Continuing Education!
http://www.immunizedelaware.org/for-professionals/continuing-education-events/

Disease Prediction Project: Johns Hopkins
Public health experts, epidemiologists, clinicians and others with on-the-ground understanding of conditions surrounding disease outbreaks are invited to participate in a new disease prediction project developed by the Johns Hopkins Center for Health Security. This platform is designed to use collective intelligence to provide health security leaders with crowdsourced forecast data to inform their decision-making about infectious disease preparedness and response policies and interventions.

Register here: https://prod.lumenogic.com/jhchs/auth/register.html

CDC COCA Call: 2018-2019 Influenza Season and Recommendations for Clinicians

Tuesday, February 5, 2019
2:00 – 3:00 pm ET


NFID Webinar: Strategies to Increase Adult Vaccination Rates
Current US adult vaccination recommendations and strategies for increasing coverage in this population.

Wednesday, February 6, 2019
12:00 pm ET

Register here: https://cc.readytalk.com/registration/#/?meeting=mr4n9pwlvw&campaign=gruvouq50553
**Need a Flu Shot? Upcoming flu clinics:**

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>ADDRESS</th>
<th>COUNTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONDAYS – FRIDAYS</td>
<td>8:15a – 11:30a</td>
<td>Hudson State Service Center</td>
<td>501 Ogletown Road, Newark 302-283-7587</td>
<td>New Castle</td>
</tr>
<tr>
<td>MONDAYS – FRIDAYS</td>
<td>8:15a – 11:30a</td>
<td>Porter State Service Center</td>
<td>509 W. 8th Street, Wilmington 302-777-2860</td>
<td></td>
</tr>
<tr>
<td>MONDAYS WEDNESDAYS</td>
<td>1:00p – 3:00p</td>
<td>Milford State Service Center</td>
<td>253 NE Front Street, Milford 302-424-7130</td>
<td>Kent</td>
</tr>
<tr>
<td>MONDAYS – THURSDAYS</td>
<td>8:00a – 3:30p</td>
<td>Williams State Service Center</td>
<td>805 River Road, Dover 302-857-5140</td>
<td></td>
</tr>
<tr>
<td>MONDAYS – FRIDAYS</td>
<td>8:30a – 4:00p</td>
<td>Shipley State Service Center</td>
<td>350 Virginia Ave Seaford 302-628-6772</td>
<td>Sussex</td>
</tr>
<tr>
<td>THURSDAYS</td>
<td>9:00a – 11:00a</td>
<td>Adams State Service Center</td>
<td>544 S. Bedford St Georgetown 302-515-3174</td>
<td></td>
</tr>
</tbody>
</table>

**New CDC App!**

CDC recently launched an app to help vaccination providers quickly and easily determine which pneumococcal vaccines a patient needs and when. The PneumoRecs VaxAdvisor mobile app incorporates recommendations for all ages and will especially help with interpreting vaccination recommendations based on medical indications.

[http://www.cdc.gov/vaccines/pneumoapp](http://www.cdc.gov/vaccines/pneumoapp)

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**Week 4 (January 20-26, 2019):**

For the first time, the CDC is reporting in-season burden estimates of flu in the United States. Check out the latest update:

[https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm](https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm)

<table>
<thead>
<tr>
<th></th>
<th>Symptomatic Illnesses</th>
<th>Medical Visits</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/01/18 – 1/05/19</td>
<td>6,150,000 – 7,280,000</td>
<td>2,920,000 – 3,510,000</td>
<td>69,300 – 83,500</td>
</tr>
<tr>
<td>Through Jan 12</td>
<td>8,200,000 – 9,600,000</td>
<td>3,900,000 – 4,600,000</td>
<td>95,000 – 114,000</td>
</tr>
<tr>
<td>Through Jan 19</td>
<td>9,800,000 – 11,400,000</td>
<td>4,600,000 – 5,400,000</td>
<td>113,000 – 136,000</td>
</tr>
<tr>
<td>Through Jan 26</td>
<td>10,100,000 – 11,700,000</td>
<td>4,700,000 – 5,600,000</td>
<td>118,000 – 141,000</td>
</tr>
</tbody>
</table>
Influenza activity in the United States increased; influenza A(H1N1)pdm09, influenza A(H3N2), and influenza B viruses are co-circulating.

Influenza-like Illness (ILI) Activity:
- New York City and 23 states experienced high ILI activity.
- Puerto Rico and 10 states experienced moderate ILI activity.
- The District of Colombia and 13 states experienced low ILI activity.
- Four states (including Delaware) experienced minimal ILI activity.

Geographic Spread:
- Widespread influenza activity was reported by 45 states (including Delaware).
- Regional influenza activity was reported by Puerto Rico and 3 states.
- Local influenza activity was reported by 2 states.
- Sporadic influenza activity was reported by the District of Columbia and the U.S. Virgin Islands.
- Guam did not report.

<table>
<thead>
<tr>
<th>Specimens tested</th>
<th>Week 4</th>
<th>Since 9/30/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Specimens</td>
<td>6,042 (19.2%)</td>
<td>45,190 (9.2%)</td>
</tr>
<tr>
<td>Influenza A</td>
<td>5,922 (98.0%)</td>
<td>43,071 (95.3%)</td>
</tr>
<tr>
<td>Influenza B</td>
<td>120 (2.0%)</td>
<td>2,119 (4.7%)</td>
</tr>
</tbody>
</table>
In Delaware, there were 320 lab-confirmed cases of influenza. Delaware’s influenza activity level remains WIDESPREAD. There were 2 flu-related deaths.

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 4</td>
<td>Total</td>
</tr>
<tr>
<td>Delaware</td>
<td>320</td>
<td>1612</td>
</tr>
<tr>
<td>New Castle</td>
<td>149</td>
<td>649</td>
</tr>
<tr>
<td>Kent</td>
<td>64</td>
<td>432</td>
</tr>
<tr>
<td>Sussex</td>
<td>107</td>
<td>531</td>
</tr>
<tr>
<td>Deaths</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

**WHO Afro Outbreaks & Emergencies**

Week 4: January 19 - 25, 2019

- [https://apps.who.int/iris/bitstream/handle/10665/279866/OEW04-1925012019.pdf](https://apps.who.int/iris/bitstream/handle/10665/279866/OEW04-1925012019.pdf)
- New Events
- Ongoing Events
  - **DRC – Ebola Virus Disease** (733 cases, 459 deaths, CFR 63%). Forty-three new confirmed and five new probable cases have been reported, with an additional 43 deaths. To date, confirmed cases have been reported from 18 health zones; 12 of 18 have reported at least one new confirmed case in the past 21 days. Sixty-one health workers have been affected, with 21 deaths.
  - **Madagascar – Measles** (28,747 cases, 80 deaths, CFR 0.3%). The trend shows a marked decline. During the last week, all districts were below measles epidemic threshold.
- **Humanitarian Crisis**
  - **Nigeria.** The crisis in NE Nigeria has been ongoing for more than nine years, and massive population movement has been seen in the last three months.
  - **South Sudan.** Reductions in ongoing conflict have made progress since the peace agreement in September 2018, although the crisis continues. Humanitarian imports have been disrupted, violence against civilians, cattle raiding, and epidemic-prone diseases (measles, malaria, bloody diarrhea) continue.
WHO Disease Outbreak News (www.who.int/csr/don/en/)
- 1/30: UK – Gonococcal infection
- 1/31: DRC – Ebola Virus Disease

CDC Current Outbreak List (https://www.cdc.gov/outbreaks/index.html)
- Pet Hedgehogs – Salmonella (Jan 2019)

Travel Notices
- Argentina – Andes Virus / Hantavirus (watch)
- Kazakhstan – Measles (watch)
- Nigeria – Yellow Fever (watch)
- Mexico – Drug-Resistant Infections (alert)
- Lunar New Year (watch)
- India – Zika Virus (alert)


<table>
<thead>
<tr>
<th>As of January 2, 2019</th>
<th>US 2018</th>
<th>Cumulative Since 1/1/15</th>
<th>US Territories 2018</th>
<th>Cumulative Since 1/1/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travelers</td>
<td>64</td>
<td>5,460</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>231</td>
<td>116</td>
<td>37,157</td>
</tr>
<tr>
<td>Other Route</td>
<td>0</td>
<td>55</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>64</strong></td>
<td><strong>5,746</strong></td>
<td><strong>116</strong></td>
<td><strong>37,304</strong></td>
</tr>
</tbody>
</table>

From the Immunization Action Coalition

Issue 1408: January 30, 2019
http://www.immunize.org/express/issue1408.asp

Ask the Experts: Issue 1409: February 4, 2019
http://www.immunize.org/express/issue1409.asp

In other news…

Friends Don’t Let Friends Get Cervical Cancer
Global Health vs. Online Trolls

NIH Scientists Explore Tick Salivary Glands as Tool to Study Virus Transmission and Infection

Potential Rubella Exposure at Detroit Auto Show

Talking About HPV Pays Off
https://nfid.wordpress.com/2019/02/01/talking-about-hpv-pays-off/

Teens with Anti-Vax Parents Seek Out Reddit’s Help to Get Secretly Vaccinated

Today’s skepticism of vaccines could be as big of a health threat as HIV
https://www.usatoday.com/story/opinion/2019/02/01/washington-state-measles-vaccine-hesitancy-disease-threat-who-column/2715098002/

Washington Measles Emergency: Why Banning Vaccine Exemptions Isn’t Enough

If you have something you would like to see added to the ICD’s Week in Review, please e-mail ksmith@delamaed.org.