



# Epi Update

A newsletter for healthcare professionals in Platte County, MO

VOLUME 1, ISSUE 1

AUGUST 19, 2014

## SPECIAL POINTS OF INTEREST:

- Vaccination rates in Missouri teens need improvement
- Locally acquired cases of Chikungunya have been found in Florida
- Consult CDC website for updated information on Ebola Virus

## INSIDE THIS ISSUE:

- Chikungunya 2
- Ebola Resources 2
- July CD Report 3
- References 3

For more information or questions about Epi Update, contact Erin Sanders, PCHD Epidemiology Specialist at: (816) 858-2412

## August is National Immunization Awareness Month!

### How do Missouri Teens Measure Up with their Vaccines?



A recent report from the CDC provides updated vaccination coverage rates for adolescents aged 13-17 in the United States, including updated rates for the state of Missouri.<sup>1</sup> These rates were assessed via the 2013 National Immunization Survey-Teen (NIS-Teen).

Results from the survey show that VAR and meningococcal-unknown type (MenACWY) vaccination rates for the state of Missouri are both significantly lower than national rates. Only 59% of Missouri teens without a reported history of varicella have received at least two doses of the VAR vaccine, and only 61% of teens aged 13-17 have received at least one dose of the MenACWY vaccine.

HPV vaccination rates in the state of Missouri are also low. Only 46% of females have received at least one dose of the HPV vaccine, and less than 30% of females have received at least 3 doses. This is well below the *Healthy People 2020* target of 80% vaccination coverage of ≥ 3 HPV doses for females aged 13-15.

The CDC notes that recommendations from clinicians are key factors for parents deciding whether or not to vaccinate their children.<sup>1,2</sup>

In order to improve vaccination coverage, the CDC recommends that clinicians should clearly and consistently recommend all Advisory Committee on Immunization Practices (ACIP)-recommended vaccines, including HPV. Also, use of client reminders and recall systems can help prevent missed vaccination opportunities.

**Figure 1. 2013 Vaccination Coverage Rates for Missouri and United States teens aged 13-17**

Vaccine	Missouri	United States	Healthy People 2020 targets
= 2 MMR	88.3%	91.8%	-
= 2 VAR	<b>58.6%</b>	<b>78.5%</b>	<b>90%</b>
= 1 Tdap	81.5%	86.0%	<b>80%</b>
= 1 MenACWY	<b>60.7%</b>	<b>77.8%</b>	<b>80%</b>
= 1 HPV			
Females	46.1%	57.3%	-
Males	20.5%	34.6%	-
= 3 HPV			
Females	<b>28.8%</b>	<b>37.6%</b>	<b>80%</b>
Males	-	13.9%	-

-Rates in red do not meet *Healthy People 2020* targets for ages 13-15.

## New and Emerging: Chikungunya



Asian Tiger Mosquito  
Source: CDC<sup>4</sup>

On July 28, 2014, the Missouri Department of Health and Senior Services issued a health guidance regarding chikungunya virus disease (CHIK).<sup>3</sup> CHIK is a mosquito-borne disease typically acquired through foreign travel to endemic areas, though two cases have recently been linked to locally infected mosquito populations in Florida. CHIK is not known to be circulating in Missouri,

but Asian Tiger Mosquitos found in Missouri are known to be vectors of the disease. The CDC has added CHIK to the list of nationally notifiable conditions for 2015. Until that time, DHSS requests that laboratories and medical care providers report suspected CHIK cases within three days as a “novel and/or emerging disease” to DHSS or the local public health agency. Reports

should include a brief clinical summary, diagnostic tests performed or pending, the illness onset date, and travel history with dates. Patients diagnosed with CHIK are advised to stay in air-conditioned or screened accommodations during the first week of illness to avoid mosquito bites and prevent local transmission of the virus. For more info see: <http://cdc.gov/chikungunya>

*“Ebola Virus Disease can only be spread after symptoms begin.”*

Facts about Ebola CDC Infographic<sup>8</sup>, available at <http://www.cdc.gov/vhf/ebola/>

You can't get Ebola through air



## Global Epi: Ebola Virus Disease

### Quick Facts about Ebola Virus Disease (EVD)<sup>5</sup>

- EVD is **spread only 3 ways**: Direct contact with bodily fluids of a person who is sick with Ebola, exposure to objects contaminated with the virus, or by contact with blood, fluids, or meat of infected animals.
- EVD can only be spread **after symptoms begin**.
- Symptoms of EVD appear **2-21 days** after exposure.
- A 10% bleach solution, or any **EPA-registered hospital or laboratory disinfectant** used according to the manufacturers' instructions, is sufficient to disinfect surfaces contaminated with EVD.<sup>6,7</sup>
- Ebola currently poses **no significant risk in the United States**.<sup>8</sup>

### Resources Available for Health Professionals<sup>9</sup>

- CDC's **Ebola Virus Disease Information for Clinicians in U.S. Healthcare Settings**<sup>10</sup> provides up-

dated information about EVD to clinicians working in the U.S.

- CDC's **Case Definition for Ebola Virus Disease (EVD)**<sup>11</sup> defines low and high risk exposures for EVD.
- CDC's **Interim Guidance for Monitoring and Movement of Persons with Ebola Virus Disease Exposure**<sup>12</sup> provides specific instructions for monitoring patients with potential EVD exposure.
- CDC's **Infection Prevention and Control Recommendations for Hospitalized Patients with Known or Suspected Ebola Hemorrhagic Fever in U.S. Hospitals**<sup>13</sup> provides instructions on safely managing EVD patients. CDC states that any hospital that is following these recommendations and can isolate a patient in a private room is capable of safely managing a patient with EVD.<sup>6,14</sup>
- CDC recommends referring **patients with concerns about Ebola** to a Q&A from the CDC found at <http://www.webmd.com/news/20140808/ebola-questions-answers>.<sup>15</sup>

# Communicable Disease Report

## Notable this month: Tick-borne diseases

Of the fourteen "Other" disease reports received by the Platte County Health Department in July, eight were tick-borne diseases, including Ehrlichiosis and Rocky Mountain Spotted Fever. Historical data was not available for these tick-borne diseases.

July Reportable Diseases	2014		YTD				5Y AVG
	July	YTD	2013	2012	2011	2010	
Animal bites	2	19	23	21	27	6	21
Gastrointestinal Diseases	2	15	26	11	17	13	15
Hepatitis	8	39	44	55	35	17	39
Sexually Transmitted Diseases	9	35	21	62	23	41	35
Tuberculosis	3	22	47	23	31	15	23
Other	14	60	45	70	32	18	45
-Tick-borne Diseases	8	14	NA	NA	NA	NA	NA
<b>TOTAL</b>	<b>38</b>	<b>190</b>	<b>206</b>	<b>242</b>	<b>165</b>	<b>110</b>	<b>183</b>

Please note that categories are grouped communicable diseases or conditions, most of which are mandatory by law to report (see links below). Totals reported for each category represent total number of reports and inquiries to the health department, not total number of cases.

Categories: Animal bites category includes any type of bite. Gastrointestinal Disease category includes all reportable GI diseases. Hepatitis category could include chronic or acute infections of Hepatitis A, B or C. Sexually Transmitted Disease category includes all reportable STDs other than Hepatitis. Tuberculosis category includes all reports, calls/inquiries, requests for previous records, etc., regarding active or latent cases of TB. Other category includes reports or inquiries regarding individual diseases that do not fit previous categories.

List of Reportable Diseases & Conditions: <http://health.mo.gov/living/healthcondiseases/communicable/communicabledisease/pdf/reportablediseaselist2.pdf>

Rules of Department of Health and Senior Services - Division 20—Division of Community and Public Health Chapter 20—Communicable Diseases: <http://www.sos.mo.gov/adrules/csr/current/19csr/19c20-20.pdf>

## References

1. CDC. National, regional, state, and selected local area vaccination coverage among adolescents aged 13-17 years—United States, 2013. MMWR 2013;63:625-33. [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6329a4.htm?s\\_cid=mm6329a4\\_w](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6329a4.htm?s_cid=mm6329a4_w)
2. CDC. Human Papillomavirus vaccination coverage among adolescents, 2007-2013, and postlicensure vaccine safety monitoring, 2006-2014—United States. MMWR 2013;63:620-4. [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6329a3.htm?s\\_cid=mm6329a3\\_w](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6329a3.htm?s_cid=mm6329a3_w)
3. MO DHSS. Health guidance: Chikungunya virus. Jul 24, 2014. <http://health.mo.gov/emergencies/ert/alertsadvories/pdf/HG7-24-14.pdf>
4. CDC. Chikungunya virus. Aug 5, 2014. <http://www.cdc.gov/chikungunya/>
5. CDC. West Africa outbreak infographic. Aug 8, 2014. <http://www.cdc.gov/vhf/ebola/pdf/west-africa-outbreak-infographic.pdf>
6. CDC. COCA call audio/transcript: What U.S. hospitals need to know to prepare for Ebola Virus Disease. Aug 7, 2014. <http://emergency.cdc.gov/coca/transcripts/2014/call-transcript-080514.asp>
7. CDC. Interim guidance for specimen collection, transport, testing, and submission for patients with suspected infection with Ebola Virus Disease. Aug 11, 2014. <http://www.cdc.gov/vhf/ebola/hcp/interim-guidance-specimen-collection-submission-patients-suspected-infection-ebola.html>
8. CDC. Facts about Ebola infographic. Aug 3, 2014. <http://www.cdc.gov/vhf/ebola/pdf/infographic.pdf>
9. CDC. Ebola hemorrhagic fever: Information for health care workers. Aug 10, 2014. <http://www.cdc.gov/vhf/ebola/hcp/>
10. CDC. Ebola virus disease information for clinicians in U.S. healthcare settings. Aug 10, 2014. <http://www.cdc.gov/vhf/ebola/hcp/clinician-information-us-healthcare-settings.html>
11. CDC. Case definition for Ebola virus disease (EVD). Aug 7, 2014. <http://www.cdc.gov/vhf/ebola/hcp/case-definition.html>
12. CDC. Interim guidance for monitoring and movement of persons with Ebola virus disease exposure. Aug 8, 2014. <http://www.cdc.gov/vhf/ebola/hcp/monitoring-and-movement-of-persons-with-exposure.html>
13. CDC. Infection prevention and control recommendations for hospitalized patients with known or suspected Ebola hemorrhagic fever in U.S. hospitals. Aug 5, 2014. <http://www.cdc.gov/vhf/ebola/hcp/infection-prevention-and-control-recommendations.html>
14. CDC. Safe management of patients with Ebola virus disease (EBD) in U.S. Hospitals. Aug 6, 2014. <http://www.cdc.gov/vhf/ebola/hcp/patient-management-us-hospitals.html>
15. CDC. Ebola questions and answers. Aug 8, 2014. <http://www.webmd.com/news/20140808/ebola-questions-answers>



## Platte County Health Department

### North

212 Marshall Road  
Platte City, MO 64079  
(816)858-2412  
Fax (816)858-2087

### South

1201 East Street  
Parkville, MO 64152  
(816)587-5998  
Fax (816)587-6028

## Services Provided

- Disease Surveillance
- Emergency Preparedness
- Environmental Health
  - *Restaurant & Septic Inspections*
- Health Education
- Special Deliveries Program
- Women, Infants & Children (WIC)
- Vital Records
  - *Birth & Death Certificates*
- Family Healthcare Clinic
  - *Physician*
  - *Nurse Practitioner*
- Walk-In Clinic
  - *Adult/Child /Travel Vaccinations*
  - *HIV/STD Testing*
  - *Pregnancy Testing*

Find us online at  
[www.plattecountyhealthdept.com](http://www.plattecountyhealthdept.com)