DON Influenza SITREP

2014-2015 Influenza Season
Week 17 (26 April — 2 May 2015)

Influenza Activity and Surveillance

Laboratory:
There were 15 laboratory positive influenza results among DON beneficiaries during Week 17, which was slightly below baseline. More

Antivirals:
A total of 33 AV medications were dispensed to DON beneficiaries during Week 17, which was above baseline. More

Influenza-Like Illness:
Overall, 3.4% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to baseline. More

Severity Indicators

Inpatient:
One of the inpatient influenza tests performed during Week 17 was positive. This week, five inpatient AV prescriptions were dispensed, and no inpatient cases were reported to DRSi. More

Coinfections:
There were no bacterial coinfections identified among DON beneficiaries since last report. More

Vaccination

95.3% of Navy and 94.0% of Marine Corps active duty service members received an influenza vaccine (as of 2 May 2015). More

Select Populations

Active Duty & Recruits:
In Week 17, three active duty service members had laboratory positive influenza results. There were no laboratory positive influenza tests among recruits. More

NHRC reports febrile respiratory illness (FRI) rates at Navy and Marine Corps recruit training facilities were at or below expected values during Week 15. More

Children:
Laboratory influenza rates in the 0-4 and 5-17 age groups were 1.5 and 1.4 per 100,000, respectively. There were four AV prescriptions dispensed to children this week, comparable to baseline. More

Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: http://go.usa.gov/DtUC
Influenza Activity and Surveillance

Case Identification:
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.
- Since Week 40, 14.3% of all individuals with laboratory-confirmed influenza or prescription for influenza-specific antiviral were identified through both laboratory and pharmacy data sources.
- Among patients receiving AV prescriptions, 18.2% this week and 30.1% this season had positive laboratory results.

Laboratory:
- There were 15 laboratory positive influenza results identified among DON beneficiaries in Week 17 (4 type A, 10 type B, 1 type A & B).
  - The number of cases this week remains low and was below baseline.
  - 8.1% of all influenza tests performed were positive, compared to 4.3% during Week 17 of last season.
- The most laboratory positive cases this week occurred at NMC San Diego (3) and NH Jacksonville (3).
- Since Week 40, 3,848 positive laboratory results were identified among DON beneficiaries; NMC San Diego has the most cumulative cases (535), followed by NH Jacksonville (357) and NH Camp Lejeune (287).

<table>
<thead>
<tr>
<th>Proportion of Testing Types among Positive Influenza Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rapid</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>Week 17</td>
</tr>
<tr>
<td>Season</td>
</tr>
</tbody>
</table>

Antivirals:
- There were 33 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (2 amantadine, 31 oseltamivir).
- Antiviral prescriptions were above baseline, but continue on a generally decreasing trend.
- During Week 17, five (15.2%) of all AV prescriptions were dispensed in the inpatient setting.
- There have been 6,776 AVs prescribed to DON beneficiaries this season (33 amantadine, 6,742 oseltamivir, 1 zanamivir).

Back
**Syndromic Surveillance**

**Influenza-Like Illness:**
- During Week 17, 3.4% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this was comparable to the baseline.
- Among ER visits, 8.9% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the baseline.

**Immunizations**

**Vaccination Coverage:**
- 95.3% of Navy and 95.3% of Marine Corps active duty service members have received an influenza vaccine. The Navy reserve vaccination rate (95.4%) is comparable to the active duty rate, while the Marine Corps reserve vaccination rate (89.1%) is below the active duty rate. **More**
- A total of 607 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (87.3%) were vaccinated at least 14 days prior to infection. **More**

**Severity Indicators**

**Inpatient Surveillance:**
- There were 19 inpatient influenza tests performed among DON beneficiaries in Week 17; one (5.3%) was positive.
  - This week’s inpatient case was a male retired service member age 45+ PCR positive with type A at NMC San Diego.
- Five of the AV prescriptions during Week 17 were in the inpatient setting.
  - This week, inpatient AVs were dispensed to three age groups: 0-4 (1), 18-44 (1) and 45+ (3). All cases this week were for Navy beneficiaries at NMC Portsmouth (2), NMC San Diego (2), and Ft. Shafter (1).
  - There were no influenza-associated hospitalizations reported to DRSi this week.

**Coinfections:**
- Since last report (Week 12), there have been no coinfections identified among DON laboratory positive influenza patients.
Active Duty
- There were three laboratory positive influenza results among DON active duty service members in Week 17 (all type B). There have been 607 influenza cases among active duty service members so far this season (409 Sailors, 198 Marines).
  - There were two Navy and one Marine Corps active duty cases, all at different outpatient facilities (NH Bremerton, NHC Hawaii, Stuttgart-Bad Cannstadt).
  - Two (66.7%) of the DON active duty influenza cases during Week 17 were vaccinated at least 14 days prior to infection, one had no record of influenza vaccination.
- There were seven AVs dispensed (1 amantadine, 6 oseltamivir) to active duty service members during Week 17.

Recruits:
- There were no laboratory positive influenza tests among DON recruits in Week 17. There have been 80 influenza cases among recruits so far this season (54 Sailors, 26 Marines).
- There were no AVs dispensed during Week 17 to DON recruits.

Children:
- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 17 were 1.5 and 1.4 per 100,000, respectively.
- There were four AV medications prescribed to children during Week 17. AV medications prescribed to children this week were comparable to baseline.

Other Age Groups:
- During Week 17, laboratory influenza rates among the 18-44 and 45+ age groups were 0.8 and 0.5 per 100,000, respectively.

In the News
- CDC reports influenza activity continues to decline and is below baseline, though elevated activity continues in the northeast. More
- H5N2 avian influenza virus has reappeared in Missouri (absent almost a month) and Iowa reported it’s third outbreak this week. Minnesota reported no outbreaks on 6 May for the first time since April 15, in an outbreak that has been ongoing since 5 March. No human infections of H5N2 virus have been reported anywhere to date. More