Laboratory Summary:
- There were 50 laboratory positive influenza results among DON beneficiaries during Week 11 (above seasonal baseline).
  - Top facilities: NH Camp Lejeune (11), NMC San Diego (10), Ft. Belvoir (five), NHC Quantico (three)
  - NMC San Diego has had the most cases this season (248), followed by NH Camp Lejeune (149) and NH Bremerton (96).
- In Week 11, 34 cases were positive by rapid test, 12 by PCR, and four by culture.

Antivirals:
- There were 71 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (one amantadine, 70 oseltamivir).
- Frequency of AV prescriptions during Week 11 remains above baseline.

Inpatient:
- There were 11 inpatient influenza tests performed during Week 11; one was positive.
- Four inpatient AV prescriptions were dispensed in Week 11.
- Three inpatient cases were reported to DRSi this week.

Active Duty & Recruits:
- There were four laboratory positive influenza cases among active duty service members in Week 11.
- There were no laboratory positive influenza cases among recruits in Week 11.
- ILI rates for LANT and PAC Fleets in Week 11 were 0.02% and 0.17%, respectively.

Children:
- Laboratory influenza rates in the 0-4 and 5-17 age groups were 6.1 per 100,000 and 8.4 per 100,000, respectively.
- There were 31 AV prescriptions dispensed to children this week (44%).

Coinfections:
- There were two coinfections identified among DON beneficiaries during Week 11.

Pneumonia:
- There were two radiology-associated pneumonias identified among influenza cases since last report.

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

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Vaccination:
- 95.4% of active duty Navy personnel have been vaccinated as of this week.
- 92.6% of active duty Marine Corps personnel have been vaccinated as of this week.
Laboratory Summary:
- There were 50 positive laboratory influenza results identified among DON beneficiaries in Week 11 (nine Type A, 41 Type B).
- During Week 11, 21.2% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 10 of last season (16.6%).
- The number of cases this week is slightly above seasonal baseline.
- In Week 11, 34 cases were positive by rapid test, 12 were positive by PCR, and four were positive by culture.

<table>
<thead>
<tr>
<th>Frequency of Testing Types among Positive Influenza Tests</th>
<th>Rapid</th>
<th>PCR</th>
<th>Culture</th>
<th>Unspecified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 11</td>
<td>68%</td>
<td>24%</td>
<td>8%</td>
<td>—</td>
</tr>
<tr>
<td>Season</td>
<td>58%</td>
<td>21%</td>
<td>20%</td>
<td>1%</td>
</tr>
</tbody>
</table>

Antivirals:
- There were 71 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (one amantadine, 70 oseltamivir). Four of the antiviral prescriptions were in the inpatient setting.
- There have been 2,850 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (31 amantadine, 2,814 oseltamivir, one rimantadine, four zanamivir).
- Antiviral prescriptions continued to decrease during Week 11, but remain above seasonal baseline.

Inpatient:
- There were 11 inpatient influenza tests performed among DON beneficiaries in Week 11; one was positive (Type B). This week’s case was not treated with antivirals.
  - This week’s case was a female Navy spouse age 45+ positive by culture at WRNMMC.
- There were four AV medications prescribed in the inpatient setting this week (one amantadine, three oseltamivir).
  - This week’s cases were a 0-4 year old female child at NH Camp Lejeune, a 5-17 year old child at NMC San Diego, a male recruit at 121st General Hospital Seoul, and a female active duty service member at Ft. Shafter.
- There were three inpatient cases reported to DRSi since last report. There have been 21 inpatient cases reported to DRSi this season.
  - One case reported this week had onset during Week 11, a female spouse age 45+ at WRNMMC, also identified in laboratory surveillance.
  - Two cases reported this week had onset during Week 10, a female child age 0-4 at NH Pensacola, and a male active duty service member at Ft. Leonard Wood. Both cases were previously identified in laboratory and pharmacy surveillance.
Active Duty & Recruits:
- There were four positive laboratory influenza results among DON active duty service members in Week 11 (all Navy). Three were Type A and one was Type B.
  - There was one case each at Eglin AFB, NH Guam-Agana, NH Yokosuka, and NMC San Diego.
  - Rates of influenza positive laboratory results are below baseline for Marine Corps and above baseline for Navy 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 11.
- One Navy recruit, a male at 121st General Hospital-Seoul, received oseltamivir inpatient during Week 11.

Children:
- The rate of positive influenza results was highest in the 5-17 age group in Week 11 (8.4 per 100,000). The positive influenza rate in the 0-4 age group was 6.2 per 100,000.
- There were 31 AV medications prescribed to children in Week 11. The number of AVs dispensed to children during Week 11 remains above the seasonal baseline.

Other Age Groups:
- During Week 11, the laboratory influenza rates among the 18-44 and 45+ age groups were 1.0 and 1.6 per 100,000, respectively.

Coinfections:
- There were two coinfections identified among DON beneficiaries in Week 11 (Streptococcus, Brevundimonas).
  - This week’s cases were a male child age 5-17 inpatient at WRNMMC and a female spouse age 45+ at Ft. Sam Houston.
- There have been 54 coinfections identified among DON beneficiaries this season (18 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 16, 2013, 95.4% of Navy and 92.6% of Marine Corps active duty service members have received an influenza vaccine.
- The four Navy active duty cases in Week 11 were vaccinated more than 14 days prior to infection (two LAIV, two TIV).
- The active duty case reported to DRSi this week (onset during Week 10) was not vaccinated.

<table>
<thead>
<tr>
<th>Component</th>
<th>Total</th>
<th>Immunized*</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Navy</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active Duty</td>
<td>312,936</td>
<td>298,454</td>
<td>95.4</td>
</tr>
<tr>
<td>Reserve</td>
<td>62,260</td>
<td>58,999</td>
<td>94.8</td>
</tr>
<tr>
<td><strong>Marine Corps</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active Duty</td>
<td>195,058</td>
<td>180,681</td>
<td>92.6</td>
</tr>
<tr>
<td>Reserve</td>
<td>33,066</td>
<td>29,625</td>
<td>89.6</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:
- Influenza activity in the US is continuing its slow retreat as fewer respiratory samples are testing positive, and many areas of the country are returning to baselines. More
- An investigation of a pandemic H1N1 influenza outbreak aboard a Navy ship in 2009 showed that most infected were asymptomatic. More
- Data reported at the meeting of the Australasian Society for Infectious Diseases suggest that cases of oseltamivir-resistant influenza are increasing and are seen in patients who had never been treated with oseltamivir before. More

Pneumonia:
- There were two radiology-associated pneumonia cases since last report. One case was a male active duty service member at 96th Med Group—Eglin during Week 11 and the other was a female spouse age 45+ NMC San Diego during Week 8.
- 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.