



MLN ConnectsTM

National Provider Call

CMS National Dry Run

Standardized Readmission Ratio (SRR) Measure

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Presenters:

Joel Andress, CMS

Tempie Shearon, UM-KECC

Jennifer Sardone, UM-KECC



Agenda

- Introduction and Roles
- Dry Run Website
- SRR Measure Description
- Report Details
- Next Steps
- Questions and Comments

Introduction and Roles

Introduction and Roles

- Centers for Medicare & Medicaid Services (CMS)
- University of Michigan Kidney Epidemiology and Cost Center (UM-KECC)

Dry Run Website

General Information

- www.DialysisData.org
- Results
 - Facility-specific report
 - Discharge-level data available by request
- Resources
 - Methodology report, FAQs, other background materials available on homepage
 - Help Desk: 1-855-764-2885 or dialysisdata@umich.edu

Dry Run Website

www.DialysisData.org

- To access the dry run report, you will need a user account for the www.dialysisdata.org website
- If you do not have a user account, contact the Master Account Holder at your facility. If you don't know who this is, please contact the dry run helpdesk

Dry Run Website

HOME COMMENTS & INQUIRIES SRR MY ACCOUNT LOG OUT

Home / Comments & Inquiries

Comments & Inquiries

Request Type *
- Select a value -

Your Facility *
- Select a value -

Your Name *
Jennifer Sardone

Your Email *

Comment *

[Save Draft](#) [Submit](#)

Currently logged in as
jmsto@med.umich.edu

As a dialysisdata.org user, you may view reports that you have been granted access to, update your contact information, and submit comments or requests for site support via the comment form.

If you would like to create users, please logout and log back in with a master account holder login.

You will be automatically logged out after the timer below expires

00:29:59
[Reset Timeout](#)

FAQ Categories

- [General Questions](#)
- [Log-In Questions](#)
- [Measure Methodology](#)

SRR Measure Description

SRR Measure Description

Readmission Definitions

- Index discharge: a hospital discharge eligible to be followed by a readmission
- Readmission: an unplanned hospitalization occurring within 30 days of an index discharge; a readmission can also be an index discharge
- Readmission rate: the fraction of index discharges followed by a readmission

SRR Measure Description

Standardized Readmission Ratio (SRR)

- Compares the number of readmissions observed at a facility with the number of readmissions expected given the number of index discharges
- Expected readmissions come from a model predicting whether an index discharge with particular characteristics will be followed by a readmission

SRR Measure Description

Data Sources

- Population: Hospitalizations from Medicare claims data for dialysis patients discharged in calendar year 2012
- Patient Demographics: Consolidated Renal Operations in a Web-enabled Network (CROWN), CMS 2728
- Past-year Patient Comorbidities: Medicare claims (inpatient, outpatient, dialysis facility, hospice, home health, SNF)

SRR Measure Description

Exclusions

- Excluded from index discharges:
 - Not Medicare covered
 - Patient died during hospitalization or within 30 days of discharge (no readmission)
 - Patient transferred to another acute unit
 - Patient ended hospitalization against medical advice
 - Occurred at a PPS-exempt cancer hospital
 - Involved a primary diagnosis of certain conditions related to cancer, psychiatric causes or rehabilitation
 - Hospitalizations following a patient's 12th discharge in a year
- Excluded from readmissions:
 - Planned readmissions
 - Maintenance chemotherapy and rehabilitation
 - Non-acute readmissions for planned procedures

Readmission Model

- We model the readmission rate using a hierarchical logistic regression model
- Risk adjustments include:
 - Age
 - Sex
 - Past-year comorbidities
 - BMI at ESRD incidence
 - Duration of ESRD as of discharge date
 - Diabetes as cause of ESRD
 - Presence of high-risk diagnosis
 - Length of index hospital stay
 - Discharging hospital
 - Dialysis facility to which patient was discharged

SRR Measure Description

SRR Calculation

- The SRR is the observed (O) number of readmissions divided by the expected (E) number of readmissions

$$\text{SRR} = \text{O}/\text{E}$$

- SRR is calculated only for facilities with at least 11 index discharges in the time period

SRR Measure Description

Interpretation of SRR

- A value larger than 1 ($SRR > 1.00$) indicates that the facility's observed readmission rate is higher than would be expected given the patient mix
- A value smaller than 1 ($SRR < 1.00$) indicates that the facility's observed readmission rate is lower than would be expected given the patient mix

SRR Measure Description

- In addition to the SRR, we report a 95% interval estimate.
- The 95% interval estimate represents the range of probable values for SRR, taking the uncertainty of the estimate into account.
- This interval and the SRR itself are used to categorize facility performance.

SRR Measure Description

CMS categorizes facilities as follows:

- **“As Expected”** if 95% interval contains 1.00
- **“Better than Expected”** if entire interval is lower than 1.00
- **“Worse than Expected”** if entire interval is higher than 1.00

Report Details

Report Details

Table 1. Your Facility's Performance on the SRR Measure with State and US Comparisons, 2012

	Your Facility	State	US
Readmission Rate (unadjusted)	36%	28%	31%
Standardized Readmission Ratio (SRR)	1.10	1.03	1.00
95% Interval for SRR	(0.88, 1.71)		
P-value	0.639		
Performance Category	As Expected		

Report Details

Table 2. Details of the SRR Calculation, 2012

	Your Facility	Dialysis Facility Averages State (n=139)	US (n=5863)
Patients on 12/31/2012	57	86.3	72.8
Index Discharges <i>(the subset of all discharges that are eligible for calculation)</i>	111	69.5	92.9
30-Day Readmissions <i>(following an index discharge)</i>			
30-Day Unplanned Readmissions	40	22.3	29.0
30-Day Planned Readmissions	6	1.6	1.9
Unplanned Readmission Rate <i>(unadjusted)</i>	36%	32%	31%
Expected Unplanned Readmission Rate	33%	31%	31%*
SRR <i>(unplanned readmission rate/expected unplanned readmission rate)</i>	1.10	1.03	1.00*

*Median

Report Details

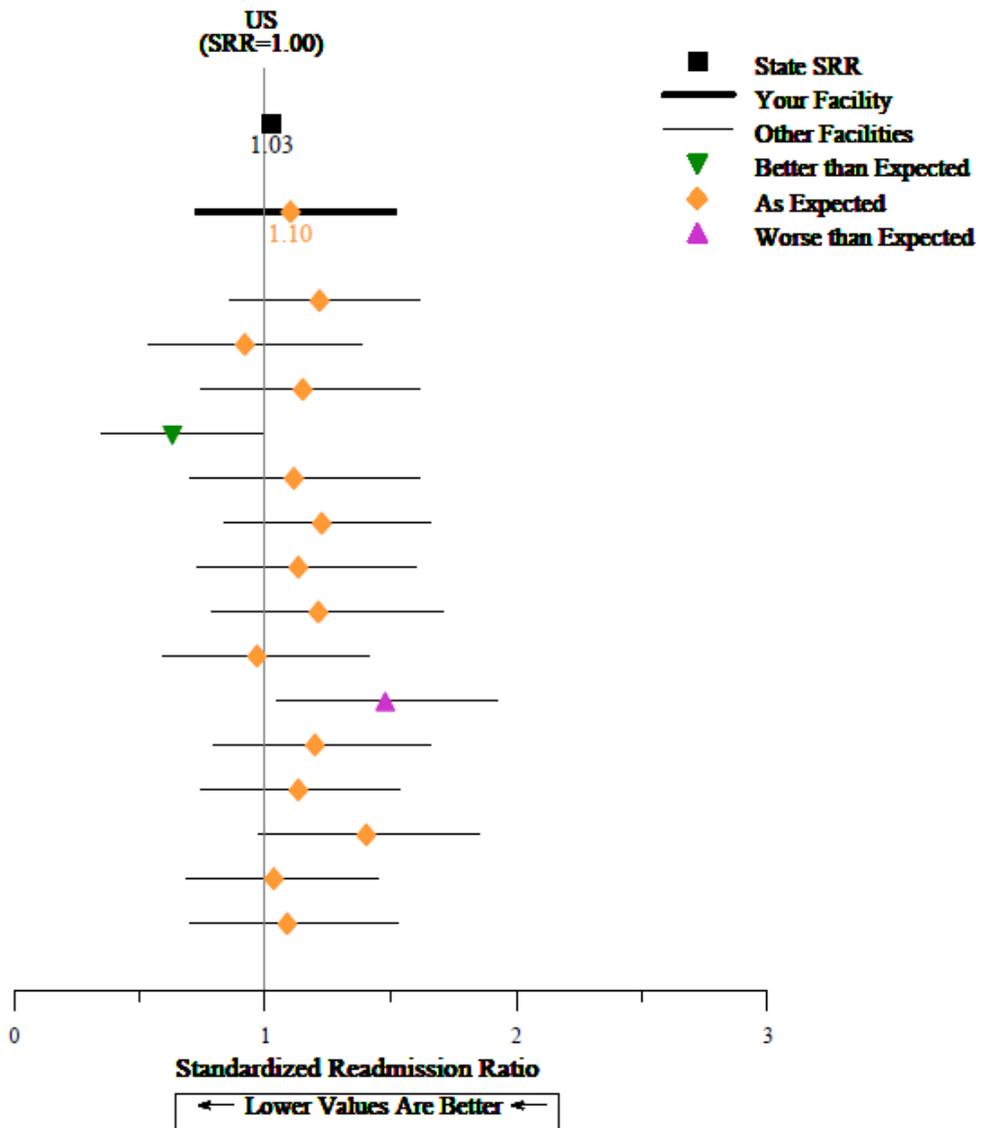
Table 3. Performance Category for Dialysis Facilities in the State and US and Relative Ranking of Your Facility’s SRR, 2012

	State (n=139)	US (n=5863)
Performance Category		
Better than Expected	2 (1.4%)	99 (1.7%)
As Expected	132 (94.3%)	5364 (91.5%)
Worse than Expected	2 (1.4%)	174 (3.0%)
Not Categorized*	4 (2.9%)	226 (3.9%)
Percent facilities with SRRs lower than yours**	59%	68%

*Facilities with <11 discharges in the year.
 **Among facilities with at least 11 discharges in the year.

Report Details

Figure 1. Your Facility's SRR and 95% Interval Compared with Similarly Sized Facilities in the State, 2012



Next Steps

Dry Run Outcomes

By the end of this dry run, our goal is that each participating dialysis facility is:

- Educated about the SRR measure
- Provided with accurate results and data
- Provided with ample opportunity to ask questions about the report

Feedback

- CMS plans to conduct future dry runs as part of the measure development process
- Facilities are strongly encouraged to provide feedback, particularly regarding
 - The functionality of the www.dialysisdata.org website
 - The process of conducting the dry run
 - The usefulness of the dry run report

Feedback

- Comment Period: March 31 – May 2, 2014
- If you have questions or comments about your report, the website, or the dry run process, you can submit your question or comment in any of these three ways:
 - Submit your question on the Dry Run website, www.DialysisData.org
 - Call the dry run helpdesk at 855-764-2885
 - E-mail the dry run helpdesk at DialysisData@umich.edu

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Thank You

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