Weekly Highlights

- Overall influenza activity in the DON is low.
- Laboratory-positive cases, dispensed antivirals, and the percent of outpatient visits for ILI are low. The trend has remained the same over the prior two weeks.
- Inpatient activity for both laboratory-positive cases (N=0) and inpatient dispensed antivirals (N=1) is low.

Active Duty Vaccination Rates, 04 MAY 2020

**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 24</td>
<td>Low</td>
</tr>
<tr>
<td>Dispensed Antivirals</td>
<td>N 9</td>
<td>Low</td>
</tr>
<tr>
<td>ILI Outpatient Visits</td>
<td>% 2</td>
<td>Low</td>
</tr>
</tbody>
</table>

**Severity**

| Inpatient Laboratory Cases | N 0   | Low            |
| Inpatient Dispensed Antivirals | N 1   | Low            |

**Active Duty and Recruits**

| Active Duty Laboratory Cases   | N 14  | Normal         |
| Active Duty Dispensed Antivirals | N 3   | Low            |
| Recruit Laboratory Cases       | N 0   | Low            |
| Recruit Dispensed Antivirals    | N 0   | Low            |

**Overall Burden (Data Lagged, Week 17)**

**DON Total Influenza Cases from Laboratory, Pharmacy and Encounter Data**

**Supporting Surveillance**

**DOD Seasonal Influenza Surveillance Summary (AFHSB)**

- There continues to be low levels of influenza activity.
- 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=24) are low and below the seasonal threshold. The trend over the past two weeks has remained the same.
- **Specimens:** Overall percent positivity is 4.7%, with 66.7% of cases identified as influenza A.
- **Severity:** No inpatient laboratory-positive cases were identified.
- **Age:** Children ages 0-4 had the highest rate of laboratory-positive influenza cases at 1.9 cases per 100,000 persons, while adults ages 18-44 had the second highest rate at 1.7 cases per 100,000 persons.
- **Location:** NMC Camp Lejeune (N=18), NH Beaufort (N=3), NHC Hawaii (N=1), NH Rota (N=1), and NHC Patuxent River (N=1) 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

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DON Laboratory-Positive Cases, Seasonal Comparison, 2014-2019

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DON Laboratory-Positive Influenza Specimens, by Type

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DON Laboratory-Positive Case Rates by Age Group

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Top MTFs, Laboratory-Positive Cases, Week 18

- NMC CAMP LEJEUNE: 18 cases
- NH BEAUFORT: 3 cases
- NH ROTA: 1 case
- NHC HAWAII: 1 case
- NHC PATUXENT RIVER: 1 case

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

- NMC CAMP LEJEUNE: 1068 cases
- NMC SAN DIEGO: 713 cases
- NH JACKSONVILLE: 704 cases
- NH CAMP PENDLETON: 677 cases
- JAMES A. LOVELL FHCC: 514 cases
- NH PENSACOLA: 467 cases
- NMC PORTSMOUTH: 443 cases

Note: Season counts are since Week 37.
Antiviral Surveillance

- **Burden:** Dispensed antivirals (N=9) are low and below the seasonal threshold.
- **Severity:** One inpatient dispensed antivirals case was identified in a spouse (N=1).
- **Types:** Dispensed AVs consisted of 1 baloxavir and 8 oseltamivir.
- **Location:** NMC Camp Lejeune (N=3), AHC Moncrief-Jackson (N=3), NH Beaufort (N=1), AF-C-55th MEDGRP-Offutt (N=1), and NHC Hawaii (N=1) had the highest number of dispensed antivirals for the week.

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

Top MTFs, Dispensed Antivirals, Week 18

<table>
<thead>
<tr>
<th>MTF</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHC MONCRIEF-JACKSON</td>
<td>3</td>
</tr>
<tr>
<td>NMC CAMP LEJEUNE</td>
<td>3</td>
</tr>
<tr>
<td>AF-C-55th MEDGRP-OFFUTT</td>
<td>1</td>
</tr>
<tr>
<td>NH BEAUFORT</td>
<td>1</td>
</tr>
<tr>
<td>NHC HAWAII</td>
<td>1</td>
</tr>
</tbody>
</table>

Top MTFs, Dispensed Antivirals, 2019 - 2020 Season

<table>
<thead>
<tr>
<th>MTF</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMC PORTSMOUTH</td>
<td>1290</td>
</tr>
<tr>
<td>NH Pensacola</td>
<td>1194</td>
</tr>
<tr>
<td>NMC San Diego</td>
<td>1014</td>
</tr>
<tr>
<td>NH Jacksonville</td>
<td>790</td>
</tr>
<tr>
<td>NMC Camp Lejeune</td>
<td>582</td>
</tr>
<tr>
<td>NH Camp Pendleton</td>
<td>574</td>
</tr>
<tr>
<td>Walter Reed Natl Mil Med Ctr</td>
<td>469</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.

Influenza-Like Illness (Data Lagged, Week 17)

- **All outpatient:** Influenza-like illness (ILI) activity is low. The percentage of outpatient medical encounters due to ILI was 2% in Week 17, 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 Medical Encounters due to ILI, Week 17

- **Treatment:** The majority (71.4%) of antiviral prescriptions in Week 18 were for treatment of influenza or influenza symptoms.
- **Prophylaxis:** 28.6% (N=2) of antiviral prescriptions in Week 18 were for prevention of influenza or influenza symptoms.

Data source: HL7-formatted CHCS pharmacy databases

Outpatient Antiviral Prophylaxis Prescriptions

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

DON Inpatient Dispensed Antivirals (Severity)
DON Active Duty and Recruits

- **AD Laboratory Cases:** 14 laboratory-positive cases were identified among AD Sailors (N=3) and Marines (N=11).
- **AD Dispensed Antivirals:** 3 dispensed antivirals were identified among AD Sailors (N=2) and Marines (N=1).
- **Recruits:** No laboratory-positive cases or 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=11), NHC Hawaii (N=1), NH Beaufort (N=1), and NH Rota (N=1).
- **Location (Recruits):** No laboratory-positive cases occurred among recruit Sailors or Marines.
- **Vaccination Status:** 13 AD laboratory-positive cases (92.9%) 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**

**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 18</td>
<td>Season</td>
</tr>
<tr>
<td><strong>Total Cases</strong></td>
<td>14</td>
<td>2,903</td>
</tr>
<tr>
<td><strong>Navy AD</strong></td>
<td>3</td>
<td>1,546</td>
</tr>
<tr>
<td><strong>Marine Corps AD</strong></td>
<td>11</td>
<td>975</td>
</tr>
<tr>
<td><strong>Navy Recruit</strong></td>
<td>0</td>
<td>210</td>
</tr>
<tr>
<td><strong>Marine Corps Recruit</strong></td>
<td>0</td>
<td>172</td>
</tr>
</tbody>
</table>

Note: Season counts are since Week 37.

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**In the News**

- The CDC reported that during Week 17, laboratory confirmed flu activity as reported by clinical laboratories was low. [Details.](#)

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**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 04MAY20.