

2007 National Influenza Vaccine Summit

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DEPARTMENT OF HEALTH AND HUMAN SERVICES
CENTERS FOR DISEASE CONTROL AND PREVENTION



SAFER · HEALTHIER · PEOPLE

National Influenza Vaccine Summit – April 19-20, 2007

**Co-sponsored by the American Medical Association and
the CDC since 2001**

- **Forum to discuss influenza vaccine issues with broad stakeholder base**

- **2007 Participation**
190 attendees representing 74 organizations

PROJECTED PRODUCTION OF INFLUENZA VACCINE FOR 2007-08, US

| Manufacturer | Doses Projected* |
|-----------------------|------------------------------|
| GSK | 30-35 million |
| MedImmune | 7 million |
| Novartis | Up to 40 million |
| sanofi pasteur | 50 million |
| CSL | No estimate provided |
| Total | Up to 127-132 million |

*These estimates are based on presentation made at the National Influenza Vaccine Summit Meeting, Atlanta, GA, April 19, 2007 by the manufacturers listed and reflect upper estimates of production contingent upon consumer demand.

Initiatives to Increase Public Awareness and Vaccine Uptake

- **NFID's Pediatric Influenza Immunization Coalition**
- **ALA**
 - **Faces of Flu**
 - **Flu Clinic Locator**

ACIP Recommendations

- **Age groups and risk groups for whom routine vaccination is recommended is not changed compared to 2006 recommendations**
- **220 million (73% of the population) are currently recommended for annual influenza vaccination**

2007 Recommendations

- **Vaccination is recommended for persons, including school-age children, who want to reduce the likelihood of becoming ill with influenza or transmitting influenza to others should they become infected.**

Influenza Vaccine Distribution Data and Use of Data During the 2006-2007 Season

- **Purpose**
 - Provide information to enhance visibility of influenza vaccine distribution for state and local health officials to assist in their management of influenza vaccine availability issues and challenges
- **Data were mapped to the following variables**
 - State where flu vaccines are distributed
 - Zip code where flu vaccines are distributed
 - National Drug Code (NDC) of vaccine distributed
 - Number of doses distributed
 - Type of provider where vaccines are distributed

Provider Types

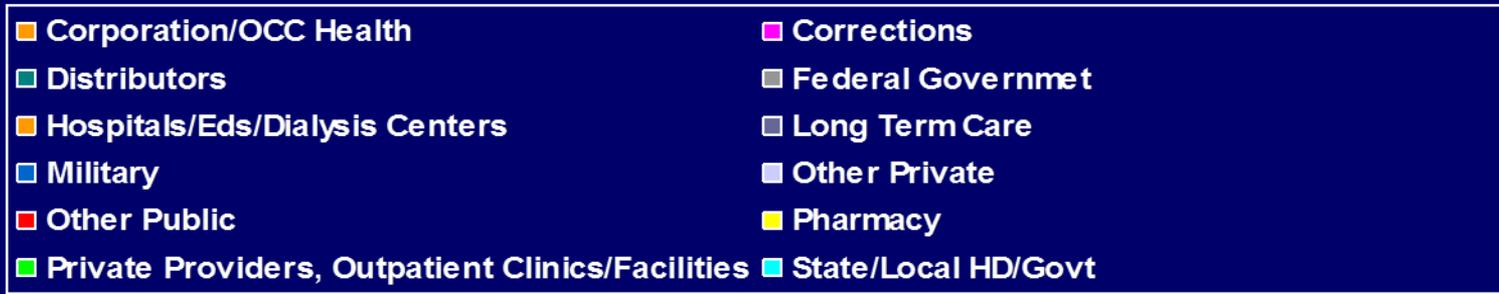
Values for the facility type variables from each participant were recoded into one of the following categories:

- Corporation/Occupational Health
- Corrections
- Distributors
- Federal Government
- Hospitals/EDs/Dialysis Centers
- Long Term Care
- Military
- Other Private
- Other Public
- Pharmacy
- Private Providers
- State/Local Health

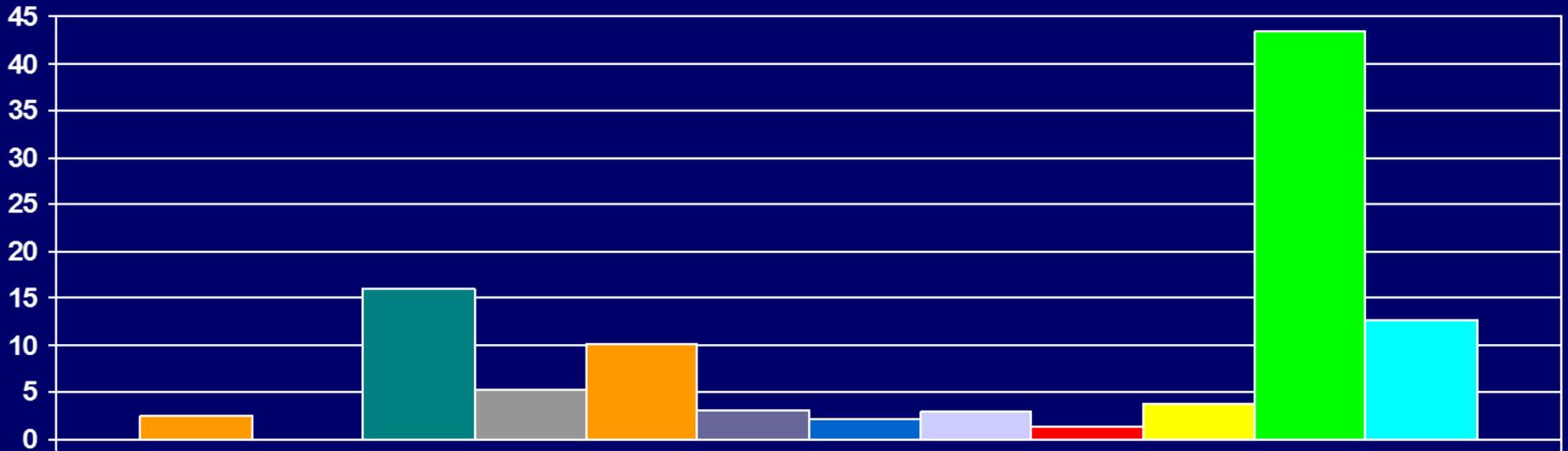
Participants

- ASD Healthcare
- Cura Script
- FFF Enterprises
- Henry Schein/GIV
- McKesson
- Physician Sales and Service (PSS)
- Seacoast Medical
- GSK
- MedImmune
- Novartis
- Sanofi pasteur

Influenza Vaccine Distribution by Provider Type

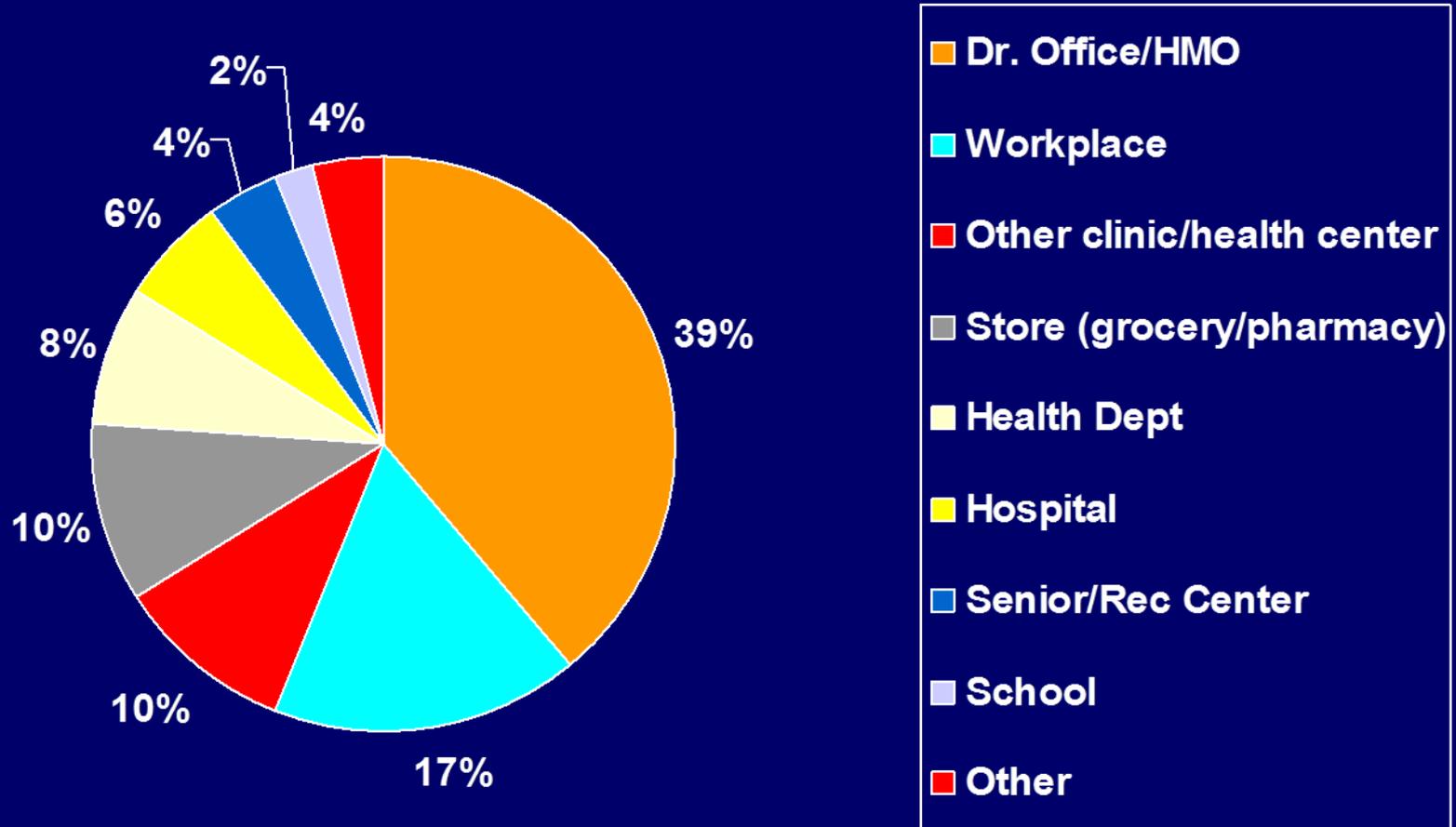


Million



Provider Type Category

Where do Adults Receive Influenza Vaccination?



Source: Unpublished data from a Gallup telephone survey conducted on behalf of CDC in 2005.

| Provider type | 29-Sep-06 | 20-Oct | 10-Nov | 1-Dec | 22-Dec | 12-Jan-07 |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Federal Govt | 1.1% | 3.9% | 3.3% | 5.1% | 5.0% | 5.1% |
| Military | 0.6% | 1.9% | 0.8% | 2.2% | 2.2% | 2.2% |
| State/Local Health | 6.6% | 7.2% | 10.1% | 11.9% | 11.6% | 11.6% |
| Corporation/Occ Health | 2.2% | 2.5% | 2.6% | 2.5% | 2.5% | 2.5% |
| Corrections | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Hosp/Eds/Dialysis | 9.2% | 12.9% | 10.4% | 9.8% | 9.9% | 9.9% |
| Other Private | 3.4% | 2.9% | 2.7% | 2.6% | 2.8% | 2.9% |
| Other Public | 1.3% | 1.1% | 1.1% | 1.1% | 1.4% | 1.4% |
| Priv Prov/Clinics | 41.0% | 43.2% | 43.1% | 42.1% | 42.3% | 42.3% |
| Distributors | 24.9% | 16.2% | 18.3% | 16.0% | 15.7% | 15.6% |
| Long Term Care | 4.7% | 4.0% | 3.7% | 3.2% | 3.1% | 3.1% |
| Pharmacy | 5.0% | 5.1% | 3.8% | 3.5% | 3.5% | 3.5% |

Federal Influenza Vaccine Legislation

- **Distribution/Priority Groups**
- **Biodefense/Pandemic**
- **Appropriations**
- **Thimerosal**

State Influenza Vaccine Legislation

- Long Term Care
- Thimerosal
- Priority Groups
- Priority of Providers
- Pandemic/Bioterrorism
- Hospitals
- Distribution
- Child Care Requirements
- Teacher Vaccination
- Health Insurance Requirements
- School Based Pilot
- Flu Shots for Kids Month
- Bulk Purchase

Increasing Demand for Vaccination Through Partnerships

- **2006 Summit Immunization Excellence Awards**
 - **Community vaccinator partnerships**
 - **Get A Flu Shot.com**
 - **Health care worker partnerships**
 - **Virginia Mason Medical Center**
 - **School-based partnerships**
 - **Maryland Elementary School Influenza Vaccination Project**

Get A Flu Shot.com

- **“Winter” season flu shot campaign**
- **Partnered with Oregon Food Bank**
 - **Donations of money/food to food bank**
- **9 free flu shot clinics in 3 weeks**
 - **625 flu shots administered**
 - **Clinics held at food bank or Get A Flu Shot.com offices**

Virginia Mason Health System Mandatory Vaccination Campaign

- **Main clinic and hospital in Seattle**
- **Multi-specialty group practice**
 - 480 physicians**
 - 5000 FTEs**
- **More than 1 million outpatient visits per year**
- **16,000 inpatient admissions/yr**
- **336-bed tertiary care hospital**

VMMC Policy Background

- **VMMC held three workshops in the summer of 2004 looking at ways to improve delivery of flu shots to patients and staff**
- **VMMC did not feel that 30-50 percent of health care workers immunized was good enough.**
- **Actions**
 - **Implemented mandatory influenza immunization policy for staff**
 - **Policy approved by the Management Committee and Board in August 2004**

Comprehensive Fitness for Duty Policy

**The policy affects all employed staff
(including physicians) and other individuals
who work in our facility like, community
physicians, vendors, volunteers and
contingent labor.**

Fitness for Duty

- **Staff can request an accommodation on religious or medical grounds.**
- **If approved, staff wear a mask at work during the influenza season.**
- **Requests for accommodation are evaluated on a case-by-case basis in consultation with Employee Health, Human Resources and the medical director of the VM Infectious Disease Department.**

Drive Through Flu Clinic



Accomplishments

**For the past 2 years VMMC has achieved a
98% vaccination compliance rate**

**VMMC was the first vertically integrated
healthcare delivery system in the U.S. to
accomplish this**

Maryland Elementary School Influenza Vaccination Project

April 2006 Health Officers recommend:

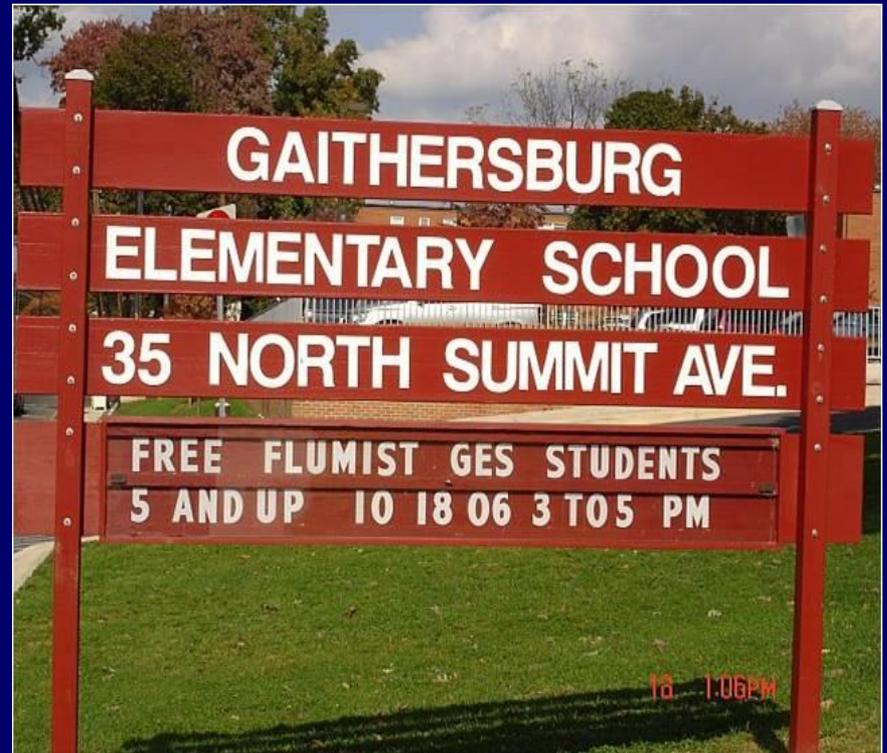
- **Statewide school influenza vaccination project**
- **Targeted to 5-11 yr. olds (est.500,000)**
- **No charge to parents**
- **No charge to local school/health dept.**
- **Exercise mass vaccination in school setting**
- **Begin 2006 Flu Season**

Background

- **Aug. 2006 MedImmune, State, CDC agree to support the project**
- **All 24 local health depts. agree to participate**
- **Sept. 2006 Governor announced project**

Calvert Model

- **Students vaccinated at school site**
- **Non-school hours**
- **Parents notified to bring student & sign consent**



Calvert Model

- **Similar to mass flu clinic**
- **No loss of classroom time**
- **Staffing issues**
- **Very impatient children**



Carroll Model

- **Students vaccinated during school hours**
- **Students escorted in small groups**
- **Parents sign consent form in advance**



Carroll Model

- **Students in class**
- **Limited staffing needed at clinic**
- **Loss of 20 min. of class time**
- **Distribution / Tracking of consent forms**
- **Verifying consent forms**



Results

- **Distributed more than 114,000 influenza doses**
- **Influenza clinics held at 600 schools statewide**
- **Flu vaccine provided to more than 100 private providers to give at no cost to 5-11 yr. olds**
- **Some counties vaccinated more than 40% of 5-11 year olds in the school setting**

Increasing Vaccination Coverage through Other Activities

- **National Influenza Vaccination Week**
- **Messaging**

2007 Influenza Vaccine Summit Action Items

- **Improve coverage of Health Care Workers**
- **Encourage an informal legislative task force**
 - **Not an official Summit activity**
 - **Educational in intent**
- **Develop a simple, consistent statement on when and who to vaccinate**

Summit Statement

- **The national Influenza Vaccine Summit encourages that every year influenza vaccine be administered to all people, including school-aged children, who want to reduce their likelihood of becoming ill with influenza or transmitting influenza to others, as soon as the year's vaccine becomes available. Influenza immunization should continue throughout the influenza season through the winter months and beyond, until the vaccine supply is used up.**

Acknowledgements

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