Week in Review

July 3, 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/](https://www2.cdc.gov/vaccines/ed/pinkbook/)

Wednesday, July 5, 12:00 pm ET – General Recommendations, Part 2 and Vaccine Safety

**Adolescent Immunization Update and the 16-Year-Old Platform:** A one hour webinar co-sponsored by the Immunization Action Coalition, presented by Dr. William L. Atkinson, IAC associate director for immunization education.

Monday, July 10, 1:00 pm ET – Register here: [https://cc.readytalk.com/registration/#/?meeting=ql1u7gmwx4gu&campaign=ywdao6regqeg](https://cc.readytalk.com/registration/#/?meeting=ql1u7gmwx4gu&campaign=ywdao6regqeg)

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**July 2017 Issue:** Intracellular Pathogens

**Ahead-of-Print:** Evaluation of 5 Commercially Available Zika Virus Immunoassays

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**Global Infectious Disease**

**WHO Africa: Weekly Bulletin on Outbreaks and Other Emergencies**
Week 26: June 24-30, 2017
- 41 ongoing events | 31 outbreaks | 10 humanitarian crises
- 3 Grade 3 events, 7 Grade 2 events, 6 grade 1 events, 25 ungraded.
Highlights:

- **DRC:**
  - On July 2, 2017, the WHO declared the end of the most recent outbreak of *Ebola Virus Disease* in the DRC. This announcement comes 42 days (two 21-day incubation cycles) after the last confirmed patient tested negative for the disease for the second time.
  - *Cholera* (43,073 cases, 1,220 deaths, CFR 2.8%). The outbreak began August 2015, and seasonal peaks and trends have been observed. There has been an increase in the epidemic trend in recent weeks.

- **Kenya:** *Cholera* (924 cases, 9 deaths, CFR 1.0%). Kenya has been experiencing recurrent cholera outbreaks since December 2014. In recent weeks, an upsurge in the incidence rate has occurred in three main clusters: Nairobi, Dadaab and Kakuma Refugee Camps, and Kericho and Vihiga Counties.

- **Angola:** *Cholera* (455 cases, 24 deaths, CFR 5.3%). Angola has been experiencing a cholera outbreak in the north-eastern provinces of Cabinda and Zaire since early December 2016. The trend is declining, but there has been an upswing in the number of cases in recent weeks.

- **Tanzania:** *Cholera* (30,121 cases, 466 deaths, CFR 1.5%). A sudden increase in suspected cholera cases was observed on the Tanzanian mainland this past week.

- **Sao Tome and Principe:** *Necrotizing cellulitis/fasciitis* (1,763 cases, 0 deaths). This outbreak has been happening since September 2016; there has been a steady decline in the disease trend since the beginning of 2017, however the trend has stagnated in recent weeks.

- **Humanitarian Crises**
  - Cameroon
  - Nigeria

**WHO Disease Outbreak News (www.who.int/csr/don/en/)**
- 7/4 – Middle East respiratory syndrome coronavirus (MERS-CoV) – Lebanon
- 6/28 – MERS-CoV – Saudi Arabia
- 6/28 – Human infection with avian influenza A (H7N9) virus – China
- 6/28 – Lassa Fever - Nigeria

**Zika**
Currently active in:
- Cape Verde, Mexico
- Africa: Angola, Guinea-Bissau
- Asia: Maldives, Singapore
- Caribbean: Anguilla, Antigua & Barbuda, Aruba, The Bahamas, Barbados, Bonaire, British Virgin Islands, Cayman Islands, Cuba, Curacao, Dominica,
Dominican Republic, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Montserrat, Puerto Rico, Saba, Saint Kitts & Nevis, Saint Lucia, Saint Martin, Saint Vincent & the Grenadines, Saint Eustatius, Trinidad & Tobago, Turks & Caicos, US Virgin Islands
- **Central America**: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama
- **The Pacific Islands**: Fiji, Marshall Islands, Micronesia, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga
- **South America**: Argentina, Bolivia, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Venezuela

**2017 US Case Counts**

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<tr>
<th></th>
<th>US</th>
<th>US Territories</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>As of June 28, 2017</td>
<td>Cumulative Since 1/1/15</td>
<td>Cumulative Since 1/1/15</td>
<td>Cumulative Since 1/1/15</td>
</tr>
<tr>
<td>Travelers</td>
<td>142</td>
<td>5,087</td>
<td>0</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>224</td>
<td>513</td>
</tr>
<tr>
<td>Other Route</td>
<td>1 (sex)</td>
<td>48</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>143</strong></td>
<td><strong>5,359</strong></td>
<td><strong>513</strong></td>
</tr>
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**36 States with symptomatic disease cases**: Alabama, Alaska, Arizona, California, Colorado, Florida, Georgia, Hawaii, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Mississippi, Missouri, Nebraska, Nevada, New Jersey, New York, North Carolina, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, Texas, Vermont, Virginia, Washington, Wisconsin, Wyoming

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

Every Child By Two delivers critical message to legislators -

Given the continuing discussions on health care reform, Every Child By Two believes it is more important than ever to re-circulate their State of the ImmUnion report to our nation’s legislators. This report details our country’s current abilities to control and respond to vaccine-preventable diseases.

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**From the Immunization Action Coalition**
Ask the Experts: A healthcare worker with no history of chickenpox, and unknown serologic immunity, was exposed to a patient with zoster. She received varicella vaccine two days later. She developed a pruritic maculopapular rash 11 days after vaccination. Is the rash from the vaccine or from her zoster exposure?

Issue 1313: June 28, 2017
http://www.immunize.org/express/issue1313.asp

Ask the Experts: How can I get yellow fever vaccine? Is there a vaccine shortage?


Needle-Free Flu Vaccine Patch works as well as a shot (NBC).

Facebook had a plan to promote flu shots, but pulled the plug (CNBC).

Vaccination may be curbing ER visits for Shingles (Reuters).

The shingles vaccine hasn’t caught on. Why that might change (Phila. Inquirer).

Maine confirms first measles case in 20 years (ME).
Minnesota’s measles outbreak is tapering off (MN).

Appeals Court: Parochial schools can require immunizations (FL).

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In other news…

Update: Influenza activity in the United States during the 2016-2017 season and composition of the 2017-2018 Influenza Vaccine: MMWR, June 30, 2017 -
https://www.cdc.gov/mmwr/volumes/66/wr/mm6625a3.htm?platform=hootsuite

Genomic Vaccines Fight Disease in Ways Not Possible Before -
https://www.scientificamerican.com/article/genomic-vaccines/

Scientific experimentation, debate, and selflessness on the way to today’s vaccines -

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