Overall Summary
Overall influenza activity is low. AVs are slightly above baseline and laboratory-identified cases are at baseline levels.

Key Findings

Influenza Activity and Surveillance

Laboratory
- Laboratory-positive influenza cases were at baseline.
- 8 laboratory cases identified. [Details]

Antivirals (AVs)
- Dispensed AVs were slightly above baseline.
- 29 AVs dispensed. [Details]

Influenza-Like Illness (ILI)
- ILI outpatient encounters were below baseline at 2.9% of outpatient medical encounters. [Details]

Severity Indicators

Inpatient
- No inpatient laboratory-positive cases identified.
- 3 inpatient AVs dispensed.
- One influenza case reported to DRSi. [Details]

Coinfections
- No bacterial coinfections among laboratory-positive cases were identified. [Details]

Select Populations

Active Duty
- No laboratory-positive cases identified.
- 8 AVs dispensed. [Details]

Recruits
- No laboratory-positive case identified.
- No AVs dispensed. [Details]
- Febrile respiratory illness at or below expected values. [NHRC Report]

Children
- Laboratory cases among children were at baseline. [Details]

Active Duty Vaccination Rates

Navy .................. 45.1%
Marine Corps .......... 44.4%
US Fleet Forces ....... 44.2%

View Table
Overall Burden*
- The weekly burden of influenza in the DON was 37 cases, identified in one or more data sources.
- Pharmacy captured the highest proportion of cases (78.4%). No cases were identified in all three sources.
- 127 DON cases identified since Week 40.

*Note: The estimated burden of influenza across the DON combines three major sources of data: certified laboratory results, antiviral pharmacy transactions, and medical encounters with influenza-specific diagnoses.

Laboratory Cases
- Laboratory-positive cases were at baseline with 8 cases; the case count was equal to the count of the previous week.
- Influenza types: A (6), B (2), and A and B (0).
- Facilities with the greatest number of cases:
  - Current week: NH Guam-Agana (4), NH Jacksonville (1) NH Camp Lejeune (1), NH Okinawa (1), and NH Yokosuka (1).
  - Season: NH Guam-Agana (9), NH Camp Lejeune (7), and NH Yokosuka (3).

Specimen Positivity
- 2.6% of all influenza specimens tested; about the same as last season (2.7%).
- Facilities testing more than 10 specimens: 5 (17.9%).

<table>
<thead>
<tr>
<th></th>
<th>Test Types among Positive Influenza Specimens, n (%)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Rapid</td>
</tr>
<tr>
<td>Week 40</td>
<td>14(82.4)</td>
</tr>
<tr>
<td>Week 41</td>
<td>7(87.5)</td>
</tr>
<tr>
<td>Week 42</td>
<td>8 (100.0)</td>
</tr>
<tr>
<td>Season</td>
<td>29(87.9)</td>
</tr>
</tbody>
</table>

Antiviral Prescriptions
- AVs dispensed were above baseline; AVs increased slightly from the prior week.
- 29 AVs (27 oseltamivir, 2 amantadine) were dispensed.
- Facilities dispensing most AVs this week: NH Guam-Agana (6) and NH Camp Lejeune (4).
- The majority (92.5%) of prescriptions for the season have been for oseltamivir.

<table>
<thead>
<tr>
<th></th>
<th>Antiviral Medications Dispensed to DON Beneficiaries, n (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amantadine</td>
</tr>
<tr>
<td>Week 42</td>
<td>2(6.9)</td>
</tr>
<tr>
<td>Season</td>
<td>7(7.5)</td>
</tr>
</tbody>
</table>
Syndromic Surveillance

Influenza-Like Illness (ILI) *

- The percentage of medical encounters that included an ILI diagnosis:
  - 2.9% of outpatient encounters (below baseline).
  - 10.9% of ER admissions (below baseline).
- 9 DON facilities (32.1%) reported an increase in the proportion of outpatient ILI visits from the prior week.
  - Two facilities had an increase above 25%.
  - NH Oak Harbor (27.6%) had the greatest increase in the percent of ILI visits.

*For Week 41, lagged due to data availability

Severity Indicators

Inpatient Laboratory

- No inpatient laboratory cases were identified.

Inpatient Pharmacy

- The percentage of inpatient AVs (10.3% of all influenza AVs) was below baseline (14.0%).
- AVs were dispensed at NH Guam-Agana (1), AMC Tripler-Shafter (1) and AMC Brooke-SAMMC-Sam Houston (1)
- AVs were dispensed to spouses (2) and a non-active duty sponsor (1).

Influenza-Associated Hospitalization Reports

- One influenza case was reported to DRSi for influenza-associated hospitalization for an active duty service member.

Bacterial Coinfections

- No coinfections were identified during the week.
- No positive rapid strep tests were identified among influenza cases.

| Bacterial Coinfections by Specimen Source and as a Percent of Laboratory Cases, 2016-2017 Season |
|--------------------------------------------------|-------------------------------------|-------------------------------------|---------------------|
| Coinfections by Specimen Source, n (%) | Lab Cases with Bacterial Coinfection (%) |
| Upper Respiratory | Lower Respiratory | Non-Respiratory |  
| Current Season (n=1) | 0(0.0) | 0(0.0) | 1(100.0) | 3.0 |
| Cumulative Baseline* (n=1.2) | 0 (0.0) | 0.5 (42.9) | 0.7 (57.1) | 4.8 |

* Cumulative baseline calculated as a weighted average over three years and may not represent whole numbers.

Note: Table does not include Group A Streptococcus identified from rapid diagnostic tests.

< Back to Key Findings
Active Duty
- No laboratory-positive influenza cases were identified among active duty service members.
- 8 active duty service members (7 Navy, 1 Marine) were dispensed AVs (all oseltamivir).

Recruits
- No laboratory-positive influenza cases were identified among recruits.
- No AVs were dispensed to recruits.

<table>
<thead>
<tr>
<th>Case Type</th>
<th>Active Duty</th>
<th>Recruits</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory</td>
<td>Navy 4</td>
<td>Marine Corps 1</td>
<td>5</td>
</tr>
<tr>
<td>Antiviral</td>
<td>16</td>
<td>4</td>
<td>20</td>
</tr>
</tbody>
</table>

Children
- Laboratory cases were at baseline; 3 laboratory-positive influenza cases were identified.
  - No cases were identified from an inpatient setting.
  - Outpatient cases identified at 3 different facilities, NH Camp Lejeune, NH Guam-Agana, and NH Yokosuka.
- AVs dispensed to children were above baseline estimates; 8 AVs were dispensed.
  - No AVs were dispensed in inpatient settings.
  - Location with most AVs dispensed: NH Camp Lejeune (3).

Children Influenza Laboratory Cases and AV Cases, DON Children

<table>
<thead>
<tr>
<th>Age</th>
<th>Laboratory Cases</th>
<th>Antiviral Prescriptions</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Cases</td>
<td>Rate (per 100,000)</td>
</tr>
<tr>
<td>0-4 years</td>
<td>2</td>
<td>1.66</td>
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<tr>
<td>5-17 years</td>
<td>1</td>
<td>0.36</td>
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</table>

In the News
- US influenza activity is low; however, widespread influenza activity continues in Guam. Details
- The FDA approved a high-dose quadrivalent influenza vaccine for adults of any age which will be available in 2017. Details