Week in Review
January 16, 2018

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

Communicating about Maternal Immunization (VIC Network)
January 30, 2018 from 1:00 – 2:00 pm

Pregnant women need vaccines to protect them and their babies against influenza and pertussis. Speakers will give an update on CDC’s maternal vaccination recommendations and maternal vaccination campaign. The webinar will also discuss strategies that programs can use to reach pregnant women.

Flu Clinics…

Monday Through Friday
Hudson State Service Center, By Appointment Only
501 Ogletown Road, Newark, DE 19711 | 302-283-7587

Mondays
Milford State Service Center, 9:00 am – 4:00 pm (by appointment only)
253 NE Front Street, Milford, DE 19963 | 302-424-7130

Tuesdays
Adams State Service Center, 9:00 am – 11:00 am (by appointment only)
544 S Bedford Street, Georgetown, DE 19947 | 302-515-3220

Wednesdays
Williams State Service Center, 8:00 am – 3:30 pm (by appointment only)
805 River Road, Dover, DE 19901 | 302-857-5140

Fridays
Shipley State Service Center, 8:30 am – 12:00 pm AND 1:00 – 4:00 pm
350 Virginia Avenue, Seaford, DE 19973 | 302-628-6772
During week 1 (December 31, 2017 – January 6, 2018), influenza activity increased in the United States.

*High influenza-like illness (ILI) activity* was reported in New York City and 26 states (Alabama, Arizona, Arkansas, California, Colorado, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Mississippi, Missouri, Nebraska, Nevada, New Jersey, New Mexico, Ohio, Oklahoma, Oregon, South Carolina, Texas, Virginia, Washington, West Virginia, and Wyoming).

*Moderate ILI activity* was reported in Puerto Rico and 10 states (Idaho, Massachusetts, Michigan, New York, North Carolina, Pennsylvania, Rhode Island, South Dakota, Tennessee, and Wisconsin).

*Low ILI activity* was reported in the District of Columbia and six states (Alaska, Hawaii, Iowa, Maryland, Minnesota, and Vermont).

*Minimal ILI activity* was reported in 8 states (Connecticut, Delaware, Florida, Maine, Montana, New Hampshire, North Dakota, and Utah).

<table>
<thead>
<tr>
<th></th>
<th>Week 1</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specimen Tested</td>
<td>2,401</td>
<td>28,264</td>
</tr>
<tr>
<td>Positive Specimen (%)</td>
<td>1,398 (58.2)</td>
<td>12,472 (44.1)</td>
</tr>
<tr>
<td>Influenza A (%)</td>
<td>1,202 (86.0)</td>
<td>10,872 (87.2)</td>
</tr>
<tr>
<td>Influenza B (%)</td>
<td>196 (14.0)</td>
<td>1,600 (12.8)</td>
</tr>
</tbody>
</table>

In week 1, there were 184 lab-confirmed cases of flu in Delaware, and the state activity remains WIDESPREAD. There were 0 flu-related deaths.
<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Hospitalizations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 1</td>
<td>Total</td>
<td>Week 1</td>
</tr>
<tr>
<td>Delaware</td>
<td>184</td>
<td>555</td>
<td>51</td>
</tr>
<tr>
<td>New Castle</td>
<td>83</td>
<td>240</td>
<td>33</td>
</tr>
<tr>
<td>Kent</td>
<td>37</td>
<td>116</td>
<td>8</td>
</tr>
<tr>
<td>Sussex</td>
<td>64</td>
<td>199</td>
<td>10</td>
</tr>
<tr>
<td>Deaths</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

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**Global Infectious Disease**

**WHO Africa:**

*Weekly Bulletin on Outbreaks and Other Emergencies*

**Week 2:** January 6 - 12, 2018

5 New Events | 50 Ongoing Events | 44 Outbreaks | 11 Humanitarian Crises
[http://apps.who.int/iris/bitstream/10665/259850/1/OEW02-0612012018.pdf]

- New Events:
- Ongoing Events:
  - **Kenya – Chikungunya** (45 cases, 0 deaths). The outbreak started mid-December 2017, when a febrile illness presenting with very high fever, joint pain, and general body weakness was witnessed. The samples tested negative for malaria and, in most cases, dengue fever. All 6 sub-counties in Mombasa have reported cases, most are from the island of Mvita.
  - **Malawi – Cholera** (199 cases, 4 deaths, CFR 2%). The outbreak began Nov 24, 2017 in the Karonga District (bordering Tanzania). The majority of the cases continue to be from the Karonga District, but 5 other districts have been affected.
  - **Zambia – Cholera** (2,672 cases, 63 deaths, CFR 2.4%). The outbreak continues to escalate, and patients are being treated across 7 cholera treatment centers. Most cases and deaths have come from the urban Lusaka district, the majority of which are concentrated in four sub-districts (Chipata, Kanyama, Matero, and Chawama). WHO is working with Zambian health
authorities to conduct an oral cholera vaccination campaign, and water, sanitation and hygiene (WASH) interventions are ongoing.

- **South Sudan – Rift Valley Fever** (suspected: 5 cases, 3 deaths, CFR 60%). The outbreak of a viral hemorrhagic fever in Eastern Lakes State continues to be monitored. Although six human blood samples were collected from close asymptomatic contacts, all six tested negative for Ebola, Marburg, Crimean-Congo HF, RVF, and Sosuga viruses by PCR. One sample had high RVF IgM and IgG titers, and two other samples had high RVF IgG titers. There have also been evidence of zoonotic hemorrhagic illness among goats, sheep, and cattle.

- **Humanitarian Crisis:**
  - **Democratic Republic of the Congo.** General insecurity and social unrest have created a complex and long-standing crisis. The situation remains highly volatile, with fighting, population displacement, and security incidents. The situation has amassed over 4.3 million IDPs, over 7.7 million people with food insecurity, and 13.1 million people needing emergency assistance. Financing for the humanitarian response plan decreased from 60 to 57% of the planned cost. Flash floods and landslides in the last week have lead to 45 deaths and over 5,000 homes flooded. Two cholera treatment centers were damaged, which exacerbates the ongoing cholera outbreak in the city, although the overall cholera and measles outbreaks have declined.


- 1/15: Namibia – Hepatitis E
- 1/12: Tanzania – Cholera
- 1/08: Malaysia – MERS-CoV

**Zika: Areas at Risk**

- **Africa:** Angola, Benin, Burkina-Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Cote d'Ivoire, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Mali, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Sudan, Sudan, Tanzania, Togo, Uganda
- **Asia:** Bangladesh, Burma (Myanmar), Cambodia, India, Indonesia, Laos, Malaysia, Maldives, Pakistan, Philippines, Singapore, Thailand, Timor-Leste (East Timor), Vietnam
- **Caribbean:** Anguilla, Antigua & Barbuda, Aruba, The Bahamas, Barbados, Bonaire, British Virgin Islands, Cuba, Curacao, Dominica, Dominican Republic, Grenada, Haiti, Jamaica, Montserrat, Puerto Rico, Saba, Saint Kitts & Nevis, Saint Lucia, Saint Martin, Saint Vincent & the Grenadines, Sint Eustatius, Sint Maarten; Trinidad & Tobago, Turks & Caicos, US Virgin Islands
- **Central America:** Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama
- **North America:** Mexico
- **The Pacific Islands:** Fiji, Papua New Guinea, Samoa, Solomon Islands, Tonga
- **South America:** Argentina, Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Venezuela

**2017 US Case Counts**

*The CDC is now updating this information on a bi-weekly basis.*
### Cases by State and Territory

<table>
<thead>
<tr>
<th>Case Type</th>
<th>US Territories 2018</th>
<th>Cumulative Since 1/1/15</th>
<th>US Territories 2017</th>
<th>Cumulative Since 1/1/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travelers</td>
<td>0</td>
<td>5,355</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>228</td>
<td>0</td>
<td>630</td>
</tr>
<tr>
<td>Other Route</td>
<td>0</td>
<td>52</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>0</td>
<td><strong>5,635</strong></td>
<td>0</td>
<td><strong>631</strong></td>
</tr>
</tbody>
</table>

Is This Season’s Flu More Severe Than Usual or Just Highly Active?  
[https://shotofprevention.com/2018/01/13/is-this-seasons-flu-more-severe-than-usual-or-just-highly-active/](https://shotofprevention.com/2018/01/13/is-this-seasons-flu-more-severe-than-usual-or-just-highly-active/)

**From the Immunization Action Coalition**
The CDC says this year’s flu may reach “epidemic” proportions (GA)

With Increasing Influenza Cases in California, Health Officials Encourage Californians to Get Vaccine (CA)

Ohio Department of Health reports first child flu death of season (OH)

Flu Shots Still Worthwhile, Health Professionals Say (KS)

A Prescription for … Resiliency? (Politico)

Measles Confirmed at IU (IN)

A 7-Eleven Worker Could Have Given Hepatitis to Thousands of Utah Customers (Grub Street)

Patient Voices: Hepatitis

In other news…

Afghanistan: Battle Over Polio Vaccine
https://iwpr.net/global-voices/afghanistan-battle-over-polio-vaccine

Maybe Rats Aren’t to Blame for the Black Death
6-Year-Old Boy Infected With Rabies Has Died
https://www.today.com/health/florida-boy-fighting-rabies-dies-t121168

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