

Maryland Nursing Home, Assisted Living and
Hospital Health Care Worker

Influenza Vaccination Rates 2012-2013

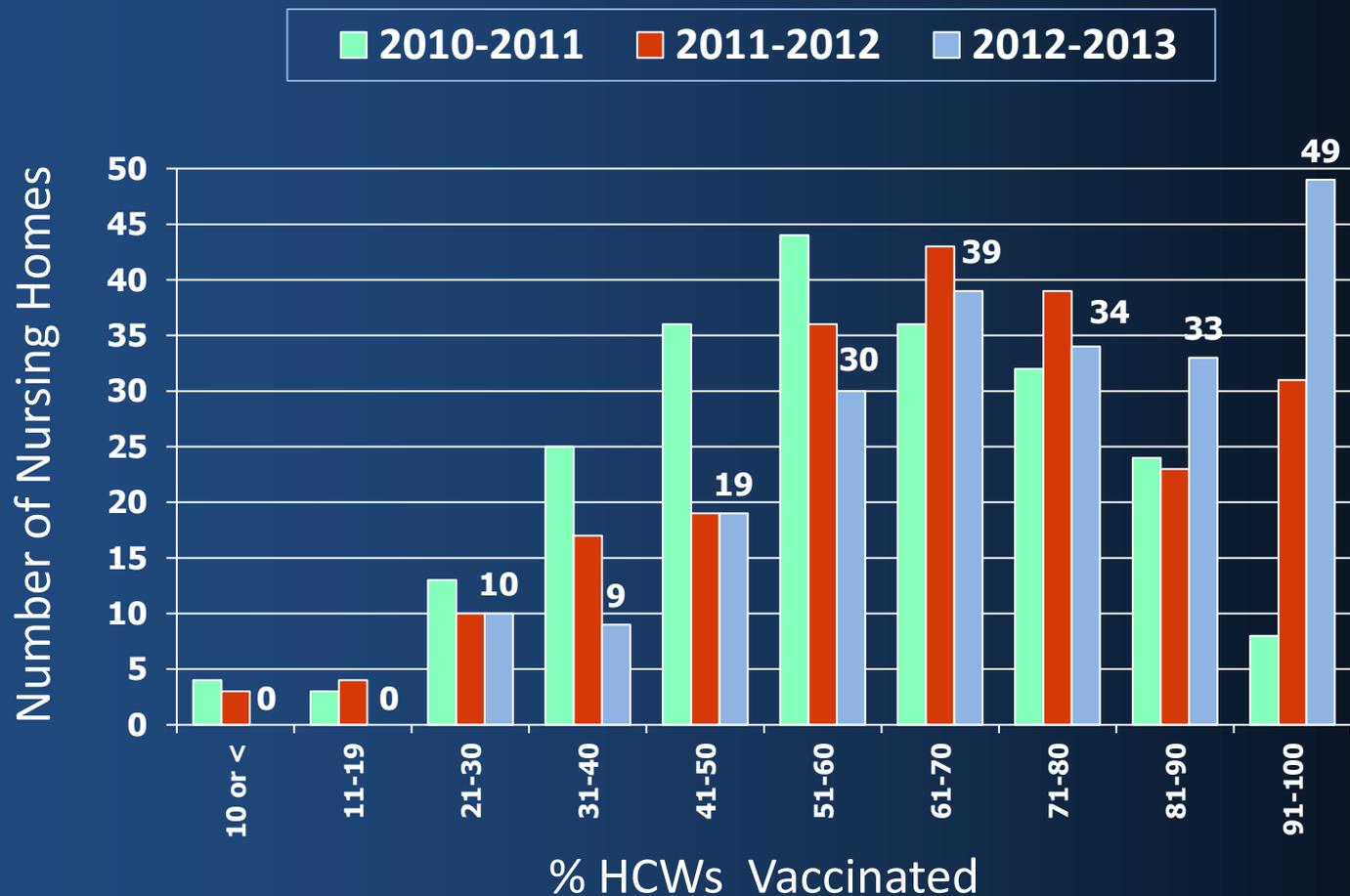
Joint Presentation to the Commission

June 20, 2013

Survey Protocol

- *Maryland Nursing Home, Assisted Living and Hospital Health Care Worker (HCW) Influenza Vaccination Surveys* for the 2012-2013 Influenza Season were posted online for completion between April 15-May 15, 2013
- 224 Nursing Homes, 318 Assisted Living Facilities, and 46 Hospitals completed the online survey
- Surveys include documented vaccinations received or reported during the flu season beginning September 1, 2012 and ending April 15, 2013

% of Nursing Home HCWs That Received Influenza Vaccination During 2010 through 2013 Influenza Seasons



Comparison of 2010-11 through 2012-13 Nursing Home HCW Vaccination Rates

| Statewide Stats | 2010-11 | 2011-12 | 2012-13 |
|---|----------------|----------------|----------------|
| Vaccination Rate | 57.9% | 65.1% | 73.6% |
| Number of Nursing Homes at or Above 60% | 100 | 136 | 158 |
| Number of Employees Vaccinated | 24,125 | 26,615 | 29,830 |
| Number of Employees | 41,694 | 40,852 | 40,555 |
| Declination Rate | 42.1% | 34.9% | 26.4% |
| Medical Objections | na | 2.7% | 2.1% |
| Religious Objections | na | 0.5% | 0.5% |
| Other | na | 31.5% | 23.8% |

Statewide Influenza Vaccination Rate for Nursing Home HCWs in 2012-2013 - **73.6%**

- **16% increase** in one year in the number of nursing homes with 60% or greater HCWs receiving flu vaccine (50% change since 2010-2011)
- Exceeds the CDC national estimated rate* for HCWs in long term care of 48.7%
- Exceeds the CDC national estimated rate* for HCWs in all settings of 62.9%
- Lags behind the Maryland rate for hospital HCWs

*CDC estimates reported through mid-November 2012

Nursing Home HCW Vaccination Declinations

26.4% report in the “not vaccinated” category

- 0.5% cited religious reasons
- 2.1% cited medical reasons
- 14.7% no documentation of vaccination
- 9.1% cited "other objections"

Status of Nursing Home HCW Influenza Vaccination Policy

| Statewide Stats | 2010-11 | 2011-12 | 2012-13 |
|---|----------------|----------------|----------------|
| Number of Nursing Homes with Mandatory Vaccination Policy | NA | 43 | 50 |
| Mandatory policy in place | NA | 19.1% | 22.4% |
| Plan to implement mandatory policy in the upcoming influenza season | NA | 18.2% | 14.8% |
| No plan for mandatory policy | NA | 62.7% | 62.8% |

Results: Assisted Living Staff

2012-2013 was the 2nd year of mandatory survey for Assisted Living residences with 10 beds or more

- 2011-2012 statewide average 48%
 - 2012-2013 statewide average 50.6%
 - 2012-2013 Maryland rate was higher than the CDC national estimated rate of 36.5% for the general population through November 2012*
 - 2012-2013 Assisted Living staff rate lags behind the Maryland Nursing Home and Hospital HCWs rates
- * 2011-2012 final estimate was 45.5%

Strategies Used to Raise Awareness and Increase Employee Influenza Vaccination Rates

| | |
|--|-----|
| Provide influenza vaccination onsite | 98% |
| Provide influenza vaccination free of charge to employees | 98% |
| Provide influenza vaccination free of charge to non-employees ¹ | 67% |
| Distribution of educational material | 3% |
| Educational Presentations held | 88% |

¹ Such as physician staff not paid by the nursing home, volunteers or students

Methods Used to Document Staff Influenza Vaccination Status

| | |
|--|-----|
| Employees sign a form when declining due to | |
| - Medical contraindications | 86% |
| - Religious reasons | 81% |
| - Other reasons including no documentation | 83% |
| Documentation kept with other employee records | 77% |
| Require written proof of offsite vaccination | 69% |
| Physician documentation to support medical contraindications | 43% |
| No documentation required | 3% |

Strategies to Ensure Compliance with Flu Policy or Limit the Spread of Influenza

| | |
|---|-----|
| None | 53% |
| Mandatory use of face mask if not vaccinated | 21% |
| Disciplinary action for violations | 16% |
| Other | 16% |
| Termination of employment | 15% |
| Non-employee subject to penalties | 9% |
| Restriction to certain facility areas during flu season | 9% |
| Non-employee suspension of privileges | 2% |

MHCC Efforts to Increase NH and AL Vaccination Rates

- Individual facilities received their performance results that included comparison to statewide averages and suggestions for improvement
- Facilities received periodic email reminders throughout the flu season with links to CDC materials for promoting vaccination (www.flu.gov)
 - Includes posters, toolkits, location of free/reduced cost flu clinics
 - Facilities with rates below 70% received targeted emails encouraging adoption of strategies to increase vaccination rates
- Collaboration with LifeSpan and HFAM to provide reminders in member communications (newsletters, web sites) and at meetings
- Individual nursing home and assisted living rates were published in the Maryland Consumer Guide to Long Term Care
- Facility and corporate aggregate rates calculated, sent to corporate officers for review

Nursing Home Recognition

The MHCC presented Gold Star Certificates to 19 facilities that had vaccination rates above 95%. Three of those facilities achieved a 100% vaccination rate.



2011-2012

XX.X% of Employees

Vaccinated Against Influenza



Facility Name

Nursing Home Survey – 4 Year Trend

| Statewide Stats | 2009-10 | 2010-11 | 2011-12 | 2012-13 |
|------------------------------------|----------------|----------------|----------------|----------------|
| Nursing Homes Submitting a Survey | 85% (197) | 100% (235) | 100% (225) | 100% (225) |
| Average Vaccination Rate | 60.4% | 57.9% | 65.1% | 73.6% |
| Top 20% Average Rate | 84.0% | 74.3% | 93.3% | 93.3% |
| Bottom 20% Average Rate | 30.9% | 39.9% | 31.9% | 53.4% |
| Range of Rates (Highest to Lowest) | 99.1%- 9.9% | 99.4%- 5.9% | 100%- 5.6% | 100%- 21.8% |
| Average No Vaccination Rate | 39.4% | 42.1% | 34.9% | 26.4% |

Hospital Influenza Vaccination Rates 2012-2013

Hospital Influenza Vaccination Survey Results Overview

| Statewide Stats | 2009-10 | 2010-11 | 2011-12 | 2012-13 |
|------------------------|----------------|----------------|----------------|----------------|
| Vaccination Rate | 78.1% | 81.4% | 87.8% | 96.4% |
| Top 10 Average Rate | 82.6% | 99.4% | 98.8% | 100% |
| Bottom 10 Average Rate | 64.4% | 57.7% | 63.7% | 77.7% |
| Declination Rate | 12.1% | 15.2% | 10.5% | 4.5% |
| - Medical Objections | 3.1% | 1.6% | 1.8% | 1.6% |
| - Religious Objections | 0.5% | 0.9% | 1.2% | 0.5% |

Comparison of 2010-11 through 2012-13 Hospital HCW Vaccination Rates

| Statewide Stats | 2010-11 | 2011-12 | 2012-13 |
|---|----------------|----------------|----------------|
| Vaccination Rate | 81.4% | 87.8% | 96.4% |
| Number of Hospitals at or Above 85% | 21 | 31 | 39 |
| Number of Hospitals with Mandatory Vaccination Policy | 15 | 25 | 38 |
| Number of Employees Vaccinated | 79,504 | 89,206 | 99,724 |
| Number of Employees | 97,639 | 101,565 | 103,436 |
| Average Declination Rate | 15.2% | 10.5% | 4.5% |

Hospitals with less than 90% Vaccination Rate in 2013

| Hospital Name | 2010-11 | 2011-12 | 2012-13 | Mandatory Policy |
|-----------------------------------|----------------|----------------|----------------|-------------------------|
| Meritus Medical Center | 94.4% | 92.9% | 83.0% | Plan 2014 |
| Edward McCready Memorial Hospital | 61.2% | 78.4% | 81.0% | Plan 2014 |
| Bon Secours Hospital | 66.0% | 78.1% | 73.3% | Plan 2014 |
| Garrett County Memorial Hospital | 66.6% | 67.5% | 73.1% | No Plan |
| Doctors Community Hospital | 67.0% | 70.6% | 68.1% | No Plan |
| Fort Washington Hospital | 99.8% | 74.1% | 61.4% | No Plan |
| Peninsula Regional Medical Center | 58.3% | 58.2% | 61.4% | Plan 2014 |

Highlights from 2012 IPC Annual Survey

- All hospitals are providing free influenza vaccination to employees
- 45 hospitals require printed documentation of off-site vaccination
- 40 hospitals require physician documentation for medical contraindication
- Hospitals maintaining documentation
 - Employees vaccinated on-site: All hospitals
 - Employees vaccinated off-site: 45 hospitals
 - Employees declined vaccination: 39 hospitals
- 37 hospitals have a mandatory vaccination policy
 - 34 hospitals terminate non-physician staff
 - 28 hospitals suspend physician privileges
- Most hospitals are tracking patient cases of influenza

Highlights from 2012 IPC Annual Survey

Termination, Suspension, Resignation of Staff Rates for Hospitals with Mandatory Influenza Vaccination Policies:

- 109 Employees
 - 32 hospitals provided information
- 30 Employed Physicians/Providers (NP/PA)
 - 26 hospitals provided information
- 6 Non-Employed Physicians/Providers (NP/PA)
 - 24 hospitals provided information
- 2 hospitals noted they did not have this information available

Questions?