

2011 Montana Immunization Information System (IIS) Update

Jennifer Hepner, MA - Training & Support Specialist

Overview

- ▶ Immunization Information Systems (IIS)
- ▶ Project History
- ▶ Why *imMTrax*?
- ▶ *imMTrax* Capabilities & Benefits
- ▶ *imMTrax* Training
- ▶ *imMTrax* Website

Immunization Information Systems (IIS)

“Immunization Information Systems are confidential, population-based, computerized information systems that collect and consolidate vaccination data from multiple health-care providers within a geographic area. IISs are a critical tool that can increase and sustain vaccination coverage by consolidating vaccination records from multiple providers, generating reminder and recall vaccination notices for each person, and providing official vaccination forms and vaccination coverage assessments”

Source: CDC. Immunization information system progress—United States, 2006. MMWR 2008;57:289-91.

Immunization Information Systems (IIS)

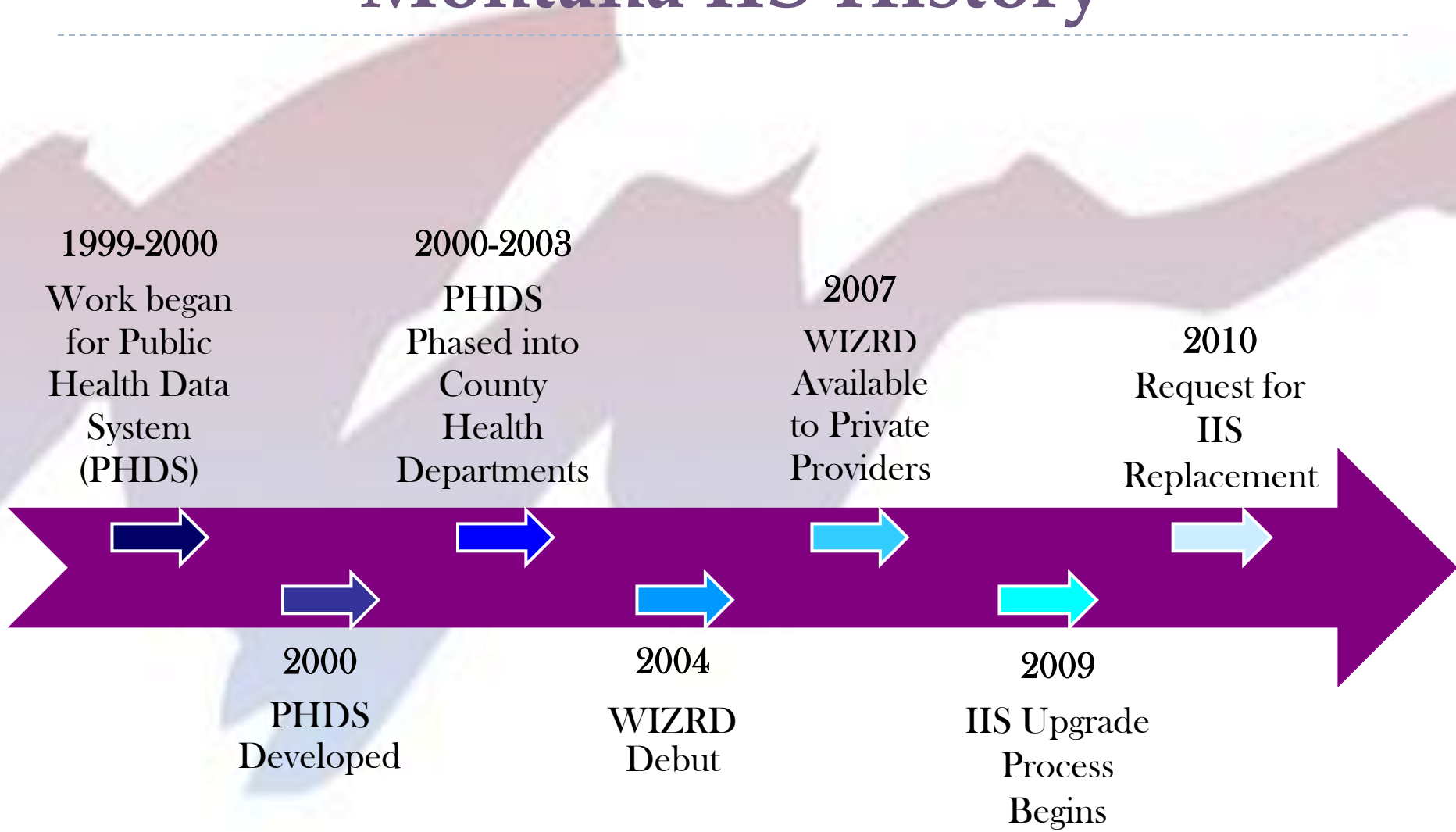
- ▶ Confidential
- ▶ Computerized Information Systems
 - ▶ Collects & Consolidates Vaccination Data
- ▶ Population-Based
 - ▶ Geographic Area
- ▶ Helpful Tool
 - ▶ Increase & Sustain Vaccination Coverage
- ▶ Generating Reminder/Recall Notices
- ▶ Providing Official Vaccination Documentation
- ▶ Vaccination Coverage Assessments

Organizations that Support Immunization Information Systems (IIS)

American Academy of Pediatrics (AAP) ~ American Medical Association (AMA) ~ American Public Health Association (APHA) ~ American School Health Association (ASHA) ~ Association of State and Territorial Health Officers (ASTHO) ~ Centers for Disease Control and Prevention (CDC) ~ Every Child by Two (ECHT) ~ Gerber Foundation ~ All Kids Count (AKC) ~ Robert Wood Johnson Foundation ~ National Medical Association (NMA) ~ National School Boards Association (NSBA) ~ National Association of School Nurses (NASN) ~ National Association of Pediatric Nurse Associates and Practitioners (NAPNAP) ~ National Association of County and City Health Officers (NACCHO)

Source: American Immunization Registry Association. (2003). Snapshots: Immunization registries [Special edition for public and private providers]. Retrieved from <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/2009/2009report.shtml>

Montana IIS History

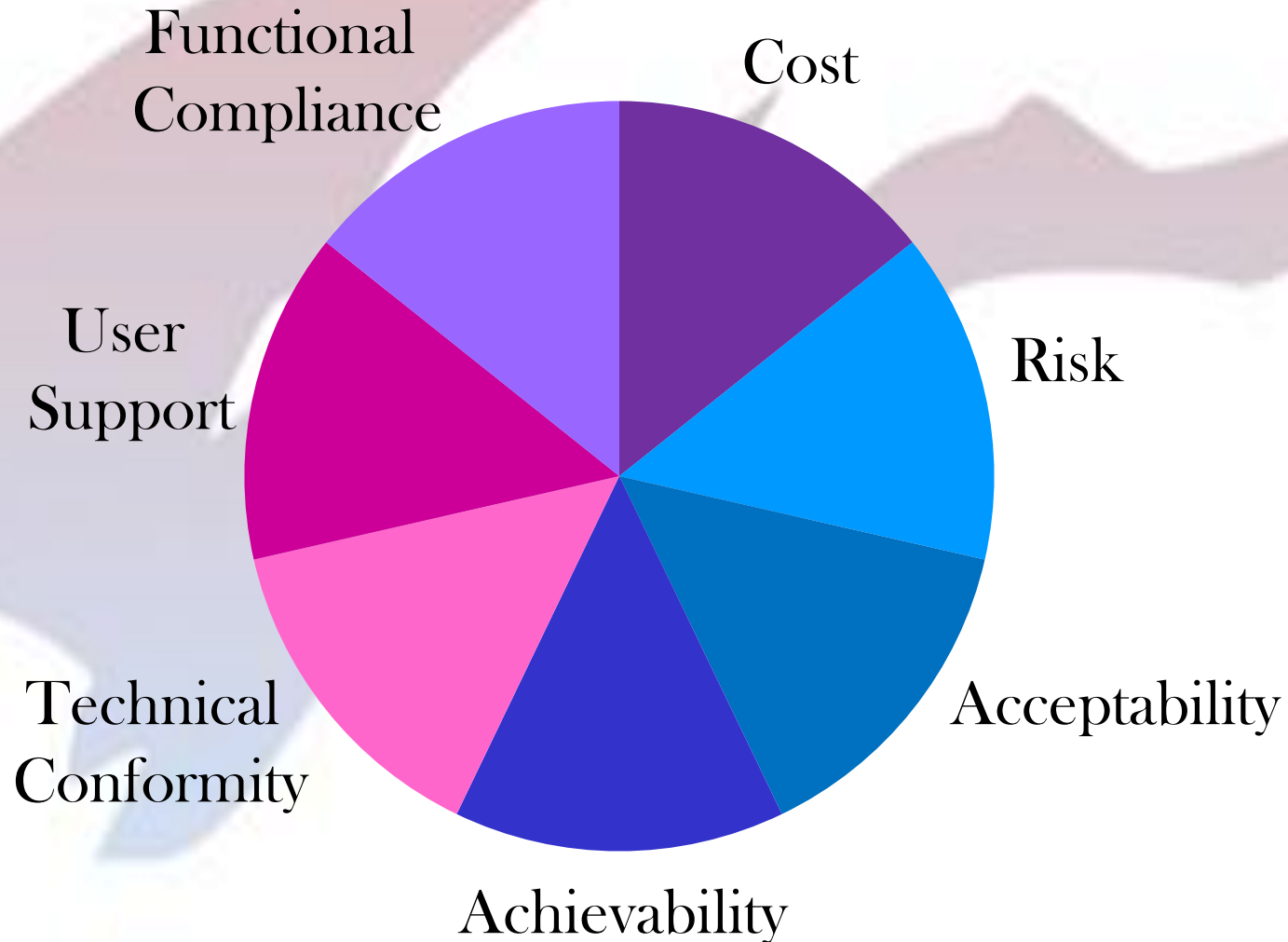


Montana IIS Project History











































Research Conducted Before Procuring a New IIS...

- ▶ Assess Current IIS Practices
- ▶ Identify IIS Best Practices
- ▶ Gather Stakeholder Input
- ▶ Develop Criteria for Evaluating IIS Alternatives

IIS Evaluation Criteria



IIS Alternatives Evaluation

Guiding Principles	Maintain WIZRD/ PHDS	Enhance WIZRD/ PHDS	Procure COTS Solution	Transfer a Version of WIR	Transfer Custom Built Registry	Develop Custom Built Registry
Supports a stable infrastructure for efficient data exchange and management						
Maintains a complete and accurate immunization record for every Montanan						
Promotes continuous quality improvement						
Accessible and efficient for all end users						
Streamlined, effective & ongoing user support						
Comprehensive, useful, reliable & flexible reporting capabilities						
Full policy & administrative support						

Top Two Alternatives: COTS & WIR

Procure COTS Solution	Transfer a Version of WIR
●	●
●	●
●	●
●	●
●	●
●	●
●	●

- ▶ WIR Scored \geq the than COTS for 6 of 7 Evaluation Criteria
 - ▶ Cost, Risk, Acceptability, Technical Conformity, User Support & Functional Compliance
- ▶ WIR Uses DPHHS Technologies
 - ▶ Java & Oracle
- ▶ WIR Cost Savings
 - ▶ Code is Without Cost to States
 - ▶ Cost is in Customization & Implementation
- ▶ WIR Reputation
 - ▶ Most Used IIS in the United States

WIR: Top IIS Alternative

- ▶ **Hewlett Packard (HP)**
 - ▶ Developed WIR
 - ▶ Implemented & Supports WIR in Arkansas, Georgia, Hawaii, Minnesota, Nebraska, New Mexico, New York, North Carolina, Oregon, Puerto Rico, Virgin Islands, Virginia & Wisconsin
- ▶ **Scientific Technologies Corporation (STC)**
 - ▶ Implemented & Supports WIR in Maine
- ▶ Submitted Proposals Were Reviewed
- ▶ STC Awarded \$412,000 Contract for WIR-Maine System

imMTrax Project Schedule

December 2010

Project Contract
Awarded

February - June 2011

System Construction
& Conversion

September 2011

User Training &
Transition

January 2011

Customization
Analysis

August 2011

System Testing

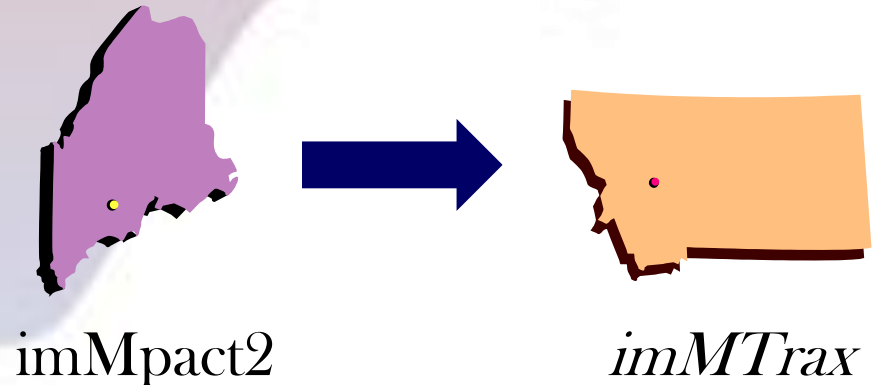
October 2011

imMTrax Goes
Live!

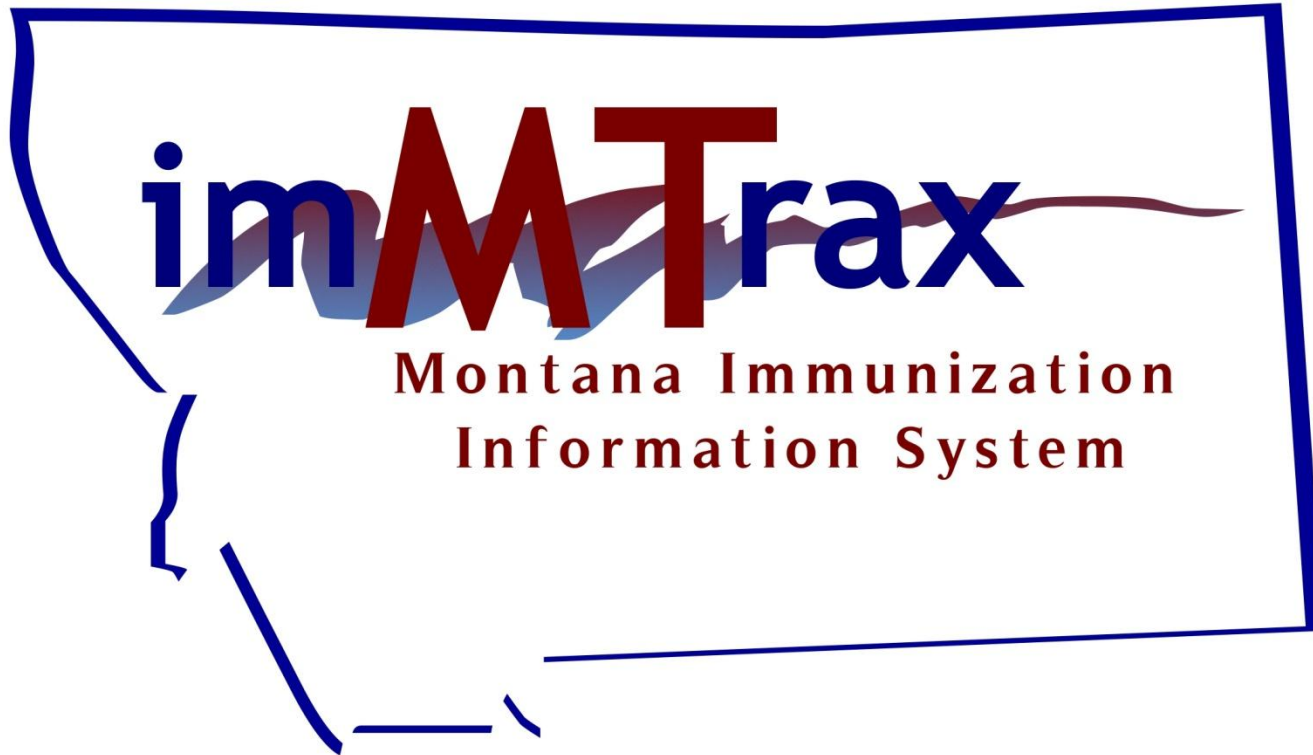
WIR-Maine To *imMTrax*

Phase One Projects:

- ▶ Branding- *imMTrax*
- ▶ Data Clean Up & Transfer
- ▶ Security Changes
- ▶ HES-101 School Entry Form
- ▶ Filtering by County
- ▶ VFC Provider Profile



imMTrax: Montana's Enhanced IIS



imMTrax Benefits: Parents

Participating in *imMTrax* Can Help....

- ▶ Improve Their Child's Medical Care
- ▶ Preserve Their Child's Immunization History
- ▶ Make Their Child's Immunization Record More Accessible
- ▶ Keep Their Child on Schedule



imMTrax Benefits: Public Health

imMTrax Can Help...

- ▶ **Stop the Emergence of Vaccine-Preventable Diseases**
 - ▶ Who Needs to Be Immunized
 - ▶ What Immunizations Are Needed
 - ▶ Outreach via Reminder Notices
- ▶ **Prevent Over & Under-Immunization**
- ▶ **Ensure Records are Safe in the Event of Man-Made or Natural Disaster**
- ▶ **Reduce Unnecessary Spending**
 - ▶ Cost Savings of Immunizations
 - ▶ Cost Savings of IIS



imMTrax Benefits: Providers

Participating in *imMTrax* Can Help...

- ▶ Improve the Quality of Patient Records
- ▶ Improve the Quality of Patient Care
 - ▶ Identify Under-Immunized Children in Your Practice
 - ▶ Provides Patients With Maximum Immunity (By Following ACIP Rec.)
 - ▶ Prevent Over and Under-Immunization
 - ▶ Increase Clinic Coverage via Reminder/Recalls



imMTrax Benefits: Providers

- ▶ Improve Clinic Efficiency & Increase Cost Savings
 - ▶ Decrease Time Spent Obtaining Records from Other Providers
 - ▶ Easily Print Official Records & School Forms
 - ▶ Streamline VFC Duties
 - ▶ Receive Credit for “Meaningful Use” in Electronic Data Exchange



imMTrax Training & Support: Upcoming Projects

- ▶ Constructing *imMTrax* website
 - ▶ For Parents, Community Members, Schools & Providers
 - ▶ www.immtrax.mt.gov
- ▶ Updating Educational Materials
- ▶ Testing the Debut System



imMTrax Training & Support: Upcoming Projects

- ▶ Constructing Online Training Modules
- ▶ Drafting a *imMTrax* User References
 - ▶ User Handbook
 - ▶ Quick Guides
- ▶ Developing a Training Plan
 - ▶ User Assessment
 - ▶ Online Training
 - ▶ Face-To-Face Training



imMTrax Project Schedule

December 2010
Project Contract
Awarded

February - June 2011
System Construction
& Conversion

September 2011
User Training &
Transition

January 2011
Customization
Analysis

August 2011
System Testing

October 2011
imMTrax Goes
Live!

Thank You!

- ▶ Questions?

- ▶ Bekki Wehner

- ▶ IIS Manager

- ▶ (406) 444-9539

- ▶ bwehner@mt.gov

- ▶ Jennifer Hepner

- ▶ IIS Training and Support

- ▶ (406) 444-4560

- ▶ jhepner@mt.gov

