Influenza Situation Report: 2019 - 2020 Season
Department of the Navy

Week 13 (March 22 - March 28, 2020)

Weekly Highlights

- Overall influenza activity in the DON is normal.
- Laboratory-positive cases are normal, dispensed antivirals low, and the percent of outpatient visits for ILI are elevated. Laboratory-positive cases are and the trend has decreased over the prior two weeks.
- Inpatient activity for both laboratory-positive cases (N=1) and inpatient dispensed antivirals (N=2) is low.
- ILI outpatient visits are elevated, however the COVID-19 pandemic may affect healthcare seeking behavior, impacting ILI levels.

Active Duty Vaccination Rates, 30 MAR 2020

Overview

<table>
<thead>
<tr>
<th>Indicator</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>Low</td>
</tr>
<tr>
<td>ILI Outpatient Visits</td>
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<td>Elevated</td>
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</tbody>
</table>

Severity

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Trend</th>
<th>Activity Level</th>
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</thead>
<tbody>
<tr>
<td>Inpatient Laboratory Cases</td>
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<td>Low</td>
</tr>
<tr>
<td>Inpatient Dispensed Antivirals</td>
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</tr>
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</table>

Active Duty and Recruits

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Trend</th>
<th>Activity Level</th>
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</thead>
<tbody>
<tr>
<td>Active Duty Laboratory Cases</td>
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<td>Normal</td>
</tr>
<tr>
<td>Active Duty Dispensed Antivirals</td>
<td></td>
<td>Normal</td>
</tr>
<tr>
<td>Recruit Laboratory Cases</td>
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<td>Normal</td>
</tr>
<tr>
<td>Recruit Dispensed Antivirals</td>
<td></td>
<td>Low</td>
</tr>
</tbody>
</table>

Influenza Surveillance Indicators

Overall Burden (Data Lagged, Week 12)

DON Total Influenza Cases from Laboratory, Pharmacy and Encounter Data

Supporting Surveillance

DOD Seasonal Influenza Surveillance Summary (AFHSB)

Week 12 highlights:

- Laboratory confirmed influenza cases and dispensed antiviral prescription counts decreased to low levels among active component service members.
- Influenza A continued to predominate among influenza positive specimens.
- 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=111) 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 50.9%.

- **Specimens:** Overall percent positivity is 5.5%, with 70.5% of cases identified as influenza A.

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

- **Age:** Children ages 0-4 had the highest rate of laboratory-positive influenza cases at 10.4 cases per 100,000 persons, while adults ages 18-44 had the second highest rate at 7.5 cases per 100,000 persons.

- **Location:** NMC Camp Lejeune (N=66), NH Beaufort (N=9), NHC Cherry Point (N=7), and NH Jacksonville (N=6) 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 Inpatient Laboratory Cases (Severity)

![Graph showing laboratory cases by severity]

### Top MTFs, Laboratory-Positive Cases, Week 13

<table>
<thead>
<tr>
<th>MTF</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMC CAMP LEJEUNE</td>
<td>66</td>
</tr>
<tr>
<td>NH BEAUFORT</td>
<td>9</td>
</tr>
<tr>
<td>NHC CHERRY POINT</td>
<td>7</td>
</tr>
<tr>
<td>NH JACKSONVILLE</td>
<td>6</td>
</tr>
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</table>

### Top MTFs, Laboratory-Positive Cases, 2019 - 2020 Season

<table>
<thead>
<tr>
<th>MTF</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMC CAMP LEJEUNE</td>
<td>184</td>
</tr>
<tr>
<td>NMC SAN DIEGO</td>
<td>712</td>
</tr>
<tr>
<td>NH JACKSONVILLE</td>
<td>695</td>
</tr>
<tr>
<td>NH CAMP PENDELTON</td>
<td>675</td>
</tr>
<tr>
<td>JAMES A LOVELL PHCC</td>
<td>574</td>
</tr>
<tr>
<td>NH PENNSACOLA</td>
<td>466</td>
</tr>
<tr>
<td>NMC PORTSMOUTH</td>
<td>442</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.
Antiviral Surveillance

- **Burden:** Dispensed antivirals (N=76) are low and below the seasonal threshold. The trend over the past two weeks has decreased. The number of dispensed antivirals decreased from the prior week by 70.1%.
- **Severity:** 2 inpatient dispensed antivirals were identified in a sponsor (N=1) and a spouse (N=1).
- **Types:** Dispensed AVs consisted of 3 baloxavir and 73 oseltamivir.
- **Location:** NMC Camp Lejeune (N=10), NH Pensacola (N=9), NH Jacksonville (N=8), NH Camp Pendleton (N=7), and NH Twentynine Palms (N=5) had the highest number of dispensed antivirals for the week.

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

Top MTFs, Dispensed Antivirals, Week 13

- NMC Camp Lejeune (N=10)
- NH Pensacola (N=9)
- NH Jacksonville (N=8)
- NH Camp Pendleton (N=7)
- NH Twentynine Palms (N=5)

Top MTFs, Dispensed Antivirals, 2019 - 2020 Season

- NMC Portsmouth (N=1290)
- NH Pensacola (N=1191)
- NMC San Diego (N=804)
- NH Jacksonville (N=797)
- NH Camp Pendleton (N=573)
- NH Camp Lejeune (N=573)
- Walter Reed Natl Mil Med Ctr (N=472)

Note: Season counts are since Week 37.

Influenza-Like Illness (Data Lagged, Week 12)

- **All outpatient:** Influenza-like illness (ILI) activity is elevated. The percentage of outpatient medical encounters due to ILI was 5.2% in Week 12, 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 12

- **Treatment:** The majority (93.0%) of antiviral prescriptions in Week 13 were for treatment of influenza or influenza symptoms.
- **Prophylaxis:** 7.0% (N=5) of antiviral prescriptions in Week 13 were for prevention of influenza or influenza symptoms.

Data source: HL7-formatted CHCS pharmacy databases

Outpatient Antiviral Prophylaxis Prescriptions

Prepared by the EpiData Center | email | web
Navy and Marine Corps Public Health Center

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DON Active Duty and Recruits

- AD Laboratory Cases: 48 laboratory-positive cases were identified among AD Sailors (N=15) and Marines (N=33).
- AD Dispensed Antivirals: 36 dispensed antivirals were identified among AD Sailors (N=22) and Marines (N=14).
- Recruits: 6 laboratory-positive cases were identified among recruits. No 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=26), NHC Cherry Point (N=5), NH Beaufort (N=4), NH Jacksonville (N=3), and NH Camp Pendleton (N=2).
- Location (Recruits): Laboratory-positive cases among recruit Sailors or Marines occurred most frequently at NH Beaufort (N=5), and NHC Charleston (N=1).
- Vaccination Status: 44 AD laboratory-positive cases (91.7%) 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

![Graph showing laboratory-positive cases among active duty service members over the 2019-2020 season.]

In the News

- The CDC is reporting ILI visits increased from 5.6% to 6.4% in week 12 and all regions are above their ILI baselines. Details.
- The CDC is reporting 6 influenza-associated pediatric deaths were reported in week 12. 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, J10.01, 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, J11.8, 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 30MAR20.