



# Public Health Happenings



April, 2010

- The public health response to the H1N1 Pandemic in Rock Island County was multifaceted.
- Local response to foodborne Hepatitis A outbreak
- 2009 Surveillance Statistics
- STD Reporting

### H1N1 Clinics

Local Schools **15**

R.I. Co. Health Dept. **27**

QC Greater Auto Auction

QCCA Expo Center

Reynolds Amer. Legion

Our Lady of Guadalupe Church

## Rock Island County Health Department

### H1N1 in Rock Island County



H1N1 Influenza	State of Illinois	Rock Island County
Hospitalizations	2993	23
Deaths	104	1



In the Spring of 2009 the novel Influenza A virus, which subsequently became known as H1N1, began appearing. The first confirmed case in Illinois was reported in late April 2009.

In June 2009 the World Health Organization declared that a global pandemic was underway with infected individuals in 200 countries and 11,500 deaths worldwide.

Rock Island County Health Department managers met

in early August 2009 to plan for the receipt and distribution of H1N1 vaccine. This planning team was assisted by the RI Co. Incident Management Team (IMT) which included the following key partners: RI Co. Emergency Management. RI Fire Dept., Trinity Medical Center, and Genesis Medical Center-Illini Campus.

The second wave of illness began in the Fall of 2009. The first confirmed case in Rock Island County was reported on October 1,

2009. Rock Island County Health Dept. began receiving H1N1 vaccine on October 22, 2009.

Initially vaccine was used only for individuals in the Center for Disease Control & Prevention (CDC) priority groups. On Dec. 11, 2009 vaccine administration was expanded to the general public. The Rock Island County Health Department has given a total of 15,371 initial injections and 1,101 second injections for children 9 yrs of age and under.

### H1N1 by the Numbers

State of Illinois Statistics		
Age	Hospital Cases	Deaths
0-4	598	2
5-18	664	11
19-24	243	5
25-49	765	38
50-64	518	31
65+	204	17

**Community partners provided assistance during H1N1 with items such as refrigeration space for vaccine, facilities for clinic sites, and personnel to help staff the clinics.**



### Volunteer Efforts for H1N1

**Medical Reserve Corps members donated a total of 768 work hours. Various other community groups such as the School Nurses, RI Fire Dept., Trinity College of Nursing, and the Milan Lions contributed 1,028 hours.**

**For a complete list of those who donated time and/or resources please refer to [www.richd.org](http://www.richd.org)**

**24/7 Disease Reporting: (309) 794-7085**

## **Reporting Requirements for Sexually Transmitted Disease**

According to the Illinois Administrative Code Section 693.20 the following are considered reportable sexually transmitted diseases (STDs): Acquired Immunodeficiency Syndrome (AIDS), HIV, Syphilis, Gonorrhea, Chlamydia, Chancroid, and Ophthalmia neonatorum (Gonococcal). Section 693.30 specifies that the **physician** diagnosing or treating the STD **must** report each case.

Information should be reported on an Illinois Dept. of Public Health Confidential Morbidity Report of Sexually Transmitted Diseases.

This should be faxed to the Rock Island County Health Dept. Attn. Rose at 309-788-8314 or called to 309-558-2823.

## **Surveillance Statistics**

**Jan-Dec 2009**

	<b>Cases</b>		<b>Cases</b>		<b>Cases</b>
Chlamydia	93	Hepatitis A	18	Strep Group A	12
Gonorrhea	36	Hepatitis B	24	Whoop.Cough	16
Syphilis	8	Hepatitis C	94	Rabies	12
Chickenpox	13	Salmonellosis	15	H1N1 confirm.	50
Giardiasis	13	Shigellosis	5	Lyme Disease	8

### **Local Hepatitis A Foodborne Disease Outbreak**

Hepatitis A can be spread by person to person transmission. It can also be transmitted by consumption of food contaminated with the virus. This can occur when an infected food handler is in the infectious stage of the disease and excreting the virus in the stool. After using the restroom, the food handler does not do an adequate handwash, returns to work, and has bare-handed contact with food that does not require additional cooking. The infectious period is one week before symptom onset until one week after jaundice occurs.

Two food handlers at a Milan fast food restaurant were diagnosed with Hepatitis A and both worked handling ready to eat foods during their infectious periods. The Cen-

ter for Disease Control and Prevention (CDC) case definition requires that cases test positive for Hepatitis A IgM antibody and have either elevated ALT (>60) or jaundice.

In Illinois Hepatitis A is a Class IB reportable disease. As such it must be reported to the Rock Island County Health Dept.(RICHD) within 24 hours of diagnosis. In the case of this outbreak, there was a significant reporting delay. The index case was diagnosed on June 11, 2009; a second food handler at the same establishment was diagnosed on July 15, 2009. The RICHD was notified by mail on June 26, 2009.

On July 15, 2009 there were 11 confirmed and 2 suspect cases in the Henry, Rock Island, Mercer County area. Since one of the cases was a food handler at a local fast food restaurant & had worked during their infectious period, the restau-

rant was closed on July 15. By July 17 there were 18 confirmed cases most with a history of eating at the fast food restaurant but also with purchasing groceries & ready to eat food at a nearby grocery store.

RICHD was involved in providing individual handwashing education and Hepatitis A vaccinations for all the fast food employees and all ready to eat grocery store employees. The Health Dept. also offered a public vaccination clinic for individuals who had eaten at the fast food restaurant during the employee's infectious period. Approximately 5,400 people were vaccinated. Second Hepatitis A injections are currently being offered at the Health Dept. Initial injections offer approximately 1 year of protection while the second injection provides longer lasting immunity.