Laboratory Summary:
- There were nine laboratory positive influenza results among DON beneficiaries during Week 42. (above seasonal baseline)
- Positive tests in Week 42 were from NH Naples (three), NH Beaufort (two), NH Twentynine Palms (one), NH Jacksonville (one), Walter Reed (one), and Keesler AFB (one).
- All cases were positive by rapid antigen test. More

Antivirals:
- There were 14 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (one amantadine and 13 oseltamivir).
- The rate of AV prescriptions during Week 42 was above the seasonal baseline. More

Inpatient:
- There were five inpatient influenza tests performed during Week 42; none were positive.
- Two inpatient AV prescriptions were dispensed in Week 42 (14.3%).
- There was one inpatient case reported to DRSi this week (recruit). More

Active Duty & Recruits:
- There was one laboratory positive influenza case among active duty service members in Week 42 (Navy).
- There were no influenza positive results among recruits in Week 42.
- The ILI rate remains low for both LANT and PAC Fleets (0.03% and 0.04%, respectively). More

Children:
- Laboratory influenza rates in the 0-4 and 5-17 year old age groups were 1.4 per 100,000 and 0 per 100,000, respectively.
- Two AV prescriptions were dispensed to children this week (14.3%). More

Additional Information:
- There have been no pneumonia cases identified this season.
- There were no coinfections identified this week.

Vaccination:
65.1% of active duty Navy personnel have been vaccinated as of this week.
58.9% of active duty Marine Corps personnel have been vaccinated as of this week. More

In the News:
- A new study in Disaster Medicine and Public Health Preparedness compares control measures in H1N1 outbreaks aboard two aircraft carriers during the 2009 pandemic. More

Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil
Laboratory Summary:
- There were nine positive laboratory influenza results identified among DON beneficiaries in Week 42.
  - Four Type A and five Type B
  - One patient had a dual infection (both Type A and Type B).
- During Week 42, 7.6% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 42 of last season (3.1%).
- The number of cases this week remains above the seasonal baseline.
- In Week 42, all cases tested positive by rapid antigen test.

| Frequency of Testing Types among Positive Influenza Tests |
|-----------------|--------|--------|--------|
| Rapid           | PCR    | Culture| Unspecified |
| Week 42         | 100%   | —      | —        |
| Season          | 72%    | 28%    | —        |

Antivirals:
- There were 14 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (one amantadine and 13 oseltamivir).
- There have been 38 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (six amantadine and 32 oseltamivir).
- The number of AV medications dispensed during Week 42 remains above the seasonal baseline.

Inpatient:
- There were five inpatient influenza tests performed among DON beneficiaries in Week 42; none were positive.
- There were two AV medications prescribed in the inpatient setting this week.
  - Cases this week were a male, non-active duty sponsor, 45 + years old at Keesler AFB, and a male, child, age 5-17 at NMC Portsmouth.
- The inpatient case reported to DRSi was a 18-44 year old, male Navy recruit in Great Lakes. This inpatient case was at a VA hospital and laboratory testing information is not available in CHCS-based HL7 surveillance. He was reported by and received an AV prescription at Great Lakes.
- There were no coinfections identified among inpatient cases this week.
- There were no inpatient ILI diagnoses during Week 42, and no ILI-related ER visits this week resulted in an inpatient admission.
Active Duty & Recruits:
- There was one positive result among DON active duty service members in Week 42.
  - The case was an 18-44 year old, Navy female who tested positive via rapid test for Type A at NH Naples.
- There were no positive results among DON recruits in Week 42.

Children:
- The 0-4 age group had the highest rate of laboratory influenza this week (1.37 per 100,000). There were no laboratory positive influenza cases in the 5-17 age group.
- There were two AV medications prescribed to children in Week 42. The number of AVs dispensed to children during Week 42 was at the seasonal baseline.

Other Age Groups:
- During Week 42, the laboratory influenza rates among the 18-44 and 45+ age groups were 0.56 per 100,000 and 0.52 per 100,000, respectively.

Vaccination:
- As of October 20, 2012, 65.1% of Navy and 58.9% of Marine Corps active duty service members have received an influenza vaccine.
- The Navy active duty laboratory case this week had not received an influenza vaccine.
- The Marine Corps recruit case reported to DRSi this week was not vaccinated.

<table>
<thead>
<tr>
<th>Navy Component</th>
<th>Total</th>
<th>Immunized*</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Duty</td>
<td>317,002</td>
<td>206,299</td>
<td>65.1</td>
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<tr>
<td>Reserve</td>
<td>62,360</td>
<td>38,509</td>
<td>61.7</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Marine Corps Component</th>
<th>Total</th>
<th>Immunized*</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Duty</td>
<td>197,266</td>
<td>116,209</td>
<td>58.9</td>
</tr>
<tr>
<td>Reserve</td>
<td>33,217</td>
<td>18,384</td>
<td>55.3</td>
</tr>
</tbody>
</table>

*Includes both injection and intranasal influenza vaccines. Force strength for active duty and reserve forces was generated using the June 2012 Defense Manpower Data Center data.