**Weekly Highlights**

- Overall influenza activity in the DON is **low**.
- Laboratory-positive cases and dispensed antivirals are **low** and the trend has remained the same over the prior 2 weeks. The percent of outpatient visits for ILI are **normal** and the trend has decreased over the prior 2 weeks.
- Inpatient activity for laboratory-positive cases (N=2) is **normal**, while inpatient activity for dispensed antivirals is (N=2) is **low**.

**Influenza Surveillance Indicators**

<table>
<thead>
<tr>
<th>Overview</th>
<th>Trend</th>
<th>Activity Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Cases</td>
<td></td>
<td>Low</td>
</tr>
<tr>
<td>Dispensed Antivirals</td>
<td></td>
<td>Low</td>
</tr>
<tr>
<td>ILI Outpatient Visits</td>
<td></td>
<td>Normal</td>
</tr>
</tbody>
</table>

**Severity**

- Inpatient Laboratory Cases: 2 cases, **normal**
- Inpatient Dispensed Antivirals: 2 cases, **low**

**Active Duty and Recruits**

- Active Duty Laboratory Cases: 20 cases, **normal**
- Active Duty Dispensed Antivirals: 6 cases, **normal**
- Recruit Laboratory Cases: 2 cases, **low**
- Recruit Dispensed Antivirals: 0 cases, **low**

**Overall Burden (Data Lagged, Week 15)**

**DON Total Influenza Cases from Laboratory, Pharmacy and Encounter Data**

**Supporting Surveillance**

**DOD Seasonal Influenza Surveillance Summary (AFHSB)**

- Influenza activity continued to decrease among beneficiaries to low activity levels.
- ILI activity decreased slightly, but remained high.
- Access the full report [here](#).

Data from NH Oak Harbor, NH Bremerton, NHC Lemoore, AMC Madigan, AHC Monterey, AHC Fairchild, Mountain Home AFH, and Travis AFB are not captured due to the transition to MHS GENESIS.
Laboratory Surveillance

- **Burden:** Laboratory-positive influenza cases (N=45) are low and below the seasonal threshold. While the trend over the past two weeks has remained the same, the number of laboratory-positive cases has increased from the prior week by 40.6%.
- **Specimens:** Overall percent positivity is 7.2%, with 86.7% of cases identified as influenza A.
- **Severity:** 2 inpatient laboratory-positive cases were identified in spouses (N=2).
- **Age:** Children ages 0-4 had the highest rate of laboratory-positive influenza cases at 3.9 cases per 100,000 persons, while adults ages 18-44 had the second highest rate at 3.3 cases per 100,000 persons.
- **Location:** NMC Camp Lejeune (N=30), NHC Cherry Point (N=6), NH Beaufort (N=3), and NH Jacksonville (N=2) had the highest number of laboratory-positive cases for the week.

Data sources: HL7-formatted CHCS chemistry and microbiology databases. Denominators for rates are from M2 eligibility records.

DON Laboratory-Positive Influenza Cases and Seasonal Baseline, 2019 - 2020 Season

DON Laboratory-Positive Cases, Seasonal Comparison, 2014-2019

DON Laboratory-Positive Influenza Specimens, by Type

DON Laboratory-Positive Case Rates by Age Group

Note: Season counts are since Week 37.
Antiviral Surveillance

- **Burden:** Dispensed antivirals (N=11) are low and below the seasonal threshold. The trend over the past two weeks has decreased. The number of dispensed antivirals decreased from the prior week by 50%.
- **Severity:** 2 inpatient dispensed antivirals were identified in spouses (N=2).
- **Types:** All dispensed AVs were for oseltamivir.
- **Location:** NMC Camp Lejeune (N=3) had the highest number of dispensed antivirals for the week.

Data sources: HL7-formatted CHCS chemistry and microbiology databases.

Top MTFs, Dispensed Antivirals, Week 16

Image not available due to low frequencies.

Top MTFs, Dispensed Antivirals, 2019 - 2020 Season

Outpatient Antiviral Prophylaxis

- **Treatment:** All of the antiviral prescriptions dispensed in Week 16 were for treatment of influenza or influenza symptoms.
- **Prophylaxis:** None of the antiviral prescriptions dispensed in Week 16 were for prevention of influenza or influenza symptoms.

Data source: HL7-formatted CHCS pharmacy databases

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DON Active Duty and Recruits

- **AD Laboratory Cases:** 20 laboratory-positive cases were identified among AD Sailors (N=6) and Marines (N=14).
- **AD Dispensed Antivirals:** 6 dispensed antivirals were identified among AD Sailors (N=3) and Marines (N=3).
- **Recruits:** 2 laboratory-positive cases were identified among recruits. No dispensed antivirals were identified among recruits.
- **Location (Active Duty):** Laboratory-positive cases among active duty Sailors or Marines occurred most frequently at NMC Camp Lejeune (N=13), and NHC Cherry Point (N=3).
- **Location (Recruits):** Laboratory-positive cases among recruit Sailors or Marines occurred most frequently at NH Beaufort (N=2).
- **Vaccination Status:** 20 AD laboratory-positive cases (100.0%) had a vaccination record more than fourteen days prior to infection.

Data Sources: HL7-formatted CHCS chemistry, microbiology and pharmacy databases, MRRS and ITS.

Laboratory-Positive Cases Among DON Active Duty Service Members, 2019 - 2020 Season

DON Active Duty and Recruit Cases

<table>
<thead>
<tr>
<th></th>
<th>Laboratory</th>
<th>Dispensed AVs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 16</td>
<td>Season</td>
</tr>
<tr>
<td>Total Cases</td>
<td>22</td>
<td>2,874</td>
</tr>
<tr>
<td>Navy AD</td>
<td>6</td>
<td>1,542</td>
</tr>
<tr>
<td>Marine Corps AD</td>
<td>14</td>
<td>950</td>
</tr>
<tr>
<td>Navy Recruit</td>
<td>0</td>
<td>210</td>
</tr>
<tr>
<td>Marine Corps Recruit</td>
<td>2</td>
<td>172</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.

In the News

- The CDC is reporting that nationally, influenza activity is low, and ILI activity is lower but still elevated. Details.

Methods and Data Sources

The Influenza SITREP methods can be found here.

- HL7 formatted CHCS data from microbiology and chemistry data are available from 2004 to present. HL7 formatted CHCS data from pharmacy databases are available from 2006 to present.
- Data from NH Oak Harbor, Bremerton, and Lemoore; AMC Madigan and AHC Monterey; and Fairchild, Mt. Home and Travis AFB are not captured due to transition to MHS GENESIS.
- ILI encounters are defined as those where an ILI ICD-10-CM code, per AFHSB, is found in any diagnostic position. The ICD-10-CM codes in the AFHSB definition include: B97.89, H66.9, H66.90, H66.91, H66.92, H6693, J00, J01.9, J01.90, J06.9, J09, J09.X, J09.X1, J09.X2, J09.X3, J09.X9, J10, J10.0, J10.00, J10.01, J10.08, J10.1, J10.2, J10.8, J10.81, J10.82, J10.83, J10.89, J11, J11.0, J11.00, J11.08, J11.1, J11.2, J11.8, J11.81, J11.82, J11.83, J11.89, J12.89, J12.9, J18, J18.1, J18.8, J18.9, J20.9, J40, R05, R50.9
- The “Overall Burden” and ILI figures are lagged one week due to encounter data availability.
- Prepared by the EpiData Center on 20APR20.