Week in Review
February 25, 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

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></td>
<td>9:00a – 11:00a</td>
<td></td>
<td>APPOINTMENT</td>
<td></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></td>
<td></td>
<td></td>
<td>APPOINTMENT</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!
PneumoRecons VaxAdvisor mobile app: http://www.cdc.gov/vaccines/pneumoapp
Week 7 (February 10 - 16, 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)

<table>
<thead>
<tr>
<th>Date</th>
<th>Symptomatic Illnesses</th>
<th>Medical Visits</th>
<th>Hospitalizations</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/01/18 – 1/05/19</td>
<td>6.15 M – 7.28 M</td>
<td>2.92 M – 3.51 M</td>
<td>69,300 – 83,500</td>
<td></td>
</tr>
<tr>
<td>To Jan 12</td>
<td>8.2 M – 9.6 M</td>
<td>3.9 M – 4.6 M</td>
<td>95,000 – 114,000</td>
<td></td>
</tr>
<tr>
<td>To Jan 19</td>
<td>9.8 M – 11.4 M</td>
<td>4.6 M – 5.4 M</td>
<td>113,000 – 136,000</td>
<td></td>
</tr>
<tr>
<td>To Jan 26</td>
<td>10.1 M – 11.7 M</td>
<td>4.7 M – 5.6 M</td>
<td>118,000 – 141,000</td>
<td></td>
</tr>
<tr>
<td>To Feb 04</td>
<td>13.2 M – 15.2 M</td>
<td>6.2 M – 7.2 M</td>
<td>155,000 – 186,000</td>
<td></td>
</tr>
<tr>
<td>To Feb 09</td>
<td>15.4 M – 17.8 M</td>
<td>7.2 M – 8.4 M</td>
<td>184,000 – 221,000</td>
<td></td>
</tr>
<tr>
<td>To Feb 16</td>
<td>17.7 M – 20.4 M</td>
<td>8.2 M – 9.6 M</td>
<td>214,000 – 256,000</td>
<td></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 30 states experienced high ILI activity.
- The District of Colombia, and 11 states (including Delaware) experienced moderate ILI activity.
- Six states experienced low ILI activity.
- The US Virgin Islands and three states experienced minimal ILI activity.
- Data were insufficient to calculate an ILI activity level from Puerto Rico.

Geographic Spread:
- Widespread influenza activity was reported by Puerto Rico and 48 states (including Delaware).
- Regional influenza activity was reported by 1 state.
- Local influenza activity was reported by the District of Columbia.
- Sporadic influenza activity was reported by the U.S. Virgin Islands and one state
- Guam did not report.
In Delaware, there were 588 lab-confirmed cases of influenza. Delaware’s influenza activity level remains WIDESPREAD. There was 1 flu-related death.
**WHO Afro Outbreaks & Emergencies**

Week 7: February 11 - 17, 2019

- [https://apps.who.int/iris/bitstream/handle/10665/310904/OEW07-1117022019.pdf](https://apps.who.int/iris/bitstream/handle/10665/310904/OEW07-1117022019.pdf)

- **New Events**
  - **Republic of Congo – Chikunguya** (1,6914 cases, 0 deaths). The government notified the WHO of an outbreak on Jan 9. The outbreak has been confirmed in two departments (Kouilou and Pool). Twelve of the suspected cases have been confirmed by the National Institute for Bilogic Research in the DRC. The cases are presenting with joint pain, headache, fever of sudden onset, asthenia, and rash. The majority are in children aged 3 to 10 years old.

- **Ongoing Events**
  - **DRC – Ebola Virus Disease** (838 cases, 534 deaths, CFR 64%). Twenty-seven more probable and confirmed cases have been reported, with an additional 24 deaths. To date, confirmed cases have been reported from 19 health zones; 14 of 19 have reported at least one new confirmed case in the past 21 days. Sixty-eight health workers have been affected, with 21 deaths. Contact tracing is ongoing.
  - **DRC – Cholera** (2,705 cases, 71 deaths, CFR 2.6%). The outbreak has been ongoing since 2015. In 2019, there are four main hotspots, reporting 91% of all cases and 93% of the deaths.
  - **Uganda – Cholera** (53 cases, 3 deaths, CFR 5.7%). The Ministry of Health officially declared an outbreak on Jan 7, originating in Tabeleka Zone. Cases have been reported across Kampala City and in Wakiso and Luwero districts. Nine areas have at least one confirmed case.

- **Humanitarian Crisis**


- 2/20: Papua New Guinea – CVDP Type 1
- 2/21: DRC - Ebola Virus Disease

**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>
</thead>
<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>
</table>

From the Immunization Action Coalition

Issue 1412: February 20, 2019
http://www.immunize.org/express/issue1412.asp

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

In other news…

A Program of Care for Ebola Survivors

Congenital Syphilis: Maricopa County reports 30 cases and five deaths in 2018

Looking at more anti-vaccine rhetoric with Paul Offit, MD

Measles in Brooklyn, Rockland CO. up, 228 cases in NYC area
http://outbreaknewstoday.com/measles-cases-brooklyn-rockland-co-228-cases-nyc-area-29657/

NFID: Public Health Heroes: Improving Opportunities for Healthier Lives
Vancouver, BC reports more measles, possible exposure locations listed

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