Week in Review
February 11, 2019

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

Perspectives on Oropharyngeal Cancer: Scientific Overview, Clinical Expertise, and Personal Experience

Wednesday, February 13, 2019
2:00 – 3:00 pm, EST

This educational webinar will help you understand the burden and epidemiology of oropharyngeal cancer as well as the natural history from HPV infection to oropharyngeal cancer. You will learn how to address common questions from your patients about oropharyngeal cancer and the HPV vaccine, as well as the differences between oral cancers and oropharyngeal cancers.

Register here:
http://www.phf.org/events/Pages/Perspectives_on_Oropharyngeal_Cancer.aspx
**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><strong>MONDAYS – FRIDAYS</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MONDAYS – FRIDAYS</td>
<td>8:15a – 11:30a</td>
<td>Hudson State Service Center</td>
<td>501 Ogletown Road, Newark</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</td>
<td></td>
</tr>
<tr>
<td>MONDAYS – FRIDAYS</td>
<td>1:00p – 3:00p</td>
<td>Milford State Service Center</td>
<td>253 NE Front Street, Milford</td>
<td>Kent</td>
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<tr>
<td>MONDAYS – THURSDAYS</td>
<td>8:00a – 3:30p</td>
<td>Williams State Service Center</td>
<td>805 River Road, Dover</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</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</td>
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</table>

**New CDC App!**

PneumoRecs VaxAdvisor mobile app: [http://www.cdc.gov/vaccines/pneumoapp](http://www.cdc.gov/vaccines/pneumoapp)

**Update**

Flucelvax will be manufactured with all 4 strains being cell-derived.

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**Week 5 (January 27 – February 2, 2019):**

In-season burden estimates of flu in the United States

[https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm](https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm)
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 24 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.
- Three states (including Delaware) experienced minimal ILI activity.

Geographic Spread:
- Widespread influenza activity was reported by Puerto Rico and 47 states (including Delaware).
- Regional influenza activity was reported by 2 states.
- Local influenza activity was reported by the District of Columbia and 1 state.
- Sporadic influenza activity was reported by the U.S. Virgin Islands
- Guam did not report.

<table>
<thead>
<tr>
<th>Specimens tested</th>
<th>Week 5</th>
<th>Since 9/30/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Specimens</td>
<td>7,205 (21.6%)</td>
<td>54,381 (10.1%)</td>
</tr>
<tr>
<td>Influenza A</td>
<td>7,081 (98.3%)</td>
<td>52,028 (95.7%)</td>
</tr>
<tr>
<td>Influenza B</td>
<td>125 (1.7%)</td>
<td>2,353 (4.3%)</td>
</tr>
</tbody>
</table>
In Delaware, there were 405 lab-confirmed cases of influenza. Delaware’s influenza activity level remains WIDESPREAD. There were 3 flu-related deaths.

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 5</td>
<td>Total</td>
</tr>
<tr>
<td>Delaware</td>
<td>405</td>
<td>2037</td>
</tr>
<tr>
<td>New Castle</td>
<td>171</td>
<td>838</td>
</tr>
<tr>
<td>Kent</td>
<td>75</td>
<td>508</td>
</tr>
<tr>
<td>Sussex</td>
<td>159</td>
<td>691</td>
</tr>
<tr>
<td>Deaths</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

WHO Afro Outbreaks & Emergencies

Week 5: January 26 – February 1, 2019

- [https://apps.who.int/iris/bitstream/handle/10665/279981/OEW05-2601022019.pdf](https://apps.who.int/iris/bitstream/handle/10665/279981/OEW05-2601022019.pdf)
- New Events
- Ongoing Events
  - **Burundi – Cholera** (167 cases, 2 deaths, CFR 1.2%). The overall disease trend is declining, but the outbreak has expanded to the capital city of Bujumbura.
  - **DRC – Ebola Virus Disease** (774 cases, 481 deaths, CFR 62%). Forty-one new confirmed cases have been reported, with an additional 22 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-five health workers have been affected, with 21 deaths.
  - **Nigeria – Lassa Fever** (215 cases, 42 deaths, CFR 19.5%). The declaration of outbreak followed an increase of LF cases and deaths in several states across the country since the beginning of 2019. The number of confirmed cases in the first three weeks of 2019 has exceeded those reported during the same period in any of the previous years.
- Humanitarian Crisis
  - **DRC**. The crisis continues, and is complicated by insecurity, displacement, and the EVD outbreak.
  - **Ethiopia**. The crisis continues, and is complicated by the El Nino-induced drought, and has led to population displacement, loss of animals and
crops, ethnic clashes, and an overwhelmed health system. Outbreaks of epidemic-prone disease continue (SAM, AWD, and measles).

**WHO Disease Outbreak News** ([www.who.int/csr/don/en/](www.who.int/csr/don/en/))
- 2/04: Jamaica - Dengue Fever
- 2/07: DRC - EVD

**CDC Current Outbreak List** ([https://www.cdc.gov/outbreaks/index.html](https://www.cdc.gov/outbreaks/index.html))
- Raw Milk – Drug-resistant *Brucella* (Feb 2019)
- 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></th>
<th>US 2019</th>
<th>Cumulative Since 1/1/15</th>
<th>US Territories 2019</th>
<th>Cumulative Since 1/1/15</th>
</tr>
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<tbody>
<tr>
<td>Travelers</td>
<td>0</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>0</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>0</strong></td>
<td><strong>5,746</strong></td>
<td><strong>0</strong></td>
<td><strong>37,304</strong></td>
</tr>
</tbody>
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**From the Immunization Action Coalition**

**Issue 1410**: February 6, 2019

**Ask the Experts: Issue 1409**: February 4, 2019
**In other news…**

97 Child Deaths as Ebola Cases Spike in the Democratic Republic of Congo  

Acyclovir Labeling Now Includes Details for Treating Premature Infants Infected with Herpes Virus  

Controversial Experiments That Could Make Bird Flu More Risky Poised to Resume  

Measles Outbreak in the Philippines: 4,300 cases, 70 deaths; MMR shortage or Dengvaxia scare?  

Mumps: 7 cases confirmed at Houston ICE facility  
[http://outbreaknewstoday.com/mumps-7-cases-confirmed-houston-ice-facility-12598/](http://outbreaknewstoday.com/mumps-7-cases-confirmed-houston-ice-facility-12598/)

New Anti-Mosquito Paint Hopes to Fight Malaria in Uganda  

Scientist Finds Cure for HPV Infection, Cervical Cancer After 20 Years of Trying  

Social Science Training Enhances Community Engagement in Health Emergencies in 11 Countries of the European Region  

What Infectious Disease Threats Keep You Up At Night?  

WHO Supports Five Countries to Fight Lassa Fever Outbreaks  

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