

Update for Measles and AFM

Deborah Bolton-Plucknett, RN



KentuckyPublicHealth

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Dr. Jeffrey D. Howard, *Commissioner*

Measles Cases and Outbreaks

Measles Cases in 2019

- From January 1 to June 13, 2019, 1,044** individual cases of measles have been confirmed in 28 states. This is an increase of 22 cases from the previous week. This is the greatest number of cases reported in the U.S. since 1992 and since measles was declared eliminated in 2000.

States with Reported Measles Cases 2019 ** (as of June 13, 2019)

- The states that have reported cases to CDC are Arizona, California, Colorado, Connecticut, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kentucky, Maine, Maryland, Massachusetts, Michigan, Missouri, New Mexico, Nevada, New Hampshire, New Jersey, New York, Oklahoma, Oregon, Pennsylvania, Texas, Tennessee, Virginia, and Washington.
- *Cases as of December 29, 2018. Case count is preliminary and subject to change.
- **Cases as of June 13, 2019. Case count is preliminary and subject to change.

Data are updated every Monday.

Measles Outbreaks Reported to CDC

- Measles outbreaks (defined as 3 or more cases) are currently ongoing in 2019 in the following jurisdictions:
- [New York State, Rockland Countyexternal icon](#)
- [New York Cityexternal icon](#)
- [California, Butte Countyexternal icon](#)
- [Pennsylvaniaexternal icon](#)
- [Washingtonexternal icon](#)
- These outbreaks are linked to travelers who brought measles back from other countries such as Israel, Ukraine, and the Philippines, where large measles outbreaks are occurring.

Measles Outbreaks

- **In a given year, more measles cases can occur for any of the following reasons:**
- **an increase in the number of travelers who get measles abroad and bring it into the U.S., and/or**
- **further spread of measles in U.S. communities with pockets of unvaccinated people**

Measles in Kentucky

- There have been two measles cases in Ky to date.
- Unvaccinated siblings traveled to the Phillipines where measles is endemic. No transmission occurred.
- Travel advisories have been and will continue to be issued
- Reference: <https://www.cdc.gov/measles/cases-outbreaks.html>

Acute Flaccid Myelitis (AFM)

- New case definition:
- Confirmed Case
- To be classified as a confirmed case, a patient must meet the following criteria:
 - 1. Acute onset of focal limb weakness, AND
 - 2. An MRI showing a spinal cord lesion(s) largely restricted to gray matter (i.e., terms in the spinal cord MRI report such as “affecting mostly gray matter,” or “affecting the anterior horn or anterior horn cells) and spanning one or more spinal segments.
- Probable Case
- To be classified as a probable case, a patient must meet the following criteria:
 - 1. Acute onset of focal limb weakness, AND
 - 2. Cerebrospinal fluid (CSF) with pleocytosis (i.e., white blood cell count >5 cells/mm³).

AFM

Council of State and Territorial Epidemiologists (CSTE) voted in a standard case definition to ensure a more uniform way to count AFM nationally.

Reporting:

- Please report any cases you suspect might have AFM to the Kentucky Department for Public Health. You can do this by calling 502-564-4478 and asking to speak Deborah Bolton-Plucknett or Jody Schweitzer. We will assist you in determining case confirmation, including specimen and symptom collection.

- **Specimen Collection**

- ***IMPORTANT:*** Please contact the Kentucky Department for Public Health to coordinate submission of specimens for testing at the CDC. Specimens should be shipped overnight to arrive at CDC Tuesday through Friday. Specimen submission form <https://www.cdc.gov/laboratory/specimen-submission/pdf/form-50-34.pdf> should be completed for each specimen submitted.

AFM Cases in the U.S.

- Note: Due to a decline in reports of patients under investigation (PUIs) for AFM, CDC will be updating the case counts monthly starting March 4, 2019.
- So far in 2019, there have been nine confirmed cases (from CA (3 cases), MD, NE, NC, TX, UT, and WV) out of 46 reports of PUIs. In 2018, there have been 232 confirmed cases of AFM in 41 states. These 232 confirmed cases are among the total of 381 reports of PUIs. Most of the 2018 PUIs have been classified, but CDC and state and local health departments are still investigating some of the PUIs. CDC is not aware of any deaths in confirmed AFM cases with illness onsets in 2018 or 2019. We have learned of deaths in cases confirmed in previous years. We ask that health departments send information about every death of an AFM case to CDC.

AFM Cases in KY (2018)

Date	Age	DOB	Gender	County	Confirmed	Date classified as Suspect	Investigation start date
12/07/2018	3	01/23/2015	male	Jefferson	10/15/18		
12/07/2018	4	09/26/2014	male	Boone	11/21/18	10/17/18	
12/07/2018	3	07/02/2015	male	Estill	11/30/18		10/18/18
12/07/2018	3	01/18/2015	male	Kenton	12/05/18	11/09/18	11/09/18

References

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Thank you!

Deborah Bolton-Plucknett, Nurse Consultant
KY DPH/Epidemiology and Health Planning
Immunization Section
275 East Main Street/HS2E-B
Frankfort, KY 40601
Tel. 502-564-4478 Ext 4259

Email: deb.bolton-plucknett@ky.gov

<https://chfs.ky.gov/agencies/dph/dehp/idb/Pages/immunization.aspx>



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