

Ryan White Services Report (RSR) Data

Are They Complete? Are They Right?
Do They Reflect Your Program?

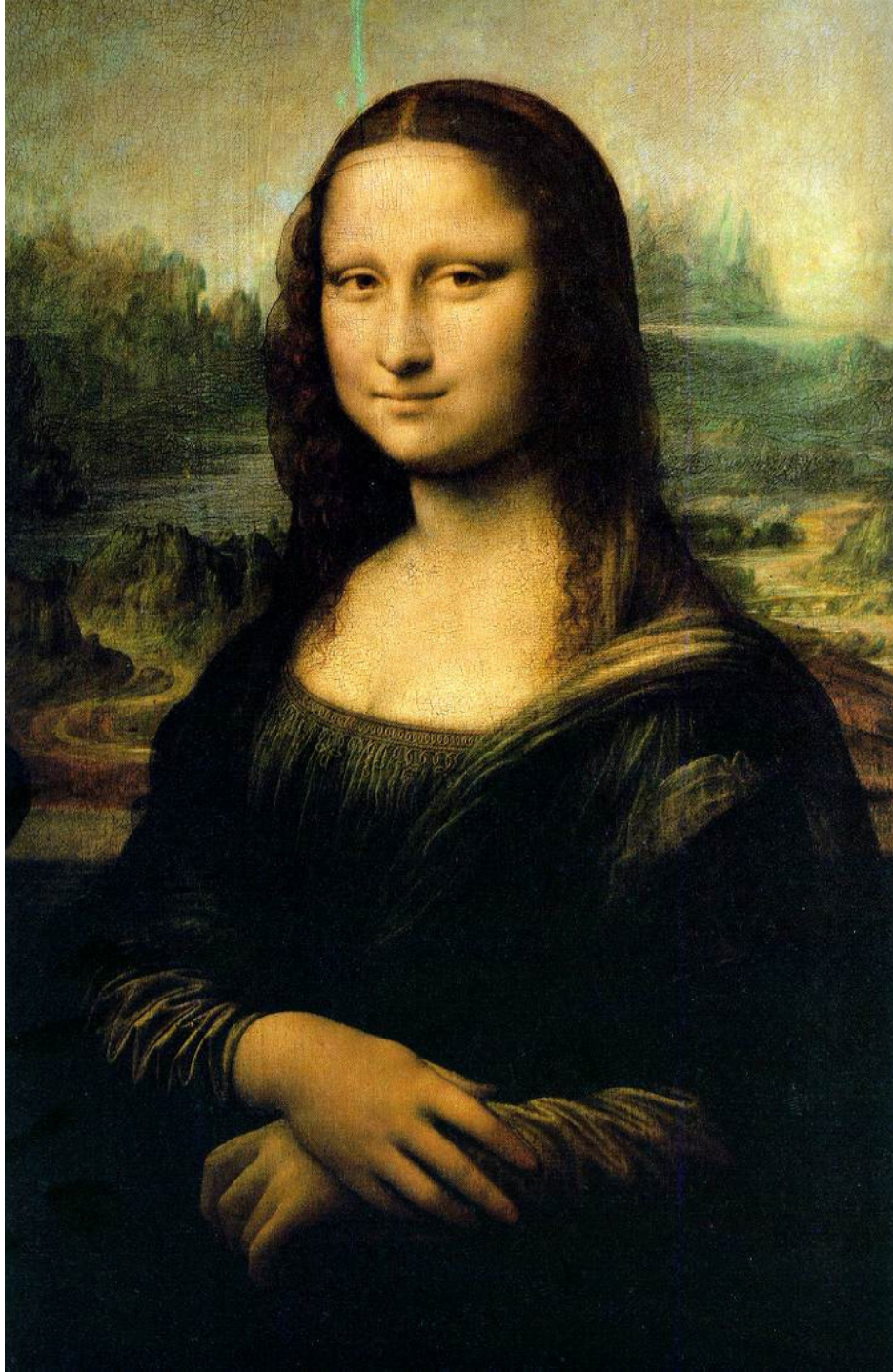
2010 Grantee Training

Outline of Today's Presentation

- The Importance of Data Quality
- Are Your Data Complete?
- Are Your Data Right?
- Do Your Data Reflect Your Program?

Quality of Data Versus Quality of Care

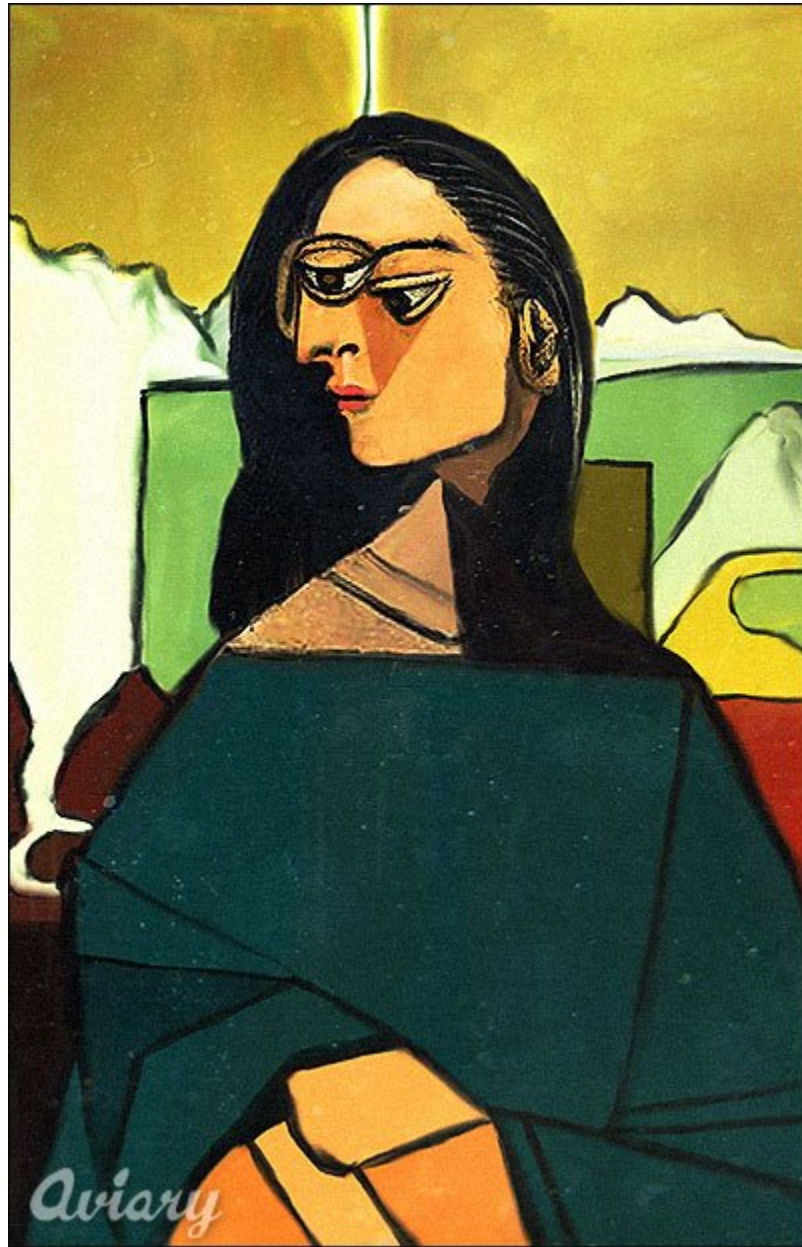
- Two different things
 - Quality of data = Accuracy and timeliness of your data
 - Quality of care = What your program is doing compared with what it should be doing
- HAB is currently analyzing:
 - Quality of data
 - Not, quality of care







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Data Quality Questions

- Before you send the data files – ask yourself, and your program staff, these questions:
 - Are your data complete?
 - Are your data right?
 - Do they reflect your program?

Are Your Data Complete?

Everyone Gets a Completeness Report

- A Completeness Report is available on the RSR System within the EHB
- Each provider who submitted a client-level data XML file has a report
- Each grantee can obtain reports with data from one or multiple providers

The Main Indicator in the Report is the Completeness Rate

- The percentage of required clients that were reported, including Unknown
- Example
 - Total number of eUCIs = 100
 - Required for #64 (Pregnant) = 22 (female)
 - Reported = 15
 - $15/22 * 100 = 68\%$

How to Evaluate a Completeness Report

- Use the Distribution of 2009 Completeness Rates to evaluate your completeness rates
- Does the provider have a poor completeness rate compared to other providers?
 - Is the rate above or below average?
 - Did most providers have the data element complete?
- Does the provider have just one or two data elements that had issues or whole groups of data elements?
- Does the provider have many Unknowns?

Discussion

- Which data elements have low rates?
- Why are those data elements problematic?
- What can you do to help your providers improve their rates?

Learn More

- Accessing and interpreting Completeness Reports webcast (January 12):
<http://careacttarget.org/webcasts.asp#rsr>
- Small group discussions to brainstorm strategies for improvement (Exploring Your Completeness Reports)
- We are available during TA hours to review your reports with you

Are Your Data Right?

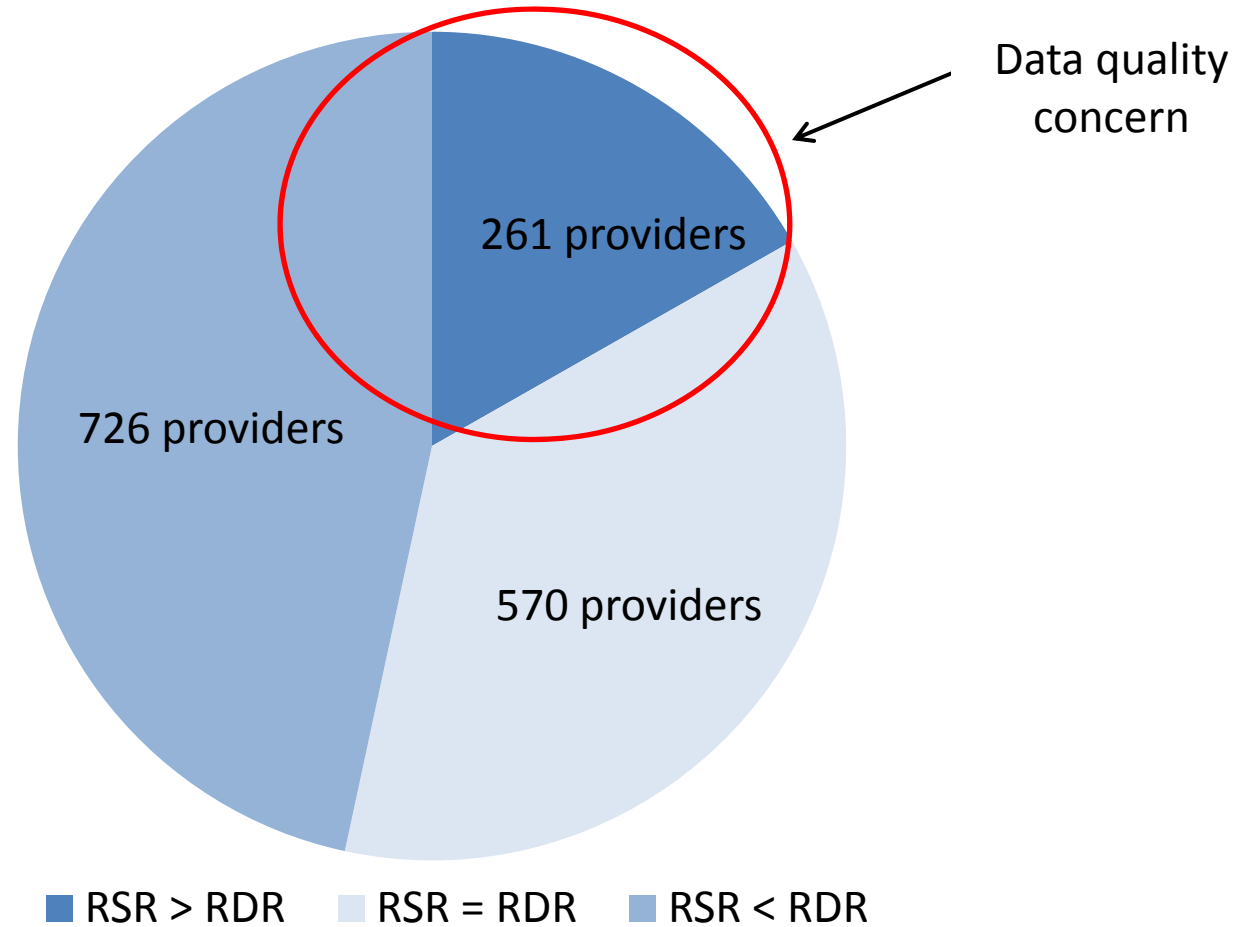
Multiple Quality Checks

- Inconsistencies across the RDR and the RSR
- Inconsistencies within the RSR (Data Validation)

RSR and RDR Relationships

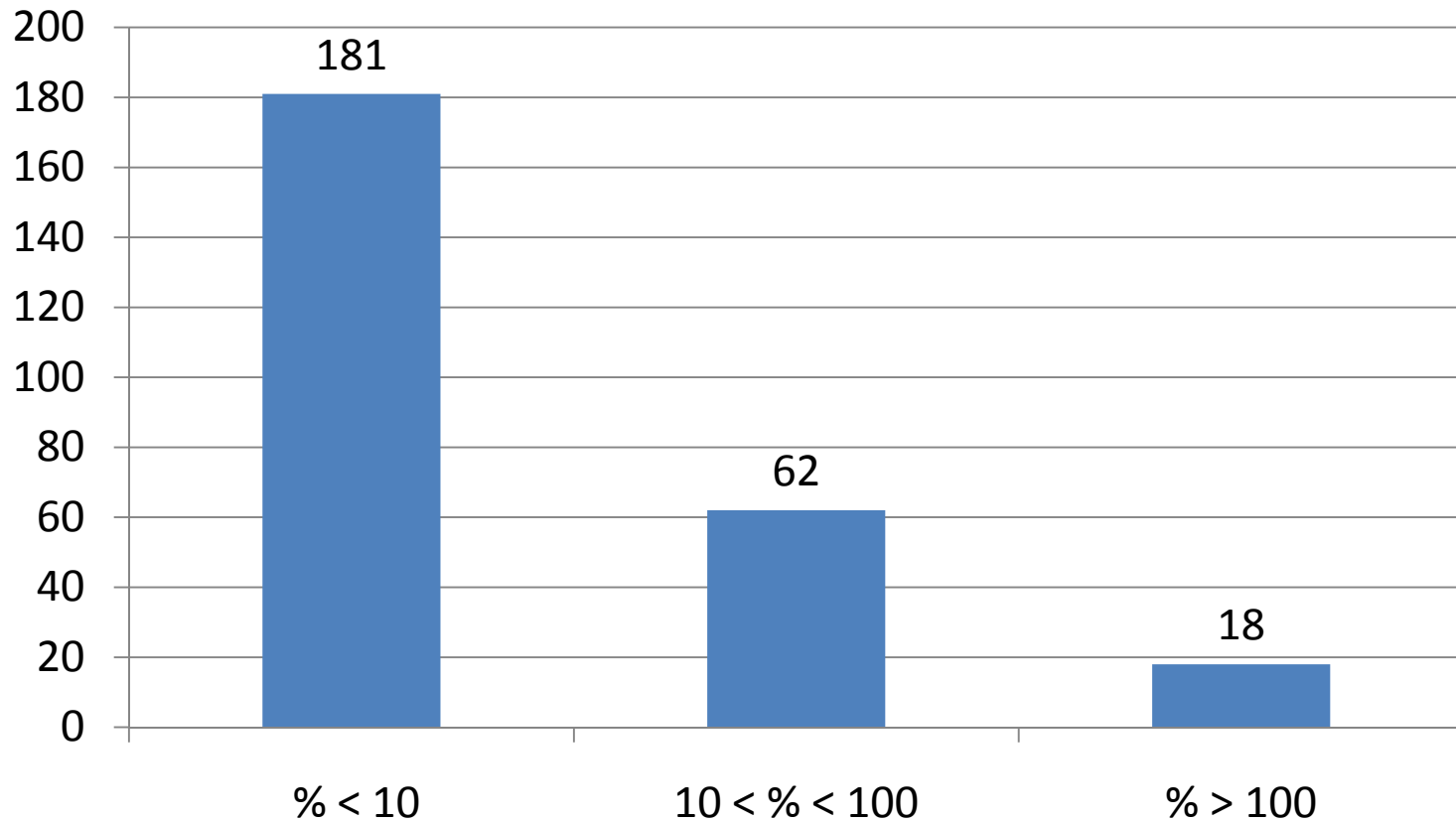
- Differences in reporting scope:
 - RDR Preferred Scope: Clients who received a service eligible for Ryan White funding
 - RSR Scope: Clients who received a service that was funded, at least partially, through the Ryan White Program
- Therefore, at the provider level, expect RSR unduplicated client counts less than or equal to RDR unduplicated client counts

RSR Counts versus RDR Counts



Of the 261, Most Are Close

Number of Providers within Percent Difference Ranges



Was it the RDR or the RSR?

Comparisons across the 2008 RDR, 2009 RDR, and 2009 RSR:

- If 2008 RDR = 2009 RSR, problem involves the 2009 RDR
- If 2008 RDR = 2009 RDR, problem involves the 2009 RSR
- If there are inconsistencies across the 2008 RDR, 2009 RDR, and 2009 RSR, problem involves both reports

What Might Be Causing This Problem?

- Incorrect assignment of the UCI
- Including ineligible clients in the RSR
 - Clients who did not receive a funded service
 - Clients who received a service ineligible for reporting (e.g. HIV testing)
 - Clients who were seen by the provider umbrella agency, but not the specific provider
- Incorrectly merging files from multiple systems

Data Validation

- Dates after file upload
- Dates that fall outside of the reporting period
- Dates before client birth
- Dates after client death
- “First” service not the first

HAB's Data Quality Improvement Strategy

HAB Plan of Action for Incomplete Data

- Continue completeness work
- Recalculate 2009 completeness report
- Encourage the Ryan White Community to run reports to facilitate monitoring of program data and data quality

HAB Plan of Action for RSR/RDR Inconsistencies

- Contact grantees with providers with a difference greater than 10%
- Grantees inform providers
- HAB, TA contractors, and grantees assist providers to ensure the successful submission of the 2010 RSR

HAB Plan of Action for Data Validation

- Provide validation for data collected in 2011 – to grantees, software vendors, other Ryan White stakeholders
- Encourage RSR software vendors to roll out validation for data collected in 2011
- Place validation in the upload software
- Grantee outreach
- Incorporate validation function in T-REX

Group Exercise

Do Your Data Reflect Your Program?

Calculate Group 1 Performance Measures with CLD

Measure	Description
ARV therapy for pregnant women	% of pregnant women on therapy
CD4 T-cell count	% of clients with HIV/AIDs who had 2 or more CD4 T-cell count test in the measurement year
HAART	% of clients with AIDS who were prescribed HAART regime
Medical visits	% of clients with HIV infection who had two or more medical visits in an HIV care setting in the measurement year
PCP prophylaxis	% of clients with HIV infection and a CD4 T-cell count below 200 cells/mm who were prescribed PCP prophylaxis

CLD Data Elements Used to Calculate Measures

Measure	Denominator	Numerator
ARV therapy for pregnant women	Current gender (#7) Was the client pregnant (#64)	Was the client prescribed HAART (#52)
CD4 T-cell count	All reported clients	Value and test date of CD4 cell counts (#49)
HAART	HIV/AIDS status (#12)	Was the client prescribed HAART (#52)
Medical visits	All reported clients	Outpatient/ambulatory care visit dates (#48)
PCP prophylaxis	Value and test date of CD4 cell counts (#49)	PCP prophylaxis (#51)

Example: ARV Therapy for Pregnant Women

- 100 reported clients
- 47 female (#7)
- **Denominator:** 13 pregnant (#64)
- **Numerator:** 11 pregnant (#64) and on HAART (#52)
- **Percentage:** $11/13 = 85\%$

Answer the Following Questions

- Which percentages are lower and higher than expected?
- Why?
 - Is my data system not **capturing** the data necessary to properly reflect my program?
 - Is my data system not **reporting** the data necessary to properly reflect my program?
- How can I improve my system to better capture and report data?

Summary of Ways to Improve Your Data Quality

Identify Problems

- Download and review your Completeness Reports
- Use T-REX as a tool to identify challenges early
- Keep an eye out for emails from the TA group
- Calculate your Group 1 Performance Measures

Investigate and Fix Problems

- Contact your provider
- Work with us, IT staff, your providers and vendors
- Stay informed about vendor system upgrades involving validations