

Maryland Nursing Home, Assisted Living and
Hospital Health Care Worker

Influenza Vaccination Rates 2013-2014

Presentation to the Commission

July 17, 2014

Health Care Worker Surveys

- 230 Nursing Homes, 334 Assisted Living Facilities, and 46 Hospitals completed the surveys
- *The Maryland Hospital Health Care Worker (HCW)* data was submitted through the CDC National Healthcare Safety Network (NHSN)
- Surveys include documented vaccinations received or reported during the flu season beginning October 1, 2013 and ending March 31, 2014

Nursing Home Influenza Vaccination Survey – 4 Season Trend

Statewide Stats	2010-11	2011-12	2012-13	2013-14
Nursing Homes Submitting a Survey	100% (235)	100% (225)	100% (225)	100% (230)
Average Vaccination Rate	57.9%	65.1%	73.6%	79.3%
Top 20% Average Rate	74.3%	93.3%	93.3%	96.2%
Bottom 20% Average Rate	39.9%	31.9%	53.4%	59.2%
Range of Rates (Highest to Lowest)	99.4%-5.9%	100% - 5.6%	100% - 21.8%	100%-20.6%
Average No Vaccination Rate	42.1%	34.9%	26.4%	20.6%



HCW Vaccination Declinations

20.7% staff “not vaccinated”

- 0.3% cited religious reasons
- 2.1% cited medical reasons
- 6.0% no documentation of vaccination
- 12.2% cited "other objections"

Status of Nursing Home HCW Influenza Vaccination Policy

Statewide Stats	2011-12	2012-13	2013-14
Mandatory policy in place	19.1%	22.4%	31.3%
Plan to implement mandatory policy in the upcoming 2014-15 influenza season	18.2%	14.8%	19.6%
No plan for mandatory policy	62.7%	62.8%	49.1%



Comparison of 2012-13 and 2013-14 Assisted Living Staff Vaccination Rates

Statewide Stats	2012-13	2013-14
Vaccination Rate	50.2%	53.2%
Number of Employees Vaccinated	5,853	7,039
Number of Employees	11,938	13,224
Declination Rate	49.8%	46.8%
Medical	3.1%	2.7%
Religious	1.0%	1.2%
Other	45.7%	42.9%



Results: Assisted Living Staff

2013-2014 was the 3rd year of the mandatory survey for Assisted Living residences with 10 beds or more

- 2013-2014 Maryland rate was **higher** than the CDC national estimated rate of 39% for the general population through November 2013
- 2013-2014 Assisted Living staff rate **lags behind** the Maryland Nursing Home and Hospital HCWs rates
- **50%** of ALs provide vaccination onsite and free of charge to employees; **50%** require documentation of declinations; **64%** provide educational materials

Nursing Home Recognition

Gold Star Certification

- ☆ 9 Nursing Homes achieved a **100%** vaccination rate
- ☆ 54 Nursing Homes with vaccination rates above **95%**



Hospital Influenza Vaccination Rates 2013-2014

The 2013-2014 HCW Flu Vaccination Survey Highlights

- First use of the CDC National Healthcare Safety Network (NHSN) Surveillance System
- NHSN Definitions applied
 - 1) **Flu season time period**: October 1, 2013 – March 31, 2014
(September 1st - April 15th in previous years)
 - 2) **Employee**: All persons who received a paycheck from the health facility regardless of clinical responsibility or patient contact
(includes licensed independent practitioners {physicians, advance practice nurses, and physician assistants}, adult students/trainees, volunteers and other contract personnel)
 - 3) **Denominator**: All employees who were physically present in the facility for at least one working day during the flu season
(previous survey defined time frame as all who were physically present for at least 30 days)

Comparison of 2010-11 through 2013-14 Hospital HCW Vaccination Rates

Statewide Stats	2010-11	2011-12	2012-13	2013-14
Vaccination Rate	81.4%	87.8%	96.4%	96.5%
Number of Hospitals at or Above 85%	21	31	39	44
Number of Hospitals with Mandatory Vaccination Policy	15	25	37	45
Number of Employees Vaccinated	79,504	89,206	99,724	149,236
Number of Employees	97,639	101,565	103,436	154,591
Average Declination Rate	15.2%	10.5%	4.5%	3.5%



2013-2014 HCW Vaccination Rates

Statewide Stats	Facility Employees	Licensed Independent Practitioners	Adult Students/ Trainees & Volunteers	Other Contract Personnel <i>(not required field)</i>	All HCW, Students & Volunteers
Total Number Working	109,016	24,687	20,888	2,637	154,591
Number Immunized	105,817	23,551	19,868	2,528	149,236
Number with Medical Contraindication	1,267	254	65	16	1,586
Number who Declined	924	109	129	13	1,162
Number with Unknown Vaccination Status	1,012	814	883	80	2,709
Vaccination Rate	97.1%	95.4%	95.1%	95.9%	96.5%

Comparison of 2009-2014 HCW Flu Vaccination Rates

Statewide Stats	2009-10	2010-11	2011-12	2012-13	2013-14
Vaccination Rate	78.1%	81.4%	87.8%	96.4%	96.5%
Top 10 Average Rate	82.6%	99.4%	98.8%	100%	99.5%
Bottom 10 Average Rate	64.4%	57.7%	63.7%	77.7%	89.0%
Declination Rate	12.1%	15.2%	10.5%	4.5%	3.53%
Medical Objections	3.1%	1.6%	1.8%	1.6%	1.02%
Religious Objections	0.5%	0.9%	1.2%	0.5%	*not asked



Questions?