**Week in Review**

**July 24, 2017**

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**Continuing Education...**

**HPV Vaccination: Give it a Shot (or 2):** Presented by Debbie Saslow, PhD, of the American Cancer Society. The webinar will cover the burden of HPV disease, the scientific reasons behind the recommendation to vaccinate at 11-12, and ways that providers can decrease missed vaccination opportunities. Register HERE: [http://nao-ntc.adobeconnect.com/shotor2/event/registration.html](http://nao-ntc.adobeconnect.com/shotor2/event/registration.html)

Tuesday, July 25, 2017, 2:00 pm ET

**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 26, 12:00 pm ET – Immunization Strategies
Global Infectious Disease

WHO Africa: Weekly Bulletin on Outbreaks and Other Emergencies
Week 29: July 15-21, 2017

- 2 new events | 40 ongoing events | 31 outbreaks | 11 humanitarian crises
  2 Grade 3 events, 6 Grade 2 events, 7 grade 1 events, 26 ungraded.

Highlights:

- **Burundi – Cholera** (6 Cases, 0 Deaths)
  A cluster of 6 cases around Bujumbura, the capital city, were described on 7/15/17. The initial case was a 23-year old pregnant woman. No new cases have been reported.

- **Senegal – Crimean-Congo Hemorrhagic Fever** (1 Case, 0 Deaths)
  A single case was confirmed in a young shepherd in Fatick District, Kamsate. The 10 year old boy developed fever, headache, arthralgia, muscle pain, and vomiting on 6/29/17. Fifteen additional cases were identified, but all have tested negative. No contacts of the patient have shown any sign of illness

- **Tanzania – Aflatoxicosis** (8 Cases, 4 Deaths, CFR 50%)
  Between 6/15/17 and 7/13/17, two unrelated clusters have occurred in Kiteto District, Manyara Region. The first cluster includes 5 children aged 3-9 years. The second cluster included 3 children, aged 4, 10, and 10 from Katikati Village, Makame Ward (100km away). All cases reportedly consumed maize that was either harvested and left in a field, or improperly stored.

- **Tanzania – Cholera** (30,231 Cases, 473 Deaths, CFR 1.6%)
  The outbreak has shown marked improvement, and only one new case was reported in the last week on the archipelago. This is the first week since August 2015 the mainland has reported no cases of cholera.

- **Kenya – Cholera** (1,216 Cases, 14 Deaths, CFR 1.2%)
  Recurrent outbreaks of cholera have been experienced in Kenya
since 2016. They have mainly affected the general population and
displaced persons camps, but 2 internal cholera events have
occurred in Nairobi in recent weeks.

- Sao Tome and Principe – Necrotizing Cellulitis/Fasciitis (Cases:
1,802, Deaths: 0)
  This outbreak has been occurring since September 2016, but has
been steadily declining since the beginning of 2017. 12 new cases
were reported in the last week from 4 districts.

- Nigeria – Hepatitis E (Cases: 426, Deaths: 4, CFR 0.91%)
  The outbreak in Borno State (NE Nigeria) is worsening – the
number of cases in the last week has doubled. Seven local
government areas have been affected (Ngala LGA has over 83% of
the caseload). A significant increase in the number of cases has
been observed in the Damasak and Monguno LGAs. These
outbreaks are occurring among displaced persons and returnees.

- Chad – Hepatitis E (Cases: 1,658, Deaths: 18, CFR 1.1%)
  The outbreak in the Salamat region remains serious and in danger
of escalating.

- Humanitarian Crises
  - South Sudan (insurgency, bandrity)

WHO Disease Outbreak News (www.who.int/csr/don/en/)
- 7/19 – Human infection with avian influenza A(H7N9) virus – China
- 7/19 – Dengue fever – Sri Lanka
- 7/21 – Cholera - Kenya

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

| As of July 5, 2017 | US Cumulative Since 1/1/15 | US Territories Cumulative Since 1/1/15 |
### Travelers
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<tbody>
<tr>
<td>Travelers</td>
<td>174</td>
<td>5,120</td>
<td>0</td>
<td>147</td>
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<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>224</td>
<td>532</td>
<td>36,839</td>
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<tr>
<td>Other Route</td>
<td>1 (sex)</td>
<td>48</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>175</td>
<td>5,392</td>
<td>532</td>
<td>36,986</td>
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**40 States with symptomatic disease cases:** Alabama, Alaska, Arizona, California, Colorado, 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, District of Colombia, Idaho, Montana, New Hampshire, New Mexico, North Dakota, South Dakota, Tennessee,

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

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**Help Stop Devastating Cuts to Immunization Infrastructure**


The House is moving forward on budget proposals for Fiscal Year 2018 (FY18) and has suggested a $50 million cut to immunization funding to the Centers for Disease Control and Prevention (CDC).

This could mean serious reductions in our country’s and states’ abilities to: support the science that informs our national immunization policy; provide a safety net to uninsured, low-income adults by enabling vaccine purchases; monitor the safety of vaccines; educate healthcare providers; perform community outreach; and conduct surveillance, laboratory testing and epidemiology in response to disease outbreaks.

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**From the Immunization Action Coalition**
**Ask the Experts:** We give hepatitis B vaccine to newborns in the hospital followed by DTaP-IPV-HepB (Pediarix, GSK) at 2, 4, and 6 months of age, so our patients get 4 doses of hepatitis B vaccine. For some children, the Pediarix dose #3 is delayed and given closer to 5 months of age, so the interval is less than 8 weeks between dose #3 and #4 of the hepatitis B component of Pediarix. We are receiving conflicting information about whether their HepB dose #4 is a valid final dose because of the shortened interval between dose #3 and #4. Our electronic health record says dose #4 is valid (regardless of the short interval from dose #3) but the health department says it is not. Which is correct?

**Issue 1316: July 19, 2017**
http://www.immunize.org/express/issue1316.asp

**Ask the Experts:** What is the dosing for tetanus immune globulin for an adult with suspected tetanus?

**Daily Clips:** http://www.ecbt.org/index.php/daily_clips/index.php

*Measles in Europe: Vaccinations Urged by CDC before Traveling*

*Traveling Internationally This Summer? Be sure to get the MMR Vaccine*

*Vaccines promoted as key to stamping out drug resistant microbes.*

*Vaccine rejection and hesitancy examined: Effect of calls to promote vaccination.*

*Geisinger: Vaccines not properly stored*
In other news…


Measles death rate may be higher than we thought - https://www.vaccinestoday.eu/stories/measles-death-rate-may-be-higher-than-we-thought/


WHO scales up cholera response with 500,000 doses of oral cholera vaccine for vaccination campaign in South Sudan - http://www.afro.who.int/news/who-scales-cholera-response-500-000-doses-oral-cholera-vaccine-vaccination-campaign-south

HPV vaccine: anger over decision not to extend NHS scheme to boys - https://www.theguardian.com/society/2017/jul/19/hpv-vaccine-anger-decision-not-extend-nhs-scheme-boys-cancer

Shingles was found to raise the risk of stroke by 35% and the risk of heart attack by almost 60% - http://www.acc.org/latest-in-cardiology/articles/2017/06/30/12/05/does-shingles-increase-the-risk-of-heart-attack-stroke

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