Week in Review
October 23, 2017

Continuing Education…

LIVE EVENT: HPV Uptake Effort in Delaware
Monday, November 6, 9:00 am – 1:00 pm ET
Helen F. Graham Cancer Center

Confronting Barriers to HPV Vaccination
Free CEUs until December 1, 2017
Find it here:
https://hrsacqpub1.connectsolutions.com/content/connect/c1/7/en/events/event/shared/92301866/event_landing.html

Upcoming Flu Clinics…

Wednesday, Oct 25:
Byler’s, 9:00 am – 3:00 pm
1368 Rose Valley School Road, Dover DE 19904 | 302-672-1689

Thursday, Oct 26:
Bethel AME Church, 3:30 pm – 6:00 pm
229 E. Commerce Street, Smyrna DE 19977 | 302-223-1293

Saturday, Oct 28:
Holy Cross Catholic Church, 9:00 am – 1:00 pm
631 S State Street, Dover DE 19901 | 302-778-1102 x 1016

Seaford High School, 9:00 am – 1:00 pm
399 N Market Street, Seaford DE 19973 | 302-628-6770
During week 41 (October 8-14, 2017), influenza activity was low in the United States.

*Regional influenza-like illness (ILI) activity* was reported in Guam.

*Local ILI activity* was reported in 5 states (California, Colorado, Massachusetts, Oklahoma, and South Carolina).


*No ILI activity* was reported by the District of Colombia and 7 states (Alabama, *Delaware*, Kansas, Nebraska, Nevada, Rhode Island, and West Virginia).

*No Report*: Puerto Rico.

<table>
<thead>
<tr>
<th>Specimen Tested</th>
<th>Week 41</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specimen Tested</td>
<td>12,290</td>
<td>25,777</td>
</tr>
<tr>
<td>Positive Specimen (%)</td>
<td>270 (2.2)</td>
<td>596 (2.31)</td>
</tr>
<tr>
<td>Influenza A (%)</td>
<td>185 (68.5)</td>
<td>404 (67.8)</td>
</tr>
<tr>
<td>Influenza B (%)</td>
<td>85 (31.5)</td>
<td>192 (32.2)</td>
</tr>
</tbody>
</table>

In week 41, there were 0 lab-confirmed cases of flu in Delaware.
Global Infectious Disease

WHO Africa: Weekly Bulletin on Outbreaks and Other Emergencies
Week 42: October 14-20, 2017

1 New Events | 44 Ongoing Events | 33 Outbreaks | 12 Humanitarian Crises

- New Events:
  - Uganda – Marburg Virus Disease (4 cases, 2 deaths, CFR 50%). An outbreak of Marburg virus disease in Kween District was reported on 10/17. The index case was a 50-year-old woman admitted to local health facility with fever and bleeding diathesis. The patient was referred to a hospital where she died on 10/11 and was buried on 10/13. Post-mortem blood specimens were collected, and laboratory results from the Uganda Virus Research Institute (UVRI) indicated a positive test for MVD by RT-PCR. The index case had a history of nursing and burying her brother, who is considered the primary case in this outbreak. Additional cases include: the brother of the first two cases and a 2-year-old child admitted with similar symptoms.

- Ongoing Events:
  - Madagascar – plague (1,365 cases, 106 deaths, CFR 7.8%). The outbreak has affected major cities and other non-endemic areas. Between August 1 and October 20, 915 (67%) have been clinically classified as pneumonic plague; 275 (20.1%) as bubonic plague; 1 as septicemic plague; and 174 are unclassified or in progress. Eleven strains of Yersinia pestis have been isolated and have proven sensitive to antibiotics. Overall, 33 out of 114 (30%) of districts in 14 of 22 (63.6%) regions in the country have been affected by pulmonary plague. 544 cases (58%) were children and young people less than 21 years, and 387 (36%) were adults between 21 and 40 years. Males account for 57% of all the cases. Situation Update 10/20/2017:
Nigeria – Monkey Pox (86 cases, 0 deaths). Yenagoa Local Government Area (LGA) reported an initial cluster of five cases who developed fever and generalized skin rash over a period of 6 weeks. The illnesses were self-limiting except for an 11-year-old male who additionally developed painful swelling of the jaw and presented to a local private hospital. Ten states – Akwa Ibom, Cross River, Delta, Ekiti, Enugu, Federal Capital Territory, Imo, Lagos, Nasarawa, and Rivers – have also reported suspected cases.

Burkina Faso – Dengue (4,098 cases, 11 deaths, CFR 0.3%). There has been a dramatic increase in incidence in the past week: a total of 1,130 new suspected cases and 0 deaths were reported. 52% of the cases are female, and cases are being reported in 12 of the 13 health regions. The central region (particularly in the city of Ouagadougou) has reported 65.4% of all cases. PCR has classified 110 of 205 samples sent to the Viral Hemorrhagic Fever reference laboratory as positive for Dengue. Further testing revealed 58 samples of DENV-2, 12 samples of DENV-3, and 2 samples of DENV-1.

DRC – Cholera (38,154 cases, 702 deaths, CFR 1.8%). The last week observed a downward trend in incidence. Active transmission is ongoing in 11 provinces and 66 health zones.

Tanzania – Cholera (3,467 cases, 54 deaths, CFR 1.6%). A slight decline in the incidence rate has been observed this week, with five districts reporting cases.

- Humanitarian Crisis:

WHO Disease Outbreak News (www.who.int/csr/don/en/)
- 10/15: Seychelles – Suspected plague (from Madagascar)

Zika: Areas at Risk
- Africa: Angola, Benin, Burkina-Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Cote d'Ivoire, DRC, 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><strong>Travelers</strong></td>
<td>307</td>
<td>5,264</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td><strong>Local Mosquito-borne infection</strong></td>
<td>1</td>
<td>225</td>
<td>582</td>
<td>36,927</td>
</tr>
<tr>
<td><strong>Other Route (sex)</strong></td>
<td>3 (sex)</td>
<td>50</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>311</td>
<td>5,539</td>
<td>582</td>
<td>37,074</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

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Three Things I’ve Learned Since Losing My Son To Flu
https://shotofprevention.com/2017/10/18/3-things-ive-learned-since-losing-my-son-to-flu/

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*From the Immunization Action Coalition*

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**Issue 1331**: October 18, 2017
**Ask the Experts:** I have a pregnant patient who is 26 weeks along and received a Tdap vaccine 2 ½ months ago because of healthcare employment. Normally we give our pregnant patients Tdap between 27-36 weeks as recommended. Should we give her another dose of Tdap when she reaches 27 weeks gestation?

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*How Pharmacists Can Improve Adult Vaccination Rates*

*Bad Fridge at San Diego VA Means Up To 1,5000 Got Ineffective Flu Shots (CA)*

*Flu Shots Big Business As People Lured with Publix, Target Discounts (FL)*

*The Unvaccinated Children We Love*

*Another Benefit of Vaccines: Milder Disease*

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**In other news…**

*Ebola’s Legacy: Children With Cataracts*  

*Flu Epidemic: Experts explain the reasons behind Australia’s bad season*  

*HPV Vaccine Not Linked To Serious Complications in Adult Women*  
[http://www.cancernetwork.com/oncology-nursing-gynecologic-cancers/hpv-vaccine-not-linked-serious-complications-adult-women](http://www.cancernetwork.com/oncology-nursing-gynecologic-cancers/hpv-vaccine-not-linked-serious-complications-adult-women)

*WHO Promptly Responds to Marburg Outbreak in Eastern Uganda*  

*Will the world’s most worrying flu virus go pandemic?*  
If you have something you would like to see added to the ICD’s Week in Review, please e-mail ksmith@delamed.org.