Week in Review
December 4, 2017

Continuing Education…

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

Shingles Vaccines: What You Need to Know
CEU Available: 1.0 AMA PRA Category 1 Credit | 1.0 CNE Contact Hour
When: Wednesday, December 6 from 12:00 – 1:00 pm EST
Register Here: https://cc.readytalk.com/r/3pw06ow1hp83&eom

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
During week 47 (November 19 – 25, 2017), influenza activity increased 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 1 state (Georgia).

*Low ILI activity* was reported in 10 states (Alabama, Alaska, Arizona, Hawaii, Massachusetts, Nebraska, Oklahoma, South Dakota, Texas, and Virginia).


<table>
<thead>
<tr>
<th>Specimen Tested</th>
<th>Week 47</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Specimen (%)</td>
<td>210 (32.7)</td>
<td>1,970 (22.4)</td>
</tr>
<tr>
<td>Influenza A (%)</td>
<td>186 (88.6)</td>
<td>1,714 (87.0)</td>
</tr>
<tr>
<td>Influenza B (%)</td>
<td>24 (11.4)</td>
<td>255 (13.0)</td>
</tr>
</tbody>
</table>

In week 47, there were 6 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>6</td>
<td>30</td>
</tr>
<tr>
<td>New Castle</td>
<td>4</td>
<td>15</td>
</tr>
</tbody>
</table>
Global Infectious Disease

**WHO Africa:**

*Weekly Bulletin on Outbreaks and Other Emergencies*

**Week 48: November 25 – December 1, 2017**

2 New Events | 46 Ongoing Events | 38 Outbreaks | 10 Humanitarian Crises


- **New Events:**
- **Ongoing Events:**
  - **Angola – Microcephaly, suspected Zika** (42 cases, 0 deaths). A gradually increasing number of microcephaly cases are being observed, particularly in Luanda Province (containing the capital city). A cluster of 7 cases were initially reported in September, but retrospectively have been established as early as May/June.
  - **Zambia – Cholera** (354 cases, 10 deaths, CFR 2.6%). The outbreak was under control, but has flared up beginning the week of November 12.
  - **Burkina Faso – Dengue fever** (13,135 cases, 28 deaths, CFR 0.2%). The incidence has been declining steadily since its peak at the end of October. There has been a 50% reduction this week alone.
  - **Nigeria – Yellow fever** (30 cases, 7 deaths, CFR 23%). Four states have been affected (Kwara, Kogi, Kano, and Zamfara), and 10 others have reported suspected cases. Males have been more affected (67% of the reported cases), and 66% of the cases have affected those less than 20 years old.

- **Humanitarian Crisis:**
  - **Democratic Republic of the Congo** – Armed conflict and intercommunal tensions over decades have led to internal displacement of over 4 million people, over 600,000 Congolese refugees, and a large risk of
communicable disease (cholera and measles outbreaks are currently reported).
  o **Nigeria** – Conflict in the north-east of the country has led to population displacement, restricted access to social services, and the loss of healthcare and protection for over 8 million people. There is a volatile security situation with frequent civilian attacks and suicide bombers, a high prevalence of communicable diseases (cholera, hepatitis E, measles, meningitis, Lassa fever, yellow fever).

**WHO Disease Outbreak News** ([www.who.int/csr/don/en/](www.who.int/csr/don/en/))
- 11/24: Brazil (Yellow Fever)
- 11/27: Madagascar (Plague)

**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, Micronesia, Palau, 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>US 2017</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>356</td>
<td>5,313</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>2</td>
<td>226</td>
<td>594</td>
<td>36,939</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>362</strong></td>
<td><strong>5,590</strong></td>
<td><strong>594</strong></td>
<td><strong>37,086</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, 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, Tennessee.

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

Vaccine Hesitancy Often Tied to Moral Foundations of Liberty and Purity
[https://shotofprevention.com/2017/12/05/research-suggests-vaccine-hesitancy-often-tied-to-concerns-about-individual-liberty-and-purity/](https://shotofprevention.com/2017/12/05/research-suggests-vaccine-hesitancy-often-tied-to-concerns-about-individual-liberty-and-purity/)

**From the Immunization Action Coalition**

**Issue 1338:** November 29, 2017

**Ask the Experts:** A dose of pneumococcal conjugate vaccine was administered into my patient’s dialysis port. Does this dose count?

**Ask the Experts Special Edition:** HPV Edition

A meningitis outbreak was just declared at UMass Amherst (Time).

OPINION: Colleges, universities must take proactive measures to protect from Meningitis B (MA).

Australia’s flu season has US health officials bracing for a bad winter – and wishing for a new vaccine (Los Angeles Times).

Why your excuses for not getting a flu shot stink (Consumer Reports)

Mumps case confirmed at school in Waikoloa (HI)

Whooping cough confirmed at 5 Henderson Co. schools (NC)

Whooping cough cases on the rise in Escambia County (FL)

In other news…

This week is National Influenza Vaccination Week!
https://www.cdc.gov/flu/resource-center/nivw/communication-resources.htm

NIH and Partners Launch HIV Vaccine Efficacy Study

Nepal reports first ever case of rat-bite fever

The moral differences between pro- and anti-vaccine parents
https://www.washingtonpost.com/news/to-your-health/wp/2017/12/04/anti-vaccine-parents-have-very-different-moral-values/

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