

**Epi Update for Friday, March 31, 2017**  
**Center for Acute Disease Epidemiology (CADE)**  
**Iowa Department of Public Health (IDPH)**

Items for this week's EPI Update include:

- **Measles case reported in Nebraska - update**
- **Ebola virus detected in Ebola survivor 565 days after recovery**
- **In the news: Rabies kills 189 daily but you don't hear about it.**
- **In the news: Chocolate consumption may be linked to heart health**
- **Infographic: Strategic National Stockpile**
- **Meeting announcements and training opportunities**

**Measles case reported in Nebraska – update**

Last week, the Nebraska Department of Health and Human Services confirmed a case of measles in an individual who flew from Minneapolis to Omaha. Continued investigation of the measles case reported in eastern Nebraska has identified an additional exposure location:

Strategic Air Command & Aerospace (SAC) Museum (Ashland) March 13, 2017 (8:00 a.m. – 2 p.m.)

Previous reported exposure locations are listed below.

- Delta flight 798 from Minneapolis to Omaha March 12, 2017 (8:00 p.m. - 10:30 p.m.)
- Eppley Airfield South Terminal (Omaha) March 12-13, 2017 (10:30 p.m. – 1:30 a.m.)
- Eppley Airfield South baggage claim (Omaha) March 12-13, 2017 (10:30 p.m. – 1:30 a.m.)
- Hampton Inn, 12331 Southport Pkwy (La Vista) March 12, 2017 – March 17, 2017
- Urgent Care of Papillion, S 73rd Plaza (Papillion) March 15, 2017 (6:00 p.m. – 8:30 p.m.)
- CHI Urgent Care, S 96th St (La Vista) March 15, 2017 (7:00 p.m. – 10:00 p.m.)
- Bergan Mercy Hospital Emergency Department (Omaha) March 15, 2017 (8:30 p.m. – 12:00 a.m.)

There are currently NO confirmed or suspected measles cases in Iowa, but health care providers are asked to remain vigilant. Health care providers who identify patients with rash/fever illness and exposure to the above venues should isolate the patient and immediately call IDPH. During business hours, call 800-632-2736. After business hours, call the Iowa State Patrol at 515-323-4360 and they will contact the epidemiologist on call.

Patients presenting with signs of measles (fever, rash, coryza/runny nose, conjunctivitis, and cough) should have a serum specimen AND a throat swab collected. IDPH will arrange for immediate transport of the specimens to the State Hygienic Laboratory.

**Ebola virus detected in Ebola survivor 565 days after recovery**

Ebola virus has been documented in the semen of a male survivor of Ebola virus disease (he also has preexisting HIV infection). The 48-year-old man was diagnosed with Ebola in August 2014 and was discharged in September 2014 with a negative PCR blood test for Ebola virus. The patient's semen was tested every four weeks for Ebola by PCR (he continued HIV treatment) and his semen was positive for Ebola to 565 days, then plateaued and had indeterminate results up to 758 days after his discharge.

This research highlights the need to continue researching the role that co-infections such as HIV and other causes of immunosuppression might play in the persistence of Ebola virus in male survivors of Ebola. For more information, visit [www.ncdc.gov/eid/article/23/4/16-1743\\_article](http://www.ncdc.gov/eid/article/23/4/16-1743_article).

**In the news:**

Rabies kills 189 Every Day: Here's Why You Never Hear About It  
[www.huffingtonpost.com/entry/rabies-neglected-tropical-diseases\\_us\\_58bd9d8ce4b09ab537d558fc?6fhdfq5cfhoidlsor](http://www.huffingtonpost.com/entry/rabies-neglected-tropical-diseases_us_58bd9d8ce4b09ab537d558fc?6fhdfq5cfhoidlsor)

Heavy chocolate consumption may be linked to heart health (a CADE favorite!)  
[www.sciencedaily.com/releases/2011/08/110829070555.htm](http://www.sciencedaily.com/releases/2011/08/110829070555.htm).

## Infographic: Strategic National Stockpile



Infographic available at [www.cdc.gov/phpr/documents/15\\_256096-b\\_dsns\\_infographic\\_508.pdf](http://www.cdc.gov/phpr/documents/15_256096-b_dsns_infographic_508.pdf)

### Meeting announcements and training opportunities

*Iowa Infection Prevention and Control Seminar.* May 2-3, 2017, at the Cedar Rapids Marriott. For more information, visit [www.continuetolearn.uiowa.edu/UIConferences/meetings.aspx?cnfcode=17-122-01](http://www.continuetolearn.uiowa.edu/UIConferences/meetings.aspx?cnfcode=17-122-01).

### Have a healthy and happy (and rainy) week!

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800-362-2736