Weekly Highlights

- Overall influenza activity in the DON is normal.
- Laboratory-positive cases and dispensed antivirals are normal and the trend has decreased over the prior 2 weeks. The percent of outpatient visits for ILI are elevated and the trend has increased over the prior 2 weeks.
- Inpatient activity for both laboratory-positive cases (N=1) and inpatient dispensed antivirals (N=6) is low.
- ILI outpatient visits and active duty 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>N 201</td>
<td>Normal</td>
</tr>
<tr>
<td>Dispensed Antivirals</td>
<td>N 243</td>
<td>Normal</td>
</tr>
<tr>
<td>ILI Outpatient Visits</td>
<td>% 4.3</td>
<td>Elevated</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 1</td>
<td>Low</td>
</tr>
<tr>
<td>Inpatient Dispensed Antivirals</td>
<td>N 6</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 77</td>
<td>Normal</td>
</tr>
<tr>
<td>Active Duty Dispensed Antivirals</td>
<td>N 84</td>
<td>Elevated</td>
</tr>
<tr>
<td>Recruit Laboratory Cases</td>
<td>N 2</td>
<td>Low</td>
</tr>
<tr>
<td>Recruit Dispensed Antivirals</td>
<td>N 2</td>
<td>Low</td>
</tr>
</tbody>
</table>

Overall Burden (Data Lagged, Week 11)

DON Total Influenza Cases from Laboratory, Pharmacy and Encounter Data

Supporting Surveillance

DOD Seasonal Influenza Surveillance Summary (AFHSB)
Week 10 highlights:
- Four new hospitalizations were reported in Week 10.
- ILI activity remained high in all regions in Week 10.
- 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=201) are normal and above the seasonal threshold. The trend over the past two weeks has decreased. The number of laboratory-positive cases decreased from the prior week by 54.7%.

- **Specimens:** Overall percent positivity is 8.7%, with 64.4% of cases identified as influenza A.

- **Severity:** One inpatient laboratory-positive case was identified in a sponsor (N=1).

- **Age:** Children ages 0-4 had the highest rate of laboratory-positive influenza cases at 14.9 cases per 100,000 persons, while adults ages 18-44 had the second highest rate at 11.3 cases per 100,000 persons.

- **Location:** NMC Camp Lejeune (N=64), NH Jacksonville (N=15), and NMC Portsmouth (N=13) 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=243) 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 58.9%.
- **Severity:** 6 inpatient dispensed antivirals were identified in sponsors (N=3), spouses (N=2), and a child (N=1).
- **Types:** Dispensed AVs consisted of 2 baloxavir and 241 oseltamivir.
- **Location:** NH Camp Pendleton (N=34), NH Pensacola (N=34), NMC Portsmouth (N=30), NMC Camp Lejeune (N=24), and NH Jacksonville (N=13) had the highest number of dispensed antivirals for the week.

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

### DON Inpatient Dispensed Antivirals (Severity)

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

- NMC PORTSMOUTH: 1280
- NH PENSACOLA: 1177
- NMC SAN DIEGO: 1002
- NH JACKSONVILLE: 783
- NH CAMP PENDLETON: 572
- NMC CAMP LEJUNE: 361
- WALTER REED NATL MIL MED CNTR: 473

Note: Season counts are since Week 37.

### Influenza-Like Illness (Data Lagged, Week 11)

- **All outpatient:** Influenza-like illness (ILI) activity is elevated. The percentage of outpatient medical encounters due to ILI was 4.3% in Week 11, 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 Antiviral Prophylaxis

- **Treatment:** The majority (89.8%) of antiviral prescriptions in Week 12 were for treatment of influenza or influenza symptoms.
- **Prophylaxis:** 10.2% (N=24) of antiviral prescriptions in Week 12 were for prevention of influenza or influenza symptoms.

Data source: HL7-formatted CHCS pharmacy databases
DON Active Duty and Recruits

- **AD Laboratory Cases:** 77 laboratory-positive cases were identified among AD Sailors (N=37) and Marines (N=40).
- **AD Dispensed Antivirals:** 84 dispensed antivirals were identified among AD Sailors (N=54) and Marines (N=30).
- **Recruits:** 2 laboratory-positive cases and 2 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=6), NMC Portsmouth (N=6), NHC Hawaii (N=6), and NH Beaufort (N=5).
- **Location (Recruits):** Laboratory-positive cases among recruit Sailors or Marines occurred most frequently at James A Lovell FHCC (N=1), and NH Beaufort (N=1).
- **Vaccination Status:** 74 AD laboratory-positive cases (96.1%) 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

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 12</td>
<td>Season</td>
</tr>
<tr>
<td>Total Cases</td>
<td>79</td>
<td>2,743</td>
</tr>
<tr>
<td>Navy AD</td>
<td>37</td>
<td>1,499</td>
</tr>
<tr>
<td>Marine Corps AD</td>
<td>40</td>
<td>880</td>
</tr>
<tr>
<td>Navy Recruit</td>
<td>1</td>
<td>208</td>
</tr>
<tr>
<td>Marine Corps Recruit</td>
<td>1</td>
<td>156</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.

In the News

- The CDC is reporting an uptick in visits for ILI that are likely linked to COVID-19 from more people seeking care for respiratory illness. [Details](#).
- The CDC is reporting a continuing decrease in flu activity during week 11, with 5 reported pediatric deaths. [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, H66.93, 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 23MAR20.