

# Novel H1N1 Update





## June 11: a pandemic is declared



# July 24-August 24\*:

- Britain launches national flu line/website. 9.3 million hits the first hour.
- Pregnant women account for 6% H1N1 deaths, but only 1% of the total population
- U.K. reports reactions to Tamiflu.
- Flu strikes summer camps in 40 states.
- Clinical vaccine trials begun the first week of Aug.

\* Source for all headlines is Centers for Infectious Disease Research and Policy

# July 24-August 24:

- CDC stops reporting case counts, moves to reporting only hospitalizations and deaths.
- Argentina flu deaths double in two weeks. (337)
- Hanoi closes all schools in bid to stop H1N1.
- U.S. hospitalizations: 6506. Deaths:436.
- France prepares TV lessons in preparations for school shutdowns
- Officials close schools/colleges in Bombay.

## July 24-August 24:

- Hong Kong, China, Singapore report Tamiflu resistant cases.
- World Health Organization reports H1N1 present in 170 countries.
- U.S. Hospitalizations: 7511, deaths: 477.
- Quebec to keep pregnant teachers home this fall.
- H1N1 vaccine orders in northern hemisphere top 1 billion doses.
- 55% of adults plan be vaccinated, 63% of parents plant to have their children vaccinated.  
(ABC News and AP poll, respectively)

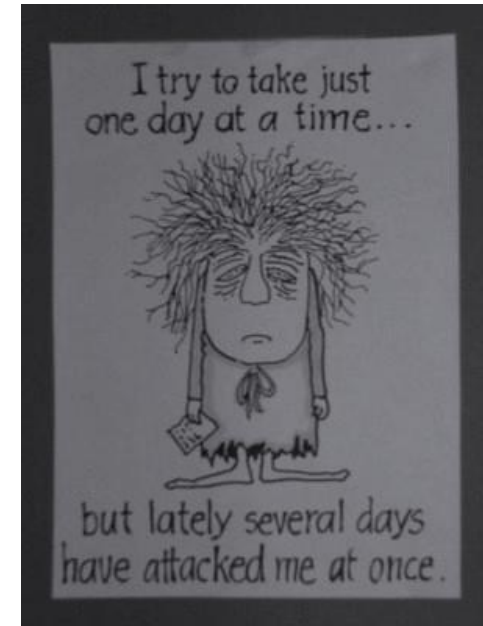
# Expectations:

1. There will be a dramatic increase in cases when school starts this fall.
2. The media will step up coverage of H1N1 news.
3. The public will have many concerns/questions.



# Expectations:

5. About 159,000 County residents will be eligible for receiving vaccine in the 1<sup>st</sup> tier.
6. MCDH resources and staff will be stressed.
7. The H1N1 vaccination campaign will be launched in October.



# Current Planning:

- Met with school representatives in July.
- Sent educational letter to County partners.
- Participating in weekly CDC and IDPH planning calls.
- Coordinated public information campaign is in the process of being mapped out.

# Current Planning:

- Internal planning group formed.
- Meeting regularly with Centegra and Mercy, have scheduled a meeting with Good Shepherd.
- Meeting with school superintendants in September.
- Planning postcard outreach for nurses to join the MRC and assist with vaccination campaign.
- Maintaining website updates.
- IDPH pre registration information is on MCDH website.

# ACIP Vaccination Target Populations

## Tier I

**Pregnant women,**

**people who live with or care for children younger than 6 months of age,**

**health care and emergency medical services personnel,**

**persons between the ages of 6 months through 24 years of age, and**

**people ages 25 through 64 years who are at higher risk because of chronic health disorders or compromised immune systems.**

# Action Plan

1. Currently embracing every opportunity to increase our knowledge and understanding of the developing H1N1 situation.
  - Monitoring new and updated guidance
  - Researching and assessing local data and resources
  - Monitoring media sources
  - Participate in a variety of weekly CDC and IDPH conference calls

# Action Plan

2. Reaching out to develop effective community partnerships
  - Health Systems, Clinics and Independent Providers
  - Schools
  - Contractors
  - Pharmacies

# Action Plan

## 3. Reviewing and Refining Existing Systems

- Coordinated Communication Systems
- Appointment Systems
- Clinic systems
- Educational Materials and Opportunities
- Billing Process

# Action Plan

## 4. Developing new systems

- Vaccine storage, distribution and tracking systems
- Data systems
- Inventories

# Action Plan

5. Researching opportunities to expand existing resources
  - Personnel
  - Materials
  - Facilities

# McHenry County Tier 1 Estimates by Group

Tier 1 Groups	Estimate	Percent of Population <sup>a</sup>
1. Pregnant Women <sup>b</sup>	3,853	1.2%
2. People who live with or care for children younger than 6 months of age <sup>c</sup>	6,655	2.1%
3. Healthcare and emergency services personnel <sup>d</sup>	7,288	2.3%
4. Persons between the ages of 6 months through 24 years of age <sup>a</sup>	111,079	35.2%
5. People from ages 25 through 64 years who are at higher risk for novel H1N1 because of chronic health disorders or compromised immune systems <sup>f</sup>	57,500	18.2%
<b>Total</b>	<b>186,375</b>	<b>59.0%</b>
<b>Total population based only on CDC's estimate of 159 million</b>	<b>167,597</b>	<b>53%</b>
<b>McHenry County Population<sup>a</sup></b>	<b>315,943</b>	

<sup>a</sup>Source: US DHHS, CDC, NCHS, Bridged-Race Population Estimates, United States July 1<sup>st</sup> resident population by state, county, age, sex, bridged-race, and Hispanic origin, compiled from 1990-1999 bridged-race intercensal population estimates and 2000-2007 (Vintage 2007) bridged-race postcensal population estimates.

<sup>b</sup>Source: U.S. Census Bureau, 2007 American Community Survey.

<sup>c</sup>The product of the average household size for McHenry County<sup>a</sup> and half of the children under the age of one year<sup>d</sup>, which estimates the number of children under 6 months of age.

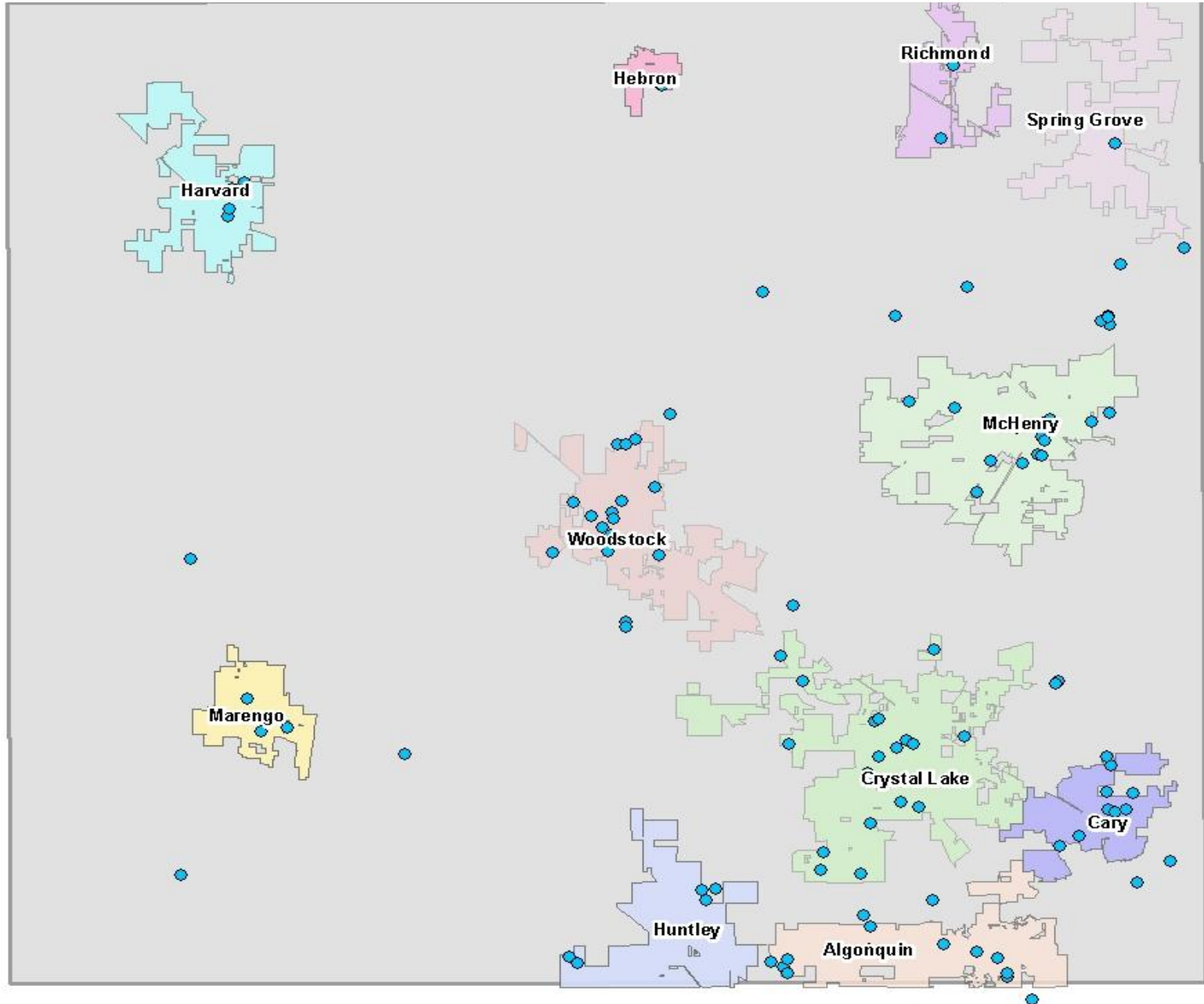
<sup>d</sup>Source: personal communication with health care and emergency services personnel and organizations.

<sup>f</sup>Due to difficulty in determining the total number of individuals with one or more risk factor and based on the chronic disease literature and other public health statistical reports, it was estimated that about 1/3<sup>rd</sup> of the adult population has one or more risk factor.

# School Vaccination

- Easy and effective way to reach a large portion of the tier 1.
- 110 Schools
- 18 Districts
- Approximately 66,000 students
  - This is approximately 35% of Tier 1

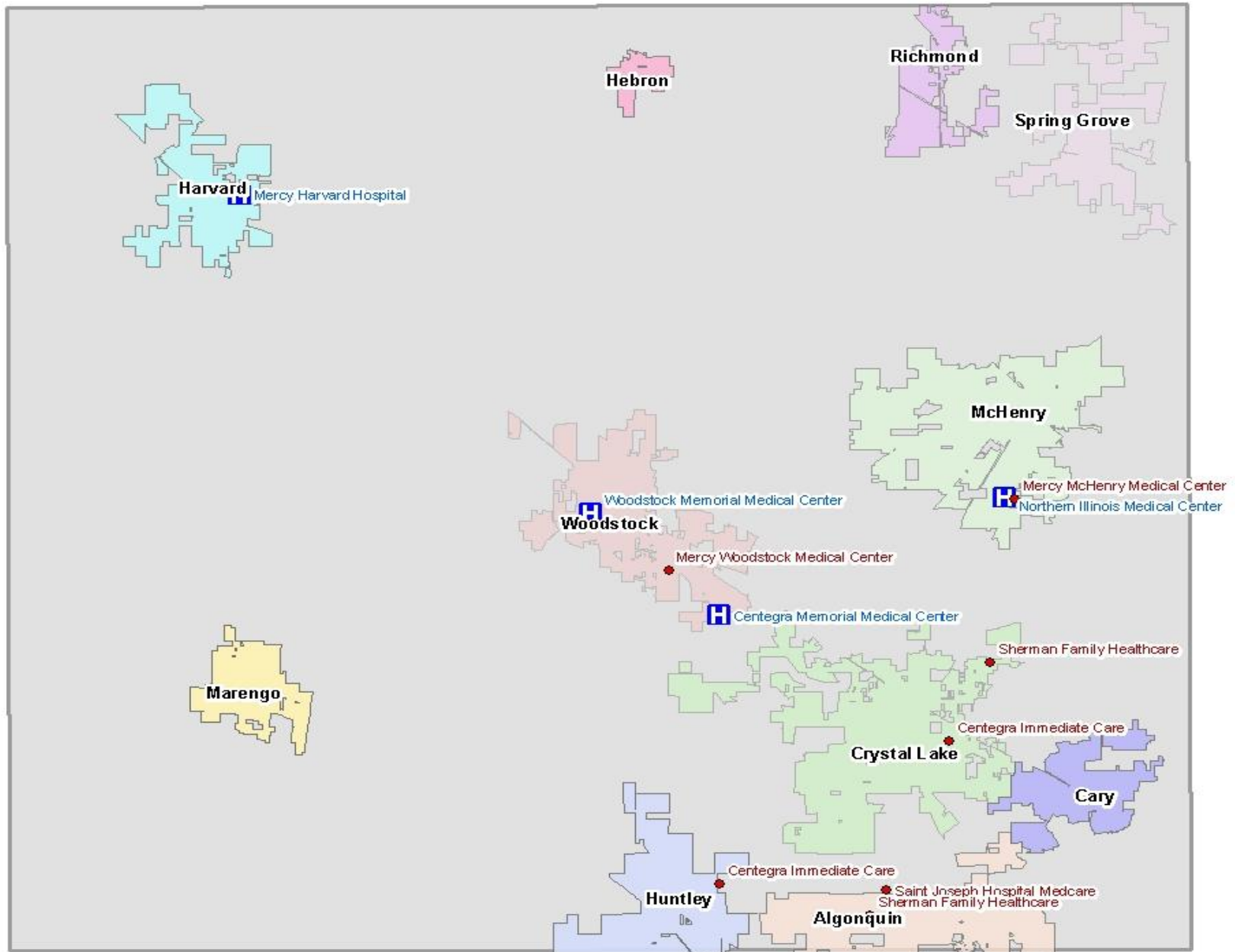
# McHenry County Schools



# Hospitals & Urgent Care Centers

- 4 Hospitals
- 7 Urgent Care Centers
- Hospitals and Urgent Care Centers will vaccinate
  - Their Healthcare workers (HCW)
    - Approximately 3,634 HCW (2% of tier 1)
  - Anyone who uses their services and belongs to tier 1

# McHenry County Hospitals and Urgent Care Centers



# Unanswered Questions

**What will be the results of the ongoing clinical trials?**

**Will the Federal Government decide to proceed with the immunization program?**

**Will vaccine production achieve stated projections.**

**Vaccine delivery ... When and how much?**

**IDPH requirements?**

**Public Response?**