DON Influenza SITREP
2012-2013 Influenza Season
Week 52 (December 23 — December 29, 2012)

Laboratory Summary:
- There were 66 laboratory positive influenza results among DON beneficiaries during Week 52 (above seasonal baseline).
  - Top facilities: NH Camp Lejeune (10), NH Bremerton (eight), NH Beaufort (six), Walter Reed (five), NH Jacksonville (four), and NHC Charleston (four).
  - NH Pensacola has had the most cases this season (44).
  - 54 cases were positive by rapid test, five by PCR, and five by culture.

Antivirals:
- There were 105 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- The frequency of AV prescriptions during Week 52 was above the seasonal baseline.

Inpatient:
- There were 23 inpatient influenza tests performed during Week 52; two were positive.
- Seven inpatient AV prescriptions were dispensed in Week 52.
- No inpatient cases were reported to DRSi this week.

Active Duty & Recruits:
- There were seven laboratory positive influenza cases among active duty service members in Week 52.
- The ILI rate remains low for both LANT and PAC Fleets (0.0% each).

Children:
- Laboratory influenza rates in the 0-4 and 5-17 age groups were 12.3 per 100,000 and 6.4 per 100,000, respectively.
- There were 33 AV prescriptions dispensed to children this week (31.4%).

Additional Information:
- There was one coinfection identified this week.
- There were two radiology-associated pneumonias identified among influenza patients since last week’s report.

In the News:
- Influenza markers are continuing to climb in the US, Canada, and Europe.
- In an article reported by The Washington Post, CDC experts say that this flu season is off to its earliest start in over a decade, but one promising note is that circulating strains are matching well to this year’s vaccine.

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Vaccination:
92.4% of active duty Navy personnel have been vaccinated as of this week.
87.0% of active duty Marine Corps personnel have been vaccinated as of this week.
Laboratory Summary:
- There were 66 positive laboratory influenza results identified among DON beneficiaries in Week 52 (57 Type A, nine Type B). Two patients had dual infections.
- During Week 52, 21.7% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 52 of last season (0%).
- The number of cases this week remains above the seasonal baseline.
- In Week 52, 56 cases were positive by rapid test, five were positive by PCR, and five were positive by culture.

<table>
<thead>
<tr>
<th>Frequency of Testing Types among Positive Influenza Tests</th>
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<tbody>
<tr>
<td></td>
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<tr>
<td>Week 52</td>
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<tr>
<td>Season</td>
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</tbody>
</table>

Antivirals:
- There were 105 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir). Seven of the antiviral prescriptions were in the inpatient setting.
- There have been 553 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (16 amantadine, 537 oseltamivir).
- The number of AV medications dispensed during Week 52 was above the seasonal baseline.

Inpatient:
- There were 23 inpatient influenza tests performed among DON beneficiaries in Week 52; two were positive (one Type A, one Type B)
  - The Type A case was a Navy female spouse, age 45+, positive by rapid test at Ft. Sam Houston.
  - The Type B case was a Marine Corps male child, age 5-17, positive by PCR at NMC San Diego.
- There were seven AV medications prescribed in the inpatient setting this week (all oseltamivir).
  - The majority of this week’s inpatient prescriptions were dispensed to male children age 0-4 and 5-17 (42.8%). NH Bremerton and NMC Portsmouth had the most inpatient AV prescriptions this week (two each).
- There were no inpatient cases reported to DRSi since last week; there have been five inpatient cases reported to DRSi this season.
- There was no coinfections among inpatient laboratory cases this week.
Active Duty & Recruits:
- There were seven positive laboratory influenza results among DON active duty service members in Week 52 (four Marine Corps, three Navy). All cases were Type A and were positive by rapid test. Cases were identified at NH Camp Lejeune (three), NH Beaufort (two), NH Bremerton (one), and NH Naples (one).
- Rates of influenza positive laboratory results are above baseline for Marine Corps and Navy active duty service members this week.
- No influenza positive laboratory results have been identified in DON recruits since Week 41.

Children:
- The rate of positive influenza results in Week 52 was highest in the 0-4 age group, at 12.3 per 100,000. The rate in the 5-17 age group was 6.4 per 100,000.
- There were 33 AV medications prescribed to children in Week 52. The number of AVs dispensed to children during Week 52 was higher than the seasonal baseline.

Other Age Groups:
- During Week 52, the laboratory influenza rates among the 18-44 and 45+ age groups were 1.9 and 2.8 per 100,000, respectively.

Coinfections:
- There was one coinfection identified in DON beneficiaries during Week 52 (*Staphylococcus*).
  - This week’s case was an outpatient male child at NH Camp Lejeune.
- There have been eight coinfections identified among DON beneficiaries this season (five *Staphylococcus*, three *Streptococcus*).

Pneumonia:
- There were two radiology-associated pneumonia cases identified among DON influenza cases since last report, both at Ft. Sam Houston.
  - The first case, laboratory positive during Week 51, was an 18-44 year old female spouse.
  - The second case, laboratory positive during Week 52, was a 45+ year old female spouse.
- There have been four radiology-associated pneumonias identified among DON influenza patients this season. Two of these cases were identified during Week 51.
Vaccination:
- As of December 29, 2012, 92.4% of Navy and 87.0% of Marine Corps active duty service members have received an influenza vaccine.
- Vaccination status for the four Marine Corps active duty cases during Week 52:
  - Three cases received a vaccine more than 14 days prior to infection (one LAIV, two TIV)
  - One case was not vaccinated.
- Vaccination status for the three Navy active duty cases during Week 52:
  - Two cases received a vaccine more than 14 days prior to infection (both LAIV)
  - One case was not vaccinated.

<table>
<thead>
<tr>
<th>Component</th>
<th>Total</th>
<th>Immunized*</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Duty</td>
<td>313,243</td>
<td>289,450</td>
<td>92.4</td>
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<tr>
<td>Reserve</td>
<td>62,959</td>
<td>57,077</td>
<td>90.7</td>
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<th>Component</th>
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<tr>
<td>Active Duty</td>
<td>197,482</td>
<td>171,856</td>
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<tr>
<td>Reserve</td>
<td>33,330</td>
<td>27,864</td>
<td>83.6</td>
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*Includes both injection and intranasal influenza vaccines. Force strength for active duty and reserve forces was generated using the October 2012 Defense Manpower Data Center data.

Additional Reports of Interest:
- The Communicable Disease Division at the EDC completed an annual summary of influenza surveillance efforts. The report provides detailed descriptions of influenza activity among DON beneficiaries during the 2011-2012 influenza season. Last season was characterized by a late start to influenza activity and decreased overall case volume, which was also observed among DOD beneficiaries. More