DON Influenza SITREP
2012-2013 Influenza Season
Week 9 (February 24, 2013 — March 2, 2013)

Laboratory Summary:
- There were 52 laboratory positive influenza results among DON beneficiaries during Week 9 (below seasonal baseline).
  - Top facilities: NMC San Diego (12), Ft. Belvoir (10), NH Camp Lejeune (eight), NH Twentynine Palms (three), Ft. Eustis (three)
  - NMC San Diego has had the most cases this season (227), followed by NH Camp Lejeune (132) and NH Bremerton (94).
- In Week 9, 41 cases were positive by rapid test, seven by PCR, and four by culture.

Antivirals:
- There were 103 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (one amantadine, 102 oseltamivir).
- Frequency of AV prescriptions during Week 9 remains above baseline.

Inpatient:
- There were 21 inpatient influenza tests performed during Week 9; four were positive.
- Five inpatient AV prescriptions were dispensed in Week 9.
- No inpatient cases were reported to DRSi this week.

Vaccination:
- 95.0% of active duty Navy personnel have been vaccinated as of this week.
- 92.2% of active duty Marine Corps personnel have been vaccinated as of this week.

Active Duty & Recruits:
- There were seven laboratory positive influenza cases among active duty service members in Week 9.
- There were no laboratory positive influenza cases among recruits in Week 9.
- ILI rates for LANT and PAC Fleets in Week 9 were 0.02% and 0.02%, respectively.

Children:
- Laboratory influenza rates in the 0-4 and 5-17 age groups were 2.0 per 100,000 and 8.0 per 100,000, respectively.
- There were 39 AV prescriptions dispensed to children this week (38%).

Coinfections:
- There were five coinfections identified among DON beneficiaries during Week 9.

Pneumonia:
- There was one radiology-associated pneumonia identified among influenza cases since last report.

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

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Laboratory Summary:
- There were 52 positive laboratory influenza results identified among DON beneficiaries in Week 9 (23 Type A, 29 Type B). One case was a dual infection.
- During Week 9, 17.5% of all influenza tests performed were positive.
  - This is lower than the percent of tests with positive results in Week 9 of last season (24.7%).
- The number of cases this week continues below the seasonal baseline.
- In Week 9, 41 cases were positive by rapid test, seven were positive by PCR, and four were positive by culture.

<table>
<thead>
<tr>
<th>Frequency of Testing Types among Positive Influenza Tests</th>
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<tbody>
<tr>
<td><strong>Rapid</strong></td>
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<tr>
<td>Week 9</td>
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<tr>
<td>Season</td>
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</tbody>
</table>

Antivirals:
- There were 103 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (one amantadine, 102 oseltamivir). Five of the antiviral prescriptions were in the inpatient setting.
- There have been 2,688 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (30 amantadine, 2,653 oseltamivir, one rimantadine, four zanamivir).
- Antiviral prescriptions continued to decrease during Week 9, but remain above seasonal baseline.

Inpatient:
- There were 21 inpatient influenza tests performed among DON beneficiaries in Week 9; four were positive (two Type A, two Type B). One case was treated with antivirals.
  - There was one inpatient active duty case this week, a female Navy active duty service member age 18-44 at Ft. Belvoir positive for Type A by rapid test.
  - The remaining cases were three Navy retirees age 45+ at NMC San Diego, all positive by PCR. Two were Type B and one was Type A.
- There were five AV medications prescribed in the inpatient setting this week (all oseltamivir).
  - Two cases this week were children age 5-17 at NMC San Diego.
  - Other inpatient prescriptions were a spouse age 45+ at Travis AFB, a spouse age 18-44 at NH Camp Lejeune, and one non-active duty sponsor age 45+ at NMC San Diego.
- There were no inpatient cases reported to DRSi since last week. There have been 18 inpatient cases reported to DRSi this season.
- Seven (9.3%) of all laboratory positive inpatient cases have been reported to DRSi this season.
Active Duty & Recruits:
- There were seven positive laboratory influenza results among DON active duty service members in Week 9 (one Marine Corps, six Navy). Four were Type A and three were Type B.
  - Cases occurred at Ft. Belvoir (three), NH Sigonella (two), NH Bremerton (one), and NH Lemoore (one).
  - Rates of influenza positive laboratory results are below baseline for Marine Corps and Navy active duty service members this week.
- There have been no positive laboratory influenza results among DON recruits since Week 6.
- No active duty service members received inpatient antivirals during Week 9.

Children:
- The rate of positive influenza results was highest in the 5-17 age group in Week 9 (8.0 per 100,000). The positive influenza rate in the 0-4 age group was 2.0 per 100,000.
- There were 39 AV medications prescribed to children in Week 9. The number of AVs dispensed to children during Week 9 remains above the seasonal baseline.

Other Age Groups:
- During Week 9, the laboratory influenza rates among the 18-44 and 45+ age groups were 1.3 and 3.6 per 100,000, respectively.

Coinfections:
- There were five coinfections identified among three DON beneficiaries in Week 9 (three *Staphylococcus*, two *Streptococcus*).
  - Among this week’s cases was a female child age 5-17 with *Streptococcus* at NMCL Patuxent River.
  - Remaining cases were a male non-active duty sponsor age 45+ with *Streptococcus* at NH Jacksonville, a female spouse age 45+ with *Staphylococcus* at NMC San Diego, and two male non-active duty sponsors age 45+ with *Staphylococcus* at NMC San Diego.
- There have been 52 coinfections identified among DON beneficiaries this season (17 *Streptococcus*, 17 *Staphylococcus*, four *Escherichia*, two *Haemophilus*, two *Klebsiella*, and one each of *Lactobacillus, Moraxella, Mycobacterium, Neisseria, Propionibacterium, Proteus, Providencia, Pseudomonas, Serratia, Shigella*).
Vaccination:
- As of March 2, 2013, 95.0% of Navy and 92.2% of Marine Corps active duty service members have received an influenza vaccine.
- The Marine Corps active duty case in Week 9 was vaccinated more than 14 days prior to infection (TIV).
- Three Navy active duty cases in Week 9 were vaccinated more than 14 days prior to infection (two LAIV, one TIV). The remaining three cases were not vaccinated.

<table>
<thead>
<tr>
<th>Component</th>
<th>Total</th>
<th>Immunized*</th>
<th>%</th>
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<tbody>
<tr>
<td>Active Duty</td>
<td>312,877</td>
<td>297,331</td>
<td>95.0</td>
</tr>
<tr>
<td>Reserve</td>
<td>62,426</td>
<td>58,821</td>
<td>94.2</td>
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*Includes both injection and intranasal influenza vaccines.

Force strength for active duty and reserve forces was generated using the December 2012 Defense Manpower Data Center data.

Pneumonia:
- There was one radiology-associated pneumonia case since last report. This case occurred during Week 8 in a male active duty service member age 18-44 at BMC NAVSTA San Diego.
- There have been 22 radiology-associated pneumonias identified among DON influenza patients this season. Six cases were identified during Week 4 and four cases identified during Week 3.

In the News:
- US influenza activity is continuing to decrease; influenza B is the predominant strain for the first time this season. More
- The WHO influenza update through Week 7 shows influenza activity decreasing in North America and northern and western Europe, while increasing in eastern Europe. More
- Study suggests influenza vaccination provided little to no protection against influenza in the 2010-2011 season, and only those who hadn’t been vaccinated before appeared to benefit from vaccination. More