

Massachusetts Department of Public Health Bureau of Infectious Disease and Laboratory Sciences





Adult Immunization Update

April 25, 2017
Susan M. Lett, MD, MPH
Medical Director, Immunization Program
MA Department of Public Health







MDPH 2017

1

Presenter Disclosure Information

We, Susan Lett and Rebecca Vanucci, have been asked to disclose any significant relationships with commercial entities that are either providing financial support for this program or whose products or services are mentioned during my presentations.

We have no relationships to disclose.

We will discuss the use of vaccines in a manner not approved by the U.S. Food and Drug Administration.

But in accordance with ACIP recommendations.

Outline

- Immunization
 Neighborhood in MA
- Recent Morbidity
- Adult Immunization Rates
- Special Initiatives
- MIIS





Immunization Neighborhood (Village)

Collaboration, Coordination, and Communication:

Among immunization stakeholders dedicated to meeting the immunization needs of the patient and protecting the community from vaccine-preventable diseases.



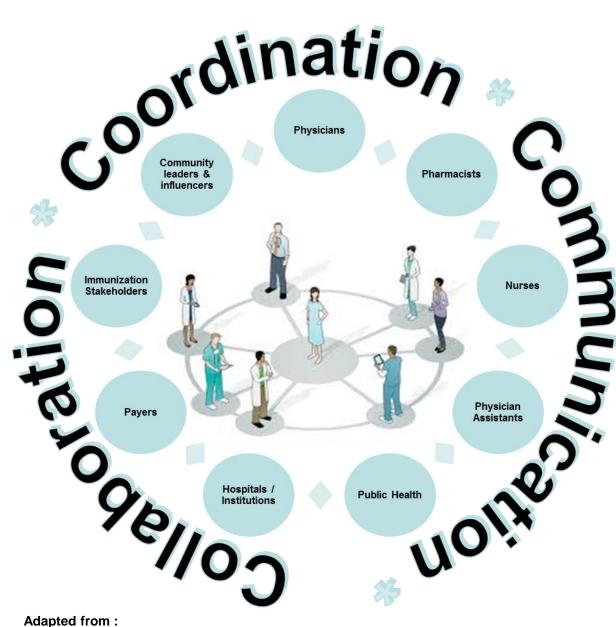




Immunization Neighborhood (Village) Where are You?

Strategy to Address Immunization Needs

- **Meeting specific** needs of targeted populations
- 2. Supporting the Neighborhood
 - HIT
 - **Documentation**
 - Standards / Guidelines
 - Consistent Messaging
 - Scope of **Authority**
 - Referral mechanisms







Recent Morbidity

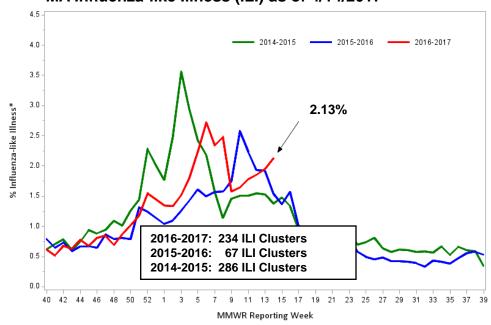
- Flu
- Mumps
- Meningitis
- Congenital Rubella Syndrome (CRS)



2016-2017 Influenza Season National Summary

- Relatively moderate season
- Peak in February
- Influenza A (H3N2) predominated worldwide
 - 2nd peak in MA with B strain
- Circulating strains appeared to be a good match with the vaccine
- Vaccine Efficacy Overall: 48%
 - 43% A(H3N2)
 - 73 %: B viruses
- Preliminary vaccine coverage for children was 50% by end of Dec (similar to last year)
- Early presumptive treatment with antivirals for the high risk.

MA Influenza-like Illness (ILI) as of 4/14/2017



*Influenza-like illness (ILI, defined by fever >100F and cough and/or sore throat),as reported by Massachusetts sentinel surveillance sites

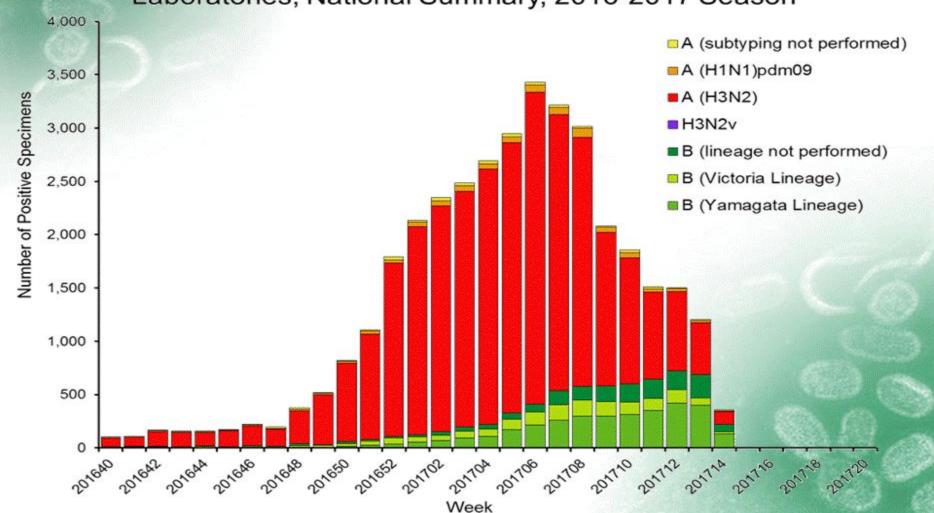
Not too late to get vaccinated!

FLUVIEW



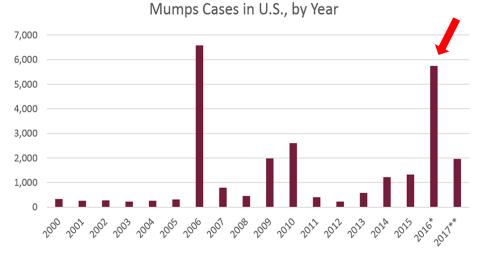
A Weekly Influenza Surveillance Report Prepared by the Influenza Division

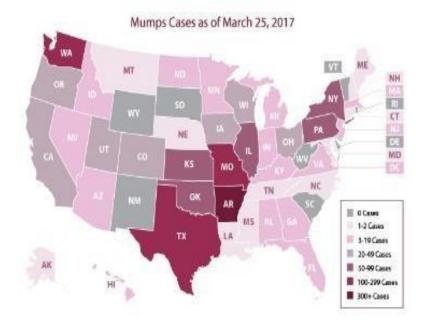
Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2016-2017 Season



Mumps Cases and Outbreaks, United States

- Increase in the number of reported cases and outbreaks
 - Genotype G
- In 2016, close to 6,000 cases, highest in past 10 years
- In recent years outbreaks largely confined to universities and other close contact settings, including teams, schools, prisons and the Marshallese community
- Large number have 2 doses MMR
- Median age 20-21 years
- Little spread outside the affected communities to the general population





Factors that May Contribute to the Increasing Number of Mumps Outbreaks (1)

- Up to 1/3 of mumps cases may be asymptomatic or have minimal symptoms
- Vaccine effectiveness
 - 1 dose: ~77% (49%-91%)
 - 2 doses: ~88% (66%-95%)
- Waning of vaccine-induced immunity
 - Serologic studies suggest waning: seropositivity and neutralizing antibody titers decline over time¹⁻⁵,
 - No established correlates of protection, implications of declining titer uncertain³
 - Cellular immunity declines less than seropositivity over time (if at all)⁶
 - Epidemiologic studies suggest waning: decreased vaccine effectiveness⁷ and increased odds of disease with time since vaccination^{8,9}, evidence still limited
- Waning of immunity does not explain the general geographical focal nature and that the oldest vaccinated cohorts not always most affected

(Adapted from M. Marin ACIP Meeting 2-13-17)

Factors that May Contribute to the Increasing Number of Mumps Outbreaks (2)

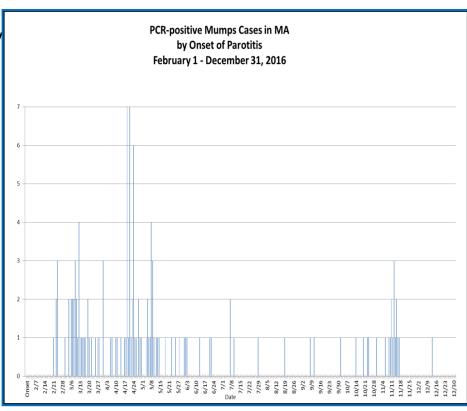
- Force of infection (Intense exposure setting)
 - Outbreaks in settings with high population density and contact rates that facilitate transmission (e.g., college campuses, close knit communities)
 - Vaccine-induced immunity less effective against other strains?
 - NO evidence to date, sera from vaccinated children neutralized diverse mumps strains^{1,2}
 - Antigenic differences among mumps virus strains detected¹⁻³
 - Lower antibody levels against non-vaccine strains
 - Might become more important with increasing time since vaccination

Summary

- Current 2-dose schedule sufficient for control in the general population
- Benefit of the 3rd dose needs to be re-assessed
- New ACIP working group formed to look at data

Mumps in MA 2016

- Largest mumps outbreak in MA in 30+ years
 - 789 total investigations from January
 - December 2016
- 253 confirmed or probable cases
 - Age range 1-69 years (median 21 years)
 - Largely contained within university settings (10 in metro Boston) with 55% at Harvard
 - Little spread into surrounding communities
 - Transmission interrupted due to:
 - Enforcement of existing school requirements for immunization
 - Implementation of control measures, particularly early isolation of suspect cases, even when diagnostic tests negative and other social distancing



University-associated Confirmed Cases

80% associated with colleges/universities20% no clear connection to colleges identified

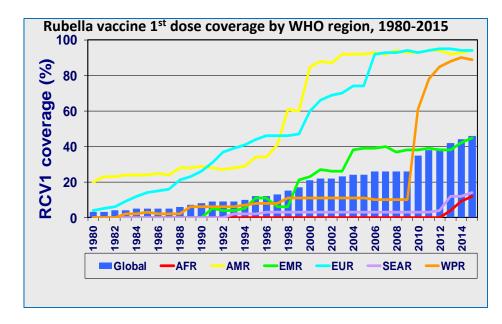
Invasive Meningococcal Disease Outbreak

- Five cases in two months starting in late January 2016 among people experiencing homelessness in greater Boston (6th case retrospectively linked) with 2 deaths
- Three serogroup C; three serogroup Y (matching molecular profiles) serogroups are included in the quadrivalent meningococcal vaccine
- Very cold winter and very unusual outbreak
- Boston Health Care for the Homeless Program (BHCHP) and Boston Health Commission (BPHC) and CDC
 - performed contact investigations
 - developed education and awareness campaign
 - provided antibiotic chemoprophylaxis to about 280 contacts
 - Mass vaccination campaign administered ≈ 4,800 doses of MenACWY vaccine to homeless adults in Boston and surrounding areas (majority administered by BHCHP)

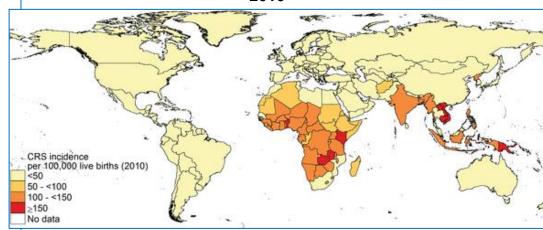


CRS In the U.S. and Worldwide

- More than 100,000 children are born every year with CRS, mainly in Africa, South-East Asia, and the Western Pacific.
 - Rubella vaccine coverage in Africa only about 10%
 - CRS incidence in Africa is estimated to be 100 to < 150 per 100,000 live births in over 20 countries
- Rare in U.S., 41 cases of CRS reported from 1998 – 2016 (18 year period). 88% of mothers were born outside the US.
- 2017 in MA, CRS in an infant born to a mother from Africa (first case in over 20 years):
 - One U.S. prenatal visit prior to delivery at 24 weeks
 - Mother tested for rubella immunity and had a very high positive IgG. Mostly likely had rubella in first trimester
 - Full term infant born at an out-lying hospital with cataracts, hearing loss, hepatosplenomegaly, thrombocytopenia, hypoglycemia, petechiae on face, metaphyseal lucencies
 - Infants can remain infectious for 1 year or longer



CRS: Estimates of the median incidence of CRS per 100,000 live births by country 2010



Recommendations to Prevent Rubella and CRS

- Immunity to rubella should be documented in all pregnant women.
 - Particularly in recent U.S. arrivals and foreign-born
- If not immune, or in doubt, vaccinate.
 - Before pregnancy
- Or before discharge after delivery
 - Or at the first post-partum visit
 - High index of suspicion with recent arrivals to U.S. who were born outside of U.S.
 - Ask about rash illness and exposure to rash illness during pregnancy
 - Consider CRS in infants with symptoms consistent with CRS, especially in foreign-born or recently-arrived mothers, and place on contact precautions.

Infection Control is Critical: Infants can shed the virus for prolonged periods (up to 1 year of age or longer)



GET VACCINATED »





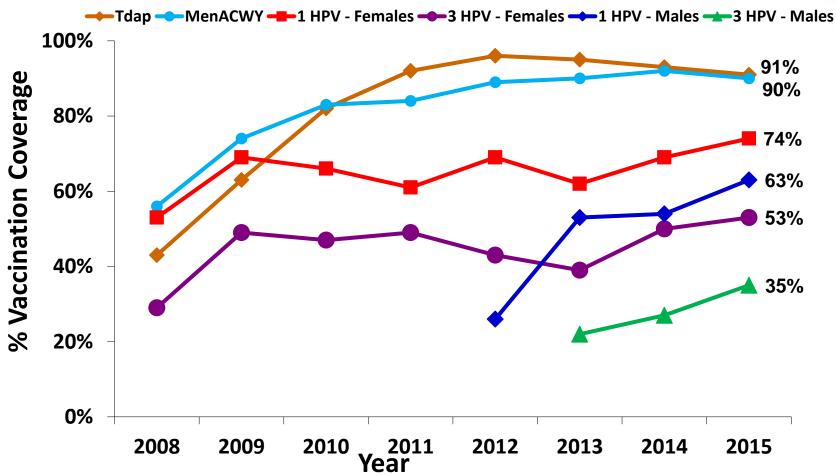
Immunization Rates





Adolescent Vaccination Coverage, Massachusetts, 2008 – 2015





Note: For the purposes of comparability to 2014 estimates, 2013 estimates were revised by retrospectively applying the revised 2014 provider data definition to the 2013 NIS teen data and as a result, differ from those previously published.

NIS Data, CDC



Estimated Vaccination Coverage with HPV Among Adolescents 13-17 Years of Age, MA, NIS 2014 vs 2015

	Females		Males	
	2014	2015	2014	2015
1+ HPV	69%	74% (+5%)	54%	63% (+9%)
2+ HPV	63%	63% (+0%)	46%	51% (+5%)
3+ HPV	50%	53% (+3%)	27%	35% (+8%)
HPV 3 dose series completion*	74%	81% (+7%)	64%	64% (+0%)

^{*}Percent who received 3 doses among those had at least 1 dose of HPV and at least 24 weeks between first dose and interview date.

MA Flu Vaccination Rates

Award	MA	MA	US
	2014-15	2015-16	2015-16
Everyone 6 mos+	55%	50%	46%
Children 6 mos – 17 yrs	76%	#2 75%	59%
o Children 6 mos – 4 yrs	81%	#3 85%	70%
o Children 5 – 12 yrs	78%	#2 79%	62%
o Adolescents 13 – 17 yrs	71%	63%	47%
Adults 18 +	50%	44%*	42%
o Adults 18 – 64 y/o	45%	40%	36%
o Adults HR 18 – 64 y/o	53%	48%	46%
o Adults 50 – 64 y/o	53%	46%	44%
o Adults 65+	67%	60%*	63%

2015-16 National Immunization Survey (NIS) and Behavioral Risk Factor Surveillance System (BRFSS)

MA Adult Vaccination Rates

Vaccine/Group	2013	2014	2015	US
				2015
Tdap <u>></u> 18 y/o	37%	41%	35%	23%†
Zoster <u>></u> 60 y/o	30%	39%	44%	31%
HPV females 18-26 y/o (1+ doses)	61%	64%	71%	42%§
HPV females 18-26 y/o (3+ doses)	76%*	79%*	78%*	70%*
HPV males 18-26 y/o (1+ doses)	23%	38%	38%	10%§
HPV males 18-26 y/o (3+ doses)	30%*	N/A	47%*	43%*
Influenza vaccine <u>></u> 65 y/o	66%	58%	61%	N/A
Pneumococcal vaccine <u>></u> 65 y/o	70%	72%	73%	64%

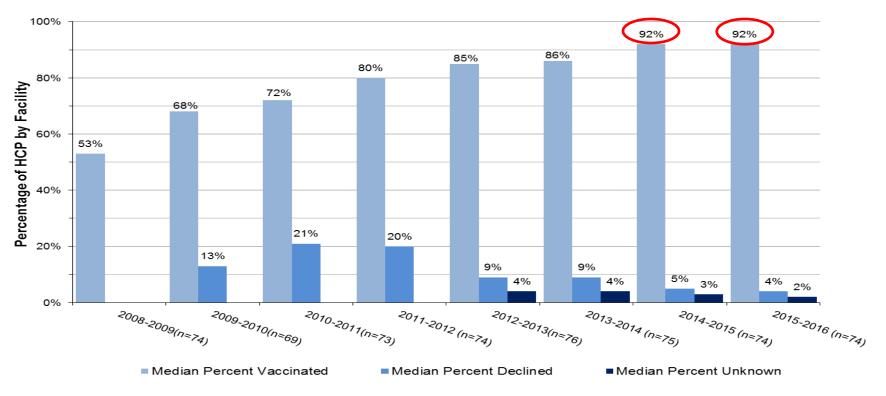
^{*}Percent of those who received at least 1 dose.

Source: MA Data: MA BRFSS, US Data: NHIS

[†]US NHIS data for Tdap is for adults ≥19 years old.

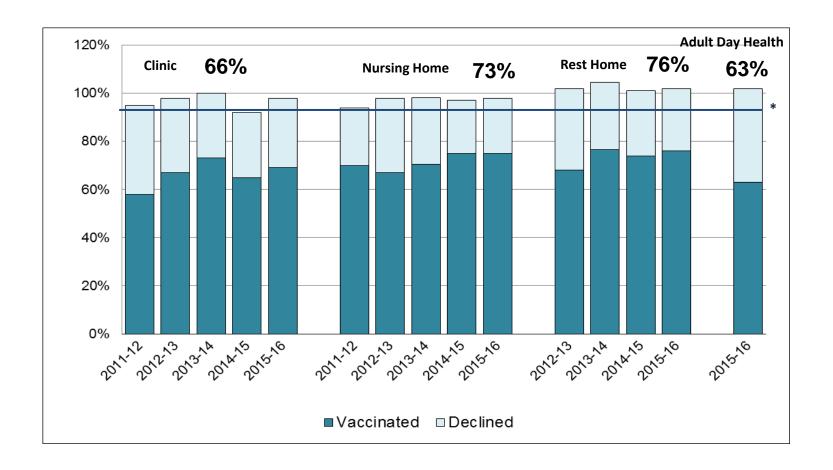
[§]US NHIS data for HPV (at least 1 dose) is for adults 19-26 years old.

Influenza Vaccination Rates Acute Care Hospitals, MA Trends Over Time



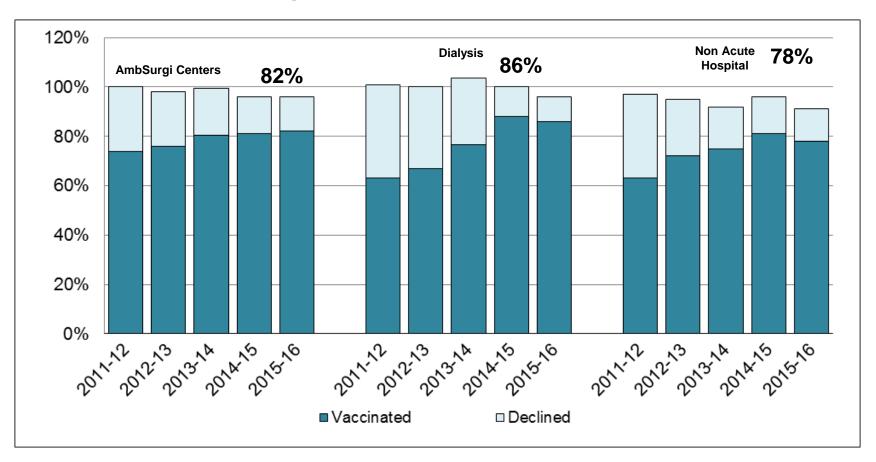
Median HCP vaccine coverage remained steady in 2015-16 and met the Healthy People 2020 benchmark of 90%. The median declination rate decreased to 4% in 2015-16. This reporting year shows a continued decrease in median declination and unknown categories since data collection began in the 2008-09 season.

Mean Percent of HCP Influenza Vaccinations and Declinations as Reported by Massachusetts Clinics, Nursing Homes, Rest Homes and Adult Day Health Programs: 2011-2016 Seasons

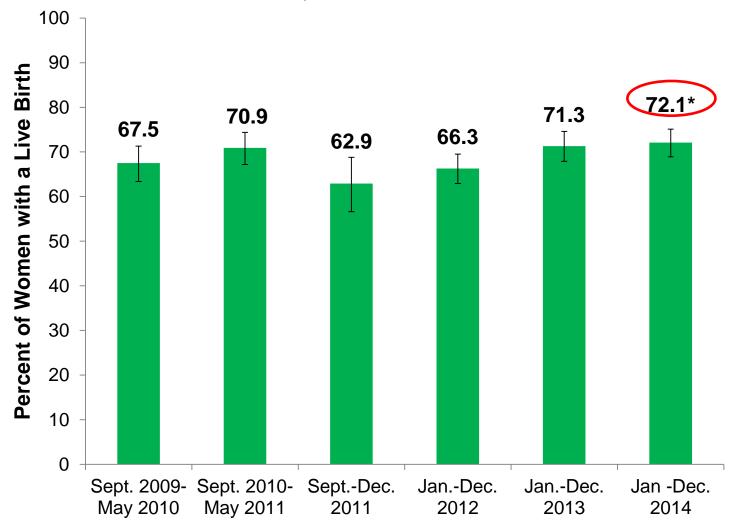


^{* 2015-2016} Season was the first year Adult Day Health Programs were required to report.

Mean Percent of HCP Influenza Vaccination and Declination Rates for Ambulatory Surgical Centers, Dialysis Centers and Non-Acute Hospitals: 2011-2016 Influenza Season



Influenza Vaccination Pregnant Women, PRAMS, MA 2009-2014

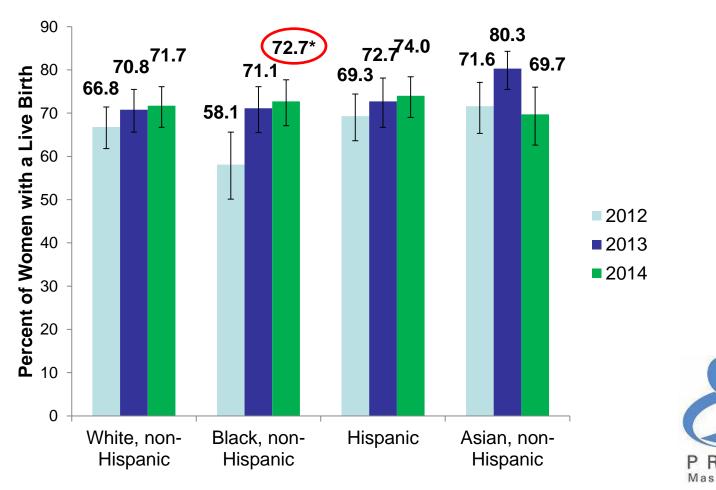




24

^{*} Linear trend statistically significant (p-value =0.0126)

Influenza Vaccination Pregnant Women by Race/ Hispanic Ethnicity, PRAMS, MA 2012-2014



^{*} Statistically significant (p-value = 0.0024)

Special Initiatives

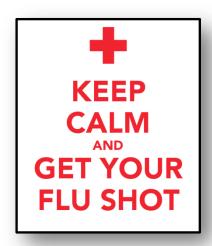






Vaccine Administration Best Practices

CDC and MDPH Resources







One & Only Campaign: Injection Safety Guidelines

- Follow proper infection control practices and maintain aseptic technique during the preparation and administration of injected medications
- Never administer medications from the same syringe to more than one patient, even if the needle is changed
- **Rx for Safe Injections** in Healthcare 1 Needle 1 Syringe +1 Time **O** Infections Injection safety, or safe injection practices, are practices intended to prevent transmission of infectious diseases. Patients and healthcare providers must both insist on nothing less than One Needle, One Syringe, Only One Time for each and every injection. For more information, please visit: www.ONEandONLYcampaign.org The One & Only Campaign is a public health
- Never enter a vial with a used syringe or needle
- Do not use medications packaged as a single-dose or singleuse for more than one patient
- Whenever possible and appropriate, limit use of multi-dose vials

CDC &Safe Injection Practices Coalition http://www.cdc.gov/injectionsafety/1anOnly.html

CDC At-A-Glance Resource Guide

- Immunization service providers and business retaining their services should ensure staff adhere to CDC guidelines.
- Guide includes links to info about:
 - Infection prevention
- Vaccine administration & safety
 - ACIP Gen Imm Recs



- Large Scale Clinic Guidance
- Skills checklists
- Standing Orders
- Vaccine storage and handling practices
- Reporting to:
 - VAERs
 - Institute for Safe Medication Practices (ISMP)

VPD epidemiology

AT-A-GLANCE RESOURCE GUIDE VACCINE ADMINISTRATION AND STORAGE AND HANDLING

IMMUNIZATION AND VACCINES (GENERAL)

General Recommendations on Immunization - Recommendations of the Advisory Committee on Immunization Practices (ACIP)

Guidance about vaccination and vaccines for health care providers, www.cdc.gov/mmwr/preview/mmwrhtml/rr6002a1.htm

Epidemiology and Prevention of Vaccine-Preventable Diseases (the Pink Book), 13th Edition: Course Textbook (2015)
Comprehensive information on routinely used vaccines and the diseases they prevent.
www.cdc.gov/vaccines/pubs/pinkbook/index.html

The Pink Book Webinar Series

One-hour webinars with CDC experts exploring chapters of the Pink Book. www.cdc.gov/vaccines/ed/webinar-epv/index.html

"You Call the Shots" Online Training Modules

A series of training modules for health care providers on vaccine recommendations with self-tests to assess learning. CE credit available. www.cdc.gov/vaccines/.ed/voucaltheshots.html

Vaccine Safety

Safety information about specific vaccines and answers to commonly asked questions.

www.cdc.gov/vaccinesafety/index.html

Vaccine Information Statements (VIS) Statements required by law to inform patients about the benefits and risks of a vaccine they are receiving. www.cdc.gov/vaccines/hcp/vis/

VACCINE STORAGE AND HANDLING

- Epidemiology and Prevention of Vaccine-Preventable Diseases (the Pink Book): Storage and Handling Chapter www.cdc.gov/vaccines/pubs/pinkbook/vac-storage.html
- Vaccine Storage and Handling Guidelines and Recommendations
 Resources on vaccine storage and handling recommendations and guidelines.
 www.cdc.gov/vaccines/recs/storage/default.htm
- Vaccine Storage and Handling Toolkit
 Comprehensive guidance for health care providers on vaccine storage and handling recommendations and best practices.
- handling recommendations and best practices. $\underline{www.cdc.gov/vaccines/hcp/admin/storage/toolkit/storage-handling-toolkit.pdf}$
- "Keys to Storing and Handling Your Vaccine Supply" Training Video This training outlines vaccine storage and handling best practices, and provides helpful tips for preventing errors and preserving vaccine supply and integrity. www2.cdc.gov/vaccines/ed/shvideo/

VACCINE ADMINISTRATION

Skills Checklist for Immunization

A self-assessment tool from the Immunization Action Coalition for health care staff who administer vaccines.

www.immunize.org/catg.d/p7010.pdf

- Epidemiology and Prevention of Vaccine-Preventable Diseases (the Pink Book): Vaccine Administration Chapter www.cdc.gov/vaccines/pubs/pinkbook/vac-admin.html
- Vaccine Administration Guidelines and Recommendations
 CDC resources include information on vaccine dosage, route, and site; vaccines with diluents; sample vaccine records; recommendations for emergency situations; managing vaccine reactions; and vaccine indications.
 www.cdc.gov/vaccines/recs/vac-admin/default.htm
- Injection Safety
 Information for health care providers about safe injection practices.
 www.cdc.gov/injectionsafety/providers.html
- Using Standing Orders for Administering Vaccines: What You Should Know The Immunization Action Coalition provides standing orders for ACIPrecommended vaccines and an overview about the use of standing orders for vaccination.

www.immunize.org/standing-orders/



June 22, 2016 69249275-K



Checklist of Best Practices for Vaccination Clinics Held at Satellite, Temporary, or Off-site Locations

NAIIS Website:

https://www.izsummitpartners.org/

OVERVIEW OF THIS DO							
This checklist is a step-t BEFORE THE CLINIC (Please review and answer each row before the clinic starts.)							
satellite, temporary, or							
	best practices for vaccir VACCINE SHIPMENT						
	is checklist outlines C	YES	NO	N.A.			
	ectiveness. A clinic c				Vaccine was shipped directly to the facility/clinic site, where adequate storage is available. (Direct shipment is		
					preferred for cold chain integrity.)		
5110	VACCINE TRANSPORT (If it was not possible to ship vaccines directly to the facility/clinic site)						
IN!	STRUCTIONS	YES	NO	N.A.	The state of the s		
1.	A staff member who	123	110				
	(This individual is re				Vaccines were transported using a portable vaccine refrigerator or qualified container and pack-out designed t		
2.	Review this checklis		STOP		transport vaccines within the temperature range recommended by the manufacturers (i.e., between 2-8° Celsius		
	the clinic will be hel				or 36-46° Fahrenheit for ALL refrigerated vaccines). See page 55 of CDC's Vaccine and Storage and Handling		
3.	Critical guidelines f				Toolkit for definitions of qualified containers and pack-outs:		
	check "NO" in ONE				www.cdc.gov/vaccines/hcp/admin/storage/toolkit/storage-handling-toolkit.pdf.		
	your organization's	П			The person transporting the vaccines confirmed that manufacturer instructions for packing configuration and		
	proceeding with th		STOP		proper conditioning of coolants were followed. (Your qualified container and pack-out should have come with		
	move forward with				packing instructions. If not, contact the company to obtain instructions on proper packing procedures.)		
4.	Contact your organi	П	П		The person transporting the vaccines confirmed that all vaccines were transported in the passenger compartmen		
	transported, stored	_		_	of vehicle (NOT in vehicle trunk).		
	information was pro	П			A digital data logger with a buffered probe (placed directly with vaccines) with a current and valid Certificate of		
	marked as "NO" on		STOP	_	Calibration Testing was used to monitor vaccine temperature during transport.		
5.	This checklist should	П	П		The amount of vaccine transported was limited to the amount needed for the workday.		
	www.cdc.gov/vacci				·		
		VAC	CINE	STO	RAGE AND HANDLING (upon arrival at facility/clinic)		
6.	This checklist <u>applic</u>	YES	NO	N.A.			
7.	Sign and date the cl			14.7			
	(If more than one cl	П	STOP		If vaccines were shipped, the shipment arrived within the appropriate time frame (according to manufacturer or		
	complete only the s	_	3101		distributor guidelines) and in good condition.		
8.	Attach the staff sigr				If vaccines were shipped, the cold chain monitor (CCM) was checked (if available) upon arrival at the		
	supervisor was over		STOP		facility/clinic, and there was no indication of a temperature excursion during transit. CCMs are stored in a		
	accountability				,, , , , , , , , , , , , , , , , , , ,		

Checklist and Pledge can be found at:

https://www.izsummitpartners.org/naiis-workgroups/influenza-workgroup/off-site-clinic-resources/

MDPH Resources

Visit our MDPH Flu Website:

www.mass.gov/flu

Diseases & Conditions > Flu > Vaccine Guidelines and Tools ★ Home > Provider > Guidelines & Resources > Guidelines for Services & Planning >

Vaccine Guidelines and Tools

Resources for Healthcare Professionals



- CDC resource page with information about the current influenza season, dosage and adr composition, storage and handling, target groups for vaccination, supply and distribution, and patient education.
- Strategies for Increasing Adult Vaccination Rates (CDC)
 - CDC resource page highlighting strategies to increase adult vaccination rates including m recommendation, reminder systems, and how to improve coverage rates for high risk pop
- Flu Vaccine Safety Summary for Clinicians (CDC)
 - CDC summary of seasonal influenza safety resources including key facts and safety asso vaccine (IIV, LAIV, and RIV).

Planning Clinics and Campaigns

- - These guidelines were developed to assist in the planning and operation of vaccination c clinics, school-based clinics, and vaccination clinic in response to small-scale emergencie summarizes key points in running a successful clinic, and provides links to many other us
- CDC Guidelines for Large-Scale Influenza Vaccination Clinic Planning
 - CDC resource page outlining the logistics and considerations needed to plan a high volume.
- Flu Vaccine for Everyone: Reaching and Engaging Diverse Communities. 📆 змв 🗐 7мв
 - This is a comprehensive guide to conducting influenza clinics for healthcare professionals and community based organizations to reach diverse populations.



Click on "Information for Healthcare and Public Health Professionals", then click on "Vaccine Guidelines and Tools" to find many resources and links, such as:

- Clinical Advisories
- Model Standing Order
- Planning Clinics and Campaigns
- **MDPH Guidelines for Immunization Clinics**

http://www.mass.gov/eohhs/docs/dph/ cdc/immunization/clinic-guidelines.pdf

Publications



CDC Immunization Netconferences

Adult Series NetConference

- Wednesday, April 12 Burden of Vaccine-preventable Diseases in Adults: Medical, Social, and Economic Costs
- Wednesday, April 19 Provider Reimbursement for Adult Immunizations
- Wednesday, April 26 Immunizing Adults: Immunization Schedule, Coverage, and Challenges
- Wednesday, May 17 Immunizing Older Adults and the Chronically III
- Wednesday, May 24 Immunizing Pregnant Women, Health Care Personnel, and in the Workplace
- Wednesday, May 31 Clinic Logistics: Vaccine Administration, Storage, and Handling

"Best Practice" Tools for Holding Safe Vaccination Clinics in Temporary Settings: Checklist and Pledge 101

- Date and Time: May 2, 2017, 1pm-2pm Eastern
- Moderator: Andrew Kroger, MD, MPH, Medical Officer, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention
- Speakers:
 - Kara Anderson, Director, Business Development, Passport Health
 - Amy J Behrman, MD, Medical Director, Occupational Medicine, Associate Professor, Perelman School of Medicine, University of Pennsylvania
 - Amy Parker Fiebelkorn, MSN,
 MPH, Epidemiologist, Deputy of the Vaccine Task Force
 - Kelly McKenna, MA, Manager, Immunization Initiative, EverThrive Illinois

Find both at: https://www.cdc.gov/vaccines/ed/ciinc/index.html

Standing Orders in MA

- Licensed registered and practical nurses can administer vaccines using standing orders (BORN Advisory Ruling No. 9804, updated 9-9-15) https://www.mass.gov/eohhs/gov/departments/dph/programs/hcq/dhpl/nursing/nursing-practice/advisory-rulings/administration-of-immunizing-agents.html
- Pharmacists (and interns under supervision of a pharmacist) can administer vaccines to adults using standing orders written by a physician (105 CMR 700.000)
 - New regs will allow vaccination down to 9 years of age

IAC model standing orders available at:

http://www.immunize.org/standing-orders/

MDPH model standing orders available at:

www.mass.gov/dph/imm

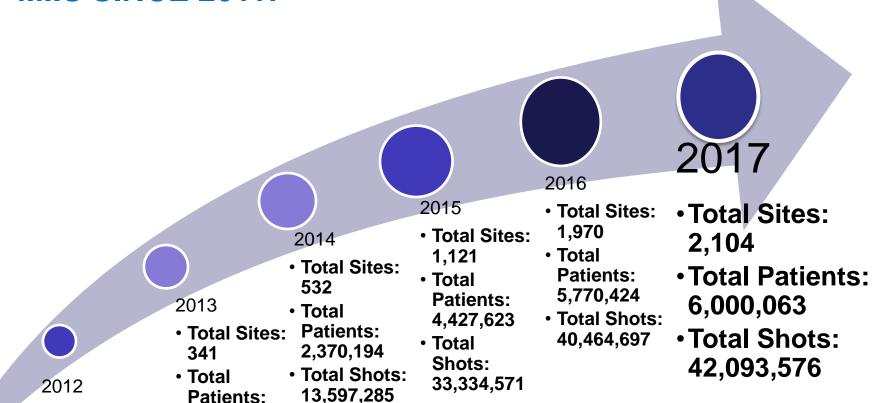




MIIS



RAPID EXPANSION OF THE MIIS SINCE 2011!



Vaccinations Across the Lifespan

• Total Shots: 69,505

Patients: 3.902

2011

9

Total

Total Sites:

815,928

Total Shots:

3,371,434

55

√ Total Sites: Patients:

Total

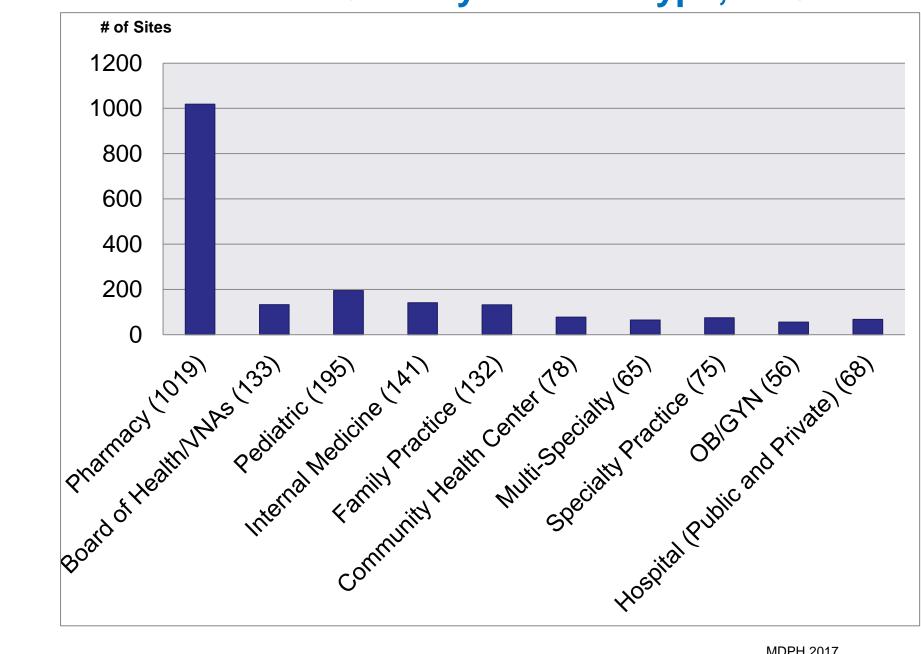
1,539,629

7,303,293

· Total Shots:

MDPH 2017 35

Number of Sites by Practice Type, MIIS



New & Improved

Invalid Dose Report

 Identifies patients who received an invalid dose of a selected vaccine

Data Quality Report

Redesigned for enhanced performance

City/Town-wide Coverage & Reminder Recall Reports

- Designed specifically for Boards of Health
- Allows BOH to run reports for their patients or their geographical population

School Reports

- Compliance Report
- Students Not Fully Vaccinated Report

Bi-Directional Data Exchange

- Provider can query the MIIS and receive patient demographics, immunization history and forecast
- Meaningful Use requirement for stage 3

MIIS Accepts National Drug Codes from Provider HL7 Messages

Meaningful Use requirement for stage 3

Weekly HL7 message status report via email

Identify abnormal data submissions or message failures to alert IT

Looking Ahead...

Late Summer-2017

- Delivered Reports
 - Allows for long running reports to be accessible at a later time in the MIIS.
- Reminder Recall for a single patient
- Shot De-duplication improvements
- Vaccine Management Dashboard



MDPH Immunization Program

Contact Information Immunization Program Main

Immunization Program Main Number

For questions about immunization recommendations, disease reporting, etc.

• Phone: 617-983-6800

• Fax: 617-983-6840

Website: www.mass.gov/dph/imm

MIIS Help Desk

• **Phone**: 617-983-4335

• Fax: 617-983-4301

• Email: miishelpdesk@state.ma.us

• Websites: www.contactmiis.info | www.mass.gov/dph/miis

MDPH Vaccine Unit

• Phone: 617-983-6828

• Fax: 617-983-6924

• Email: dph-vaccine-management@state.ma.us

• Website: www.mass.gov/dph/imm (click on Vaccine Management)

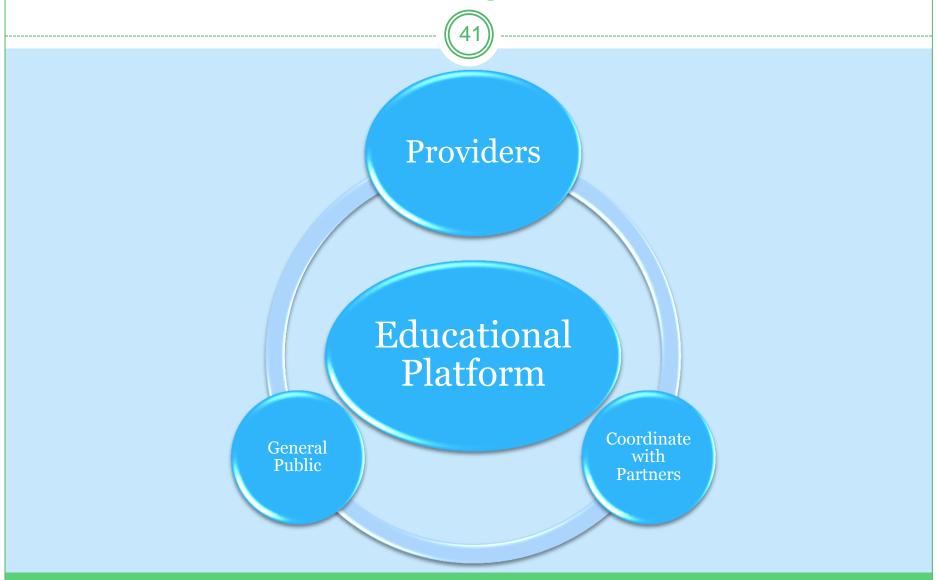


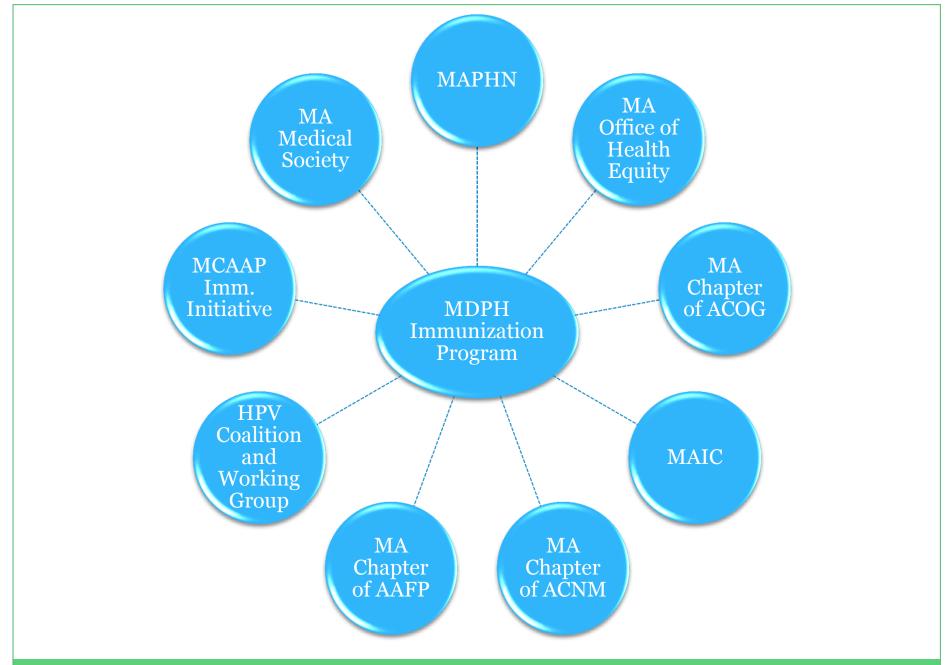
39

MDPH Immunization Program Outreach and Education

REBECCA VANUCCI
IMMUNIZATION OUTREACH COORDINATOR
CO-FACILITATOR OF MAIC
REBECCA.VANUCCI@STATE.MA.US
APRIL 25, 2017

What is the Immunization Program Educational Platform?





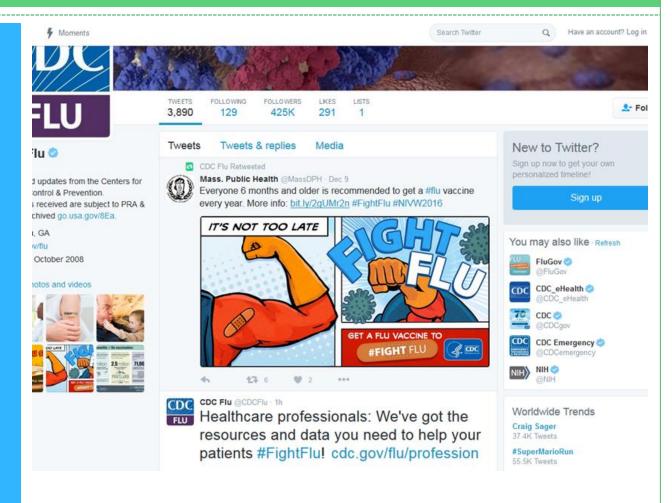


December 4-11, 2016

MA Department of Health Blog: It's Not Too Late the Get a Flu Vaccine!

http://blog.mass.gov /publichealth/flufacts/its-not-toolate-to-get-a-fluvaccine/

Tweets throughout the week on DPH Twitter



National Influenza Vaccination Week

Cervical Health Awareness Month

44

HPV Digital Billboard

New General Audience Website

Public Health Blog and Twitter

CDC Syndicated Content

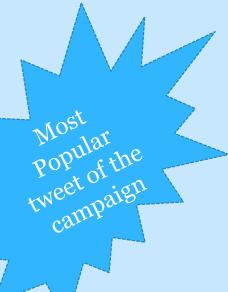


HPV vaccine is cancer prevention.

www.mass.gov/dph/HPVvax

National Immunization Awareness Month









Adults need vaccines, too. Vaccination is an important step in staying healthy: ow.ly /kGLG302NTgf #NIAM16



MA Adult Immunization Coalition (MAIC)



 MAIC is a collaborative partnership dedicated to increasing adult immunization through education, networking, and sharing innovative and best practices.



- There are currently over 200 members representing:
 - Local and state public health organizations
 - Community health centers
 - Health insurance plans
 - Pharmacies
 - Physicians
 - Vaccine manufacturers
 - Long-term-care and senior service organizations
 - Consumer advocacy groups
 - Hospitals
 - Home health
 - College health services

Next meeting!

Thursday, June 1st 6:30pm at Massachusetts Medical Society

Sign up at the MMS table today or learn more at http://maic.jsi.com/



Center for Health Care Financing

a Commonwealth Medicine center of distinction

MA Public Clinic Billing Project

- For 10% fee, CHCF at Commonwealth Medicine electronically bills the participating plans and distributes payments to public providers
 - o 10 private health plans and MassHealth participate
- Cities and towns can bill contracted plans for the:
 - o Administration of state-supplied flu vaccine to individuals ages 6 months and older
 - Cost of purchasing and administering all recommended vaccines to adults for private health plans
 - Cost of purchasing and administering influenza and pneumococcal vaccines to Medicare Part B
 - o 175 public sector providers across the state participate, representing 214 out of 351 towns in MA
- > \$2.5 million reimbursed to communities last flu season

Submit Insurance Form

Public Clinics



CHCF





Health Plans

Distributes payments

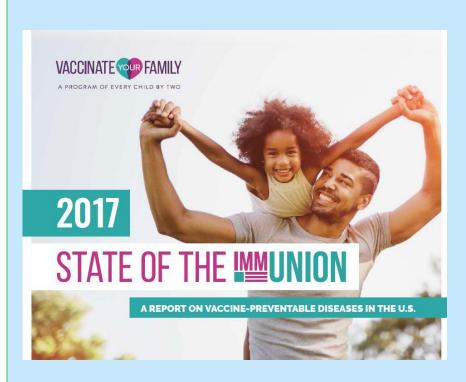
Send payment explanation

Recent Vaccine Confidence Tools



Every Child By Two's State of the ImmUnion

Policy Lab's Addressing Vaccine Hesitancy



EXECUTIVE SUMMARY

Vaccines have successfully eliminated or dramatically reduced the incidence of many infectious diseases in the United States. Routine immunization of all children born in one year can:

- Save 42,000 lives,
- Prevent 20 million cases of disease.
- Reduce direct health care costs by \$13.5 billion and
- Save \$68.8 billion in total societal costs.

Questions?



Rebecca Vanucci Immunization Outreach Coordinator

rebecca.vanucci@state.ma.us

617-983-6534