

Using HIT to Support Integrated Care
[Using HIT to Support Integrated Care \(ppt\)](#)

Using HIT to Support Integrated Care

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Sharing Information is the Standard

- Health Information Exchanges RULE!
- Integration and improved outcomes will only be successful if we can share information

Addressing Confidentiality

- Common Barrier
- If not addressed, promotes stigma
- Information can be shared securely in RI
- RI leads the nation through its work with the SAMHSA/HRSA Center for Integrated Health Solutions

Using Data for Population Based Interventions

CostRank	Treatment	Total Charges	No of members	Average Charges per Member
1	Community Support Services/15 min	\$2,890,038	218	\$13,257
2	Community Support Services /day	\$1,916,375	181	\$10,588
3	Personal care per diem	\$1,394,614	123	\$11,338
4	Habilitation, prevocational/15 min	\$758,157	104	\$7,290
5	Supported employment/15 min	\$713,680	154	\$4,634
6	Inpatient room and board	\$699,602	90	\$7,773
7	Targeted case management/15 min	\$557,154	689	\$1,009
8	Inpatient- ancillaries	\$494,577	81	\$6,878
9	Case management/ 15 min	\$438,577	470	\$1,052
10	Emergency room	\$356,478	247	\$1,776
11	Psych medication management	\$356,478	1,086	\$328
12	Inpatient-facility charges	\$288,479	52	\$5,548
13	Labs	\$287,935	437	\$659
14	ACT program	\$286,773	115	\$2,494

CostRank	Treatment	Total Charges	No of members	Average Charges per Member
15	Medical supplies	\$241,812	156	\$1,550
16	Family therapy	\$221,136	181	\$1,222
24	Office visits - primary care	\$154,773	616	\$215
29	Surgery	\$105,085	98	\$1,072
36	Ambulance	\$54,581	67	\$815

Table of top cost by diagnosis, January-March,2006

Cost Rank	Primary Diagnosis	Total Charges	No of Members	Average Charges Per Member
1	Schizophrenia and Affective Psychosis	\$6,167,527	1,102	\$5,597
2	Depression/Anxiety/Neuroses	\$1,710,759	347	\$4,930
3	Moderate Mental Retardation	\$1,040,669	112	\$9,292
4	Severe Mental Retardation	\$1,032,094	74	\$13,947
5	Profound Mental Retardation	\$982,760	39	\$25,199
6	Mild Mental Retardation	\$709,344	131	\$5,415
7	Alcohol and Drug Abuse	\$283,077	177	\$1,599
8	Pregnancy	\$183,653	39	\$4,709
9	Congestive heart Failure	\$168,130	7	\$24,019
10	Chest Pain	\$161,260	65	\$2,481
11	All Fractures and Dislocations	\$137,901	19	\$7,258
12	Diabetes Mellitus	\$134,161	42	\$3,194

Cost Data by Primary Diagnosis

[Total Charges By Primary Diagnosis, January-March, 2006 \(ppt\)](#)

Cost By Service Type

[Top Cost By Treatment Type, January-March,2006 \(ppt\)](#)

Using Data for Individual Interventions

High Utilizer Report

- 3 consumers with an average cost of \$272,652 each
Drill down: Consumer with brittle diabetes and personality disorder - frequent ER and inpatient
- 4 consumers with average cost of \$236,434 each
Drill down: Consumer with SUD without motivation & personality disorder; multiple complex medical conditions
- 4 Consumers with average cost of \$85,867 each
Drill down: Consumer with SUD- frequent detox ;lack of community services

- [Case #1 - Service Primary Diagnoses, Diagnoses Description, and Charge \(ppt\)](#)

MU Stage 2 Behavioral Health Outcome Measures

[Center for Disease Control and Prevention, Sortable Statistics \(ppt\)](#)

Measuring Disparities

At Risk Criteria

- Blood pressure combined
Systolic greater than 130 OR Diastolic greater than 85
- BMI
Greater than or equal to 25
- Waist circumference
Male, greater than 102 cm
Female, greater than 88 cm
- Breath CO
Greater than or equal to 10
- Fasting Plasma Glucose
Greater than 100
- HgbA1c
Greater than or equal to 5.7
- Cholesterol
HDL, less than 40
LDL, greater than or equal to 130
Triglycerides, greater than or equal to 150
- Others that the organizations determine
[Indicator Percentages Measuring Disparities \(ppt\)](#)

Issues to Consider

- Who will collect the data?
- Sharing Lab data is a significant workflow issue to resolve
- How will it be shared with the partner organization?
- Via the HIE
- Via Direct
- Other secure method
- Use a standard CCD
- What if the partner does not have a certified EHR?
- Use Meaningful Use Measures

MU Stage 2 Measures

National Quality Forum Measure number and name	Clinical Quality Measure Description
0105 Antidepressant medication management: (a) Effective Acute Phase Treatment (b) Effective Continuation Phase Treatment	<p>The percentage of patients 18 years of age and older who were diagnosed with a new episode of major depression, treated with antidepressant medication, and who remained on an antidepressant medication treatment. Two rates are reported.</p> <p>(a) Percentage of patients who remained on an antidepressant medication for at least 84 days (12 weeks)</p> <p>(b) Percentage of patients who remained on an antidepressant medication for at least 180 days (6 months)</p>
0004 Initiation and Engagement of Alcohol and Other Drug Dependence Treatment: (a) Initiation (b) Engagement	<p>The percentage of patients 13 years of age or older with a new episode of alcohol and other drug (AOD) dependence who received the following. Two rates are reported.</p> <p>(a) Percentage of patients who initiated treatment within 14 days of the diagnosis</p> <p>(b) Percentage of patients who initiated treatment and who had two or more additional services with an AOD diagnosis within 30 days of the initiation visit</p>
0028 Preventive Care and Screening: Tobacco Use-Screening and Cessation Intervention	<p>Percentage of patients aged 18 years and older who were screened for tobacco use one or more times within 24 months AND received cessation counseling intervention if identified as a tobacco user.</p>
0022 Use of High-Risk Medications in the Elderly	<p>Percentage of patients ages 65 years and older who received at least one high-risk medication. Percentage of patients 65 years of age and older who received at least two different high-risk medications.</p> <p>(a) Percentage of patients who were ordered at least one high-risk medication</p> <p>(b) Percentage of patients who were ordered least two high-risk medications during the measurement year</p>
0101 Falls: Screening for Fall Risk	<p>Percentage of patients aged 65 years and older who were screened for future fall risk during the measurement period.</p>
0104 Major Depressive Disorder (MDD): Suicide Risk Assessment	<p>Percentage of patients aged 18 years and older with a new diagnosis or recurrent episode of MDD who had a suicide risk assessment completed at each visit during the measurement period.</p>

National Quality Forum Measure number and name	Clinical Quality Measure Description
0108 ADHD: Follow-Up Care for Children Prescribed Attention Deficit Hyperactivity Disorder Medication	<p>Percentage of children 6-12 years of age as of age and newly dispensed a medication for attention deficit/hyperactivity disorder (ADHD) who had appropriate follow up care. Two rates are reported.</p> <p>(a) Initiation Phase: Percentage of children who had one follow up visit with a practitioner with prescribing authority during the 30-day initiation phase</p> <p>(b) Percentage of children who remained on ADHD medication for at least 210 days and who, in addition to the visit in the initiation phase, had at least two additional follow-up visits with a practitioner within 270 days (9 months) after the initiation phase ended</p>
0110 Bipolar Disorder and Major Depression: Appraisal for Alcohol or Chemical Substance Use	<p>Percentage of patients with depression or bipolar disorder with evidence of an initial assessment that includes an appraisal for alcohol or chemical substance use.</p>
0418 Preventive Care and Screening: Screening for Clinical Depression and Follow-Up Plan	<p>Percentage of patients aged 12 years and older screened for clinical depression on the date of the encounter using an age-appropriate standardized depression screening tool AND, if positive, a follow up plan is documented on the date of the positive screen.</p>
0419 Documentation of Current Medications in the Medical Record	<p>Percentage of specified visits for patients 18 years and older for which the eligible professional attests to documenting a list of current medications to the best of his/her knowledge and ability. This list must include ALL prescriptions, over the counter, herbals and vitamin/mineral/dietary (nutritional) supplements AND must contain the medications' name, dosage, frequency, and route of administration.</p>
0421 Adult Weight Screening and Follow-Up	<p>Percentage of patients aged 18 years and older with a calculated body mass index (BMI) in the past 6 months or during the current reporting period documented in the medical record AND if the most recent BMI is outside of normal parameters, a follow-up plan is documented within the past 6 months or during the current reporting period.</p> <p>Normal Parameters: Age 65 years and older BMI = 23 and < 30.</p> <p>Age 18-64 years BMI = 18.5 and < 25.</p>
0710 Depression Remission at	<p>Adult patients age 18 and older with major depression or dysthymia and an initial PHQ-9 score > 9 who demonstrate remission at 12 months defined as PHQ-9 score less than 5. This</p>

National Quality Forum Measure number and name	Clinical Quality Measure Description
12 Months	measure applies to both patients with newly diagnosed and existing depression whose current PHQ-9 score indicates a need for treatment.
0712 Depression Utilization of the PHQ-9 Tool	Adult patients age 18 and older with the diagnosis of major depression or dysthymia who have a PHQ-9 tool administered at least once during a 4-month period in which there was a qualifying visit.
1365 Child and Adolescent Major Depressive Disorder: Suicide Risk Assessment	Percentage of patient visits for those patients aged 6-17 years with a diagnosis of major depressive disorder with an assessment for suicide risk.
Not Yet Endorsed Dementia: Cognitive Assessment	Percentage of patients, regardless of age, with a diagnosis of dementia for whom an assessment of cognition is performed and the results reviewed at least once within a 12-month period.

Where will the Data Come From?

[Data Integrity - Follow the Continuity of Care Document / C-CDA \(ppt\)](#)

MU CCD Sample

Data Elements Recommended by the 5 States & Their Workgroups

What is Needed to Provide Better Quality Care?

Personal Information

- Guardian
- Emergency contact
- Crisis plan

Encounters

- Psych admission

Family History

- Marriage status
- Children

Functional Status

- Housing status
- Risk status for suicide/homicide
- History of Risk of Violence

- History of Risk of Suicide

Social History

- Court orders

Medications

- Specialty of prescriber
- History of psychiatric medications
- Medication history

Advance Directives

- Behavioral Health Advance
- Directive

Insurance Status

Plan of Care

- Treatment plan

--DSM Diagnosis (all 5 Axis)