



Epi Update

A newsletter for healthcare professionals in Platte County, MO

VOLUME 2, ISSUE 11

NOVEMBER 10, 2015

SPECIAL POINTS OF INTEREST:

- Do you know what steps should be taken to prevent Perinatal Hep B transmission?
- November is American Diabetes Month. Learn more about diabetes in Platte County
- Influenza season has begun in Platte County. See October's flu report

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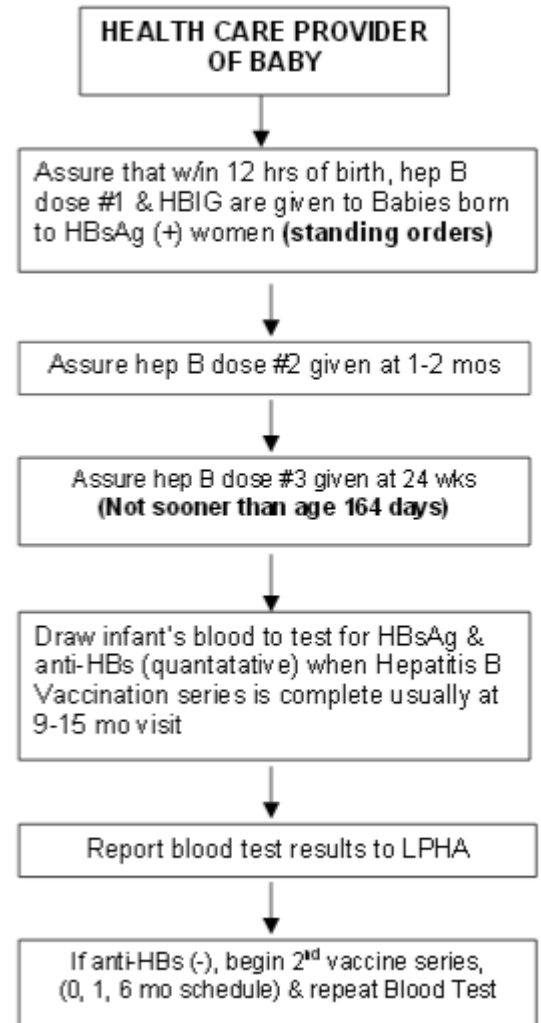
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For more information or questions about Epi Update, contact Erin Sanders, PCHD Epidemiology Specialist at: (816) 858-2412

Prevent Perinatal Hepatitis B Transmission

An estimated 40% of infants born to mothers infected with Hepatitis B Virus (HBV) in the United States will develop chronic hepatitis B infection if they do not receive postexposure immunoprophylaxis, and about a quarter of these will eventually die from chronic liver disease.¹ National and state guidelines describe how public health and health care providers can work together to ensure infants get the necessary care to prevent perinatal HBV transmission.^{1,2}

- **During each pregnancy:** Screen for HBsAg. If positive, report to the local public health agency (LPHA). Forward results to delivering hospital with a flag of positive HBsAg status.
- **At delivery:** Babies born to HBsAg positive mothers should receive HBIG and their first dose of hepatitis B vaccine within 12 hours of birth.
- **Complete Vaccine Series:** Ensure infants receive their second hepatitis B dose at 1-2 months, and their third dose at 24 weeks, but no sooner than the age of 164 days.
- **Post-vaccination serology:** After completion of series, draw infant's blood to test for HBsAg and anti-HBs (quantitative). This should be done when infants are at least 9 months of age, and is most accurate when performed 1-2 months after the last dose of the series, usually around 9-12 months.^{2,3} If the test results are anti-HBs negative, the Hepatitis B vaccination series will need to be repeated. Report results to the LPHA so immunity status can be documented.



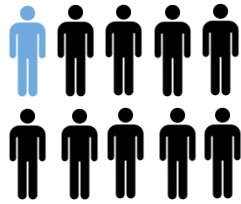
Algorithm for baby's health care provider
Source: Missouri DHSS²

To learn more, visit <http://www.cdc.gov/hepatitis/hbv/perinatalxmtn.htm>.

The International Diabetes Federation is promoting diabetes awareness worldwide on November 14. Learn more at www.idf.org.⁷



Quick Stats: Diabetes in Platte Co



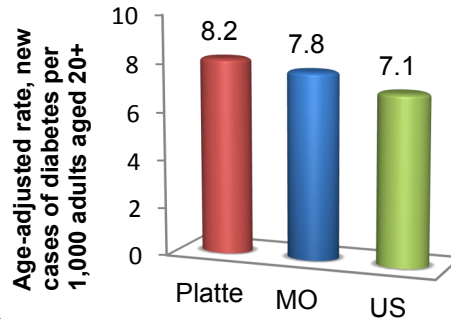
9.6% of Platte County adults aged 20 and older have diabetes⁴

Diabetes was the **7th** leading cause of death and the **3rd** leading cause of preventable hospitalizations in Platte County residents in 2009-2013.^{5,6}

Worldwide, almost 400 million people live with diabetes, a number that is estimated to rise to nearly **600 million** by 2035.⁷ During National Diabetes Month, learn more about what you can do:

Over 500 new cases of diabetes are diagnosed in Platte County adults each year⁴

Diagnosed Diabetes Incidence, 2012



- **Prevention** Up to 70% of type 2 diabetes cases could be prevented through lifestyle interventions⁷
- **Diagnosis** 1 in 4 Americans with diabetes don't know they have it⁸
- **Healthy Lifestyle** Healthy eating and physical activity can help prevent type 2 diabetes and also help in managing type 1 and 2 diabetes⁷⁻⁹

For more resources and information, visit the [CDC](http://www.cdc.gov) and [American Diabetes Association](http://www.diabetes.org) websites.^{8,9}

Reminder:

Fax your flu reports **weekly** to PCHD at 816-858-2087. Click [HERE](#) for a copy of the reporting form.

Platte County Influenza Report

Platte County Reported Influenza Cases [†]							
10/04/15 — 10/31/15		Epi Week				Total	STD*
Age Group	Type	40	41	42	43	(40-43)	(40-43)
0 - 1	Type A					0	0
	Type B					0	0
	Type A or B					0	0
2 - 4	Type A					0	0
	Type B		1			1	1
	Type A or B					0	0
5 - 14	Type A					0	0
	Type B					0	0
	Type A or B					0	0
15 - 24	Type A					0	0
	Type B					0	0
	Type A or B					0	0
25 - 49	Type A			1		1	1
	Type B	1		4		5	5
	Type A or B					0	0
50 - 64	Type A					0	0
	Type B					0	0
	Type A or B					0	0
65 +	Type A					0	0
	Type B	1				1	1
	Type A or B					0	0

Flu totals[†]

Weeks 40-43:

A	1
B	7
A or B	0

*Season to date:

A	1
B	7
A or B	0

[†] Reflect total reports received as of 11/9/15

Notable this Month:

Platte County has had a total of 8 reported influenza cases since the 2015-16 influenza season began in week 40 (week of 10/4/15). This number is similar to the number of cases seen at this time last season.

The majority of cases have been influenza B. To date, more cases have been seen in 25-49 year olds than any other age group.

Communicable Disease Report

Notable this month: Reporting of animal bites, gastrointestinal diseases, and hepatitis continues to be high YTD*. Reported gastrointestinal diseases this month included 2 cryptosporidiosis, 1 giardiasis, and 1 campylobacteriosis.

Reportable Diseases October 2015		YTD*						5 YR AVG†
		2015	2014	2013	2012	2011	2010	
Animal Bites	6	53	26	30	29	31	8	25
Gastrointestinal Diseases	7	52	19	36	27	39	24	29
Hepatitis	10	84	48	67	75	60	28	56
STD	1	41	53	25	88	32	76	55
Tuberculosis	1	25	33	57	44	38	25	39
Other	8	64	103	71	114	47	24	72
TOTAL	33	319	282	286	377	247	185	275

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

† Five year average is of YTD counts for years 2010-2014.

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/reportablediseaseelist2.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>

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South

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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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