Week in Review

July 10, 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, July 19, 12:00 pm ET – Vaccine Storage & Handling and Administration

July 2017 Issue: Intracellular Pathogens

Ahead-of-Print: A New Bat-HKU2-like Coronavirus in Swine, China, 2017

Global Infectious Disease

WHO Africa: Weekly Bulletin on Outbreaks and Other Emergencies
Week 27: July 1 - 7, 2017
- 39 ongoing events | 29 outbreaks | 10 humanitarian crises
  3 Grade 3 events, 6 Grade 2 events, 6 grade 1 events, 24 ungraded.
- Highlights:
  o Burundi: Malaria. (4,376,804 cases, 1,996 deaths, CFR 0.05%). The malaria outbreak began in 2014, and reached epidemic threshold in 2016. It continues with intense transmission causing high morbidity and mortality, and is taking place against the background of a worsening humanitarian crisis. While the entire
country is reporting a high burden, the northern, central, and eastern regions are most affected. 10/18 provinces have attained epidemic threshold (63% of the population). Incidence rate: 51.9%.

- **Cote d’Ivoire: Dengue Fever.** (444 cases, 2 deaths. CFR 0.5%). The general trend of the outbreak has been steadily increasing as new areas outside of Abidjan are beginning to report cases. The case began in April 2017, and 71% of the positive samples isolated dengue virus serotype 2, 32 samples were type 3, and 8 samples were type 1. 55% of affected people are 30 or older, 28% between 15-29. Women account for 57% of the cases.

- **Lake Chad Basin (Chad, Niger, Nigeria): Hepatitis E.** (2,873 cases, 54 deaths. CFR 1.9%). Chad – outbreak began August 2016, confined to the Salamat Region. Niger – outbreak began January 2017, staggered decline since May. Nigeria – outbreak reported May 2017 in Damsak (at the border of Niger and Nigeria). The outbreak has the potential to propagate rapidly due to the ongoing humanitarian crisis in the region.

- **Kenya:** *Visceral Leishmaniasis* (277 cases, 7 deaths. CFR 2.5%). Outbreak has been occurring since January 2017, initially reported in Marsabit County (mid-north). Now also being reported in Wajir County (east). Leishmaniasis is caused by a protozoan parasite transmitted by sandflies. The disease is endemic in Kenya, and most cases will present as a cutaneous form of the disease (ulcers, scars, disability). Visceral leishmaniasis can be fatal in more than 95% of cases within 2 years of onset if untreated.

- **Humanitarian Crises**
  - Ethiopia (Acute Watery Diarrhea – situation continues to improve).
  - South Sudan

**WHO Disease Outbreak News (www.who.int/csr/don/en/)**
- 7/6/17: MERS-CoV – Saudi Arabia
- 7/6/17: Meningococcal septicemia associated with attending a funeral - Liberia

**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**

<table>
<thead>
<tr>
<th></th>
<th>As of July 5, 2017</th>
<th>US Cumulative Since 1/1/15</th>
<th>US Territories Cumulative Since 1/1/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travelers</td>
<td>147</td>
<td>5,093</td>
<td>0</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>224</td>
<td>515</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>148</strong></td>
<td><strong>5,365</strong></td>
<td><strong>515</strong></td>
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</tbody>
</table>


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


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 ImmunUnion report to our nation’s legislators. This report details our country’s current abilities to control and respond to vaccine-preventable diseases.

From the Immunization Action Coalition

[http://www.immunize.org/nslt.d/n70/n70.pdf](http://www.immunize.org/nslt.d/n70/n70.pdf)
Ask the Experts: I was told by a coworker that varicella vaccine can be stored at refrigerator temperature for up to three days and still be used. Is this true?

Ask the Experts: How effective are three doses of MMR vaccine compared to two doses for the prevention of mumps during an outbreak?


*The case for testing Zika vaccines on pregnant women (The Atlantic)*

*Harvard Pertussis Study: States should ‘reconsider’ non-medical vaccine exemptions*

*Ten more mumps cases confirmed in Hawai‘i (HI)*

*Immunization laws around the nation (Pharmacy Times)*

*Health Department says more kids need vaccinations (NY)*

*New Pennsylvania school vaccination rules take effect this year (PA)*

*School district urges parents to update children’s shot records (AR)*

*Here are 3 things science still can’t tell us about vaccines (except that it can) (Romper)*

In other news…
A short history of vaccine objection, vaccine cults, and conspiracy theories -

Improved vaccination rates would fall victim to Senate health cuts -

Dr. Kevin Most: Vaccines (WGN Radio) - http://wgnradio.com/2017/07/10/dr-kevin-most-vaccines/

France to make vaccination mandatory from 2018 as it is ‘unacceptable children are still dying of measles’ -

Last year’s flu vaccine ineffective for seniors -

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