DON Influenza SITREP
2012-2013 Influenza Season
Week 10 (March 3, 2013 — March 9, 2013)

Laboratory Summary:
- There were 43 laboratory positive influenza results among DON beneficiaries during Week 10 (below seasonal baseline).
  - Top facilities: NMC San Diego (11), NH Lemoore (nine), NH Pensacola (three), NH Camp Lejeune (three)
  - NMC San Diego has had the most cases this season (238), followed by NH Camp Lejeune (137) and NH Bremerton (95).
- In Week 10, 23 cases were positive by rapid test, seven by PCR, and 13 by culture.

Antivirals:
- There were 83 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- Frequency of AV prescriptions during Week 10 remains above baseline.

Inpatient:
- There were 16 inpatient influenza tests performed during Week 10; one was positive.
- Four inpatient AV prescriptions were dispensed in Week 10.
- No inpatient cases were reported to DRSi this week.

Active Duty & Recruits:
- There were five laboratory positive influenza cases among active duty service members in Week 10.
- There were no laboratory positive influenza cases among recruits in Week 10.
- ILI rates for LANT and PAC Fleets in Week 10 were 0.01% and 0.02%, respectively.

Children:
- Laboratory influenza rates in the 0-4 and 5-17 age groups were 4.8 per 100,000 and 6.1 per 100,000, respectively.
- There were 39 AV prescriptions dispensed to children this week (47%).

Coinfections:
- There was one coinfection identified among DON beneficiaries during Week 10.

Pneumonia:
- There were no 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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Laboratory Summary:
- There were 43 positive laboratory influenza results identified among DON beneficiaries in Week 10 (21 Type A, 22 Type B).
- During Week 10, 15.7% of all influenza tests performed were positive.
  - This is lower than the percent of tests with positive results in Week 10 of last season (22.8%).
- The number of cases this week continues below the seasonal baseline.
- In Week 10, 23 cases were positive by rapid test, seven were positive by PCR, and 13 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 10</td>
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<tr>
<td>Season</td>
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</tbody>
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Antivirals:
- There were 83 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir). Four of the antiviral prescriptions were in the inpatient setting.
- There have been 2,773 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (30 amantadine, 2,738 oseltamivir, one rimantadine, four zanamivir).
- Antiviral prescriptions continued to decrease during Week 10, but remain above seasonal baseline.

Inpatient:
- There were 16 inpatient influenza tests performed among DON beneficiaries in Week 10; one was positive (Type A). This week’s case was not treated with antivirals.
  - This week’s case was a female Navy spouse age 45+ positive by PCR at NMC San Diego.
- There were four AV medications prescribed in the inpatient setting this week (all oseltamivir).
  - Three cases this week were age 45+: an active duty female at WRNMMC, a female spouse at NH Jacksonville, and a non-active duty sponsor at NH Okinawa.
  - The other inpatient AV prescription was dispensed to a female, child age 0-4 at NMC San Diego.
- There were no inpatient cases reported to DRSi since last week. There have been 19 inpatient cases reported to DRSi this season.
- Seven (9.1%) of all laboratory positive inpatient cases have been reported to DRSi this season.
Active Duty & Recruits:
- There were five positive laboratory influenza results among DON active duty service members in Week 10 (two Marine Corps, three Navy). Four were Type A and one was Type B.
  - Cases occurred at NMC San Diego (two), Brian Allgood ACH (one), Ft. Leonard Wood (one), and NH Yokosuka (one).
  - Rates of influenza positive laboratory results are above baseline for Marine Corps and below baseline for Navy active duty service members this week.
- There were no positive laboratory influenza results among DON recruits this week.
- One active duty service member, a female sailor at WRNMMC, received oseltamivir inpatient during Week 10.

Children:
- The rate of positive influenza results was highest in the 5-17 age group in Week 10 (6.1 per 100,000). The positive influenza rate in the 0-4 age group was 4.8 per 100,000.
- There were 39 AV medications prescribed to children in Week 10. The number of AVs dispensed to children during Week 10 remains above the seasonal baseline.

Other Age Groups:
- During Week 10, the laboratory influenza rates among the 18-44 and 45+ age groups were 0.8 and 2.6 per 100,000, respectively.

Coinfections:
- There was one coinfection identified among three DON beneficiaries in Week 10 (*Staphylococcus*).
  - This week’s case was a male non-active duty sponsor age 45+ inpatient 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 9, 2013, 95.2% of Navy and 92.5% of Marine Corps active duty service members have received an influenza vaccine.
- The two Marine Corps active duty cases in Week 10 were not vaccinated.
- The three Navy active duty cases in Week 10 were vaccinated more than 14 days prior to infection (one LAIV, two TIV).

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<thead>
<tr>
<th>Component</th>
<th>Total</th>
<th>Immunized*</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>Active Duty</td>
<td>312,877</td>
<td>297,735</td>
<td>95.2</td>
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<tr>
<td>Reserve</td>
<td>62,426</td>
<td>58,908</td>
<td>94.4</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.

In the News:
- Influenza activity in the US is continuing to fall and is nearing baseline. Type B continues to be the predominant strain, growing from 53% to 64% of circulating strains in Week 9. More
- Influenza activity in Europe in Week 9 remained elevated, but several countries reported indications of declining transmission. More
- NIH study on the role of climate in influenza transmission shows that two types of environmental conditions—cold-dry and humid-rainy—are associated with seasonal influenza epidemics. More

Pneumonia:
- There were no radiology-associated pneumonia cases since last report.
- 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.