

National Adult Immunization SUMMIT

Adult Vaccination: What Works

Name of the Organization:

State of Wyoming

2011 Award Winner of The Bull's-Eye Award for Innovation and Excellence in Immunization from the Association of Immunization Program Managers

What We Did

The **Wyoming Immunization Section** received a supplemental grant from the Centers for Disease Control and Prevention (CDC) during CY2009 in order to enhance the functionality of the Wyoming Immunization Registry (WyIR) through the integration of one-dimensional (1-D) and two-dimensional (2-D) barcode scanning functionality. To date, Wyoming is the only grantee who has introduced, tested, and used this technology in clinical settings. The goal of this project was to improve data quality and enhance the efficiency of entering patient-level data into the WyIR during mass vaccination events. The Immunization Section established an Interagency Agreement with the Wyoming Department of Transportation (WYDOT) to access demographic data contained in 2-D barcodes on the reverse side of Wyoming drivers' licenses and identification cards in order to rapidly search for a patient or create a new patient record during a mass vaccination event.

Target Population or Audience: The primary target population of this project was health care providers in Wyoming who had access to the WyIR and who conducted mass vaccination clinics. The secondary target population for this project was individuals who received immunizations during mass vaccination events. Implementation and testing of the barcoding functionality in a clinical setting occurred in early 2011. In October 2011, the functionality of this system was tested.

Outcome or Results We Got:

Providers reported several advantages to use of the barcode scanning technology. Advantages reported by providers who participated in the beta-testing process were that the use of this technology led to cost savings through reduced time for data entry; reduced demand for staffing resources (i.e., less key stroking required); improved accuracy in patient records; and identification of other strategies for improving efficiency and effectiveness during mass vaccination events. Providers have also expressed their appreciation for the use of a simple-to-use, "plug and play" technology that could be easily adapted to a provider's setting and workflow as well as clinical setting. In October 2011, one of the larger beta-test provider sites conducted a community-wide seasonal influenza vaccination clinic at their office. During a 12-hour period, from 7 a.m. to 7 p.m., this provider administered more than 1,200 doses to community members and searched or created an immunization record in real-time during the clinic. According to the clinical lead for this vaccination event, "the scanners saved our administrative staff two-thirds of the time that they would have spent entering vaccines into the registry. It also prevented extra overtime for the administrative staff so our office saw a cost savings by utilizing the scanners."

About Our Organization:

Wyoming Immunization Information System is the registry for tracking immunizations provided in that state. The AIM Bull's-Eye Award for Innovation and Excellence in Immunization is presented to a state, territorial, or local (grantee) immunization program in recognition of an outstanding immunization initiative. The award recognizes immunization strategies that "hit their mark," achieving goals and increasing awareness by encouraging replication in other programs.

Our Organization's Website/Resources/Contact Information:

http://immunizationmanagers.org/membership/bulls_eye_award_2012.phtml