seasonal baseline; more current data is not yet available.

Coinfections:
- There was one bacterial coinfection identified among DON beneficiaries in Week 49.
  - One male patient over 45 years old had an upper respiratory Streptococcus infection at NHC Charleston.

Immunizations

Vaccination Coverage:
- Three of the nine laboratory-identified active duty influenza cases during Week 49 had no record of vaccination. The remaining six that were vaccinated had received IIV (injection; 4) and LAIV (intranasal; 2).
- 82.8% of Navy and 74.3% of Marine Corps active duty service members have received an influenza vaccine.
  - Among US Fleet Forces personnel, 90.4% have received an influenza vaccine.
- 82.8% of Navy and 70.3% of Marine Corps reservists have received an influenza vaccine.

Severity Indicators

Inpatient Surveillance:
- There were 25 inpatient influenza tests performed among DON beneficiaries in Week 49; two were positive.
  - Both inpatient cases were positive for Type A, female, and between 18 and 44 years old.
- Three AV medications were prescribed in the inpatient setting this week.
- No inpatient cases were reported to DRSi this week.
- During Week 43, approximately 10% of inpatient visits among DON beneficiaries included ICD-9-CM diagnostic codes for ILI, which was more than double the seasonal baseline; more current data is not yet available.
Active Duty

- There were nine laboratory positive influenza results among DON active duty service members in Week 49.
  - Five Navy and three Marine Corps service members were positive for type A influenza. One Marine Corps service member was positive for type A & B influenza.
  - Three of the nine DON active duty influenza cases had no vaccination record.
- Since Week 40, 44.1% (15) of the DON active duty laboratory positive cases were vaccinated at least 14 days prior to infection.
- Six active duty service members received AVs during Week 49.
  - Two prescriptions were dispensed to active duty Marines at NH Camp Lejeune and four to active duty Navy service members at varying locations; all received oseltamivir.

Recruits:

- One Navy recruit was positive for type A influenza at NHC Charleston in Week 49.
- There was one AV dispensed to a recruit at NHC Charleston during Week 49.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 49 were 12.8 and 8.9 per 100,000, respectively.
- There were 40 AV medications prescribed to children during Week 49. The number of AVs dispensed to children this week were over twice the seasonal baseline.

Other Age Groups:

- During Week 49, the laboratory influenza rates among the 18-44 and 45+ age groups were 3.8 and 3.2 per 100,000, respectively.

In the News

- Deadlier flu season is possible, CDC says [More]
- Flu is widespread in Illinois, with a school closing for 2 days [More]
- Evaluation of the Xpert flu rapid PCR assay in high-risk emergency department patients [More]
- What a bad flu season could cost the US economy [More]