Weekly Highlights

- Overall influenza activity in the DON is **normal**.
- Laboratory-positive cases are **normal** and the trend has remained the same over the prior two weeks. Dispensed antivirals and the percent of outpatient visits for ILI are **elevated** and the trend has remained the same over the prior weeks.
- Inpatient activity for both laboratory-positive cases (N=7) and inpatient dispensed antivirals (N=23) is **normal**.
- Active duty and recruit laboratory positive 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>Normal</td>
</tr>
<tr>
<td>Dispensed Antivirals</td>
<td></td>
<td>Elevated</td>
</tr>
<tr>
<td>ILI Outpatient Visits</td>
<td></td>
<td>Elevated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Severity</th>
<th></th>
<th>Activity Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient Laboratory Cases</td>
<td></td>
<td>Normal</td>
</tr>
<tr>
<td>Inpatient Dispensed Antivirals</td>
<td></td>
<td>Normal</td>
</tr>
</tbody>
</table>

Active Duty and Recruits

| Active Duty Laboratory Cases     |       | Elevated       |
| Active Duty Dispensed Antivirals |       | Elevated       |
| Recruit Laboratory Cases         |       | Elevated       |
| Recruit Dispensed Antivirals     |       | Elevated       |

Overall Burden (Data Lagged, Week 5)

DON Total Influenza Cases from Laboratory, Pharmacy and Encounter Data

Supporting Surveillance

DOD Seasonal Influenza Surveillance Summary (AFHSB) Week 4 highlights:

- The majority of laboratory-confirmed influenza cases continued to be type B in NORTHCOM.
- 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=715) 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 3.9%.

- **Specimens:** Overall percent positivity is 31.9%, with 69.4% of cases identified as influenza A.

- **Severity:** 7 inpatient laboratory-positive cases were identified in children (N=4), sponsors (N=2), and a spouse (N=1).

- **Age:** Children ages 5-17 had the highest rate of laboratory-positive influenza cases at 55.5 cases per 100,000 persons, while children ages 0-4 had the second highest rate at 53.1 cases per 100,000 persons.

- **Location:** NMC Camp Lejeune (N=76), NH Jacksonville (N=56), James A Lovell FHCC (N=55), Ft Belvoir Community Hosp-FBCH (N=48), and NMC San Diego (N=47) 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.

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**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:** Dispersed antivirals (N=1,038) are elevated and above the seasonal threshold. The trend over the past two weeks has increased. The number of dispersed antivirals increased from the prior week by 8.8%.
- **Severity:** 23 inpatient dispersed antivirals were identified in sponsors (N=9), children (N=7), and spouses (N=7).
- **Types:** Dispersed AVs consisted of 4 baloxavir and 1,034 oseltamivir.
- **Location:** NMC Portsmouth (N=126), NH Pensacola (N=81), NMC San Diego (N=78), NH Jacksonville (N=71), and Ft Belvoir Community Hosp-FBCH(N=52) had the highest number of dispersed antivirals for the week.

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

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

### DON Inpatient Dispensed Antivirals (Severity)

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

### Top MTFs, Dispensed Antivirals, Week 6

### Influenza-Like Illness (Data Lagged, Week 5)

- **All outpatient:** Influenza-like illness (ILI) activity is elevated. The percentage of outpatient medical encounters due to ILI was 4.2% in Week 5, comparable to 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 (89.5%) of antiviral prescriptions in Week 6 were for treatment of influenza or influenza symptoms.
- **Prophylaxis:** 10.5% (N=106) of antiviral prescriptions in Week 6 were for prevention of influenza or influenza symptoms.

Data source: HL7-formatted CHCS pharmacy databases

### Outpatient Medical Encounters due to ILI, Week 5

### Outpatient Antiviral Prophylaxis Prescriptions
• **AD Laboratory Cases:** 213 laboratory-positive cases were identified among AD Sailors (N=148) and Marines (N=65).

• **AD Dispensed Antivirals:** 243 dispensed antivirals were identified among AD Sailors (N=192) and Marines (N=51).

• **Recruits:** 22 laboratory-positive cases and 14 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), NH Jacksonville (N=18), NHC Quantico (N=18), James A Lovell FHCC (N=16), and NMC Portsmouth (N=13).

• **Location (Recruits):** Laboratory-positive cases among recruit Sailors or Marines occurred most frequently at James A Lovell FHCC (N=15), NH Beaufort (N=3), NH Camp Pendleton (N=2), and NMC San Diego (N=2).

• **Vaccination Status:** 192 AD laboratory-positive cases (90.1%) 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

<table>
<thead>
<tr>
<th></th>
<th>Laboratorv Positive Cases</th>
<th>Dispensed Antivirals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>235</td>
<td>257</td>
</tr>
<tr>
<td>Navy</td>
<td>148</td>
<td>192</td>
</tr>
<tr>
<td>Marine Corps</td>
<td>65</td>
<td>51</td>
</tr>
<tr>
<td>Navy Recruit</td>
<td>16</td>
<td>11</td>
</tr>
<tr>
<td>Marine Corps Recruit</td>
<td>6</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.

### In the News

- Flu activity within the United States remained high in week 5. [Details.](#)
- The CDC is reporting 10 pediatric deaths occurred during week 5. [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 11FEB20.