**Weekly Highlights**

- Overall influenza activity in the DON is **normal**.
- Laboratory-positive cases and dispensed antivirals are **normal** and the trend has remained the same over the prior 2 weeks. The percent of outpatient visits for ILI are **elevated** and the trend has remained the same over the prior 2 weeks.
- Inpatient activity for both laboratory-positive cases (N=3) and inpatient dispensed antivirals (N=20) is **normal**.
- Active Duty laboratory cases and dispensed antivirals are **elevated**.

**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></td>
</tr>
<tr>
<td>N</td>
<td>365</td>
<td>Normal</td>
</tr>
<tr>
<td>Dispensed Antivirals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>460</td>
<td>Normal</td>
</tr>
<tr>
<td>ILI Outpatient Visits</td>
<td>%</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td><strong>Elevated</strong></td>
</tr>
</tbody>
</table>

**Severity**

- Inpatient Laboratory Cases: N=3, **Normal**
- Inpatient Dispensed Antivirals: N=20, **Normal**

**Active Duty and Recruits**

- Active Duty Laboratory Cases: N=134, **Elevated**
- Active Duty Dispensed Antivirals: N=126, **Elevated**
- Recruit Laboratory Cases: N=4, **Normal**
- Recruit Dispensed Antivirals: N=3, **Normal**

**Overall Burden (Data Lagged, Week 1)**

**Supporting Surveillance**

DOD Seasonal Influenza Surveillance Summary (AFHSB)

Week 1 highlights:

- No recent updates available at this time

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=365) 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 increased from the prior week by 3.1%.

- **Specimens**: Overall percent positivity is 27.0%, with 49.2% of cases identified as influenza A.

- **Severity**: 3 inpatient laboratory-positive cases were identified in a spouse (N=1), a child (N=1), and a sponsor (N=1).

- **Age**: Children ages 0-4 had the highest rate of laboratory-positive influenza cases at 31.1 cases per 100,000 persons, while adults ages 18-44 had the second highest rate at 19.7 cases per 100,000 persons.

- **Location**: NMC San Diego (N=55), NH Jacksonville (N=39), NH Camp Pendleton (N=37), NMC Camp Lejeune (N=25), and NHC Annapolis (N=22) 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 Lab Positive Lab Cases (Severity)
**Antiviral Surveillance**

- **Burden:** Dispensed antivirals (N=460) are normal 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 3%.
- **Severity:** 20 inpatient dispensed antivirals were identified in sponsors (N=9), children (N=7), and spouses (N=4).
- **Types:** Dispensed AVs consisted of 1 baloxavir and 459 oseltamivir.
- **Location:** NMC San Diego (N=73), NMC Portsmouth (N=47), NH Camp Pendleton (N=41), NH Jacksonville (N=39), and NH Pensacola (N=32) had the highest number of dispensed antivirals for the week.

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

**Top MTFs, Dispensed Antivirals, Week 2**

- NMC San Diego: 73
- NMC Portsmouth: 47
- NH Camp Pendleton: 41
- NH Jacksonville: 39
- NH Pensacola: 32
- NH Annapolis: 19
- NMC Camp Lejeune: 16

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

- NH Pensacola: 532
- NMC Portsmouth: 414
- NH Jacksonville: 391
- NMC San Diego: 350
- NH Camp Pendleton: 180
- NMC Camp Lejeune: 187

Note: Season counts are since Week 37.

**Influenza-Like Illness (Data Lagged, Week 1)**

- **All outpatient:** Influenza-like illness (ILI) activity is elevated. The percentage of outpatient medical encounters due to ILI was 6% in Week 1, above the surveillance threshold of 4.1%.
- **Note:** ILI activity is used to indicate the burden of ILI on healthcare resources.

Data source: CAPER

**Outpatient Medical Encounters due to ILI, Week 1**

**DON Influenza Specific Antiviral Prescriptions and Seasonal Baseline, 2019 - 2020 Season**

**DON Inpatient Dispensed Antivirals (Severity)**

**Outpatient Antiviral Prophylaxis**

- **Treatment:** The majority (93.6%) of antiviral prescriptions in Week 2 were for treatment of influenza or influenza symptoms.
- **Prophylaxis:** 6.4% (N=28) of antiviral prescriptions in Week 2 were for prevention of influenza or influenza symptoms.

Data source: HL7-formatted CHCS pharmacy databases

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

- **AD Laboratory Cases:** 134 laboratory-positive cases were identified among AD Sailors (N=89) and Marines (N=45).
- **AD Dispensed Antivirals:** 126 dispensed antivirals were identified among AD Sailors (N=95) and Marines (N=31).
- **Recruits:** 4 laboratory-positive cases and 3 dispensed antivirals were identified among recruits.
- **Location (Active Duty):** Laboratory-positive cases among active duty Sailors or Marines occurred most frequently at NH Jacksonville (N=19), NMC San Diego (N=15), and NH Camp Pendleton (N=14).
- **Location (Recruits):** Laboratory-positive cases among recruit Sailors or Marines occurred most frequently at NH Camp Pendleton (N=2), James A Lovell FHCC (N=1), and NH Twentynine Palms (N=1).
- **Vaccination Status:** 116 AD laboratory-positive cases (86.6%) 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>Laboratory</th>
<th>Dispensed AVs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 2</td>
<td>Season</td>
</tr>
<tr>
<td>Total Cases</td>
<td>138</td>
</tr>
<tr>
<td>Navy AD</td>
<td>89</td>
</tr>
<tr>
<td>Marine Corps AD</td>
<td>45</td>
</tr>
<tr>
<td>Navy Recruit</td>
<td>1</td>
</tr>
<tr>
<td>Marine Corps Recruit</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.

### In the News

- A new study on influenza suggests adults who were first exposed to H3N2 influenza A in the late 60's and early 70's are more susceptible to infection of influenza A H3N2. [Details.](#)
- The CDC is reporting 5 pediatric deaths occurred during week 1. [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 14JAN20.