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

Webinar: Adolescent Vaccines: How Pharmacists can Make Strong Recommendations and Referrals
During this webinar, a pharmacist will describe how pharmacists can make effective HPV vaccine recommendations and referrals. A CDC expert will describe effective communication techniques and CDC educational resources for healthcare providers and parents.

Wednesday, May 29 from 1:00 – 2:00 pm EDT

Week 20 (May 12 – 18, 2019):

Note: This is the final flu report for the 2018 – 2019 flu season.

In-season burden estimates of flu in the United States
https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm

Influenza activity in the United States remained low in the United States, and was similar to last week.

Influenza-like Illness (ILI) Activity:
- Puerto Rico and two states experienced regional ILI activity.
- New York City, the District of Colombia, the US Virgin Islands, and 48 states (including Delaware) experienced minimal ILI activity.

Geographic Spread:
- Widespread activity was reported by one state.
• Regional influenza activity was reported by Puerto Rico and one state.
• Local influenza activity was reported by eight states.
• Sporadic influenza activity was reported by the District of Colombia, the U.S. Virgin Islands and 36 states (including Delaware).
• No activity was reported by four states.
• Guam did not report.

In Delaware, there were 3 lab-confirmed cases of influenza. Delaware’s influenza activity is SPORADIC. There were 0 flu-related deaths.

<table>
<thead>
<tr>
<th>Cases</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 20</td>
</tr>
<tr>
<td>Delaware</td>
<td>3</td>
</tr>
<tr>
<td>New Castle</td>
<td>1</td>
</tr>
<tr>
<td>Kent</td>
<td>1</td>
</tr>
<tr>
<td>Sussex</td>
<td>1</td>
</tr>
<tr>
<td>Deaths</td>
<td>0</td>
</tr>
</tbody>
</table>

Influenza Activity Estimates

<table>
<thead>
<tr>
<th>Specimens tested</th>
<th>Week 20</th>
<th>Since 9/30/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specimens tested</td>
<td>12,244</td>
<td>1,138,283</td>
</tr>
<tr>
<td>Positive Specimens</td>
<td>470</td>
<td>176,732 (15.5%)</td>
</tr>
<tr>
<td>Influenza A</td>
<td>260</td>
<td>167,352 (94.7%)</td>
</tr>
<tr>
<td>Influenza B</td>
<td>210</td>
<td>9,380 (5.3%)</td>
</tr>
</tbody>
</table>

June 2019, Volume 25, Issue 6 – Zoonoses
https://wwwnc.cdc.gov/eid
WHO Afro Outbreaks & Emergencies
Week 20: May 13 - 19, 2019

- https://apps.who.int/iris/bitstream/handle/10665/324819/OEW20-1319052019.pdf
- New Events
- Ongoing Events
  - Cyclone Kenneth
    - Mozambique (374,000 affected, 45 deaths, 91 injuries). Nineteen health facilities have been either totally or partially destroyed, and there are 3,527 displaced people sheltering in accommodation centers. Access to affected districts is still limited (road destruction, destroyed telecommunications network, interrupted electricity supply). A cholera outbreak (187 cases, 0 deaths) was confirmed in the beginning of May, and malaria cases continue to rise.
    - Comoros Islands (345,000 affected, 7 deaths, 182 injuries). Over 19,000 are displaced, and six health facilities are damaged.
  - DRC – Ebola Virus Disease (1,816 cases, 1,209 deaths, CFR 67%). One hundred thirty-six new confirmed cases have been reported, with an additional 92 deaths. One hundred two health workers have been affected, with 34 deaths. Twenty-two health zones have reported at least one confirmed or probable case, and 17 have reported confirmed cases in the last 21 days. Contact tracing is ongoing in 18 health zones.
  - Namibia – Crimean-Congo hemorrhagic fever (7 cases, 1 death, CFR 14%). An outbreak was declared on 5/6. The initial case is a 54-year-old female in Oshikoto region, who presented with a headache, fever, and vomiting. She was reportedly bitten by a tick; five days later she presented to hospital. Cases have been reported in five different regions of the country, and 45 close contacts are being followed for 14 days.
- Humanitarian Crisis
  - South Sudan. The crisis is due to the ongoing civil war within the country, which is leading to population displacement. An estimated 7.1 million are in need of humanitarian assistance. Measles (937 cases, 7 deaths, 0.7% CFR), AWD, bloody diarrhea, and malaria are the leading causes of morbidity. Low routine immunization coverage for measles (59%), poor access to basic health care, and disruptions in service provision may account for part of the measles uptick.

WHO Disease Outbreak News (www.who.int/csr/don/en/)
- 5/20: France – Dengue Fever
- 5/23: DRC – Ebola Virus Disease
- 5/24: Iran – Wild poliovirus type 1

CDC Current Outbreak List (https://www.cdc.gov/outbreaks/index.html)
- Backyard Flocks – Salmonella (May 2019)
- Karawan brand Tahini – Salmonella (May 2019)
- Raw Oysters – multiple pathogens (May 2019)

Travel Notices
- May
  - Nigeria - Monkeypox
- April
  - DRC – Ebola Virus Disease
  - Cyclone Idai (Mozambique, Malawi, Zimbabwe)
- March
  - Mexico - Drug-Resistant Infections, Bariatric Surgery
  - Philippines – Measles


<table>
<thead>
<tr>
<th>As of May 1, 2019</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>1</td>
<td>5,461</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>1</strong></td>
<td><strong>5,747</strong></td>
<td><strong>0</strong></td>
<td><strong>37,304</strong></td>
</tr>
</tbody>
</table>

From the Immunization Action Coalition

Issue 1426: May 22, 2019

In other news…

Iran update: Wild poliovirus type 1 from an environmental sewage sample

Measles: 5 new cases reported over the weekend in Saint John

NIH announces two awards for multi-year studies of influenza immunity in children
Yersinia outbreak update in Sweden and Denmark

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