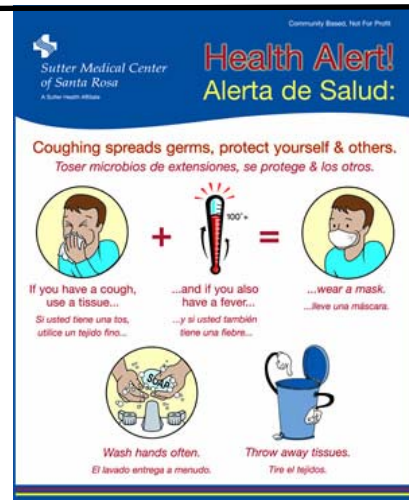


The Carilion '09 - '10 Influenza Newsletter



Improper Respiratory Etiquette



Proper Respiratory Etiquette

Issue Number 4:

September 17, 2009

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Editor's Note:

This, the fourth Issue of the newsletter, is the shortest yet. The major topics have been covered and they may be revisited as we begin to see an influx of patients and/or if there are any major changes in recommendations and approaches. I urge you to use the newsletters for looking up answers to your questions and for a listing of informative web sites. On the Carilion Intranet Home Page (<http://chsweb.carilion.com/>) the Influenza Information link is at the bottom right side of the page. The URL for the information is:

<http://www2.carilion.com/hr/internal/html/influenzainfo.htm>

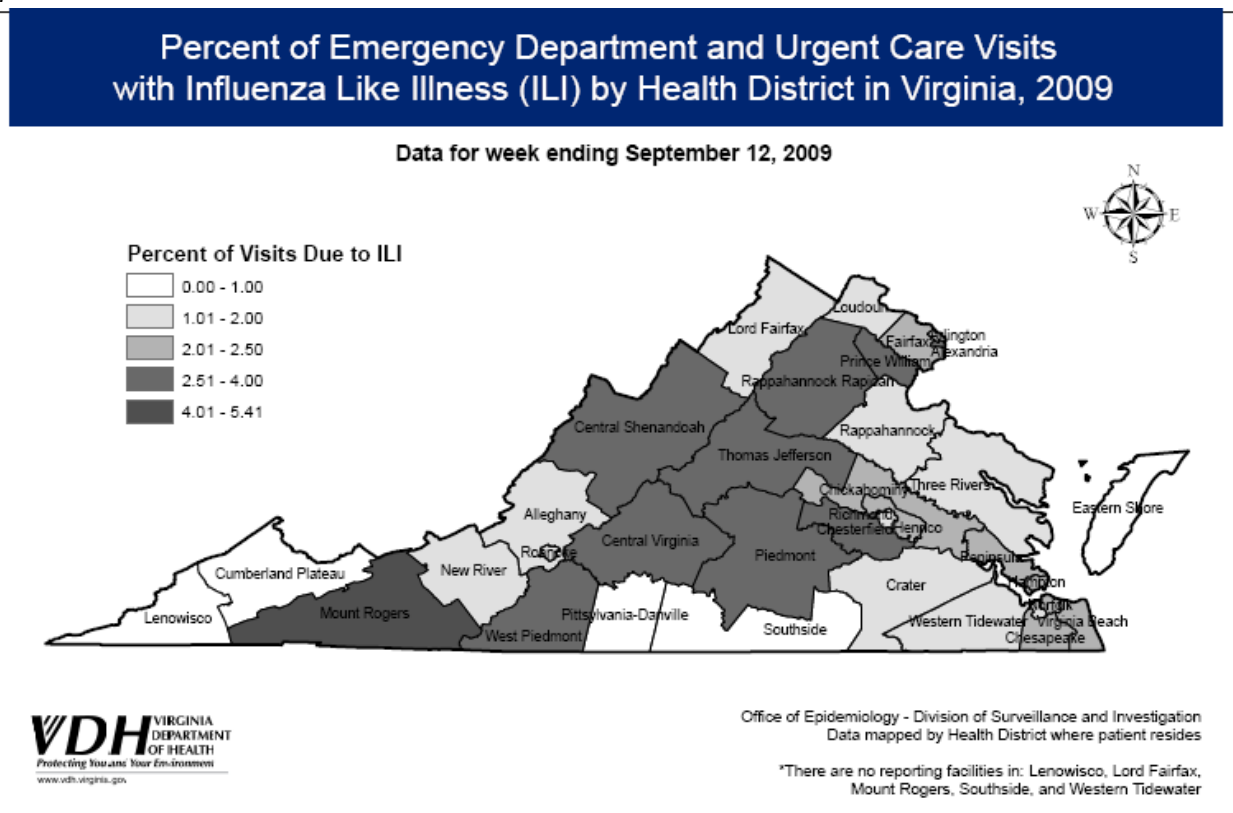
In this issue, we will review the indications and plans for H1N1 vaccination.

Epidemiology Notes:

The state of Virginia is being reported as having “regional” activity of H1N1. This is one step below the final phase of “widespread activity and one step above “local” activity.

The Figure 1 below is a map of the Virginia Health Districts with the percent of emergency room and urgent care visits with symptoms of influenza-like-illness (ILI). Roanoke is in the Allegheny Health District. Rocky Mount (Franklin County) is in the West Piedmont Health District. Within the Carilion system CFMH emergency department has reported the most activity in the last week. (See Figure 2)

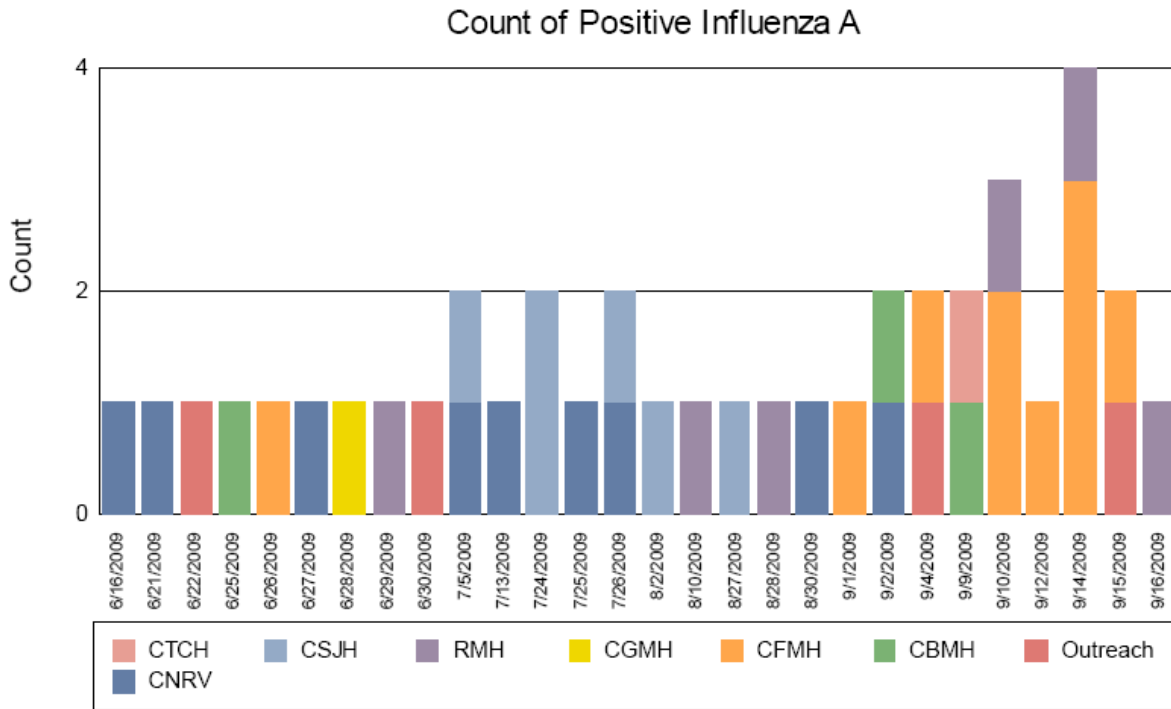
Figure 1



At the Carilion regional level we continue to see 1 to 2 Rapid Influenza A positive tests per day (see the chart below). Note that CFMH has had seven positive rapid Influenza A tests in the past week.

Figure 2:

Carilion Labs Positive Influenza A Results From 06/01/2009 to 09/16/2009



Remember:

- The Rapid Influenza tests are positive in only 40-69% of the cases of proven H1N1. Thus, it is not a sensitive test and means that a negative Rapid Influenza Test **DOES NOT** rule out H1N1.
- The Rapid Influenza A test could be positive due to an influenza strain other than the novel H1N1.

Patient Care & Safety Issues AND Employee Notes:

A. H1N1 Vaccine

The U.S. Food & Drug Administration (FDA) has approved the H1N1 vaccine for use in the prevention of the novel H1N1 (Swine) flu.

Individuals > 10 years of age will require only one immunization. Those < 10 years of age will need two immunizations two to three weeks apart.

Currently the 2009 H1N1 influenza virus seems to be causing serious health outcomes for:

1. Healthy young people from birth through age 24;
2. Pregnant women; and

3. Adults 25 to 64 who have underlying medical conditions.

Because the total amount of vaccine that will be needed will not be immediately available subgroups of the above three categories have been further delineated.

These are:

1. Pregnant women
2. People who live with or care for children < 6 months of age
3. Children 6 months through 4 years of age
4. Health Care Workers and EMS personnel that have direct patient contact
5. Children 5 through 18 years of age that have chronic medical conditions
6. People from ages 19 through 64 years that have chronic health disorders or compromised immune systems.

On September 16, 2009 a spreadsheet was sent to all Carilion facilities and to practice managers to complete. The data requested asked for the number of individuals that fall into each of the above categories.

Carilion will not be a public vaccination facility, but will provide vaccinations to employees having patient contact and to the above prioritized patients. Calculation and analyses of this data will guide us in requesting vaccine stocks from the Virginia Department of Health.

Enough H1N1 vaccine will become available for all to eventually receive it. However, this is not anticipated until much later in the year. The first shipment of vaccine in mid-October will consist of fifty million doses for distribution to all of the states and territories. The state health departments then are responsible for distributing the vaccine within the state. Carilion Clinic is registered with the state to receive the vaccine for all of the Carilion facilities and then to distribute it to each of the facilities.

How many doses of H1n1 vaccine the central Carilion Clinic distribution site will receive at any given time is unknown. It could range anywhere from 1,000 to 6,000 or more doses.

This why we need the data requested in the spreadsheet that went out. It will determine how we distribute the vaccine within our organization. The actual amount distributed to each site will depend:

Possible approaches to distribution are:

1. Distribute the doses based on the percentages, with the entire Carilion organization being 100%. Thus, based on the data we receive, if it turns out that CRNV has 12% of the total need, CSJH 9% and CRMH 36% the total amount of available doses at any given time would be distributed along those percentages.
2. Method # 1 above may not be very helpful in that it would cover only a few people in a certain locale. In Public Health situations, "herd" immunity is the sum of "individual" immunity and community protection is not achieved until there is a certain level of "herd" immunity. It may make more sense to note where H1N1 activity is occurring and then give enough doses to provide "herd" immunity. For example, the most active Carilion area at this time seems to be CFMH and related practices. If we got vaccine today, it may be better to vaccinate the CFMH associated facilities to provide "herd" immunity, rather than just having a few people protected.
3. Concentrate on the OB and Pediatric practices for patients and providers, and then branch out from there.

Which method is chosen will depend upon the situation at hand when the vaccine arrives.

In Issue # 2, the vaccination schedule for employees was published. This has not changed...yet. Hopefully, it will not. It is subject to change based on an earlier than expected influx of seasonal influenza and/or a later availability of the H1N1 vaccine than expected. You will be kept updated.

B. New Signage

On the following page is the new signage that will be placed on the door of patients' rooms who are being evaluated or treated for suspected H1N1.

The Personal Protective Equipment (PPE) applies to all who enter the room.

Rather than white, the background is a deep purple.



SPECIAL ENHANCED PRECAUTIONS



****Visitors, including family, must not enter—report to
Nursing Station.****

ANY ONE ENTERING THIS ROOM MUST

- Perform Hand Hygiene
- N95 Respirator
- Gloves
- Gown
- Protective eyewear

Reminder: HAND HYGIENE must be performed before entering the room and following removal of PPE and leaving the patient's room.

For questions call the Infection Control Professional (540) 981-7760.

PRECAUCIONES ESPECIALES MEJOR

Visitantes tienen que reportarse en la estación de enfermeras antes de entrar a este cuarto.

PARA PERSONA'S TODA

- Lavasen Las Manos
- Respirador N95 (es necesaria prueba de ajuste)
- Guantes
- Bata
- Protección para los ojos

Recordatorio: Tiene que lavarse las mano antes de entrar a este cuarto, al quitarse los artículos de protección personal y al salir del cuarto.

Si tiene preguntas llame al Profesional en Control de Infecciones

Key Websites:

1. Main site with all of the necessary links: <http://www.cdc.gov/h1n1flu/>
2. General Information: http://www.cdc.gov/h1n1flu/general_info.htm

H1N1 Flu (Swine Flu): General Information

- [H1N1 Flu & You](#)
What is novel H1N1 flu? Updated August 5, 2009
- [What To Do if You Get Flu-Like Symptoms](#) Updated August 5, 2009
- [Antiviral Drugs](#)
- [Taking Care of a Sick Person in Your Home](#) Updated August 5, 2009
- [Novel H1N1 Vaccine: Q & A](#) Updated Aug 3, 2009
- [Facemask & Respirator Use](#) Updated August 5, 2009
- [Emergency Use Authorization \(EUA\) of Medical Products and Devices](#)
- [Audio & Video Resources](#)
Podcasts, public service announcements, press briefings, and webcasts
- [Social Media](#)
Widgets, mobile info, buttons, videos, podcasts, e-cards, RSS feeds, twitter/microblogs updates, image sharing, social networking
- [Flyers & Other Print Materials](#)

3. Information for Specific Groups: <http://www.cdc.gov/h1n1flu/groups.htm>

- [Parents and Caregivers](#)
- [Pregnant Women](#)
- [Day and Residential Camps](#)
- [Child Care Programs, Schools, Colleges and Universities](#)
- [Travelers and Travel Industry](#)
- [Clinicians](#)
- [Laboratorians](#)
- [Adults with HIV Infection](#) Updated August 5
- [People with Diabetes](#)
- [People With Cardiovascular Disease](#)
- Tribal Nations: [Preparing Tribal Nations to Receive Strategic National Stockpile Assets](#) [PDF 163KB]

That is all for Issue # 4 of the *Carilion '09-'10 Influenza Newsletter*. Feel free to direct any questions, suggestions or concerns to:

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