Week in Review
December 12, 2017

Continuing Education…

Vaccinating Adults: A Step-by-Step Guide
From the IAC

Upcoming 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

CDC Influenza Surveillance Report
https://www.cdc.gov/flu/weekly/

During week 48 (November 26 – December 2, 2017), influenza activity increased slightly in the United States.
High influenza-like illness (ILI) activity was reported in 3 states (Louisiana, Mississippi, and South Carolina).

Moderate ILI activity was reported in Puerto Rico and 3 states (Georgia, Hawaii, and Texas).

Low ILI activity was reported in the District of Colombia and 6 states (Alabama, Alaska, Arkansas, Oklahoma, South Dakota, and Virginia).


<table>
<thead>
<tr>
<th>Specimen Tested</th>
<th>Week 48</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Specimen (%)</td>
<td>425 (36.7)</td>
<td>2,745 (24.9)</td>
</tr>
<tr>
<td>Influenza A (%)</td>
<td>359 (84.5)</td>
<td>2,374 (86.5)</td>
</tr>
<tr>
<td>Influenza B (%)</td>
<td>66 (15.5)</td>
<td>370 (13.5)</td>
</tr>
</tbody>
</table>

In week 48, there were 16 lab-confirmed cases of flu in Delaware, and the state activity remains SPORADIC.

<table>
<thead>
<tr>
<th></th>
<th>Week 46</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware</td>
<td>16</td>
<td>46</td>
</tr>
<tr>
<td>New Castle</td>
<td>9</td>
<td>24</td>
</tr>
<tr>
<td>Kent</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>Sussex</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Global Infectious Disease

WHO Africa:
Weekly Bulletin on Outbreaks and Other Emergencies
Week 49: December 2 - 9, 2017

3 New Events | 47 Ongoing Events | 42 Outbreaks | 8 Humanitarian Crises
http://apps.who.int/iris/bitstream/10665/259635/1/OEW49-29122017.pdf

- Declaration
  o Marburg Virus Disease outbreak in Uganda (4 cases, 3 deaths, CFR 75%) was declared over on 12/8/2017 – 42 days (two 21-day incubation cycles) since the last confirmed case died on 10/26/2017.

- New Events:
  o Ghana – Influenza A H1N1 (77 cases, 4 deaths, CFR 5.2%). The WHO was notified of a focal outbreak in a school in Kumasi City, Ashanti Region on 12/6/2017. The event was detected on 11/30/2017 when a cluster of 13 cases of severe acute respiratory illness was reported from a senior high school. Thus far, 66% of the cases are male, and 95% are teenagers. It is currently localized to the school.

  o South Africa – Listeriosis (557 cases, 36 deaths, CFR 6.5%). The WHO was notified of an outbreak on 12/6/2017. The outbreak was first noticed in October when increasing cases were noticed. Retrospective investigations that cases had been detected since the beginning of 2017, with gradually increasing incidence. All 9 provinces in the country have reported cases. The case patients range from birth to 93 years, and neonates aged 28 days or younger have accounted for 37% of cases.

- Ongoing Events:
  o Zambia – Cholera (547 cases, 15 deaths, CFR 2.7%). The flare up continues, and 158 new suspected cases (and 5 deaths) have occurred since 12/01/2017. Cases have been reported across the country, and the most affected age group is children under 5 years of age (33%).

  o Senegal – Dengue Fever (767 cases, 0 deaths). The outbreak has spread from the Louga Region to three other regions of the country (Fatick, Thies, and Dakar Regions), but the overall disease trend is
declining. To date, the analysis of confirmed cases have only showed dengue virus serotype 1 (DENV-1).

- **Humanitarian Crisis:**
  - **South Sudan** – The conflict-driven crisis continues to worsen with 7.5 million people in need of assistance. There are an estimated 1.9 million internally displaced people, 210,000 living in Protection of Civilians (PoC) sites, 2.1 million refugees in neighboring countries, and 279,000 refugees from neighboring countries within South Sudan. Armed conflict continues, resulting in population movement, limited humanitarian access, active cholera transmission, and increased malnutrition.

**WHO Disease Outbreak News** ([www.who.int/csr/don/en/](www.who.int/csr/don/en/))
- 12/11: Kenya – Cholera
- 12/11: Zambia - Cholera

**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, Marshall Islands, 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**

<table>
<thead>
<tr>
<th></th>
<th>Travelers</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></td>
<td>As of Dec 6, 2017</td>
<td>US 2017</td>
<td></td>
<td>US Territories 2017</td>
</tr>
<tr>
<td>Travelers</td>
<td>367</td>
<td>5,324</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>2</td>
<td>226</td>
<td>595</td>
<td>36,940</td>
</tr>
<tr>
<td>Other Route</td>
<td>4 (sex)</td>
<td>51</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>373</strong></td>
<td><strong>5,601</strong></td>
<td><strong>595</strong></td>
<td><strong>37,087</strong></td>
</tr>
</tbody>
</table>

**40 States with symptomatic disease cases**: Alabama, Alaska, Arizona, California, Colorado, District of Colombia, Florida, Georgia, Hawaii, Illinois, Indiana, Iowa, Kansas,
Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Jersey, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming

10 States without symptomatic disease cases: Arkansas, Connecticut, Delaware, Idaho, Montana, New Hampshire, New Mexico, North Dakota, South Dakota.

Territories effected: American Samoa, Puerto Rico, US Virgin Islands

Flu Vaccine Benefits Go Beyond Effectiveness of One Strain

From the Immunization Action Coalition

Issue 1339: December 6, 2017
http://www.immunize.org/express/issue1339.asp

Ask the Experts: My 11-year-old patient inadvertently received a dose of Td instead of Tdap. He received a 5-dose series of DTaP in childhood. Do I need to wait a specific interval before giving him Tdap?

**OPINION:** Make a difference by being a vaccine insister! (Huffington Post)

**OPINION:** What happens when we ask parents with sick (or unvaccinated) kids to stay away (The Washington Post)

*Majority of Adults are Unaware of Recommended Adult Vaccines (Drug Topics)*

*Rotavirus Immunization for Hospitalized Infants: Are We There Yet? (AAP News)*

*SU mumps outbreak still growing despite extra vaccination effort (NY)*

*Hepatitis A Case at Paul’s Pizza in Detroit is the Eighth Restaurant Involved in Outbreak*

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**In other news...**

A single high-dose or live cholera vaccine could help bring cholera outbreaks under control faster
http://cvi.asm.org/content/24/12/e00265-17.full?sid=ace6f518-bb9c-40b5-b3a7-4851f48e58e7

Social media trends can predict tipping points in vaccine scares
https://www.sciencedaily.com/releases/2017/12/171211152819.htm

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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@delamed.org.*