Weekly Highlights

- Overall influenza activity in the DON is normal.
- Laboratory-positive cases and the percent of outpatient visits for ILI are normal. Dispensed antivirals are elevated and the trend has decreased over the prior two weeks.
- Inpatient activity for both laboratory-positive cases (N=2) and inpatient dispensed antivirals (N=12) is normal.
- No data was available on 3/7/2020.

Influenza Surveillance Indicators

**Overview**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
<th>Trend</th>
<th>Activity Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Cases</td>
<td>N 442</td>
<td></td>
<td>Normal</td>
</tr>
<tr>
<td>Dispensed Antivirals</td>
<td>N 603</td>
<td></td>
<td>Elevated</td>
</tr>
<tr>
<td>ILI Outpatient Visits</td>
<td>% 3.8</td>
<td></td>
<td>Normal</td>
</tr>
</tbody>
</table>

**Severity**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
<th>Trend</th>
<th>Activity Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient Laboratory Cases</td>
<td>N 2</td>
<td></td>
<td>Normal</td>
</tr>
<tr>
<td>Inpatient Dispensed Antivirals</td>
<td>N 12</td>
<td></td>
<td>Normal</td>
</tr>
</tbody>
</table>

**Active Duty and Recruits**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
<th>Trend</th>
<th>Activity Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Duty Laboratory Cases</td>
<td>N 148</td>
<td></td>
<td>Elevated</td>
</tr>
<tr>
<td>Active Duty Dispensed Antivirals</td>
<td>N 167</td>
<td></td>
<td>Elevated</td>
</tr>
<tr>
<td>Recruit Laboratory Cases</td>
<td>N 7</td>
<td></td>
<td>Normal</td>
</tr>
<tr>
<td>Recruit Dispensed Antivirals</td>
<td>N 4</td>
<td></td>
<td>Elevated</td>
</tr>
</tbody>
</table>

Overall Burden (Data Lagged, Week 9)

DON Total Influenza Cases from Laboratory, Pharmacy and Encounter Data

Supporting Surveillance

DOD Seasonal Influenza Surveillance Summary (AFHSB)

Week 10 highlights:

- ILI activity remained minimal. The majority of specimens continued to be influenza A.
- 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=442) are normal and above 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 15.2%.

- **Specimens:** Overall percent positivity is 24.9%, with 75.4% of cases identified as influenza A.

- **Severity:** 2 inpatient laboratory-positive cases were identified in sponsors (N=2).

- **Age:** Children ages 0-4 had the highest rate of laboratory-positive influenza cases at 35 cases per 100,000 persons, while children ages 5-17 had the second highest rate at 32.4 cases per 100,000 persons.

- **Location:** NMC Camp Lejeune (N=82), NMC Portsmouth (N=30), NH Pensacola (N=27), and NH Jacksonville (N=26) 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=603) are elevated and above the seasonal threshold. The trend over the past two weeks has decreased. The number of dispensed antivirals decreased from the prior week by 12.1%.

- **Severity:** 12 inpatient dispensed antivirals were identified in sponsors (N=5), spouses (N=4), and children (N=3).

- **Types:** Dispensed AVs consisted of 2 baloxavir and 601 oseltamivir.

- **Location:** NMC Portsmouth (N=81), NH Pensacola (N=68), NH Jacksonville (N=37), NMC Camp Lejeune (N=36), and Walter Reed Natl Mil Med Cntr (N=33) had the highest number of dispensed antivirals for the week.

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

### Top MTFs, Dispensed Antivirals, Week 10

- NMC PORTSMOUTH: 81
- NH PENSAOLA: 68
- NH JACKSONVILLE: 37
- NMC CAMP LEJEUNE: 36
- WALTER REED NATL MIL MED CNTR: 33
- NMC SAN DIEGO: 29
- NMC HARBIN: 23

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

- NMC PORTSMOUTH: 1140
- NH PENSAOLA: 1077
- NMC SAN DIEGO: 969
- NH JACKSONVILLE: 740
- NH CAMP PENDLETON: 513
- NMC CAMP LEJEUNE: 491
- WALTER REED NATL MIL MED CNTR: 424

Data sources: HL7-formatted CHCS pharmacy databases

### Influenza-Like Illness (Data Lagged, Week 9)

- **All outpatient:** Influenza-like illness (ILI) activity is normal. The percentage of outpatient medical encounters due to ILI was 3.8% in Week 9, 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 (87.6%) of antiviral prescriptions in Week 10 were for treatment of influenza or influenza symptoms.

- **Prophylaxis:** 12.4% (N=73) of antiviral prescriptions in Week 10 were for prevention of influenza or influenza symptoms.

Data source: HL7-formatted CHCS pharmacy databases

### Outpatient Medical Encounters due to ILI, Week 9

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

- **AD Laboratory Cases**: 148 laboratory-positive cases were identified among AD Sailors (N=89) and Marines (N=59).
- **AD Dispensed Antivirals**: 167 dispensed antivirals were identified among AD Sailors (N=117) and Marines (N=50).
- **Recruits**: 7 laboratory-positive cases and 4 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=22), NHC Quantico (N=10), NHC Annapolis (N=10), NH Camp Pendleton (N=10), and NH Pensacola (N=10).
- **Location (Recruits)**: Laboratory-positive cases among recruit Sailors or Marines occurred most frequently at James A Lovell FHCC (N=3), NH Beaufort (N=2), NH Camp Pendleton (N=1), and NHC Charleston (N=1).
- **Vaccination Status**: 130 AD laboratory-positive cases (87.8%) had a vaccination record more than fourteen days prior to infection.

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

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

![Graph showing 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 10</td>
<td>Season</td>
</tr>
<tr>
<td><strong>Total Cases</strong></td>
<td>155</td>
<td>2,463</td>
</tr>
<tr>
<td><strong>Navy AD</strong></td>
<td>89</td>
<td>1,367</td>
</tr>
<tr>
<td><strong>Marine Corps AD</strong></td>
<td>59</td>
<td>753</td>
</tr>
<tr>
<td><strong>Navy Recruit</strong></td>
<td>4</td>
<td>201</td>
</tr>
<tr>
<td><strong>Marine Corps Recruit</strong></td>
<td>3</td>
<td>142</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.

**In the News**

- The CDC reports that outpatient ILI and clinical laboratory data remain elevated but decreased for the third week in a row. [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 11MAR20.