**Weekly Highlights**

- Overall influenza activity in the DON is **low**.
- Laboratory-positive cases, dispensed antivirals, and the percent of outpatient visits for ILI are **low** and the trend has remained the same over the prior two weeks.
- Inpatient activity for both laboratory-positive cases (N=0) and inpatient dispensed antivirals (N=1) are **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>N 24</td>
<td>Low</td>
</tr>
<tr>
<td>Dispensed Antivirals</td>
<td>N 3</td>
<td>Low</td>
</tr>
<tr>
<td>ILI Outpatient Visits</td>
<td>% 2.5</td>
<td>Low</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Severity</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient Laboratory Cases</td>
<td>N 0</td>
<td>Low</td>
</tr>
<tr>
<td>Inpatient Dispensed Antivirals</td>
<td>N 1</td>
<td>Low</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Active Duty and Recruits</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Duty Laboratory Cases</td>
<td>N 15</td>
<td>Normal</td>
</tr>
<tr>
<td>Active Duty Dispensed Antivirals</td>
<td>N 0</td>
<td>Low</td>
</tr>
<tr>
<td>Recruit Laboratory Cases</td>
<td>N 0</td>
<td>Low</td>
</tr>
<tr>
<td>Recruit Dispensed Antivirals</td>
<td>N 0</td>
<td>Low</td>
</tr>
</tbody>
</table>

**Overall Burden (Data Lagged, Week 16)**

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

**Supporting Surveillance**

DOD Seasonal Influenza Surveillance Summary (AFHSB)

Week 16 highlights:
- Influenza activity is continuing to experience low activity levels.
- 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=24) 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 decreased from the prior week by 48.9%.

- **Specimens:** Overall percent positivity is 3.9%, with 75.0% of cases identified as influenza A.

- **Severity:** No inpatient laboratory-positive cases were identified.

- **Age:** Adults ages 18-44 had the highest rate of laboratory-positive influenza cases at 1.9 cases per 100,000 persons, while children ages 5-17 had the second highest rate at 0.3 cases per 100,000 persons.

- **Location:** NMC Camp Lejeune (N=15), and NHC Cherry Point (N=4) 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.
Antiviral Surveillance

- **Burden:** Dispensed antivirals (N=3) are low and below the seasonal threshold.
- **Severity:** One inpatient dispensed antiviral case was identified in a spouse (N=1).
- **Types:** All dispensed AVs were for oseltamivir.
- **Location:** NMC Camp Lejeune, NHC Annapolis, and NHC Cherry Point each had 1 dispensed antiviral for the week.

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

### Top MTFs, Dispensed Antivirals, Week 17

- NMC ANNAPOLIS: 1
- NMC CHERY POINT: 1
- NMC CAMP LEJEUNE: 1

### Top MTFs, Dispensed Antivirals, 2019 - 2020 Season

- NMC PORTSMOUTH: 1290
- NH-PENSACOLA: 1194
- NMC SAN DIEGO: 1015
- NH-JACKSONVILLE: 730
- NMC CAMP LEJEUNE: 579
- NHC CAMP PENDLETON: 574
- WALTER REED NATL MIL MED CNTR: 470

**Note:** Season counts are since Week 37.

### Influenza-Like Illness (Data Lagged, Week 16)

- **All outpatient:** Influenza-like illness (ILI) activity is low. The percentage of outpatient medical encounters due to ILI was 2.5% in Week 16, below the surveillance threshold of 4.1%.
- **Note:** ILI activity is used to indicate the burden of ILI on healthcare resources.

Data source: CAPER

### Outpatient Antiviral Prophylaxis

- **Treatment:** The majority (100.0%) of antiviral prescriptions in Week 17 were for treatment of influenza or influenza symptoms.
- **Prophylaxis:** 0.0% (N=0) of antiviral prescriptions in Week 17 were for prevention of influenza or influenza symptoms.

Data source: HL7-formatted CHCS pharmacy databases

### Outpatient Medical Encounters due to ILI, Week 16

### Outpatient Antiviral Prophylaxis Prescriptions
DON Active Duty and Recruits

- **AD Laboratory Cases**: 15 laboratory-positive cases were identified among AD Sailors (N=1) and Marines (N=14).
- **AD Dispensed Antivirals**: No dispensed antivirals were identified among AD Sailors or Marines.
- **Recruits**: No laboratory-positive cases or 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=10), NHC Cherry Point (N=2), NH Okinawa (N=1), NHC Charleston (N=1), and NHC Patuxent River (N=1).
- **Location (Recruits)**: No laboratory-positive cases occurred among recruit Sailors or Marines.
- **Vaccination Status**: 15 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

- **Navy**
- **Navy Berthing**
- **Marine Corps**
- **Marine Corps Baseline**

### DON Active Duty and Recruit Cases

<table>
<thead>
<tr>
<th></th>
<th>Laboratory</th>
<th>Dispensed AVs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Cases</strong></td>
<td>15</td>
<td>2,889</td>
</tr>
<tr>
<td><strong>Navy AD</strong></td>
<td>1</td>
<td>1,543</td>
</tr>
<tr>
<td><strong>Marine Corps AD</strong></td>
<td>14</td>
<td>964</td>
</tr>
<tr>
<td><strong>Navy Recruit</strong></td>
<td>0</td>
<td>210</td>
</tr>
<tr>
<td><strong>Marine Corps Recruit</strong></td>
<td>0</td>
<td>172</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.

### In the News

- The CDC reported that during Week 16 that laboratory confirmed flu activity as reported by clinical laboratories was low. [Details.](#)
- A study of US national data shows that adults 80 and older and those 20 to 64 years old are more likely to die in the first 30 days of flu-related hospitalization than those aged 65 to 79. [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, J12.9, 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 27APR20.