Week in Review
May 20, 2019

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

Webinar: “There’s an App for That: Increasing HPV Vaccination Rates”
Learn from Sharon Humiston, MD, MPH, FAAP, about the benefits of using the HPV
Same Way Same Day app as a clinic training tool to increase HPV vaccination rates!

Tuesday, May 21 from 3:00 – 3:30 pm ET

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

Need a Flu Shot? 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</td>
<td>501 Ogletown Road, Newark</td>
<td>New Castle</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Center</td>
<td>302-283-7587</td>
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<tr>
<td>MONDAYS - FRIDAYS</td>
<td>8:15a – 11:30a</td>
<td>Porter State Service</td>
<td>509 W. 8th Street, Wilmington</td>
<td></td>
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<tr>
<td></td>
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<td>Center</td>
<td>302-777-2860</td>
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<tr>
<td>MONDAYS - WEDNESDAYS</td>
<td>9:00a – 11:00a</td>
<td>Milford State Service</td>
<td>253 NE Front Street, Milford</td>
<td>Kent</td>
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<tr>
<td></td>
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<td>Center</td>
<td>302-424-7130</td>
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<td></td>
<td>APPOINTMENT</td>
<td></td>
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<tr>
<td>MONDAYS – THURSDAYS</td>
<td>8:00a – 3:30p</td>
<td>Williams State Service</td>
<td>805 River Road, Dover</td>
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<td></td>
<td></td>
<td>Center</td>
<td>302-857-5140</td>
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<td></td>
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<td>APPOINTMENT</td>
<td></td>
</tr>
<tr>
<td>MONDAYS – FRIDAYS</td>
<td>8:30a – 4:00p</td>
<td>Shipley State Service</td>
<td>350 Virginia Ave Seaford</td>
<td>Sussex</td>
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<tr>
<td></td>
<td></td>
<td>Center</td>
<td>302-628-6772</td>
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New CDC App!
PneumoRecs VaxAdvisor mobile app: http://www.cdc.gov/vaccines/pneumoapp
Week 19 (May 5 – 11, 2019):

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 continues to decrease.

Influenza-like Illness (ILI) Activity:
  - Puerto Rico and four states experienced regional ILI activity.
  - New York City and 49 states (including Delaware) experienced minimal ILI activity.
  - Data were insufficient to calculate an ILI level from the District of Colombia and the US Virgin Islands.

Geographic Spread:
  - Regional influenza activity was reported by Puerto Rico and four states.
  - Local influenza activity was reported by 16 states.
  - Sporadic influenza activity was reported by the District of Colombia, the U.S. Virgin Islands and 28 states (including Delaware).
  - No activity was reported by two states.
  - Guam did not report.

<table>
<thead>
<tr>
<th>Specimens tested</th>
<th>Week 19</th>
<th>Since 9/30/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Specimens</td>
<td>506 (3.7%)</td>
<td>176,109 (15.7%)</td>
</tr>
<tr>
<td>Influenza A</td>
<td>308 (60.9%)</td>
<td>166,996 (94.8%)</td>
</tr>
<tr>
<td>Influenza B</td>
<td>198 (39.1%)</td>
<td>9,113 (5.2%)</td>
</tr>
</tbody>
</table>
In Delaware, there were 5 lab-confirmed cases of influenza. Delaware’s influenza activity is SPORADIC. There were 0 flu-related deaths.

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 19</td>
<td>Total</td>
<td>Week 19</td>
</tr>
<tr>
<td>Delaware</td>
<td>5</td>
<td>6390</td>
</tr>
<tr>
<td>New Castle</td>
<td>2</td>
<td>2422</td>
</tr>
<tr>
<td>Kent</td>
<td>1</td>
<td>1696</td>
</tr>
<tr>
<td>Sussex</td>
<td>2</td>
<td>2272</td>
</tr>
<tr>
<td>Deaths</td>
<td>0</td>
<td>24</td>
</tr>
</tbody>
</table>

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**WHO Afro Outbreaks & Emergencies**

Week 19: May 6 - 12, 2019

- [https://apps.who.int/iris/bitstream/handle/10665/312347/OEW19-0612052019.pdf](https://apps.who.int/iris/bitstream/handle/10665/312347/OEW19-0612052019.pdf)
- New Events
- Ongoing Events
  - **Chad – Measles** (14,286 cases, 139 deaths, CFR 0.97%). The outbreak continues to spread both geographically and numerically. A total of 77 districts in the country are in epidemic phase. Deaths have been reported from 36 districts, and eight have reported more than 500 cases during the first 16 weeks of 2019.
  - **DRC – Ebola Virus Disease** (1,680 cases, 1,117 deaths, CFR 67%). One hundred four new confirmed cases have been reported, with an additional 89 deaths. Ninety-nine health workers have been affected, with 33 deaths. Twenty-one health zones have reported at least one confirmed or probable case, and 18 have reported confirmed cases in the last 21 days. Several security incidence have suspended response in certain areas, but resumed on 5/9. Contact tracing is ongoing in 16 health zones.
  - **Cyclone Idai**
    - **Malawi.** Nine flood affected areas are being targeted, and malaria is on the rise among IDPs. There are six confirmed cholera cases, but none since 4/23. Inadequate food and shelter, and limited district-level resources, remain major problems.
    - **Mozambique** (1.85 M affected). 1.2 million in need of basic health services, and over 21,000 people are living in 17 accommodation centers. The process of returns, relocations, and
resettlement is ongoing. Risk of communicable disease (cholera, AWD, bloody diarrhea, malaria, dengue, water borne disease) remains high. **Cholera** (6,743 cases, 8 deaths, CFR 0.1%) outbreak in Sofala Province is showing a declining trend. **Malaria** (44 confirmed cases) is the second main cause of morbidity.

- **Zimbabwe.** Response to the cyclone in several districts are primarily flash flooding, destruction of livelihood/property, and diarrheal disease. Malaria surveillance show an incidence above action threshold only in two districts, with a declining trend.
  - **Mauritius - Dengue Fever** (126 cases, 0 deaths). This outbreak has been ongoing since late February, reporting both imported and indigenous cases. Patients are isolated under mosquito nets and treated in-hospital.

- **Humanitarian Crisis**
  - **Ethiopia.** Over two million IDPs are being hosted in 1,289 temporary sites, which are grossly overpopulated and feature poor sanitary conditions and lack of access to safe water. A **measles** outbreak (5,622 cases) is ongoing, and severe acute malnutrition remains a challenge.

- 5/16: Singapore – Monkeypox
- 5/16: DRC – Ebola virus disease
- 5/17: Saudi Arabia – MERS-CoV

**CDC Current Outbreak List** ([https://www.cdc.gov/outbreaks/index.html](https://www.cdc.gov/outbreaks/index.html))
- Raw Oysters – multiple pathogens (May 2019)
- Ground Beef – *E. Coli* (April 2019)
- Pre-Cut Melons – *Salmonella* (April 2019)

**Travel Notices**
- April
  - DRC – Ebola Virus Disease
  - Cyclone Idai (Mozambique, Malawi, Zimbabwe)
- March
  - Mexico - Drug-Resistant Infections, Bariatric Surgery
  - Philippines – Measles
- February
  - Indonesia – Polio
  - India – Zika
  - Fiji – Leptospirosis


<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>
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<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>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>1</td>
<td>5,747</td>
<td>0</td>
<td>37,304</td>
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**From the Immunization Action Coalition**

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**Issue 1425: May 15, 2019**

http://www.immunize.org/express/issue1425.asp

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**In other news…**

Four new polio cases in Pakistan as study tackles partial-dose vaccination

http://www.cidrap.umn.edu/news-perspective/2019/05/four-new-polio-cases-pakistan-study-tackles-partial-dose-vaccination

Human antibody reveals hidden vulnerability in influenza virus


Over 20 nations in Kigali to discuss response to disease outbreaks

https://www.newtimes.co.rw/news/over-20-nations-kigali-discuss-response-disease-outbreaks

The unanswered questions about Anthrax

https://www.npr.org/sections/goatsandsoda/2019/05/17/724305507/the-unanswered-questions-about-anthrax

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