



*MLN Connects*TM

National Provider Call

CMS National Dry Run

Standardized Readmission Ratio (SRR)
Measure

March 20, 2014



Agenda

- Introduction and Roles
- Motivation
- Dry Run Overview
- SRR Measure Description
- Report Details
- Resources
- 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)

Measures of Hospitalization

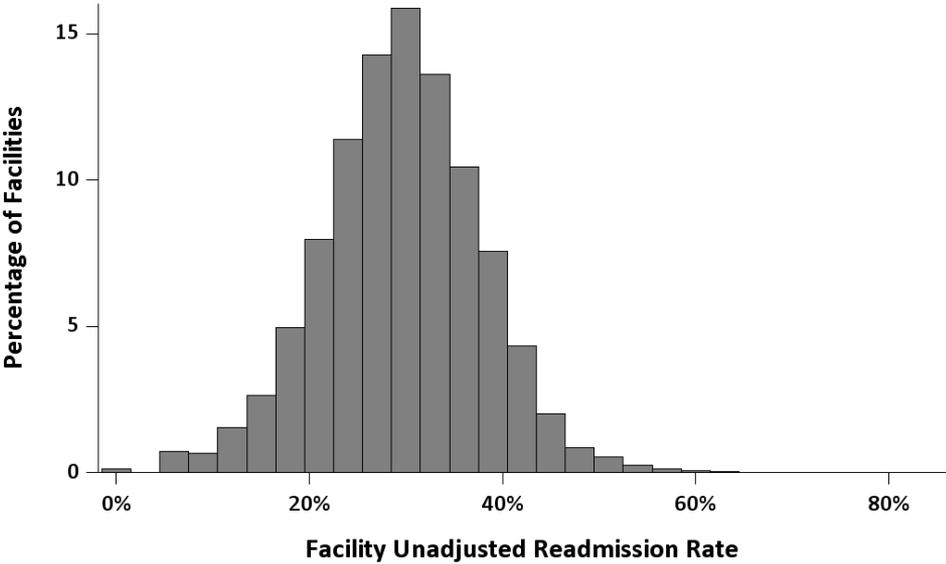
- The Standardized Hospitalization Ratio measures overall hospitalization rates for patients at dialysis facilities
- Hospital readmission is also an important outcome for patients
- Considering the overall hospitalization rate along with the readmission rate provides a more complete picture of how well the facility may be managing patients' care

Motivation

Opportunity for Improvement

- 30-day hospital readmission rate among dialysis patients:
31.0%
- Range:
0.0%–84.6%

Distribution of 2012 Unadjusted Readmission Rate among U.S. Dialysis Facilities (N=5863)



Dry Run Overview

Purpose

- Educate dialysis facilities about the measure
- Provide facilities with historical results and data
- Help facilities interpret results and data
- Facilitate comparison of performance with peers
- Allow facilities to ask questions

General Information

- March 31 – May 2, 2014
- www.DialysisData.org
- Results
 - Facility-specific report
 - Discharge-level data
- Resources
 - Methodology report, FAQs, other background materials available on website
 - Help Desk: 1-855-764-2885 or dialysisdata@umich.edu

Dry Run Overview

2014 Timeline

- **Early March:** Facilities received Master Account Holder passwords
- **March 31:** Readmission reports available to facilities via website, comment period begins
- **April 17:** National Provider Call — Report interpretation and questions
- **May 2:** Reports taken down, comment period closes

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

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)	29%	28%	31%
Standardized Readmission Ratio (SRR)	0.95	0.97	1.00
95% Interval for SRR	(0.67, 1.26)		
P-value	0.757		
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	147	59.1	72.8
Index Discharges <i>(the subset of all discharges that are eligible for calculation)</i>	200	69.5	92.9
30-Day Readmissions <i>(following an index discharge)</i>			
30-Day Unplanned Readmissions	58	19.7	29.0
30-Day Planned Readmissions	7	1.6	1.9
Unplanned Readmission Rate <i>(unadjusted)</i>	29%	28%	31%
Expected Unplanned Readmission Rate	31%	29%	31%*
SRR <i>(unplanned readmission rate/expected unplanned readmission rate)</i>	0.95	0.97	1.00*

Report Details

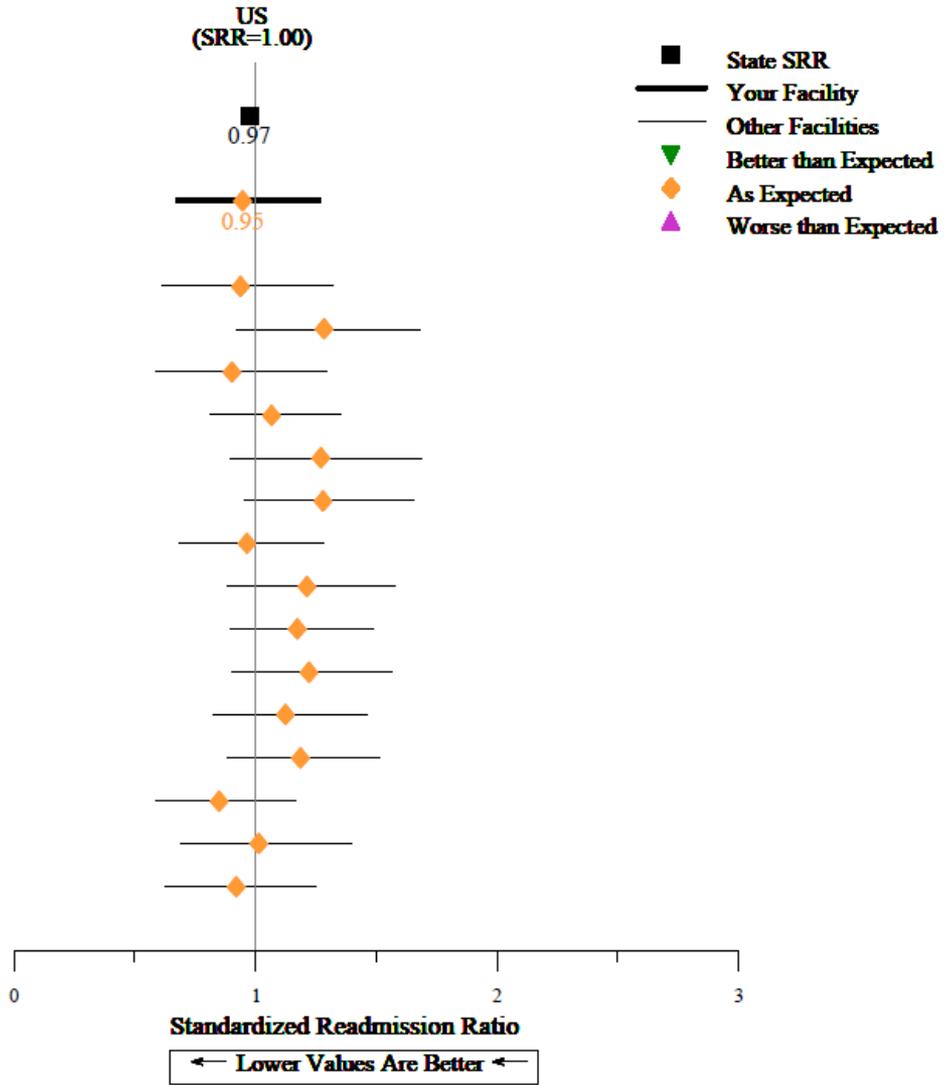
Table 3. Performance Category for Dialysis Facilities in the State and US and Relative Ranking of Your Facility's SRR, 2012

	State (n=139)	US (n=5863)
Performance Category		
Better than Expected	2 (1.4%)	105 (1.8%)
As Expected	129 (92.8%)	5354 (91.3%)
Worse than Expected	2 (1.4%)	178 (3.0%)
Not Categorized*	6 (4.3%)	226 (3.9%)
Percent facilities with SRRs lower than yours**	46%	42%

*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



Resources

Resources

www.DialysisData.org

- By now, each facility should have received a master account password via e-mail.
- This password will allow the master account holder for the facility to create user accounts, similar to the current process used on DialysisReports.org

Resources

www.DialysisData.org

- If your facility has not received a master account password, or if the master account holder for your facility has changed, please contact the dry run helpdesk at 855-764-2885.
- UM-KECC will be verifying the identity of new master account holders with the Facility Director or Administrator of the facility for which the password is being requested.
- **For security purposes, if the Facility Director or Administrator cannot be reached, or if he or she does not approve the new MAH, the password will not be given out to that individual.**

2014 Dry Run for the Standardized Readmission Ratio (SRR) for dialysis facilities



About the Standardized Readmission Ratio

The Standardized Readmission Ratio (SRR) compares the number of readmissions observed at a facility with the number of readmissions expected given the number of hospital discharges. For further information regarding the measure specifications, [download this slideset](#).

Report for the 2014 SRR Dry Run

In 2014, the Centers for Medicare & Medicaid Services (CMS) is conducting a national dry run of the Standardized Readmission Ratio (SRR) for dialysis facilities; results for this measure will be presented in the facility-specific report.

National Provider Call

On March 20, 2014, the University of Michigan Kidney Epidemiology and Cost Center in conjunction with CMS will hold an

FAQ CONTACT US LOGIN

Home

[Log in](#) [Request new password](#)

Dialysis facilities will be receiving their Master Account Holder passwords via e-mail no later than March 14, and will be able to create user accounts at that time. *Please note that the log in credentials for www.dialysisreports.org are not valid on this website.*

E-mail *

Enter your e-mail address. Master Account Holders, use facility ID.

Password *

Enter the password that accompanies your e-mail.

[Log in](#)

FAQ Categories

- General Questions
- Log-In Questions
- Measure Methodology

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Resources

FAQ COMMENTS & INQUIRIES CREATE & EDIT USERS LOGOUT

Home / Create / Edit Users / Create / Edit Users

Create / Edit Users

- Add user
- Add existing user

No users exist under this account. Click the "Add User" button above to create one.

Logout Timer

00:29:59

Reset Timeout

FAQ Categories

- General Questions
- Log-In Questions
- Measure Methodology

User menu

My account

My account

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HOME COMMENTS & INQUIRIES SRR MY ACCOUNT LOG OUT

[Home](#) / Welcome to the Secure DialysisData.org web site!

Welcome to the Secure DialysisData.org web site!

Your report for the SRR dry run will be posted on March 31, 2014. If you have any questions regarding the Dry Run process, please review the Frequently Asked Questions, or contact the helpdesk by using the Comments & Inquiries form.

The helpdesk can also be reached by calling 855-734-2885.

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

00:29:44
[Reset Timeout](#)

FAQ Categories

- General Questions
- Log-In Questions
- Measure Methodology

Resources

DialysisData DIALYSISDATA.ORG

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

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00:29:59
Reset Timeout

FAQ Categories

- General Questions
- Log-In Questions
- Measure Methodology

Questions and Comments

Questions and Comments

- 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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- We appreciate your feedback.

Thank You

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