



Public Health
Prevent. Promote. Protect.
Platte County Health Department

Epi Update

A newsletter for healthcare professionals in Platte County, MO

VOLUME 4, ISSUE 1

JANUARY 11, 2017

SPECIAL POINTS OF INTEREST:

- **Spotlight PCHD!**
Learn who is eligible to receive **FREE** 317 vaccine at PCHD
- The FDA has new info on commercial Zika Virus IgM tests and what the results mean
- Check out a recent CDC COCA Call for up-to-date education on public health issues
- Flu is increasing in Platte County

INSIDE THIS ISSUE:

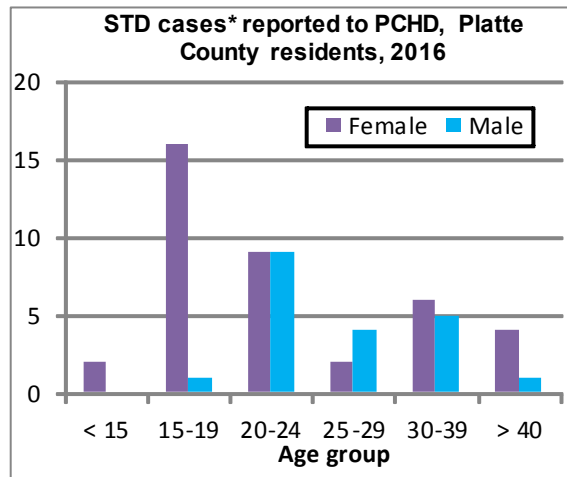
- Spotlight 217 Vaccine
- False Positive 217 Zika Tests
- COCA call info 2 for HCPs
- December 317 Flu Report
- December 417 CD Report

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

Communicable Diseases in 2016

PCHD processed a total of 469 communicable disease reports, notifications, and calls/questions in 2016 (not including seasonal influenza reports). Overall, reporting was 33% higher than the average over the past 5 years. Of these reports, 198 were confirmed, probable, or suspected disease cases in residents within Platte County's jurisdiction. 89 reports investigated were determined to be not cases, not reportable, or new notifications for previously reported cases. 100 reports were outside of Platte County's jurisdiction and were forwarded to the appropriate health department, and 82 were disease-related questions or complaints reported to PCHD Epidemiology staff.

The most commonly reported disease cases and conditions among Platte County residents in 2016 included chlamydia (44), animal bites (38), latent tuberculosis infections (15), chronic hepatitis C (14), gonorrhea (12), and salmonellosis (11). Another frequent concern this year was Zika, which comprised nearly 30% of disease-related questions to PCHD in 2016. A total of 7 Platte County residents received public health testing for Zika in 2016, with no laboratory-confirmed cases of Zika reported.



Reported Diseases, Platte County, 2016	Cases (#)*	5 year avg [†]
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Gastrointestinal diseases

Campylobacteriosis	9	4.6
Cryptosporidiosis	4	3.2
<i>E. coli</i> , shiga-toxin positive	1	0.8
<i>E. coli</i> O157:H7	0	1.0
Hepatitis A, acute	1	0.0
Salmonellosis	11	9.2
Shigellosis	10	1.2

Hepatitis

Hepatitis B, pregnancy	1	0.8
Hepatitis B, chronic	2	1.6
Hepatitis C, chronic	10	15.0

Tuberculosis

Tuberculosis disease	0	0.4
Tuberculosis infection	14	8.0

Tick-borne diseases

<i>Ehrlichia chaffeensis</i>	1	1.8
Lyme	1	0.4
Rocky Mountain Spotted Fever	1	0.8
Tularemia	1	0.4

Other diseases

<i>Haemophilus influenzae</i> , invasive	1	0.0
Legionellosis	2	0.6
Nontuberculosis Mycobacterium (MOTT)	1	2.4
Pertussis	0	3.4
Rabies post-exposure prophylaxis	3	1.2
<i>Strep pneumoniae</i> , invasive	3	N/A

[†]5 year average is for years 2011-2015

*Cases are Confirmed or Probable cases in Platte County residents who do not live in Kansas City, MO city limits



Spotlight PCHD

Spotlight on Free 317 Vaccine

Free Vaccine?.....

The Platte County Health Department partners with The Centers for Disease Control and Prevention to provide free vaccinations to adolescents and adults over 19 years of age. This federal funding, known as Section 317, is available to qualified individuals to help control and hopefully eliminate vaccine-preventable diseases.

To qualify, the individual must be uninsured, receiving Medicaid, or underinsured—which means their private insurance does not cover the vaccine. All Missouri residents meeting one of these requirements can receive any of the following vaccines for FREE at the Platte County Health Department in Parkville between the hours of 8 am and 3:45 pm M-F on a walk-in basis:

- ◆ Hepatitis B
- ◆ Hepatitis A/B (aka Twinrix)
- ◆ HPV
- ◆ Influenza
- ◆ MMR
- ◆ Meningococcal
- ◆ Pneumococcal
- ◆ Tdap
- ◆ Td
- ◆ Varicella

The vaccine availability and inventory may change at any time, so please give us a call. We look forward to partnering with your patients for a safe, healthy Platte County!

We are located at:

1201 East Street, Parkville, MO 64152
Ph. 816-587-5998

The Missouri State Public Health Laboratory continues to provide Zika testing to patients that meet testing criteria. Providers with questions regarding Zika testing of patients can contact Missouri DHSS at **573-751-6113** or after hours/weekends at **800-392-0272**. For more info, visit <http://health.mo.gov/emergencies/ert/med/zika.php>.²

FDA Alert: Zika False Positives

In August, the FDA authorized the ZIKV Detect IgM Capture ELISA manufactured by InBios International, Inc. as the first commercially available Zika serological IgM test. This test was approved to only report preliminary (presumptive) detection of Zika virus IgM antibodies and requires samples to be sent for confirmatory testing.

On Dec 22, 2016, the [FDA issued a safety communication](#) to providers that the **ZIKV Detect test provided by LabCorp** has generated higher than expected false positive results.¹ Less than half of the presumptive positive results captured by LabCorp through the ZIKV detect test have been confirmed by the CDC upon further testing.

As a result, the FDA urges providers to be aware that positive IgM Zika virus results are only considered presump-

tive and **must be confirmed** through additional testing by the CDC or qualified laboratories. This testing could take a week to a month to be performed, but **can be prioritized** if health care providers notify the laboratory that their **patient is pregnant**.

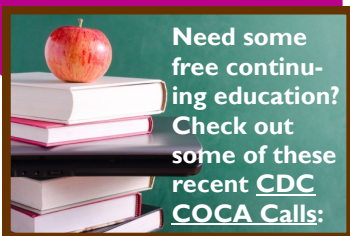
Providers caring for pregnant women should inform their patients that positive results need to be confirmed before making health care decisions. Presumptive positive Zika virus IgM test results should not be used by providers as the sole basis for significant patient management decisions.

For more information on this safety communication from the FDA, see <http://www.fda.gov/MedicalDevices/Safety/AlertsandNotices/ucm534515.htm>.

COCA Learning Opportunities

Get up-to-date information on emerging public health issues by checking out one of the COCA Calls/Webinars below, or visit <https://emergency.cdc.gov/coca/index.asp>.³

- ◆ [Effectively Communicating with Patients about Opioid Therapy](#) (12/13/16)⁴
- ◆ [Risk Mitigation Strategies to Reduce Opioid Overdoses](#) (12/6/16)⁵
- ◆ [Gearing up for the Travel Season: How Clinicians can Ensure Their Patients are Packed with Knowledge on Zika Prevention](#) (12/8/16)⁶



Need some free continuing education? Check out some of these recent **CDC COCA Calls**:

Platte County Influenza Report

Platte County 2016-17 Reported Influenza Cases							
12/4/16—12/31/16		Epi Week				Total	STD*
Age Group	Type	49	50	51	52		(40-52)
0 - 1	Type A				1	1	1
	Type B					0	1
	Type A or B					0	0
2 - 4	Type A					0	0
	Type B					0	0
	Type A or B					0	0
5 - 14	Type A		1	1	2	4	4
	Type B					0	0
	Type A or B					0	0
15 - 24	Type A			2		2	11
	Type B					0	0
	Type A or B					0	0
25 - 49	Type A		3	1	1	5	5
	Type B					0	0
	Type A or B					0	0
50 - 64	Type A					0	1
	Type B			1		1	4
	Type A or B					0	0
65 +	Type A			3	1	4	4
	Type B			1		1	1
	Type A or B					0	0

Flu totals[†]

Weeks 49—52:

A	16
B	2
A or B	0

*Season to date:

A	26
B	6
A or B	0

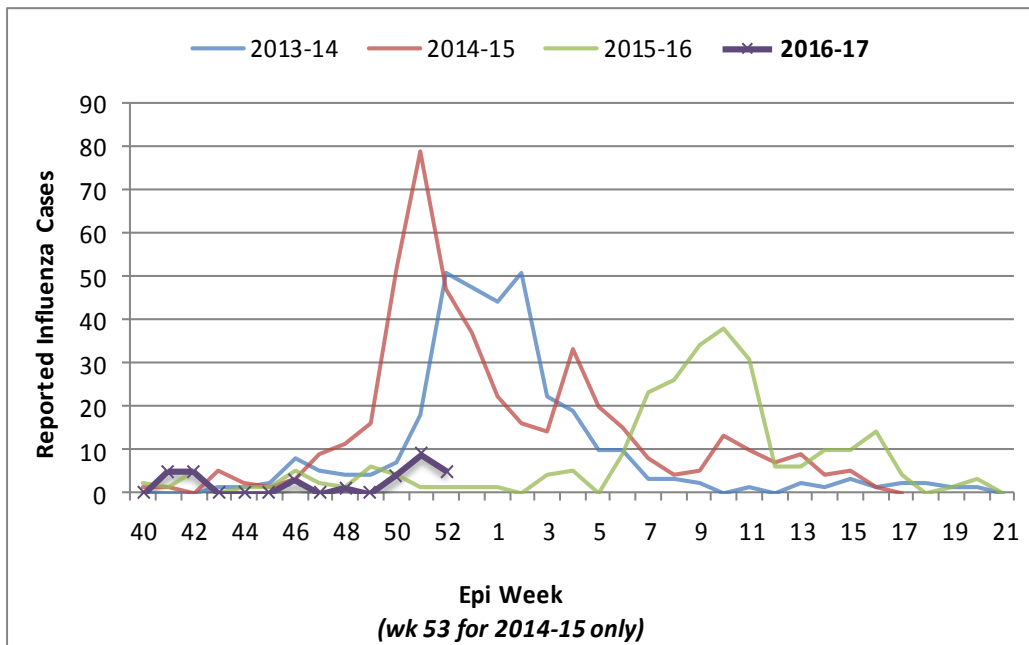
[†] Reflect total reports received as of 1/6/17

Notable this Month:

Reported influenza cases began increasing in Platte County residents over the last few weeks of December. Flu A remains predominant this month and season to date.

Platte County residents aged 65 and older experienced the highest incidence of reported flu in December. Season to date, flu incidence has been highest in 15-24 year olds.

Reported Influenza Cases in Platte County residents, by Epidemiological week, past 3 influenza seasons and 2016-17 season-to-date[†]



Reported influenza cases increased in December but have not reached peak levels seen in the past few influenza seasons in Platte County.

Communicable Disease Report

Notable this month: Reporting was average in the month of December. Reported diseases of interest in December included 1 case of Salmonellosis, 2 cases of invasive pneumococcal disease, and 2 reported cases of Chickenpox in Platte County elementary schools.

Overall in 2016, the number of reports and notifications for animal bites and gastrointestinal diseases were approximately double their respective five year averages for 2011-2015, but similar to numbers seen in 2015. A regional shigellosis outbreak in late 2016 through early 2017 partly contributed to above average gastrointestinal cases this year, while Zika calls and reports comprised a large percentage of "Other" reporting in 2016. Hepatitis and STD reporting were also higher than average in 2016.

Reportable Diseases December 2016		YTD*						5 YR AVG†
		2016	2015	2014	2013	2012	2011	
Animal Bites	1	57	60	27	33	32	36	28
Gastrointestinal Diseases	4	63	61	20	41	29	39	32
Hepatitis	4	83	101	62	79	82	77	67
STD	6	87	55	67	26	104	34	64
Tuberculosis	2	48	30	38	63	54	49	47
Other	11	131	70	114	86	122	68	85
TOTAL	28	469	377	328	328	423	303	352

*Year-to-date (counts reflect total cases January through December of the given year)

† Five year average is of YTD counts for years 2011-2015.

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://s1.sos.mo.gov/cmsimages/adrules/csr/current/19csr/19c20-20.pdf>

References

1. FDA. FDA Warns Health Care Providers Against Relying Solely on Zika Virus Serological IgM Assay Results; Reminds them to Wait for Confirmatory Test Results Before Making Patient Management Decisions: FDA Safety Communication. Dec 22, 2016. Retrieved 2017, Jan 9 from <http://www.fda.gov/MedicalDevices/Safety/AlertsandNotices/ucm534515.htm>
2. Missouri DHSS. Zika Virus Disease: Information for Medical and Public Health Professionals. Retrieved 2017, Jan 9 from <http://health.mo.gov/emergencies/ert/med/zika.php>
3. CDC. Clinician Outreach and Communication Activity (COCA). Retrieved 2017, Jan 9 from <https://emergency.cdc.gov/coca/index.asp>
4. CDC COCA Calls/Webinars. Effectively Communicating with Patients about Opioid Therapy. Dec 13, 2016. Retrieved 2016, Jan 9 from https://emergency.cdc.gov/coca/calls/2016/callinfo_121316.asp
5. CDC COCA Calls/Webinars. Risk Mitigation Strategies to Reduce Opioid Overdoses. Dec 6, 2016. Retrieved 2016, Jan 9 from https://emergency.cdc.gov/coca/calls/2016/callinfo_120616.asp
6. CDC COCA Calls/Webinars. Gearing up for the Travel Season: How Clinicians Can Ensure Their Patients are Packed with Knowledge on Zika Prevention. Dec 8, 2016. Retrieved 2016, Jan 9 from https://emergency.cdc.gov/coca/calls/2016/callinfo_120816.asp

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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*

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