Overall Summary
The counts of laboratory-positive cases and antiviral prescriptions dispensed among all populations are lower than last week and below seasonal baselines.

Key Findings

Influenza Activity and Surveillance

Laboratory
- Laboratory-positive influenza cases were below baseline.
- 7 laboratory cases identified. Details

Antivirals (AVs)
- Dispensed AVs were below baseline.
- 20 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.
- One inpatient AV dispensed.
- No influenza cases reported to DRSi. Details

Coinfections
- One bacterial coinfection among laboratory-positive cases was identified. Details

Select Populations

Active Duty
- No laboratory-positive cases identified.
- 4 AVs dispensed. Details

Recruits
- No laboratory-positive cases identified.
- No AVs dispensed. Details
- Febrile respiratory illness below expected values at all DON training centers. NHRC Report

Children
- Laboratory cases among children were below baseline. Details

Active Duty Vaccination Rates

Navy .................. 35.4%
Marine Corps ........ 30.6%
US Fleet Forces ..... 40.4%

View Table
**Overall Burden**

- The weekly burden of influenza in the DON was 25 cases, identified in one or more data sources.
- Pharmacy captured the highest proportion of cases (80.0%). One case was identified in all three sources.
- Since Week 38, 176 DON cases have been identified.

*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 below baseline with 7 cases, lower than the count of the previous week.
- Influenza case types: A (6), B (0), and A and B (1).
- Facilities with the greatest number of cases:
  - Current week: NH Camp Lejeune (3), 60th Med Grp-Travis, NH Naples, NH Guam-Agana, NH Okinawa (all with 1 case).
  - Season: NH Camp Lejeune (10), NH Guam-Agana (6), AMC Tripler_Shafter (4).

**Specimen Positivity**

- 2.5% of all influenza specimens tested; lower than the same time last season (4.1%).
- Facilities testing more than 10 specimens: 7 (25%).

**Antiviral Prescriptions**

- AVs dispensed were below baseline; AVs decreased from the prior week.
- 20 AVs (19 oseltamivir, 1 amantadine) were dispensed.
- Facilities dispensing most AVs this week: NH Pensacola (2) and NMC San Diego (2).
- The majority (93.4%) of prescriptions for the season have been for oseltamivir.
Syndromic Surveillance

Influenza-Like Illness (ILI) *
- The percentage of medical encounters that included an ILI diagnosis:
  - 2.9% of outpatient encounters (below baseline).
  - 9.9% of ER admissions (below baseline).
- 11 DON facilities (39.3%) reported an increase in the proportion of outpatient ILI visits from the prior week.
  - Five facilities had an increase above 25%.
  - Naval Health Clinic Charleston (72.5%) had the highest increase.

Severity Indicators

Inpatient Laboratory
- No influenza-positive laboratory cases were identified in the inpatient setting.

Inpatient Pharmacy
- The percentage of inpatient AVs (5.0% of all influenza AVs) was below baseline (11.7%).
- One inpatient AV was dispensed to a non-active duty sponsor at AMC Brooke-SAMMC-Sam Houston.

Influenza-Associated Hospitalization Reports
- No influenza cases were reported to DRSi for influenza-associated hospitalizations.

Bacterial Coinfections
- Coinfections among laboratory-identified influenza cases are above baseline.
- 1 coinfection was identified this week.
- The coinfection identified was from a non-respiratory specimen. Details
- No positive rapid strep tests were identified among influenza cases.

<table>
<thead>
<tr>
<th>Bacterial Coinfections by Specimen Source and as a Percent of Laboratory Cases, 2015-2016 Season</th>
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<tbody>
<tr>
<td><strong>Coinfections by Specimen Source, n (%)</strong></td>
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<tr>
<td><strong>Lab Cases with Bacterial Coinfection (%)</strong></td>
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<tr>
<td><strong>Upper Respiratory</strong></td>
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<tr>
<td><em><em>Cumulative Baseline</em> (n=92)</em>*</td>
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</tbody>
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Cumulative baseline calculated as a weighted average over three years and may not represent whole numbers.
Note: Table does not included Group A Streptococcus identified from rapid diagnostic tests.
Active Duty
- No laboratory-positive influenza cases were identified among active duty service members.
- 4 active duty service members (2 Navy, 2 Marines) were dispensed AVs (all oseltamivir) during Week 41.

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

<table>
<thead>
<tr>
<th>Case Type</th>
<th>Active Duty</th>
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<th>Total</th>
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<tbody>
<tr>
<td></td>
<td>Navy</td>
<td>Marine Corps</td>
<td>Navy</td>
<td>Marine Corps</td>
<td></td>
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<tr>
<td>Laboratory</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>8</td>
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<td>Antiviral</td>
<td>17</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>27</td>
</tr>
</tbody>
</table>

Children
- 3 laboratory-positive influenza cases were identified, below baseline.
  - No cases were identified from an inpatient setting.
  - Outpatient cases identified at 3 different facilities: NH Okinawa, NH Naples, NH Guam-Agana
- AVs dispensed to children are below baseline estimates; 3 AVs were dispensed.
  - No AVs were dispensed in inpatient settings.
  - Locations with most AVs dispensed: 375th Med Grp-Scott, NH Guam-Agana, NH Naples (all 1 AV dispensed).

In the News
- The CDC reports that influenza activity in the continental US is low and ILI encounters are below baseline. However, there is widespread influenza activity in Guam. Details