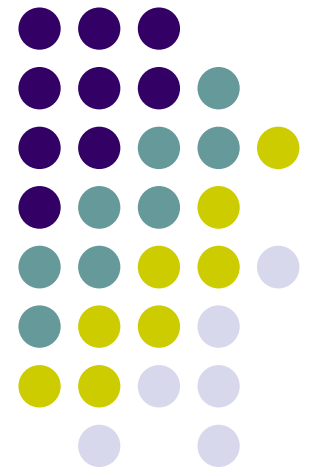


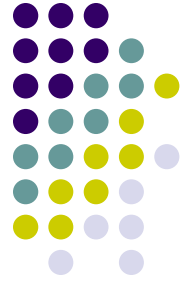
# School Based Flu Vaccine Administration

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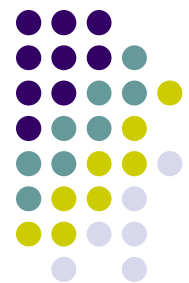
Judith Covich, MA, BSN, RN  
Director, School Health Services  
Montgomery County Department of Health and Human Services  
Public Health Services



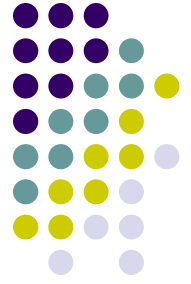
# School Based Flu Vaccine Administration



- Initial goals for school based seasonal flu vaccine campaign were determined following the onset of novel H1N1
- Vaccination of students is part of a coordinated prevention effort to prevent and control flu in the greater community

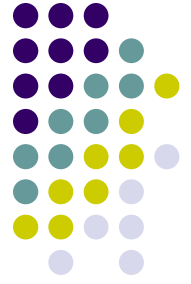


# School Based Flu Vaccine Administration



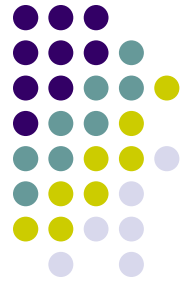
- School setting is an efficient setting for influenza transmission.
- Prevention of influenza in children results in decreased influenza among all age groups in the community

# School Based Flu Vaccine Administration



- **Experience**
  - School Based Health Centers
  - Head Start and Pre-K Classes
- **Experience of other jurisdictions**

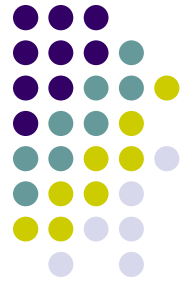
# School Based Flu Vaccine Administration



## Objectives

- Vaccinate 32,000 students(50% of enrollment) in 131 elementary schools including Pre K-Head Start with seasonal flu vaccine.
- Offer vaccine to middle and high school students and community at large at clinics held in the community.
- Vaccinate students with H1N1 vaccine when vaccine becomes available; delivery model to be determined by CDC priority and target groups, amount available and logistical issues.

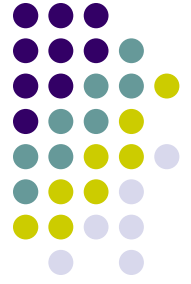
# School Based Flu Vaccine Administration



## **We started with what we knew:**

- Primary vaccine: Flu Mist for 50% of population
- Second dose Flu Mist -- 10-30% of students
- IM Vaccine-- 10% of students
- Complete Dose #1 in 4 weeks ( 10-14 schools/days)
- 1 minute/child to administer Flu Mist
- The lapse between Dose 1 and Dose 2=28 days

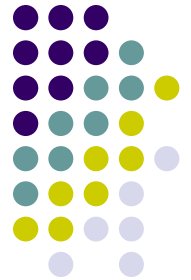
# School Based Flu Vaccine Administration



- **Next, estimated for each school~**
  - Doses of FluMist (1&2) and IM
  - Vaccinators
  - Logistical support
- **Planned and recruited staff and volunteers**



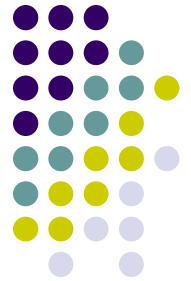
# School Based Flu Vaccine Administration



## Timeline for School Based *Seasonal* Flu Vaccine Administration

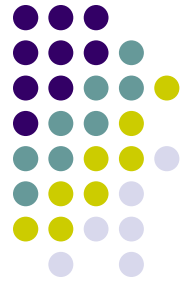
- Notification of School Based Flu Plan to all schools
  - Websites-School District/County
  - Parent Letter
  - Consent form for Seasonal Flu Vaccine 9/01/09
- Notification of vaccination date 9/09-10/09
- Start seasonal flu vaccination Dose #1 9/23/09
- Start seasonal flu vaccine Dose #2 10/24/09
- H1N1 notice **TBD**

# School Based Flu Vaccine Administration



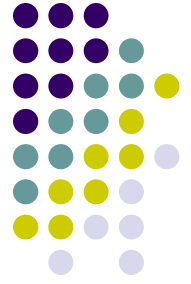
- Engage school administration and School Health staff
- Provide training and guidance to health staff
- Plan for use of available workforce and logistical resources
- Define roles and responsibilities
- Develop communication plans and mechanisms

# School Based Flu Vaccine Administration



- **Engage and collaborate with local school system, county and other stakeholders**
  - Collaborative planning process with local school system, PTA, Volunteer Center, Medical Reserve Corps, other county agencies.
  - Updates and feed back on local, state and CDC conference calls
  - Updates and feed back on local, state and CDC conference calls

# School Based Flu Vaccine Administration



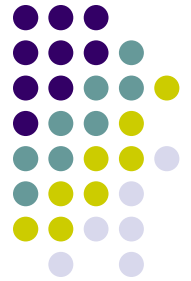
- **Provide training and guidance to health staff**
  - All staff briefed by local and state leadership
  - Hands on FluMist and IM vaccine training

## Sample Clinic Flow

- School with 450-600 students
- 4 vaccine stations
- 5-6 Logistic Assistants
- 1 SHRA
- 1 sub SHRA or volunteer for Health Room coverage
- SCHN will administer traditional flu shots at a later time

Time	Pick up	Arriving	In line	Vaccine	Returning
925	Ka				
930	Kb	Ka			
935	Kc	Kb	Ka		
940	Kd	Kc	Kb	Ka	
945	1a	Kd	Kc	Kb	Ka
950	1b	1a	Kd	Kc	Kb
955	1c	1b	1a	Kd	Kc
1000	1d	1c	1b	1a	Kd
1005	2a	1d	1c	1b	1a
1010	2b	2a	1d	1c	1b
1015	2c	2b	2a	1d	1c
1020	2d	2c	2b	2a	1d
1025	3a	2d	2c	2b	2a
1030	3b	3a	2d	2c	2b
1035	3c	3b	3a	2d	2c
1040	3d	3c	3b	3a	2d
1045	4a	3d	3c	3b	3a
1050	4b	4a	3d	3c	3b
1055	4c	4b	4a	3d	3c
1100	4d	4c	4b	4a	3d
1105	5a	4d	4c	4b	4a
1110	5b	5a	4d	4c	4b
1115	5c	5b	5a	4d	4c
11120	5d	5c	5b	5a	4d
1125		5d	5c	5b	5a
1130			5d	5c	5b
1135				5d	5c
1140					5d

# School Based Flu Vaccine Administration



Sup	Nurse	Aide	School	Enroll.	Doses	% Consent	IM	Clinic Date
			School 1	485	250	52%	70	9/23/09
			School 2	542	290	54%	30	9/23/09
			School 3	422	133	32%	26	9/23/09
			School 4	441	170	39%	10	9/23/09
			School 5	392	235	60%	21	9/23/09
			School 6	279	110	39%	0	9/23/09
			School 7	554	251	45%	21	9/23/09
			School 8	299	173	58%	5	9/23/09
			School 9	550	151	27%	17	9/23/09
			School 10	389	146	38%	2	9/23/09
			School 11	119	13	11%	5	9/23/09
			School 12	433	226	52%	23	9/23/09



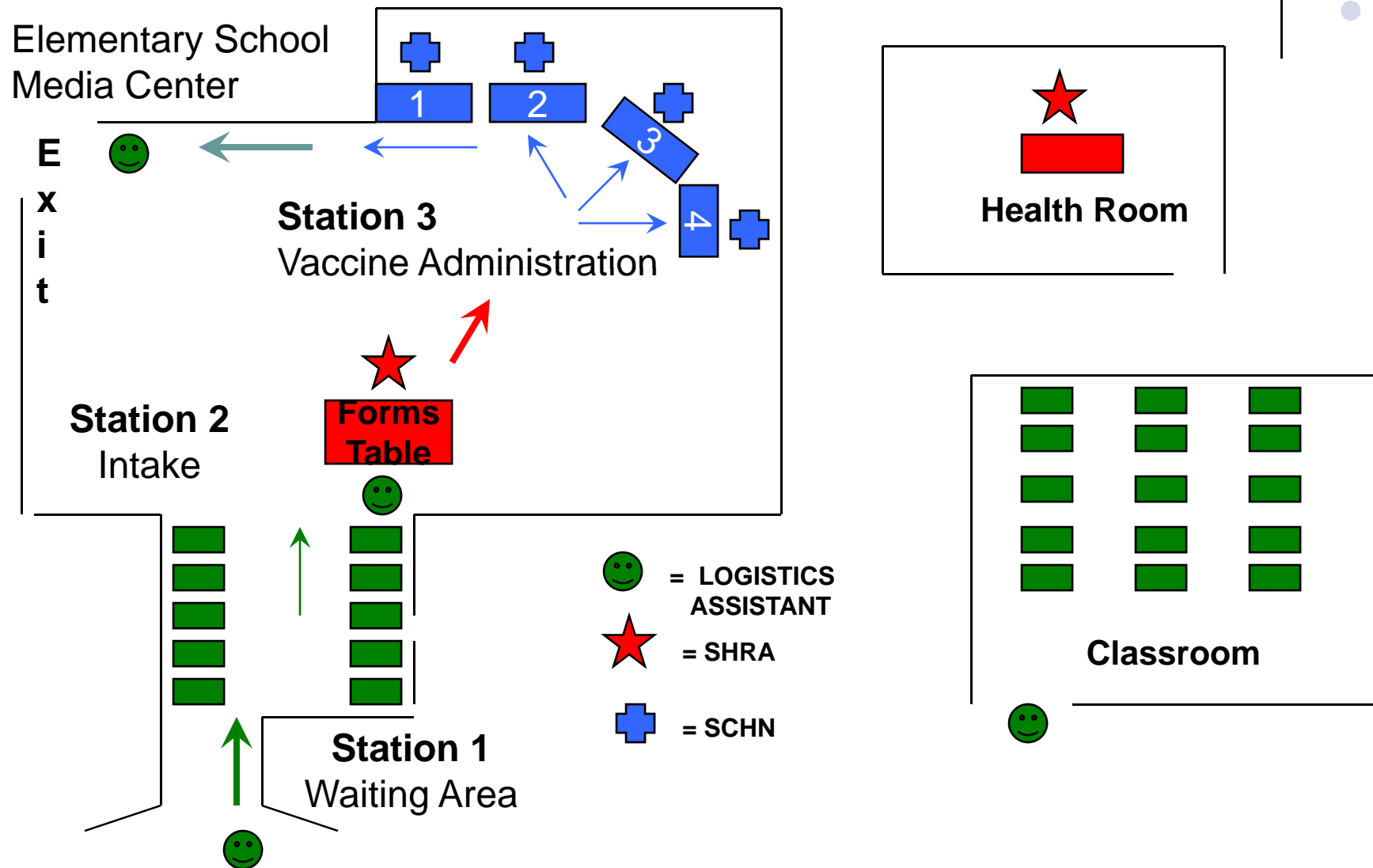
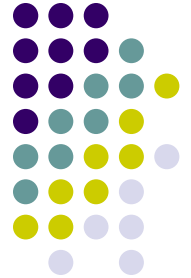
# Vaccine Administration

## Vaccination Administration Schedule 1<sup>st</sup> Dose

D A T E	Sep 23	Sep 24	Sep 25	Sep 29	Sep 30	Oct 1	Oct 2	Oct 5	Oct 7	Oct 8	Oct 13	Oct 14	Oct 15	Oct 19	Oct 20	Oct 21	Oct 22
N U M B E R O F V A C C I N E E D L E S	16	13	12	11	11	8	7	8	10	5	7	5	5	5	4	4	3

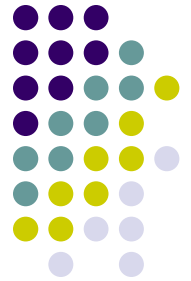
# DIAGRAM OF ADMINISTRATION PLAN

School Size 450 – 600 students





# School Based Flu Vaccine Administration

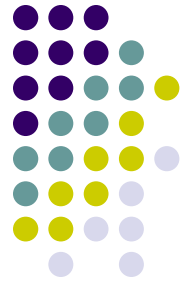


## The Knows and Unknowns of

- Supplies
  - Refrigerator thermometers
  - Handsanitizer
  - Red bags
- Delivery to schools
  - Coolers
- ...and Shipments of Vaccine

# Roles and Responsibilities

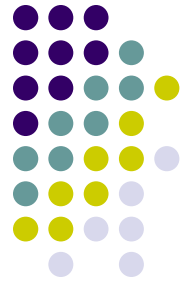
## School Nurse



- **Role->Coordinates Preparation**
  - Coordinates with Principal or designee clinic re space and recruitment of parent volunteers
  - Reviews all consent forms
  - Determine if student gets flu mist or IM
  - Requests class lists
  - On day of vaccine clinic, reviews roles and responsibilities with school based team
  - Completes clinic reports
  - Plans for 2nd dose vaccinations and injectables

# Roles and Responsibilities

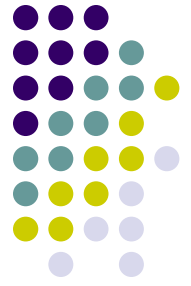
School Nurse or other authorized health professional



- **Role-> Vaccinator**
  - Confirm student identification
  - *Reviews consent form prior to administration*
  - Observes student for signs of illness
  - Administers Flu Mist
  - Documents Administration on Consent Form

# Roles and Responsibilities

## School Health Room Aide

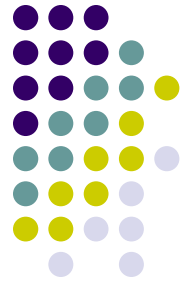


- **Role->Intake**

- Before vaccination date, organizes consent forms by class/teacher
- On vaccination day, checks Student Identification and matches Consent form
- Directs Logistic Assistants in moving students to vaccinators

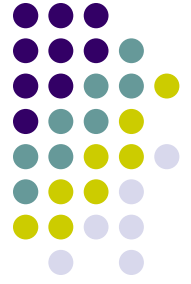
# Roles and Responsibilities

## Parent, school, community volunteers



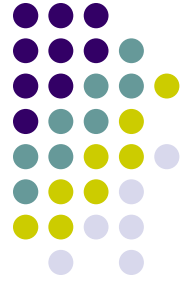
- **Role->Logistic Assistants**
  - Assists in classroom to line up students
  - Escorts Students to Clinic Area
  - Assists in Waiting Area
  - Escorts Student to Vaccinators
  - Escorts Student back to classroom

# Roles and Responsibilities School Administration



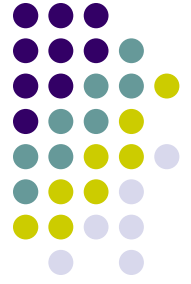
- Translation of consent forms and parent letters
- Post flu campaign information on MCPS Website
- Local school assistance—principal
  - Identify space—media center, all purpose room
  - Identify school contact to assist nurse with logistics and recruiting parent volunteers
  - With nurse share School Based Vaccination Plan with staff
  - Copy and distribute parent letters and consent forms via back-pack
  - Notify parents of school's vaccination day(s)

# Roles and Responsibilities School System



- Teacher
  - Collect returned consent forms from students in class & forward to health room staff
  - On day of vaccination, teachers will receive a list of students to be vaccinated and name tags for each. A logistics assistance will come to class and escort the students to and from the vaccination area.

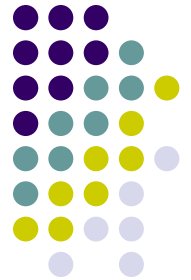
# School Based Flu Vaccine Administration



- **Develop Communication Plans and Mechanisms**
  - Information and Consent forms posted on School System and County
  - Sent home in Backpacks
  - On Connect Ed message
  - Available for Principal and PTA newsletters



# Scenarios for H1N1 Vaccine Administration to Students



**H1N1 vaccine arrives mid October, 2009, supply is limited**

- **Start with students in Head Start-PreK**
- **Students with underlying health conditions and pregnant teens**

**When enough vaccine is available open to Target Groups recommended by CDC**

- **All students-public and private (age 5-24)**
- **Clinics at high schools outside of school hours**
- **Also community locations**

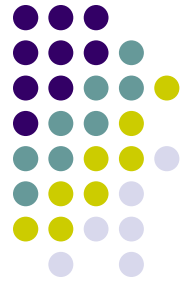
**Goal:**

**Mission:**

**Vaccinated Students  
In Process**



# School Based Flu Vaccine Administration



Contact~

[Judith.covich@montgomerycountymd.gov](mailto:Judith.covich@montgomerycountymd.gov)

Resources~

[www.montgomerycountymd.gov](http://www.montgomerycountymd.gov)

[www.montgomerycountypublicschools.org](http://www.montgomerycountypublicschools.org)

[www.dhmf.state.md.us/swineflu/](http://www.dhmf.state.md.us/swineflu/)