

Learning objectives

- Describe new IRIS functionality, as well as provide feedback on suggested improvements
- Describe the process to initiate electronic data exchange between IRIS and an electronic health record system
- Describe how IRIS impacts the Vaccine for Children (VFC) program including inventory, vaccine ordering and provider profiles

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Quiz

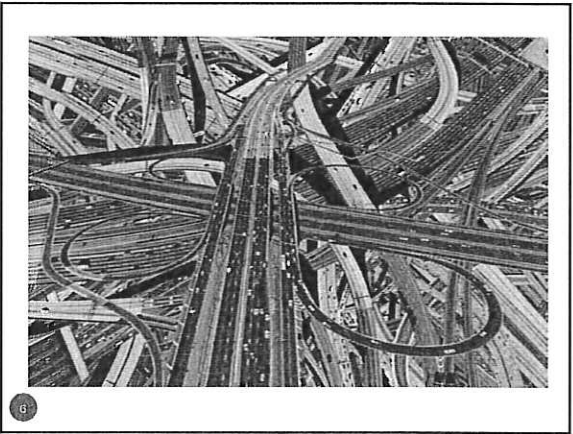
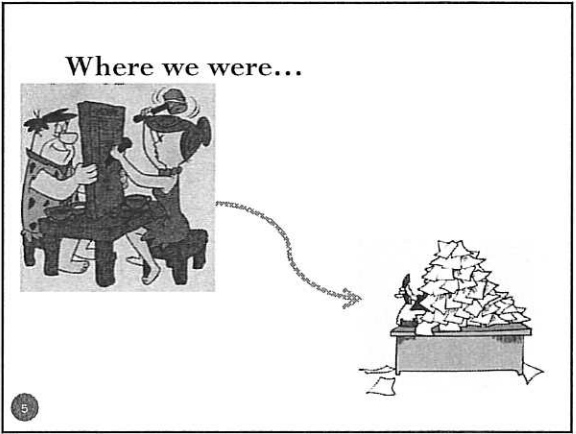
- Is use of IRIS required by Iowa health care providers?
- What year did IRIS become available to all Iowa providers?
- What ages of patients can be added in IRIS?
- How many patient records are in IRIS?

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Answers

- Is use of IRIS required by Iowa health care providers? **Only by pharmacists**
- What year did IRIS become available to all Iowa providers? **2001**
- What ages of patients can be added in IRIS?
All ages
- How many patient records are in IRIS? **3,825,610**

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Enhancements to IRIS since 2012

- Password reset
- Flu prebook
- Wastage and returns
- Inventory management and data quality tools
- Locked patient records no longer displayed on reports
- VFC Annual Re-Enrollment
- School and Child Care Audits
- Changes to patients' active status
- New vaccines added (Mening B, quadracel)
- New refusals added (mening B, zoster, pneumo poly)

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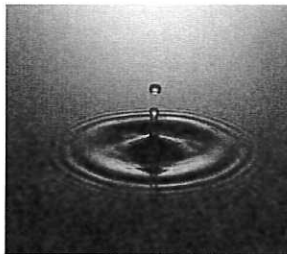
IRIS – by the numbers*

- Total number of immunizations: 34,769,648
- Total number of patients: 3,825,610
- Organizations enrolled in IRIS - 2,508
 - 175 new organizations enrolled in 2015
 - 132 so far in 2016
- Total number of registered users: 13,482
- Total number of organizations conducting data exchange with IRIS: 829 (as of Sept. 2016)

*Data reported as of 08/31/16

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My data entry into IRIS feels like...



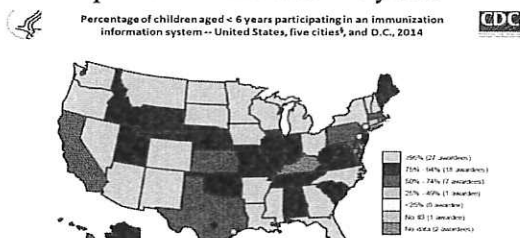
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Number of Iowans in IRIS by Year

Year	Iowa Patient Records in IRIS	Population of Iowa*	Percent of Iowa population in IRIS
2015	2,765,966	3,026,380	91
2014	2,524,059	3,024,770	83
2013	2,328,983	3,022,322	77
2012	2,136,380	3,018,988	71

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Participation in the IIS: < 6 years



National Participation: 88% (excluding Territories)

Source: CY2014 IISAR

1 Chicago, IL; Houston, TX; New York, NY; Philadelphia, PA; San Antonio, TX

Iowa: 95.5%

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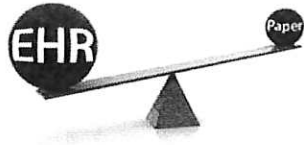
Adult records in IRIS*

Year	# of adults in IRIS over age 19 years	Percentage of adults in IRIS
2015	2,119,242	91%
2014	1,922,051	82%
2013	1,708,112	74%
2012	1,533,507	66%
2011	1,492,645	66%

*IISAR data: Proportion of adults over 19 years in Iowa and in IRIS with 1 or more adult immunization recorded

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Where we are now...



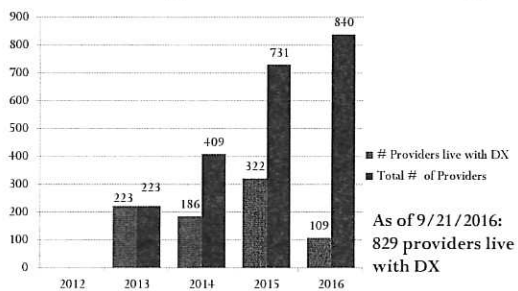
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History of data exchange with IRIS

2012	<ul style="list-style-type: none"> Iowa transitioned from home-grown IIS to WIR on June 4 Iowa received PPHF interop funds
2013	<ul style="list-style-type: none"> First providers began sending production data
2014	<ul style="list-style-type: none"> Interop responsibilities were transitioned to existing contracted IRIS trainer Iowa received additional PPHF interop funds
2015	<ul style="list-style-type: none"> Iowa hired the IRIS trainer/interop analyst
2016	<ul style="list-style-type: none"> Continue provider onboarding, testing, etc.

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Iowa's Progress with Data Exchange



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Iowa's onboarding process

- New data exchange provider completes the [IRIS Data Exchange Onboarding Form](#)
 - Iowa uses this form as the Stage 2 MU Registration of Intent
- Kickoff call with provider, vendor, and IRIS
 - Review onboarding form
 - Discuss testing and connection processes
 - Answer questions
 - Summary of call sent within 24 hours
- Testing process goes back and forth
- IDPH works on provider's timeline (no queue in Iowa)

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Iowa's testing process



Clinic responsibility:

- Email IDPH when new messages are ready to review
- Apply previous feedback to new files
- Send data to IRIS for 2-3 week period with few/minimal errors
- Complete a Go-Live checklist prior to date set

IDPH responsibility:

- Focus on vaccine accountability and doses deducting from inventory
- Review production data and match test files with current inventory
- Review/approve Go-Live Checklist

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Lessons Learned

- IDPH will not compromise on quality testing due to pressure from provider or vendor to 'go live'
- EHRs have inventory tracking functionality
- The fastest implementations share these traits:
 - OB/GYN offices
 - Do not track inventory in IRIS
 - Do not participate in VFC
 - Administer few combination vaccines
 - Administer limited type and volume of vaccines

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What you enter in IRIS matters!!

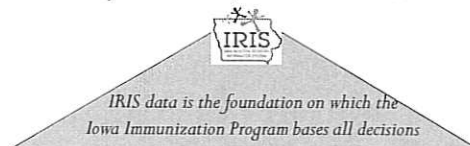
- IRIS patient records comprise permanent medical records
- Users cannot falsify patient records, such as picking a lot # other than what the patient actually received
- IRIS is a statewide repository, and data is used for many purposes
- IDPH may terminate organization or individual user's access



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Impact of IRIS on the Vaccines for Children (VFC) Program

- Inventory
- Vaccine ordering
- VFC provider profiles, including ages of children served by eligibility type
 - Eligibility sent (or not) via data exchange impacts this too
- Annual reports at the local, state and federal levels



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Future enhancements to IRIS

1. Refugee Health Module
2. Interstate Data Exchange
 - a) Nebraska, Wisconsin, Minnesota
3. HL7 2.5.1 – Data exchange messaging with newest implementation guide

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Future enhancements to IRIS

4. Add more space for mening on IRIS reports
5. Develop reports for school and child care audits
6. Link with Vital Records for automated removal of deceased patients
7. New assessment functionality

We would like to hear from you!

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Additional resources

- IRIS Help Desk: 800-374-3958
- Monthly Q&A webinars
- List serve:
join-IRISUSERS@lists.ia.gov



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Thank you!



IRIS Help Desk, 800-374-3958:
X1 Cindy Oliver
X2 Tory King
X3 Joey Zehner
X5 Kim Tichy

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IRIS Resources

- **IRIS Help Desk: 800-374-3958**
- **IDPH IRIS web page, with instructions, training handouts, and webinar schedule:**
<http://idph.iowa.gov/immtb/immunization/iris>
- Form to designate new Admin users:
https://iris.iowa.gov/docs/site_agreement.pdf
- Form to designate new Standard users:
https://iris.iowa.gov/docs/individual_agreement.pdf

IRIS Training Videos under the Training tab (<https://iris.iowa.gov>)

Basic Training:

- Accessing IRIS
- Administrative Users
- Managing Patients
- Understanding the History/Recommend Page
- Adding Immunizations
- Generating Patient Specific Reports
- Mass Vaccination Entry

School:

- School Users

Vaccine Management:

- Vaccine Inventory

Reports:

- Generating Advanced Reports
- Generating Ad Hoc Reports

Data Exchange:

- Messaging (Part 1)
- Messaging (Part 2)
- Uploads