Residential Treatment Facilities
Performance Packets
OVERVIEW

Office of Performance Measurement and Evaluation
July, 2014
We use CAIRS data to identify individuals who have been discharged from the Residential Treatment Facilities (RTF) during calendar year 2011 and 2012.

Individuals who were not eligible for Medicaid during the follow-up period are excluded from performance measures calculations.

Medicaid fee-for-service claims and managed care encounter data are examined for post discharge service and medication use.

Performance measures calculation:

\[
\text{Rate} = \frac{\text{Numerator}}{\text{Denominator}}
\]

- Numerator: # of Discharges in the denominator followed by XX service within XX Days of Discharge
- Denominator: # of Discharges with Continuous Medicaid Eligibility up to XX Days post Discharge

Data Source: CAIRS/MEDICAID
Outline

RTF Performance Packets:

Statewide & Regional Reports
Provider Reports

Patient Characteristics Upon Discharge (Tables)

Demographics
Clinical Characteristics
Other Characteristics

Performance Measures (Tables & Graphs)

RTF/ Inpatient Psychiatric Service Admission
Emergency Service Utilization
Mental Health Outpatient Treatment Service Utilization
Continuity of Medication
Patient Characteristics Upon Discharge

- Total Discharges (# Individuals)
- Proportion had Continuous Medicaid
  - 7, 30, 45, 60, 90 Days post Discharge
- Age
  - < 13, 13 – 15, 16+
- Gender
  - Female, Male
- Region of Fiscal Responsibility
  - Central NY, Hudson River, Long Island, New York City, Western NY
Statewide Demographics
(2012 Discharges)

Region of Fiscal Responsibility

- Central NY: 44%
- Hudson River: 22%
- Long Island: 14%
- Western NY: 14%
- NYC: 7%

Gender

- Female: 57%
- Male: 43%

Age

- < 13: 51%
- 13 - 15: 20%
- 16+: 29%
Patient Characteristics
Upon Discharge

- **Length of Stay**
  - Average Discharge LOS (Days)
  - < 6 Months
  - 6 Months to 1 Year
  - > 1 Year

- **Primary Diagnosis**
  - Mood Disorder
  - Disruptive Behavior Disorder
  - Anxiety
  - Schizophrenia
  - ADHD
  - Other
Patient Characteristics
Upon Discharge

Clinical Characteristics (cont.)

- Treatment Goals Attained?
  - Not at all accomplished
  - Accomplished some goals
  - Accomplished most goals
  - Accomplished all original goals
  - Exceeded original goals
Statewide Characteristics
(2012 Discharges)

Length of Stay
(Avg LOS= 482 Days)
- 55% > 1 Year
- 28% 6 Months to 1 Year
- 17% < 6 months

Primary Diagnosis
- Mood Disorder 55%
- ADHD 12%
- Anxiety 11%
- Disruptive Behavior Disorder 15%
- Schizophrenia 5%
- Other 2%
- Other
Statewide Characteristics
(2012 Discharges)

Treatment Goals Attained?

- Accomplished all original goals: 15%
- Accomplished most goals: 39%
- Accomplished some goals: 30%
- Not at all accomplished: 12%
- Exceeded original goals: 4%
Patient Characteristics Upon Discharge

Custody Group
- Family/Independent Living
- Foster Care
- Other

Living Situation Group
- Family/Independent Living
- Foster Care
- OMH Congregate/Crisis
- RTC
- RTF
- State Inpatient Article 28/31 Hospital
- Other
- Unknown

Other Characteristics
**Statewide Characteristics**  
(2012 Discharges)

**Custody Group**
- Foster Care: 15%
- Other: 1%
- Family/Indpt. Living: 80%

**Living Situation Group**
- Foster Care: 4%
- OMH Congregate/Crisis: 18%
- Inpatient: 8%
- RTF: 5%
- RTC: 4%
- Other: 4%
- Unknown: 49%

Family/Indpt. Living (Indpt. Living: only 1%)
### Patient Characteristics

#### Demographics (Parson’s C&F)

2011 & 2012 Residential Treatment Facility Performance Measures

Region: Hudson River || Facility: Parsons Child & Family Center RTF

#### Patient Characteristics Upon Discharge

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Category</th>
<th>Group</th>
<th>2011 Discharges</th>
<th>2012 Discharges</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Facility</td>
<td>Region</td>
</tr>
<tr>
<td>Demographics</td>
<td>Total Discharges</td>
<td></td>
<td>19 (19 Indvs)</td>
<td>135 (122 Indvs)</td>
</tr>
<tr>
<td>Age</td>
<td>13 - 15</td>
<td></td>
<td>8 (42.1 %)</td>
<td>50 (37 %)</td>
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<tr>
<td></td>
<td>16+</td>
<td></td>
<td>11 (57.9 %)</td>
<td>71 (52.6 %)</td>
</tr>
<tr>
<td>Gender</td>
<td>Female</td>
<td></td>
<td>10 (52.6 %)</td>
<td>48 (35.6 %)</td>
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<tr>
<td></td>
<td>Male</td>
<td></td>
<td>9 (47.4 %)</td>
<td>87 (64.4 %)</td>
</tr>
<tr>
<td>Region of Fiscal Responsibility</td>
<td>Central New York</td>
<td></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Hudson River</td>
<td></td>
<td>19 (100 %)</td>
<td>49 (36.3 %)</td>
</tr>
</tbody>
</table>
Performance Measures

RTF/Inpatient Psychiatric Service Admission
Emergency Service Utilization
Mental Health Outpatient Treatment Service Utilization
Continuity of Medication
Performance Measures
Four Measure Domains

RTF/Inpatient Psychiatric Admission
- RTF
- Article 28/31 Hospital
- State PC Hospital
- Overall

Follow-up windows:
- 30 Days
- 90 Days

Emergency Service Utilization
- Psychiatric ER
- Medical ER
- Overall ER

Follow-up windows:
- 7 Days
- 30 Days
- 90 Days

Mental Health Outpatient Treatment Service Utilization
- Clinic
- Specialty
- Overall

Follow-up windows:
- 7 Days
- 30 Days

Continuity of Medication
- Psychotropic Medication Fill

Follow-up windows:
- 45 Days
- 90 Days
Graph 1.1: RTF/Inpatient Psychiatric Service Admission by Region - 2012 within 30 Days of Discharge

- **RTF**: 3.3%, 3.3%, 4.7%, 4.7%, 4.3%, 5.3%, 5.3%
- **Art.28/31**: 4.7%, 4.7%, 13%
- **State PC**: 5.3%, 1.1%, 3.2%

**Statewide Rates**
- **RTF**: 0.3%
- **Art.28/31**: 3.3%
- **State PC**: 4.4%

Note: (1) Reference lines represent Statewide rates.

In Slide Show mode, CLICK anywhere on the graph to OPEN.
Performance Comparison
Child HCBS Waiver vs. RTF

Graph 1.1: Article 28/31 Hospital Admission by Region - 2012
for Children Discharged from Child HCBS Waiver vs. RTF
within 30 Days of Discharge

Statewide Rates
- Child HCBS Waiver: 2.8%
- RTF: 3.3%

In Slide Show mode, CLICK anywhere on the graph to OPEN
# Performance Measures

## Emergency Visits (Parson’s C&F)

## 2011 & 2012 Residential Treatment Facility Performance Measures

Region: Hudson River || Facility: Parsons Child & Family Center RTF

Measure Domain: Emergency Service Utilization

<table>
<thead>
<tr>
<th>Measure</th>
<th>Measure Type</th>
<th>Follow-up Window</th>
<th>CY 2011 Discharges</th>
<th>CY 2012 Discharges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Events (1)</td>
<td>Disch (2)</td>
<td>Facility Rate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Events (1)</td>
<td>Disch (2)</td>
<td>Facility Rate</td>
</tr>
<tr>
<td>Percent of Discharges</td>
<td>Psychiatric Emergency</td>
<td>7 Days</td>
<td>1</td>
<td>18</td>
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<tr>
<td>followed by</td>
<td>Service</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>30 Days</td>
<td>1</td>
<td>18</td>
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<tr>
<td></td>
<td></td>
<td>90 Days</td>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td>Medical Emergency Service</td>
<td>7 Days</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>30 Days</td>
<td>1</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td></td>
<td>90 Days</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>Overall Emergency Service</td>
<td>7 Days</td>
<td></td>
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<tr>
<td>(3)</td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>30 Days</td>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td></td>
<td>90 Days</td>
<td>5</td>
<td>18</td>
</tr>
</tbody>
</table>
Limitations

- Categories for the Living Situation patient characteristic are limited to available selections in CAIRS, which does not include adult housing options.

- An ER visit that results in a hospital admission in an Art. 28 hospital is captured in Medicaid as an inpatient stay. The Medicaid system does not record the visit as an ER event.

- The follow-up services counted in the metrics are from the Medicaid administrative data system. Services reported in the CAIRS data system were not used in deriving the measures.

- Follow-up measures are based on data submitted in Medicaid. Outpatient services covered by third party, private or self pay is not be captured by the metrics.
RTF Medicaid Eligibility Profile (2011 Discharges)
By Different Coverage Gaps

- **7-Day Post Discharge:**
  - All the same: 99.7%

- **30-Day Post Discharge:**
  - Continuous: 95%
  - 1-day gap: 95.3%
  - 2-day gap: 95.8%
  - 3,4,5-day gap: 96.1%
  - 6-day gap: 96.3%

- **60-Day Post Discharge:**
  - Continuous: 89.7%
  - 1-day gap: 90%
  - 2-day gap: 90.5%
  - 3,4,5-day gap: 90.8%
  - 6-day gap: 91.1%

- **180-Day Post Discharge:**
  - Continuous: 86.8%
  - 1-day gap: 87.1%
  - 2-day gap: 87.6%
  - 3,4,5-day gap: 87.9%
  - 6-day gap: 88.2%

- **2-Year Post Discharge:**
  - Continuous: 74.5%
  - 1-day gap: 75%
  - 2,3-day gap: 75.3%
  - 4,5-day gap: 75.5%
  - 6-day gap: 75.8%

- **1.5-Year Post Discharge:**
  - Continuous: 78.3%
  - 1-day gap: 78.8%
  - 2, 3,4,5-day gap: 79.1%
  - 6-day gap: 79.3%

- **90-Day Post Discharge:**
  - Continuous: 88.7%
  - 1-day gap: 88.9%
  - 2-day gap: 89.5%
  - 3,4,5-day gap: 89.7%
  - 6-day gap: 90%

- **1-Year Post Discharge:**
  - Continuous: 82.9%
  - 1-day gap: 83.4%
  - 2-day gap: 83.7%
  - 3,4,5-day gap: 83.9%
  - 6-day gap: 84.2%

- **1.5-Year Post Discharge:**
  - Continuous: 78.3%
  - 1-day gap: 78.8%
  - 2, 3,4,5-day gap: 79.1%
  - 6-day gap: 79.3%
RTF Medicaid Eligibility Profile (2012 Discharges)
By Different Coverage Gaps

7-Day Post Discharge:
All the same:
100%

30-Day Post Discharge:
Continuous, 1, 2, 3-day gap: 97.1%
2-day gap: 95.8%
4-day gap: 97.3%
5,6-day gap: 97.6%

68-Day Post Discharge:
Continuous: 91.1%
1,2,3-day gap: 91.3%
4-day gap: 91.5%
5,6-day gap: 91.8%

180-Day Post Discharge:
Continuous: 88.2%
1,2,3-day gap: 88.4%
4-day gap: 88.6%
5,6-day gap: 88.9%

90-Day Post Discharge:
Continuous: 89.1%
1,2,3-day gap: 89.4%
4-day gap: 89.6%
5,6-day gap: 89.9%

1-Year Post Discharge:
Continuous: 83.8%
1,2,3-day gap: 84.1%
4-day gap: 84.5%
5,6-day gap: 84.8%

1.5-Year Post Discharge:
Continuous: 74.5%
1, 2,3-day gap: 75%
4-day gap: 75.5%
5,6-day gap: 75.9%

2-Year Post Discharge:
Continuous: 63.6%
1,2,3-day gap: 64%
4-day gap: 64.3%
5,6-day gap: 64.7%
Findings

- No big difference were found between the 2011 and 2012 discharge cohorts.

- Western region’s admission rates to Art. 28/31 and SPC hospitals were consistently the lowest among all regions.

- The 90-Day Psychiatric ER visit rates were generally lower than the Medical ER visit rates, except for Western and Hudson River.

- The 30-Day MH outpatient follow-up rates ranged from 14% (NYC) to 41% (Western) for Clinic visits, and ranged from 27% (Central) to 43% (Western) for Specialty visits.
About 60% of the children filled their Psychotropic prescription in a timely manner (within 45 days of discharge).

More or less, the RTF discharge cohort had high rates for Inpatient, ER and Outpatient follow-up measures, compared to the Child HCBS Waiver discharge cohort.

The discharge cohorts had high retention in Medicaid (~83% had Medicaid coverage 1 year post discharge).
Next Steps...

- **Possible Periodic Reports**
  - Annually

- **Future Metrics/Changes to Metrics:**
  - Engagement in Care (including Primary Care)
  - Well-Child Care Visits (Weight Assessment and Counselling, Immunizations, Vaccinations, Lead Screening, etc.)
  - Extension of the metric observation period.