DON Influenza SITREP

2014-2015 Influenza Season
Week 50 (7 December 2014 — 13 December 2014)

Influenza Activity and Surveillance

Laboratory:
There were 182 laboratory positive influenza results among DON beneficiaries during Week 50 (over twice the seasonal baseline). More

Antivirals:
There were 274 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (272 oseltamivir, 2 amantadine). Influenza-specific AV prescriptions this week nearly five times the seasonal baseline. More

Influenza-Like Illness:
Overall, 4.8% of outpatient medical encounters were due to influenza-like illness (ILI); this was below the seasonal baseline. More

Severity Indicators

Inpatient:
One of the 22 inpatient influenza tests performed during Week 50 were positive. Seven inpatient AV prescriptions were dispensed this week. Four inpatient cases were reported to DRSi during Week 50. More

Coinfections:
There were four bacterial coinfections identified among DON beneficiaries since our last report. More

Select Populations

Active Duty & Recruits:
In Week 50, 17 Navy and 16 Marine Corps active duty service members had laboratory positive influenza results. Ten Navy recruits in Week 50 had a laboratory positive influenza result. More

Children:
Laboratory influenza rates in the 0-4 and 5-17 age groups were 22.6 and 25.9 per 100,000, respectively. There were 114 AV prescriptions dispensed to children this week; six times the seasonal baseline. More

Vaccination

85.1% of Navy and 77.0% of Marine Corps active duty service members have received an influenza vaccine (as of 13 December 2014). More

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

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**Laboratory:**

- There were 182 positive laboratory influenza results identified among DON beneficiaries in Week 50 (162 type A, 10 type B, 6 type A&B, 4 non-specific).
  - The number of cases this week is *three times* the seasonal baseline.
- The most laboratory positive cases this week occurred at NH Jacksonville (18), NH Camp Lejeune (18), NH Pensacola (15), and Lovell FHCC - Great Lakes (13).
  - NH Camp Lejeune has had the most cumulative cases since week 40 (137), followed by NH Jacksonville (65), and NH Pensacola (45).
- During Week 50, 25.0% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 50 of last season (7.8%).
- In Week 50, most cases were positive by rapid testing (75.3%), followed by PCR (19.8%), and culture (4.9%).

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<th>Proportion of Testing Types among Positive Influenza Tests</th>
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**Antivirals:**

- There were 274 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (272 oseltamivir, 2 amantadine), nearly *doubling* compared to the previous week.
- Antiviral prescriptions during Week 50 were approximately *five times* the seasonal baseline.
- Seven of the antiviral prescriptions during Week 50 were in the inpatient setting.
- There have been 752 AVs prescribed to DON beneficiaries this season (740 oseltamivir, 12 amantadine).
Inpatient Surveillance:

- There were 22 inpatient influenza tests performed among DON beneficiaries in Week 50; one was positive.
- The inpatient case was type A positive, active duty Marine at NH Camp Pendleton. This case was not reported to DRSi.
- Seven AV medications were prescribed in the inpatient setting this week.
- Four influenza-associated hospitalizations were reported to DRSi this week.

Immunizations:

Vaccination Coverage:

- Eight of the 33 laboratory-identified active duty influenza cases during Week 50 had no record of vaccination; the 25 vaccinated received IIV (injection; 16), LAIV (intranasal; 8), or had an unspecified formulation (1).
- 85.1% of Navy and 77.0% of Marine Corps active duty service members have received an influenza vaccine.
  - 93% of US Fleet Forces personnel have received an influenza vaccine, meeting the DOD vaccination coverage goal by December 6.
- 84.6% of Navy and 72.1% of Marine Corps reservists have received an influenza vaccine.

Severity Indicators:

Inpatient Surveillance:

- There were 22 inpatient influenza tests performed among DON beneficiaries in Week 50; one was positive.
  - The inpatient case was type A positive, active duty Marine at NH Camp Pendleton. This case was not reported to DRSi.
- Seven AV medications were prescribed in the inpatient setting this week.
  - One patient was 0-4 years, three were between 18-44 years, and three were above 45 years old.
- Four influenza-associated hospitalizations were reported to DRSi this week.
  - Three cases were reported from Walter Reed Army Medical Center and have laboratory confirmed results from an outpatient setting.
  - One case was reported from NMC Portsmouth and had a laboratory confirmed result in an inpatient setting during week 49.

Coinfections:

- During Week 50, four bacterial coinfections were identified among DON laboratory positive influenza patients.
  - Two upper respiratory Streptococcus infections were identified among an active duty member and recruit in outpatient settings at Lovell FHCC - Great Lakes and NH Beaufort.
Active Duty

- There were 33 laboratory positive influenza results among DON active duty service members in Week 50.
  - Fourteen Marine Corps and 17 Navy service members were type A positive, one Marine was type B positive, and one Marine was type A&B positive.
  - The largest number of cases were identified at NH Camp Pendleton (5), NH Pensacola (5), and NH Beaufort (3).
  - Eight of the 33 DON active duty influenza cases had no vaccination record.
- Since Week 40, 62.3% (43) of the DON active duty laboratory positive cases were vaccinated at least 14 days prior to infection.
- 48 active duty service members received AVs during Week 50.
  - Five prescriptions were dispensed at Lovell FHCC - Great Lakes and four at NH Pensacola; the remaining were dispensed to active duty members at varying locations. All active duty members received oseltamivir.

Recruits:

- Ten Navy recruits were laboratory positive at Lovell FHCC - Great Lakes (7 type A; 2 type B) and NHC Cherry Point (1 type A) in Week 50.
- There were nine AV’s dispensed to a recruits at Lovell FHCC - Great Lakes (8) and NHC Cherry Point (1) during Week 50.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 50 were 22.6 and 25.9 per 100,000, respectively.
- There were 114 AV medications prescribed to children during Week 50. The number of AVs dispensed to children this week was six times the seasonal baseline.

Other Age Groups:

- During Week 50, the laboratory influenza rates among the 18-44 and 45+ age groups were 6.9 and 4.3 per 100,000, respectively.

In the News

- New CDC report shows benefits of flu vaccine last season but fewer than half of Americans say they have been vaccinated this season. More
- CDC reports widespread influenza activity in 14 states. More
- FDA approves Sanofi’s quadrivalent, intradermal flu vaccine. More