Influenza Activity and Surveillance

Laboratory:
There were 21 laboratory positive influenza results among DON beneficiaries during Week 46 (comparable to seasonal baseline). More

Antivirals:
There were 28 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (27 oseltamivir, one amantadine). Influenza-specific AV prescriptions this week were slightly above the seasonal baseline. More

Influenza-Like Illness:
Overall, 4.3% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to the seasonal baseline. More

Severity Indicators

Inpatient:
There were 21 inpatient influenza tests performed during Week 46; two were positive. Two inpatient AV prescriptions were dispensed this week. One inpatient case was reported to DRSi during Week 46. More

Coinfections:
There were no bacterial coinfections identified among DON beneficiaries during Week 46. More

Select Populations

Active Duty & Recruits:
In Week 46, two active duty Marine Corps service members and one Navy service member had laboratory positive influenza results. No recruits in Week 46 had a laboratory positive influenza result. More

NHRC reports a moderately elevated febrile respiratory illness rate at USCG Training Center Cape May. More

Children:
Laboratory influenza rates in the 0-4 and 5-17 age groups were 3.02 and 2.39 per 100,000, respectively. There were five AV prescriptions dispensed to children this week. More

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Vaccination

72.1% of Navy and 58.1% of Marine Corps active duty service members have received an influenza vaccine (as of 15 November 2014). More

Reminder: The DOD’s personnel vaccination goal is 90% vaccine coverage by 15 December 2014.

Laboratory:
- There were 21 positive laboratory influenza results identified among DON beneficiaries in Week 46 (20 Type A, one Type A & B).
  - The number of cases this week was comparable to the seasonal baseline.
- Eight laboratory positive cases this week occurred at NH Camp Lejeune, and six occurred at NH Jacksonville. 673rd Med Grp-Elmendorf (two) and NH Twenty-Nine Palms (two) were the only other facilities with more than one positive influenza test.
  - NH Camp Lejeune has the most cumulative cases since week 40 (17), followed by NH Jacksonville (16), NH Guam (11), and NMC San Diego (seven).
- During Week 46, 9.1% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 46 of last season (3.1%).
- In Week 46, all of 21 cases were positive by rapid testing.

<table>
<thead>
<tr>
<th>Proportion of Testing Types among Positive Influenza Tests</th>
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<tbody>
<tr>
<td>Rapid</td>
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<td>Week 46</td>
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<tr>
<td>Season</td>
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Antivirals:
- There were 28 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (27 oseltamivir, one amantadine).
- There have been 162 AVs prescribed to DON beneficiaries this season (162 oseltamivir, eight amantadine) so far this season.
- Antiviral prescriptions during Week 46 were slightly above the seasonal baseline.
- Two of the antiviral prescriptions during Week 46 were in the inpatient setting.
Influenza-Like Illness:
- During Week 46, 4.3% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this is comparable to the seasonal baseline.
- Among ER visits, 8.4% of medical encounters contained ILI ICD-9-CM diagnostic codes, which is below the seasonal baseline.

Immunizations

Vaccination Coverage:
- The three laboratory-identified active duty influenza cases during week 46 were not vaccinated.
- 72.1% of Navy and 58.1% of Marine Corps active duty service members have received an influenza vaccine.
  - Among US Fleet Forces personnel, 76.6% have received an influenza vaccine.
- 73.4% of Navy and 63.4% of Marine Corps reservists have received an influenza vaccine.

Severity Indicators

Inpatient Surveillance:
- There were 21 inpatient influenza tests performed among DON beneficiaries in Week 46; two were positive.
  - This week’s cases were a male child of a Marine Corps sponsor at NH Camp Lejeune who was rapid test positive for Type A, and a female active duty Navy service member who was rapid test positive for Type A & B at NH Sigonella.
- Two AV medications were prescribed in the inpatient setting this week.
  - The inpatient AV medications were prescribed at 81st Med Grp-Keesler (one) and NMC San Diego (one).
- One inpatient case was reported to DRSi this week: a male recruit at NMC San Diego between the ages of 18 and 44 years old.

Coinfections:
- There were no bacterial coinfections identified among DON beneficiaries in Week 46.
- Two bacterial coinfections have been identified in DON beneficiaries since Week 40 (**Escherichia, Staphylococcus**).
Active Duty

- There were two laboratory positive influenza type A results among active duty Marine Corps service members and one laboratory positive type A & B result among active duty Navy service members in Week 46.
  - The two Marine Corps laboratory tests were performed at NH Twenty-Nine Palms in an outpatient setting and the Navy laboratory test was performed at NH Sigonella in an inpatient setting.
  - None of the three active duty laboratory influenza positive service members this week were vaccinated.
- Seven active duty service members received AVs during Week 46.
  - Two prescriptions were dispensed to active duty Marines and three to active duty Navy service members; all received oseltamivir.

Recruits:

- There were no laboratory positive influenza results among DON recruits in Week 46.
- There was one AV dispensed to a recruit during Week 46.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 46 were 3.02 and 2.39 per 100,000, respectively.
- There were five AV medications prescribed to children during Week 46. The number of AVs dispensed to children this week was below the seasonal baseline.

Other Age Groups:

- During Week 46, the laboratory influenza rates among the 18-44 and 45+ age groups were 0.93 and 0.53 per 100,000, respectively.

In the News

- Bird flu confirmed at Yorkshire duck farm. More
- CDC reports low influenza activity in the US during Week 45. More