



Increasing HPV Vaccine Coverage through AFIX Utilization

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Disclosure

- ▶ I, Kathleen Shattuck, 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.
- ▶ I have no relationships to disclose.
- ▶ I may discuss the use of vaccines in a manner not approved by the U.S. Food and Drug Administration.
- ▶ But in accordance with ACIP recommendations.



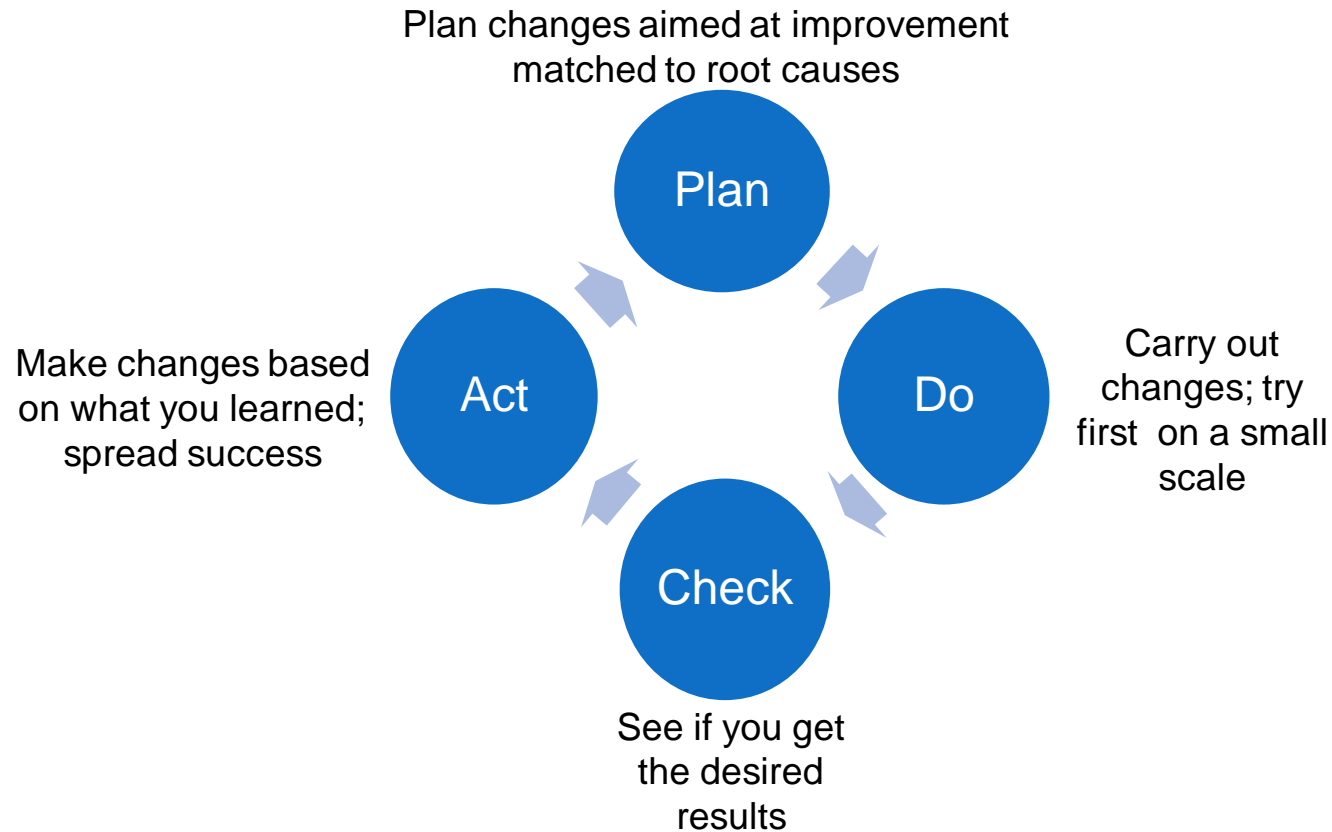
AFIX is a continuous quality improvement process focused on implementing practices to increase immunization coverage levels and decrease missed opportunities, as well as improve immunization services.



AFIX

- ▶ **A**ssessment of vaccination coverage levels and immunization practices
- ▶ **F**eedback of results with suggested strategies to improve process, immunization practice, vaccination coverage levels
- ▶ **I**ncentives to recognize improvement
- ▶ **eX**change of information over time to continue monitoring progress of implementing new strategies and improving vaccination coverage levels

Continuous Quality Improvement (CQI)



CQI is utilized in AFIX by implementing evidence based strategies and setting goals to improve immunization practices and increase immunization coverage rates

Data Driven Process

- ▶ Vaccination coverage reports from the Massachusetts Immunization Information System (MIIS)
- ▶ Current immunization practices collected through a questionnaire



Effective

The *Guide to Community Preventive Services*, written by an independent panel of public health and prevention experts, shows strong evidence from many studies that assessment and feedback can increase immunization coverage rates.

- ▶ Evidence from 16 studies shows provider assessment and feedback helped increase vaccination rates by a median of 9 percentage points.

MA AFIX History

- ▶ MDPH Immunization Program began childhood AFIX assessments in 1993
- ▶ During the late 1990s, MDPH collaborated with the Clinical Effectiveness Program at Children's Hospital to enhance AFIX activities and incorporate a new quality improvement component
- ▶ In 2014 we began solely using reports from the MIIS to assess coverage rates, rather than pulling charts during AFIX
- ▶ Also in 2014 began using webinars to conduct AFIX to make scheduling and including multiple staff from provider site easier



AFIX Process

- ▶ Review childhood (24-35 month olds) and adolescent (13-17 year olds) coverage reports in the MIIS
 - ▶ Special focus on HPV vaccination rates
- ▶ Review current immunization practices (using questionnaire)
- ▶ Based on each site's individual needs, formulate a quality improvement plan to enhance their immunization practices and increase coverage levels
- ▶ Set goals for improving coverage levels



Quality improvement Strategies

- ▶ Some quality improvement strategies proven to influence coverage rates

- ▶ Reminder recall

- Evidence from 29 studies indicates reminder and recall systems helped increase vaccination rates by a median of 11 percentage points.*

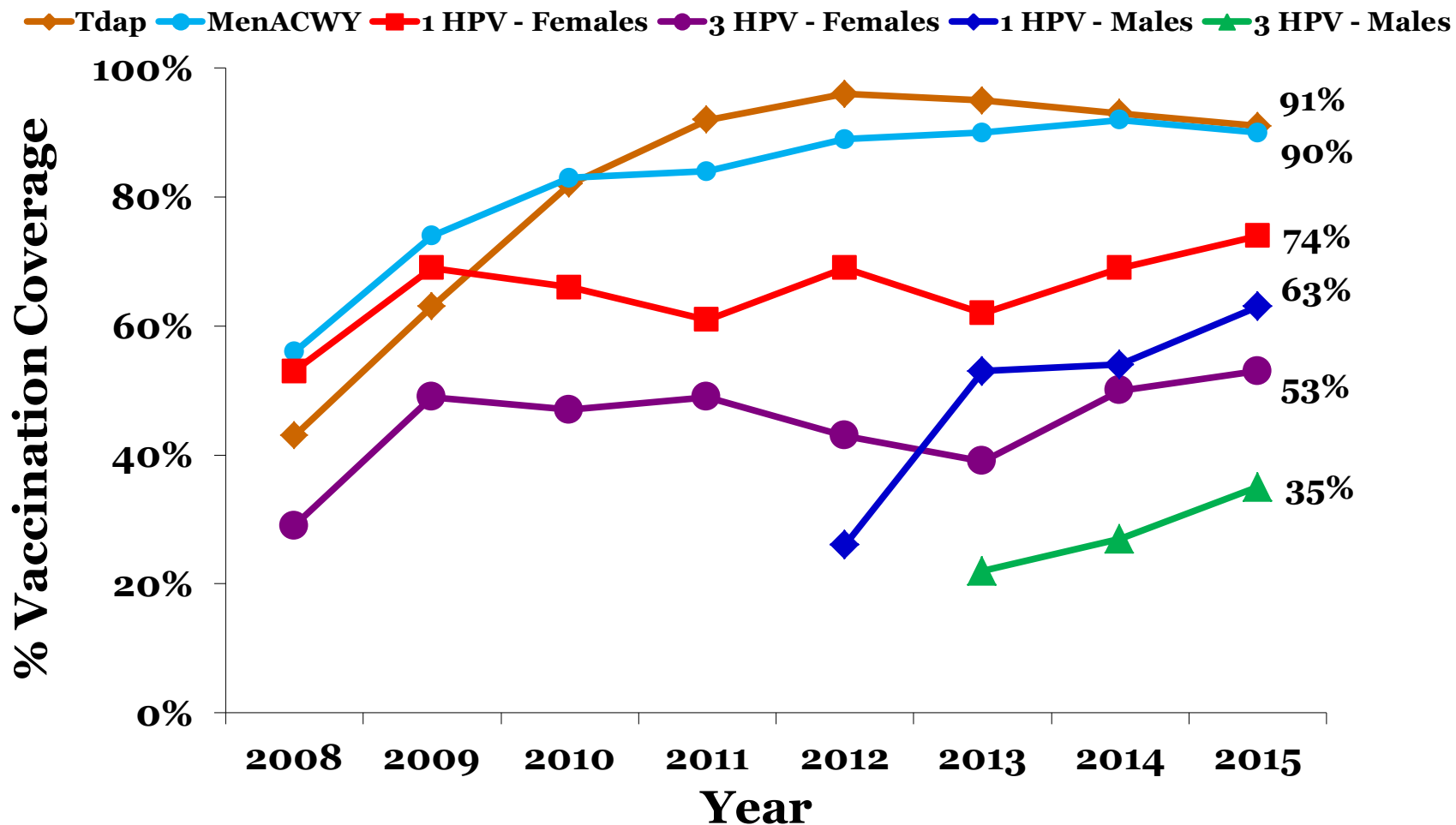
- ▶ Standing orders

- Evidence from 29 studies shows standing orders helped increase vaccination rates by a median of 24 percentage points.*

- ▶ Immunization champion

- ▶ Communication strategies

Adolescent Vaccination Coverage, MA, NIS, 13-17 year olds, 2008 – 2015



Note: For 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

HPV Immunization Recommendations

- ▶ Strong provider recommendations for HPV vaccination
 - ▶ A strong recommendation from a child's healthcare provider is the most significant factor in parents' decision to vaccinate their children with HPV vaccine
 - ▶ Research has shown changing the wording used to introduce the HPV vaccine makes a huge difference:
 - ▶ “Now that your child is 11, they are due for three vaccines that are really important for all kids their age. They will help protect against meningitis, HPV cancers, and pertussis. We will be giving these at the end of the visit today.”
Offer HPV vaccine the same way, same day.
- ▶ Talk about HPV vaccination as cancer prevention!
 - ▶ Cancer prevention is important to parents so remind them that HPV vaccination protects against not only cervical cancer but also anal, penile, vaginal, vulvar, and oropharyngeal cancers.



Follow-up/eXchange

- ▶ Follow-up phone call in 3 months
 - ▶ Check-in call to discuss level of implementation for each QI strategy selected and look at coverage reports for any change in rates
- ▶ Follow-up webinar in 6 months
 - ▶ Discuss the level of implementation for each QI strategy selected, look at coverage report, review progress towards reaching immunization coverage goals, assess changes in coverage rates



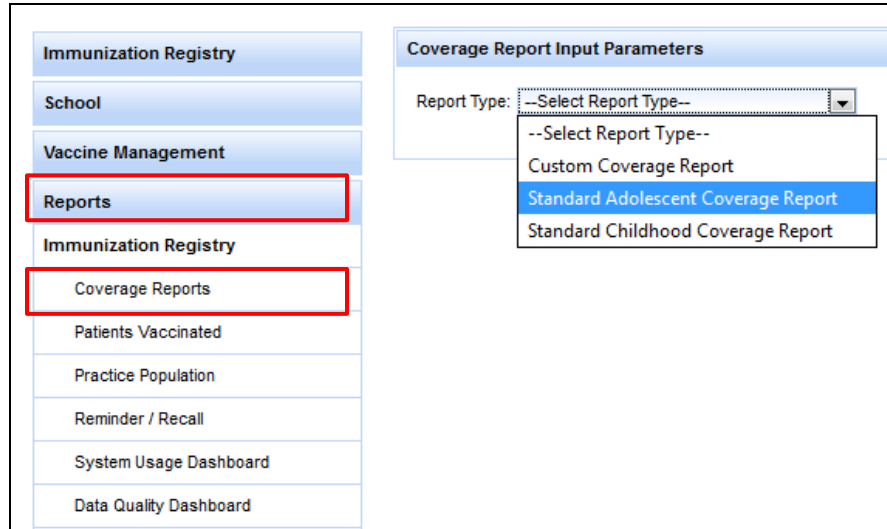
New for 2017: Enhanced AFIX!

- ▶ Physician to physician education
- ▶ Six Massachusetts physicians, including experts in vaccines, infectious diseases and quality improvement
 - ▶ Share strategies and best practices for improving immunization rates as well as practical advice
 - ▶ Focus on HPV disease, vaccine effectiveness and safety and conversations with parents

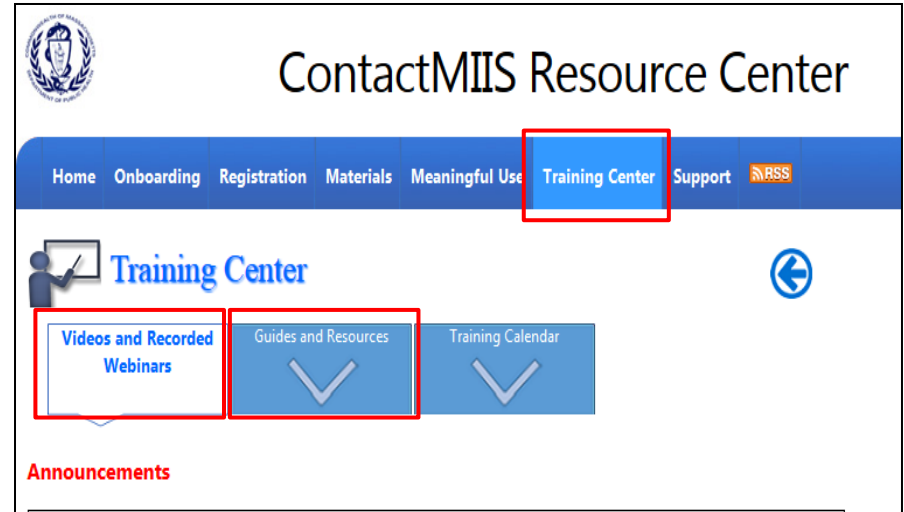


Interested in coverage reports for your practice?

- ▶ You can run your own coverage reports using the MIIS. Instructions available on www.contactmiis.info



This screenshot shows the MIIS navigation menu. The 'Reports' option is highlighted with a red box. Below it, the 'Coverage Reports' sub-option is also highlighted with a red box. To the right, the 'Coverage Report Input Parameters' window is open, showing a dropdown menu for 'Report Type' with the following options: '--Select Report Type--', '--Select Report Type--', 'Custom Coverage Report', 'Standard Adolescent Coverage Report', and 'Standard Childhood Coverage Report'. The 'Standard Adolescent Coverage Report' option is highlighted in blue.



This screenshot shows the ContactMIIS Resource Center website. The 'Training Center' link in the top navigation bar is highlighted with a red box. Below the navigation bar, the 'Training Center' section is displayed, featuring three main options: 'Videos and Recorded Webinars', 'Guides and Resources', and 'Training Calendar'. The 'Videos and Recorded Webinars' and 'Guides and Resources' buttons are highlighted with red boxes. Below these options, there is an 'Announcements' section.



Interested in AFIX?

- ▶ All providers who see kids and are sending immunization data to the MIIIS (and sent historical information) are eligible
- ▶ Contact the MDPH Assessment Unit at 617-983-4330 or immassessmentunit@state.ma.us to learn more

