**Flu News**

Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices — United States, 2019–20 Influenza Season - [https://www.cdc.gov/mmwr/volumes/68/rr/rr6803a1.htm](https://www.cdc.gov/mmwr/volumes/68/rr/rr6803a1.htm)

Upcoming Flu Clinics:

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Clinic</th>
<th>Phone Number</th>
<th>Ages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday – Friday</td>
<td>Hudson State SC</td>
<td>302-283-7587</td>
<td>6 months and older</td>
</tr>
<tr>
<td>By Appointment Only</td>
<td>501 Ogletown Road Newark</td>
<td>Option 2</td>
<td></td>
</tr>
<tr>
<td>Monday – Friday</td>
<td>Porter State SC</td>
<td>No appointment needed</td>
<td>9 years and older</td>
</tr>
<tr>
<td>8:00 – 12:00 pm</td>
<td>511 W. 8th Street Wilmington</td>
<td></td>
<td></td>
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<tr>
<td>1:00 – 4:00 pm</td>
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</tr>
<tr>
<td>Monday – Friday</td>
<td>Williams State SC</td>
<td>302-857-5140</td>
<td>6 months and older</td>
</tr>
<tr>
<td>8:00 am – 4:30 pm</td>
<td>805 River Road Dover</td>
<td></td>
<td></td>
</tr>
<tr>
<td>By Appointment Only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fridays</td>
<td>Milford State SC</td>
<td>302-424-7130</td>
<td>9 years and older</td>
</tr>
<tr>
<td>By Appointment Only</td>
<td>253 NE Front Street Milford</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mondays</td>
<td>Adams State SC</td>
<td>302-515-3220</td>
<td>6 months and older</td>
</tr>
<tr>
<td>By Appointment Only</td>
<td>544 S. Bedford Street Georgetown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monday – Thursday</td>
<td>Shipley State SC</td>
<td>No appointment needed</td>
<td>6 months and older</td>
</tr>
<tr>
<td>9:00 – 11:30 am</td>
<td>350 Virginia Avenue Seaford</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 – 3:30 pm</td>
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</table>

**Continuing Education!**


**HPV and Immunizations. A discussion about the Human Papillomavirus from an Oncologist’s Perspective. What can be Prevented with this Vaccination.**

In this one hour webinar, participants will learn about the HPV Virus from an oncologist’s perspective. Participants will be able to discuss reasons why the Human Papillomavirus vaccination can lead to prevention of HPV related cancers and describe the effects of HPV related cancer in women. Healthcare providers will understand the burden of the HPV disease and the rationale for vaccinating youth at ages 11 and 12.

Thursday, January 9, 2020 from 3:00 – 4:00 pm ET
Week 50 (Week ending December 14, 2019).

Seasonal influenza activity in the United States has been elevated for five weeks, and continues to increase.

- Clinical lab: 16.3% of specimens positive for influenza virus
- Public health lab: Influenza B/Victoria are most common, followed by A(H1N1)pdm09 – predominant virus varies by region and age group.
- ILI Activity
  o High: Puerto Rico, New York City and 19 states.
  o Moderate: District of Columbia and six states.
  o Low: Ten states.
  o Minimal: 14 states (including Delaware)
  o Insufficient Data: US Virgin Islands and one state

- Geographic Spread
  o Widespread: Puerto Rico and 30 states (including Delaware)
  o Regional: Seventeen states
  o Local: the District of Colombia and two states
  o Sporadic: the US Virgin Islands and one state
  o No Report: Guam
Burden Estimates
(https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm)

The CDC estimates that, from October 1, 2019 through December 7, 2019, there have been:

- Flu illnesses: 3.7 million – 5.3 million
- Medical visits: 1.8 million – 2.6 million
- Flu hospitalizations: 32,000 – 57,000
- Flu deaths: 1,800 – 4,500

Delaware Surveillance

- Activity level: LOCAL.
- Predominant Strain(s): B/Victoria and B/No lineage.

<table>
<thead>
<tr>
<th>Cases</th>
<th>Week 50</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware</td>
<td>155</td>
<td>380</td>
</tr>
<tr>
<td>Kent</td>
<td>52</td>
<td>113</td>
</tr>
<tr>
<td>New Castle</td>
<td>77</td>
<td>216</td>
</tr>
<tr>
<td>Sussex</td>
<td>26</td>
<td>51</td>
</tr>
<tr>
<td>Hospitalizations</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Deaths</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
**WHO Afro Outbreaks & Emergencies**  
Week 50: December 9 - 15, 2019  
[https://apps.who.int/iris/bitstream/handle/10665/330150/OEW50-16122019.pdf](https://apps.who.int/iris/bitstream/handle/10665/330150/OEW50-16122019.pdf)

- **New Events**
- **Ongoing Events**
  - DRC – Ebola Virus Disease (3,343 cases, 2,210 deaths, CFR 66%).
    - 23 new confirmed cases have been reported this week
    - 7 deaths this week
    - 163 health workers have been affected (5%)
    - 29 health zones affected with at least one case
    - 4 health zones with confirmed cases in the last 21 days
    - 3 health zones: ongoing contact tracing
  - DRC – Flooding. Since mid-October, several regions have been affected by flooding following heavy rains leading to raising water levels in rivers and tributaries. Approximately 275,000 have been affected (loss of homes, infrastructure damage, flooding of water points, and destruction of schools and health centers).
  - Mali – Yellow Fever (15 cases, 5 deaths, CFR 33%). The outbreak was declared after three cases were confirmed from two regions. The index case is a 15-year-old unvaccinated girl from a village in Kati district who presented with fever and jaundice.

- **Humanitarian Crisis**
  - Cameroon. Two major complex crises are co-occurring in the Far North and North West & South West regions. Socioeconomic activities, food security, and access to basic social services have been affected.

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- 12/17: Nigeria – Yellow Fever
- 12/18: Saudi Arabia – MERS-CoV
- 12/19: DRC – Ebola virus disease

**CDC Current Outbreak List** ([https://www.cdc.gov/outbreaks/index.html](https://www.cdc.gov/outbreaks/index.html))
- Multidrug-resistant *Campylobacter* Infections in Pet Store Puppies (December 2019)
- *E. Coli* in Fresh Express Salad Kits (December 2019)
- *E. Coli* in Romain Lettuce (December 2019)
Travel Notices
- December
  o Polio – Asia (alert)
  o Polio – Africa (alert)
  o Dengue – Asia and the Pacific Islands (watch)

2019 US Zika Case Counts

<table>
<thead>
<tr>
<th></th>
<th>US 2019</th>
<th>US Territories 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travelers</td>
<td>16</td>
<td>2</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>55</td>
</tr>
<tr>
<td>Other Route</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
<td>57</td>
</tr>
</tbody>
</table>

States: CA, GA, ID, NE, NV, NJ, NY, OR, TX, UT

From the Immunization Action Coalition

Issue 1469: December 18, 2019
http://www.immunize.org/express/issue1469.asp

In other news…

Australia: Extremely drug-resistant Shigella circulating in Victoria, mostly in MSM -

FDA approves an Ebola vaccine, long in development, for the first time -
https://www.statnews.com/2019/12/19/fda-approves-an-ebola-vaccine-long-in-development-for-the-first-time/

Immunization Works – December 2019 Newsletter -
Infectious Diseases Clinical Research Consortium awards announced -
https://www.nih.gov/news-events/news-releases/infectious-diseases-clinical-research-
consortium-awards-announced

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