Week in Review
October 2, 2017

Continuing Education...

CDC’s Pink Book Webinar Series: 15 webinars reviewing the principles of vaccination, general recommendations, immunization strategies for providers, and specific information about vaccine-preventable diseases and the vaccines that prevent them. Register HERE: https://www2.cdc.gov/vaccines/ed/pinkbook/

Wednesday, October 4, 12:00 pm ET – Pneumococcal Vaccines

Upcoming Flu Clinics...

Wednesday, Oct 4 from 4pm – 6pm
Nanticoke Indian Museum; 27073 John J. Williams Highway, Millsboro

Thursday, Oct 5 from 11am – 2 pm
Associated Builders & Contractors, Inc, ABC Delaware Office

Thursday, Oct 5 from 10 am – 2:30 pm:
DPH; 509 W. 8th Street, Wilmington DE 19801

Tuesday, Oct 10 from 6 am – 6 pm:
DPH Drive-Thru Flu Clinic; 800 Bay Road, Dover DE 19901

October 2017 Issue: Bacterial Infections

Medscape CME Activity: Fatal Rocky Mountain Spotted Fever along the US-Mexico Border
https://wwwnc.cdc.gov/eid/article/23/10/17-0309_article
New Events:
- Liberia – Measles (16 cases, 0 deaths). Outbreak began 9/20. Index case is a 3-year-old girl from Kayata Community who became ill on 9/06 with fever, red eyes, cough, and maculopapular rash. All cases were not previously vaccinated. No cases have presented since 9/21.

Ongoing Events:
- Madagascar – plague (133 cases, 24 deaths, CFR 18.3%). Ongoing outbreak began in August. As of 9/30, 73 confirmed cases of pneumonic plague, with 17 deaths, have been reported. The cases are spread throughout nine districts, with the capital Antananarivo the most affected. Between 8/01 and 9/30, 58 cases of bubonic plague (7 deaths) have been reported. 1 case of septicemic plague has been identified.
- Cabo Verde – malaria (254 cases, 1 death, CFR 0.4%). Malaria infections are locally acquired. Most do not seek treatment until 48-96 hours after illness onset. 70% of cases are adults over the age of 20.
- Tanzania – cholera (3,075 cases, 50 deaths, CFR 1.6%). Outbreak is on the mainland, and the number of new cases has dropped to 86 in a week. Five out of 26 regions in the Tanzania mainland have reported cases.
- Chad – cholera (445 cases, 56 deaths, CFR 12.6%). Active transmission is occurring in 2 regions. The outbreak has spread to the Salamat Region from the Sila Region, but the Sila Region still accounts for 95% of the cases.

Humanitarian Crisis:
- Cameroon. The northern part of Cameroon is volatile and unpredictable due to cross-border raids and suicide bombings. This has caused an influx of refugees and internally displaced persons. Three prefectures (Logone and Chari, Mayo Tsanaga, and Mayo Sava) are the most affected.
- South Sudan. The armed conflict continues to escalate the humanitarian crisis, and continues to spread violence against civilians and aid workers. This crisis has been brought to the attention of the UN.
WHO Disease Outbreak News (www.who.int/csr/don/en/)
- 9/29: Chikungunya – Italy
- 9/29: Plague - 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>Travelers</td>
<td>274</td>
<td>5,242</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>1</td>
<td>225</td>
<td>556</td>
<td>36,915</td>
</tr>
<tr>
<td>Other Route (sex)</td>
<td>3</td>
<td>50</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>278</strong></td>
<td><strong>5,517</strong></td>
<td><strong>556</strong></td>
<td><strong>37,062</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
Evaluating the Safety of Flu Vaccination in Pregnancy -

From the Immunization Action Coalition

http://www.immunize.org/nslt.d/n70/n70.pdf
Volume 27, number 1

http://www.immunize.org/express/issue1328.asp

Issue 1328: September 27, 2017

Ask the Experts: Is it okay to administer rotavirus vaccine and immune globulin at the same time?
Doctors advocate for immunization, more parents claim exemption (MA)

Despite study suggesting risk, doctors still recommend flu shots for pregnant women (KS)

Your mood might be connected to your ability to resist the flu

First case of influenza confirmed in the Valley (MT)

Flu spreading in Spokane; health workers urge vaccination (WA)

Oakland County mother faces tough decision: vaccinate your child or go to jail (MI)

Facts don’t persuade vaccine–hesitant parents. What will?

Anti-vaxers on Twitter: Fake news and Twitter bots

In other news…

Health experts zero in on camels to fight deadly MERS virus

They swallowed live typhoid bacteria – on purpose

WHO scales up response to plague in Madagascar

The US will spend $170 million to stockpile drugs used to treat the Ebola virus

Irma was bad news for iguanas, good news for mosquitoes
http://www.npr.org/sections/goatsandsoda/2017/09/30/554511877/irma-was-bad-news-for-iguanas-good-news-for-mosquitoes

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