



The National Vaccine Advisory Committee Panel on Adult Immunizations



*Immunization Information
System
Special Innovation Project
(IIS)*

*Lisa McAdams and
Michael Scott
9/10/2013*

Participation in an IIS

- Nationally, about 84% of children aged <6 years with two or more immunizations are recorded in an IIS. Only 24% of adults ≥19 years have one or more immunizations recorded in an IIS (December 2011)

Participation in an IIS (Continued)

- In Oregon, 108% of children aged <6 years with two or more immunizations are recorded in the Oregon IIS. Only 51% of adults ≥ 19 years have one or more immunizations recorded in the Oregon IIS (December 2011)
- In Wisconsin, 102% of children aged <6 years with two or more immunizations are recorded in the Wisconsin IIS. 100% of adults ≥ 19 years have one or more immunizations recorded in the Wisconsin IIS (December 2011)

Immunization Registry Benefits

- Improve the care coordination experience
- Reduce the time required to track immunization records
- Access to functions that increase efficiency
 - Inventory tracking, forecasting, reminders/recall, reports
- Reduce medical errors and redundant vaccinations
- Provide access to comprehensive clinical data
- Assist providers with clinical decision support at the point of care

Project overview

- CMS/CDC special project linking QIOs and State Health Department Grantees
- Funded by CMS
- A demonstration project to inform future work
- Awarded to two QIOs in September 2011
 - Oregon, Acumentra Health
 - Wisconsin, MetaStar
- Continues through July 2014

Purpose

- Improve routine reporting of all adult immunizations to the state IIS via electronic health records (EHRs), particularly among physician offices that are not currently submitting this data, and
- Improve all adult immunization rates, particularly among Medicare beneficiaries

Goals

- Physician Office Recruitment
- Physician Office Reporting via EHR
 - At least once
 - Quarterly
- Improve Immunization Rate by 10% relative improvement

Support Meaningful Use

- Stage 1
 - Demonstrate capability to submit electronic data from certified EHR to immunization registry or IIS by performing at least one test
- Stage 2
 - Demonstrate successful ongoing submission of electronic immunization data from certified EHR to IIS

Real time HL7 and HL7 batch will support providers' efforts toward meeting Meaningful Use under the EHR Incentive Programs.

Project activities

- Technical assistance to achieve ongoing electronic data submission to IIS
- Provide training on using functionality of the IIS and EHR to improve immunization delivery
- Offer successful interventions and best practices to improve immunization delivery
- Report to CMS on recruitment and reporting status, challenges, lessons learned, and best practices

Barriers and Challenges

- Partnership with the QIO and the IIS
 - QIO is funded for this work, the IIS is not
- EHR interface with IIS
 - Not available
 - Vendor development of the IIS interface faces competing priorities for vendor time and resources
 - High cost of the interface for the physician offices
 - Lack of standardization among the IISs.

Interim Results

- Oregon
 - Recruited 50% of goal
 - 24% of recruited offices reported at least once
 - No data yet
- Wisconsin
 - Recruited 100% of goal
 - 86% of recruited offices reported at least once
 - 18% relative improvement (all adult immunizations reported)

Suggestions/Recommendations

- Promote sharing of immunization data, including Medicare immunization claims data
- Provide leadership and guidance for the development of a standardized interface between EHRs and immunization registries

Questions?

