DON Influenza SITREP

2012-2013 Influenza Season
Week 12 (March 17, 2013 — March 23, 2013)

Laboratory Summary:
- There were 41 laboratory positive influenza results among DON beneficiaries during Week 12 (above seasonal baseline).
  - Top facilities: NH Camp Lejeune (20), NMC San Diego (three), Ft. Belvoir (three).
  - NMC San Diego has had the most cases this season (252), followed by NH Camp Lejeune (170) and NH Bremerton (96).
- In Week 12, 35 cases were positive by rapid test, three by PCR, two by culture, and one had an unspecified test type. More

Antivirals:
- There were 75 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (four amantadine, 71 oseltamivir).
- Frequency of AV prescriptions during Week 12 remains above baseline. More

Inpatient:
- There were 10 inpatient influenza tests performed during Week 12; one was positive.
- Seven inpatient AV prescriptions were dispensed in Week 12.
- No inpatient cases were reported to DRSi this week. More

Active Duty & Recruits:
- There were no laboratory positive influenza cases among active duty service members in Week 12.
- There were no laboratory positive influenza cases among recruits in Week 12.
- ILI rates for LANT and PAC Fleets in Week 12 were 0.02% and 0.03%, respectively. More

Children:
- Laboratory influenza rates in the 0-4 and 5-17 age groups were 7.5 per 100,000 and 7.1 per 100,000, respectively.
- There were 37 AV prescriptions dispensed to children this week (49%). More

Coinfections:
- There were two coinfections identified among DON beneficiaries during Week 12. More

Pneumonia:
- There were no radiology-associated pneumonias identified among influenza cases since last report. More

In the News:
- See page 4 for this week’s influenza news updates. More

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Vaccination:
- 95.5% of active duty Navy personnel have been vaccinated as of this week.
- 93.0% of active duty Marine Corps personnel have been vaccinated as of this week.

More
Laboratory Summary:
- There were 41 positive laboratory influenza results identified among DON beneficiaries in Week 12 (12 Type A, 29 Type B).
- During Week 12, 18.0% of all influenza tests performed were positive.
  - This is similar to the percent of tests with positive results in Week 12 of last season (18.6%).
- The number of cases this week is slightly above seasonal baseline, but decreased from last week.
- In Week 12, 35 cases were positive by rapid test, three were positive by PCR, two were positive by culture, and one had an unspecified test type.

<table>
<thead>
<tr>
<th>Frequency of Testing Types among Positive Influenza Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rapid</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>Week 12</td>
</tr>
<tr>
<td>Season</td>
</tr>
</tbody>
</table>

Antivirals:
- There were 75 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (four amantadine, 71 oseltamivir). Seven of the antiviral prescriptions were in the inpatient setting.
- There have been 2,932 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (35 amantadine, 2,892 oseltamivir, one rimantadine, four zanamivir).
- Antiviral prescriptions continued to decrease during Week 12, but remain above seasonal baseline.

Inpatient:
- There were 10 inpatient influenza tests performed among DON beneficiaries in Week 12; one was positive (Type A). This week’s case was not treated with antivirals.
  - This week’s case was a female Marine Corps spouse age 45+ positive by culture at Ft. Shafter.
- There were seven AV medications prescribed in the inpatient setting this week (two amantadine, five oseltamivir).
  - This week’s cases were one child (male, 0-4 years old at NH Camp Lejeune), two active duty sponsors (one female at Ft. Shafter and one male at Ft. Sam Houston), one non-active duty sponsor (male, 45+ years old at Ft. Bragg), and three spouses (all female, two 45+ and one 18-44 at NH Camp Pendleton, NMC Portsmouth, and NH Camp Lejeune).
- There were no inpatient cases reported to DRSi since last report. There have been 21 inpatient cases reported to DRSi this season.
- Eight laboratory positive inpatient cases have been reported to DRSi this season (10.1%).
Active Duty & Recruits:
- There were no positive laboratory influenza results among DON active duty service members this week.
- There were no positive laboratory influenza results among DON recruits this week.
- One Navy active duty service member, a female at Ft. Shafter, received amantadine inpatient during Week 12.
- One Marine Corps active duty service member, a male at Ft. Sam Houston, received oseltamivir inpatient during Week 12.

Children:
- The rate of positive influenza results was highest in the 0-4 age group in Week 12 (7.5 per 100,000). The positive influenza rate in the 5-17 age group was 7.1 per 100,000.
- There were 37 AV medications prescribed to children in Week 12. The number of AVs dispensed to children during Week 12 remains above the seasonal baseline.

Other Age Groups:
- During Week 12, the laboratory influenza rates among the 18-44 and 45+ age groups were 0.6 and 0.8 per 100,000, respectively.

Coinfections:
- There were two coinfections identified among DON beneficiaries in Week 12 (both Streptococcus).
  - This week’s cases were two female children ages 5-17 outpatient NH Camp Lejeune.
- There have been 56 coinfections identified among DON beneficiaries this season (20 Streptococcus, 17 Staphylococcus, four Escherichia, two Haemophilus, two Klebsiella, and one each of Brevundimonas, Lactobacillus, Moraxella, Mycobacterium, Neisseria, Propionibacterium, Proteus, Providencia, Pseudomonas, Serratia, Shigella).
Vaccination:

As of March 23, 2013, 95.5% of Navy and 93.0% of Marine Corps active duty service members have received an influenza vaccine.

<table>
<thead>
<tr>
<th>Component</th>
<th>Total</th>
<th>Immunized*</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navy Active Duty</td>
<td>312,936</td>
<td>298,907</td>
<td>95.5</td>
</tr>
<tr>
<td>Navy Reserve</td>
<td>62,260</td>
<td>59,059</td>
<td>94.9</td>
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<tr>
<td>Marine Corps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active Duty</td>
<td>195,058</td>
<td>181,496</td>
<td>93.0</td>
</tr>
<tr>
<td>Reserve</td>
<td>33,066</td>
<td>29,676</td>
<td>89.7</td>
</tr>
</tbody>
</table>

*Includes both injection and intranasal influenza vaccines. Force strength for active duty and reserve forces was generated using the January 2013 Defense Manpower Data Center data.

In the News:

- The CDC’s FluView for Week 11 reports that while influenza activity is declining, significant activity is still ongoing in much of the US. Type B is predominant, accounting for 72% of all influenza viruses reported. More
- In Week 11, influenza activity declined throughout most parts of Europe, while some eastern European countries reported increasing outpatient activity. More
- The CDC reports that 90 percent of children who died from influenza this season were not vaccinated. More

Pneumonia:

- There were no radiology-associated pneumonia cases since last report.
- There have been 24 radiology-associated pneumonias identified among DON influenza patients this season. Six cases were identified during Week 4 and four cases identified during Week 3.