Exploring Behavioral Health Integration through Data

Mental Hygiene Administration Annual Conference
May 14, 2014
Revised May 28, 2014
Public Mental Health System (PMHS) Overview
Public Mental Health System (PMHS)

- Serves, pays claims for Medical Assistance Eligible and select uninsured individuals
  - No Medicare (unless service not covered)
  - No Private Insurance

- Administrative Services Organization (ASO)
  - Authorizes all non-emergency services
    - Based on MHA established medical necessity criteria
  - Processes all PMHS claims
  - Submits to Medical Assistance for FFP
PMHS Consumers Served, FY 2013

• Over 152,000 People Served in FY 2013
  – 38% under age 18, 62% ages 18 and older
    • 45% ages 21 and under
  – 93% Medical Assistance, 7% Uninsured
  – $667 million in claims payments
    • 90% Medical Assistance, 10% State Only
• About 1,800 people served yearly in 5 psychiatric hospitals, 2 RTCs; about 1,000 are resident each day
• Local Services through Core Service Agencies
  – $50 million in service and grant funds
• Current Analysis
  – Claims paid on behalf of 109,686 consumers ages 15 and over
Managed Fee-For-Service System

FY 2013 Data
People Served
FY 2008 to FY 2013

<table>
<thead>
<tr>
<th>Year</th>
<th>Adults</th>
<th>Children and Youth</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>56,076</td>
<td>43,030</td>
</tr>
<tr>
<td>2009</td>
<td>63,185</td>
<td>44,696</td>
</tr>
<tr>
<td>2010</td>
<td>73,107</td>
<td>48,451</td>
</tr>
<tr>
<td>2011</td>
<td>81,799</td>
<td>52,157</td>
</tr>
<tr>
<td>2012</td>
<td>89,342</td>
<td>56,077</td>
</tr>
<tr>
<td>2013</td>
<td>94,127</td>
<td>58,385</td>
</tr>
</tbody>
</table>
Expenditures in Millions of Dollars
FY 2008 to FY 2013

2008: $290.50
2009: $335.28
2010: $373.28
2011: $397.10
2012: $411.38
2013: $406.81

Adults
Children and Youth
FY 2013 PMHS Demographics

Age

Adults

- 18 to 25: 31.6%
- 26 to 40: 40.7%
- 41 to 54: 35.3%
- 55 to 64: 8.9%
- 65 and over: 1.7%

Children and Youth

- 0 to 5: 50.4%
- 6 to 12: 8.9%
- 13 to 17: 11.3%
FY 2013 PMHS Demographics

Gender

**Adults**
- Female: 60.3%
- Male: 39.7%

**Children and Youth**
- Female: 57.3%
- Male: 42.7%
FY 2013 PMHS Demographics
Race

Adults

- Afr.Amer.: 3.5%
- White: 50.1%
- Other: 46.4%

Children and Youth

- Afr.Amer.: 6.3%
- White: 41.1%
- Other: 52.6%
FY 2013 PMHS Demographics

Ethnicity

**Adults**
- Hispanic: 6.1%
- Non-Hispanic: 93.9%

**Children and Adolescents**
- Hispanic: 11.7%
- Non-Hispanic: 88.3%
PMHS Services

• Mental Health Case Management (MHCM)
• Residential Crisis Services (RCS)
• Inpatient
• Mobile Treatment Services/Assertive Community Treatment (MTS/ACT)
• Outpatient
• Partial Hospitalization Program (PHP)
• Psychiatric Rehabilitation Program (PRP)
• Residential Rehabilitation Program (RRP)
• Residential Treatment Center (RTC)
• Supported Employment Program (SEP)
FY 2013 People Served

Total by Service Category

<table>
<thead>
<tr>
<th>Service Category</th>
<th>FY 2013 People Served</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHCM</td>
<td>4,233</td>
</tr>
<tr>
<td>RCS</td>
<td>1,713</td>
</tr>
<tr>
<td>Inpatient</td>
<td>10,125</td>
</tr>
<tr>
<td>MTS/ACT</td>
<td>3,490</td>
</tr>
<tr>
<td>Outpatient</td>
<td>145,643</td>
</tr>
<tr>
<td>PHP</td>
<td>1,995</td>
</tr>
<tr>
<td>PRP</td>
<td>21,361</td>
</tr>
<tr>
<td>RRP</td>
<td>4,388</td>
</tr>
<tr>
<td>RTC</td>
<td>700</td>
</tr>
<tr>
<td>SEP</td>
<td>3,195</td>
</tr>
<tr>
<td>Other</td>
<td>898</td>
</tr>
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</table>

Percent by Service Category

<table>
<thead>
<tr>
<th>Service Category</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHCM</td>
<td>2.8%</td>
</tr>
<tr>
<td>RCS</td>
<td>1.1%</td>
</tr>
<tr>
<td>Inpatient</td>
<td>6.6%</td>
</tr>
<tr>
<td>MTS/ACT</td>
<td>2.3%</td>
</tr>
<tr>
<td>Outpatient</td>
<td>94.8%</td>
</tr>
<tr>
<td>PHP</td>
<td>1.3%</td>
</tr>
<tr>
<td>PRP</td>
<td>13.9%</td>
</tr>
<tr>
<td>RRP</td>
<td>2.9%</td>
</tr>
<tr>
<td>RTC</td>
<td>0.5%</td>
</tr>
<tr>
<td>SEP</td>
<td>2.1%</td>
</tr>
<tr>
<td>Other</td>
<td>0.6%</td>
</tr>
</tbody>
</table>

Total unduplicated number is 143,645. Sum exceeds this number because people may receive more than one service.

Sum exceeds 100% because people may be in more than one service.
## FY 2013 Service Expenditures

### Millions of $ By Service Category

<table>
<thead>
<tr>
<th>Service Category</th>
<th>Expenditures</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHCM</td>
<td>$6.5</td>
<td>0.9%</td>
</tr>
<tr>
<td>RCS</td>
<td>$6.4</td>
<td>0.9%</td>
</tr>
<tr>
<td>Inpatient</td>
<td>$26.1</td>
<td>3.9%</td>
</tr>
<tr>
<td>MTS/ACT</td>
<td>$143.5</td>
<td>21.2%</td>
</tr>
<tr>
<td>Outpatient</td>
<td>$258.1</td>
<td>38.1%</td>
</tr>
<tr>
<td>PHP</td>
<td>$149.1</td>
<td>22.0%</td>
</tr>
<tr>
<td>PRP</td>
<td>$10.7</td>
<td>1.6%</td>
</tr>
<tr>
<td>RRP</td>
<td>$50.3</td>
<td>7.4%</td>
</tr>
<tr>
<td>RTC</td>
<td>$7.4</td>
<td>1.1%</td>
</tr>
<tr>
<td>SEP</td>
<td>$7.4</td>
<td>1.1%</td>
</tr>
<tr>
<td>Other</td>
<td>$11.3</td>
<td>1.7%</td>
</tr>
</tbody>
</table>

### Percent of $ by Service Category

<table>
<thead>
<tr>
<th>Service Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHCM</td>
<td>1.0%</td>
</tr>
<tr>
<td>RCS</td>
<td>0.9%</td>
</tr>
<tr>
<td>Inpatient</td>
<td>21.2%</td>
</tr>
<tr>
<td>MTS/ACT</td>
<td>3.9%</td>
</tr>
<tr>
<td>Outpatient</td>
<td>38.1%</td>
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<tr>
<td>PHP</td>
<td>22.0%</td>
</tr>
<tr>
<td>PRP</td>
<td>1.1%</td>
</tr>
<tr>
<td>RRP</td>
<td>1.6%</td>
</tr>
<tr>
<td>RTC</td>
<td>7.4%</td>
</tr>
<tr>
<td>SEP</td>
<td>1.1%</td>
</tr>
<tr>
<td>Other</td>
<td>1.7%</td>
</tr>
</tbody>
</table>
FY 2013 PMHS Services
Cost per Person Served by Service

- MHCM: $1,543
- RCS: $3,734
- Inpatient: $14,175
- MTS/ACT: $7,487
- Outpatient: $1,772
- PHP: $3,787
- PRP: $6,981
- RRP: $2,428
- RTC: $71,897
- SEP: $2,304

Note: The total cost per person served by RTC is significantly higher than the other services.
State Psychiatric Facilities
FY 2013 People Served
State Psychiatric Facilities
FY 2013 Average Daily Population

- Eastern Shore Hospital Center - 59
- Springfield Hospital Center - 231
- Spring Grove Hospital Center - 354
- Thomas B. Finan Center - 66
- Clifton T. Perkins Hospital Center - 238
  - Maximum Security
- Regional Institute for Children and Adolescents-Baltimore - 31
- John L. Gildner RICA Montgomery - 20
State Psychiatric Facilities

**Adults**
- Female: 23.9%
- Male: 76.1%
- Afr. Amer.: 59.0%
- White: 37.1%
- Other: 3.9%

**Children and Youth**
- Female: 36.2%
- Male: 63.8%
- Afr. Amer.: 45.3%
- White: 45.3%
- Other: 9.4%
Alcohol and Drug Abuse Administration
Overview
Defining Treatment Levels of Care

Early Intervention (0.5) – Outpatient counseling for individuals who do not meet criteria for a substance-use disorder, but who are at high risk for alcohol or other drug problems (e.g., DUI patients, school based early intervention).

Level I - Outpatient Treatment (I) – Nonresidential, structured treatment services for less than nine hours a week per patient. Examples include office practice, health clinics, primary care clinics, mental health clinics, and “step down” programs that provide individual, group and family counseling services. Detoxification services are delivered in Level I.D.

Opioid Maintenance Therapy (I-OMT) – Medication-assisted treatment specific to opioid addiction. Patients are medically supervised and engaged in structured clinical protocols. Services are delivered under a defined set of policies, procedures and medical protocols. Methadone maintenance programs are an example of this level of care. Detoxification services are delivered in Level OMT.D.

Level II - Intensive Outpatient (II.1) – A structured therapeutic milieu in an outpatient setting that delivers nine or more hours of structured treatment services per patient, per week.

Partial Hospitalization (II.5) - Provides each patient with 20 or more hours of clinically intensive programming per week based on individual treatment plans. Programs have pre-defined access to psychiatric, medical and laboratory services. Detoxification services are delivered in Level II.D.
Level III - Clinically Managed Low Intensity Residential Treatment (III.1) - Provides Level I treatment services to patients in a residential setting such as a halfway house.

Clinically Managed Medium Intensity Residential Treatment (III.3) - Programs provide a structured recovery environment in combination with clinical services; for example, a therapeutic rehabilitation facility offering long-term care.

Clinically Managed High Intensity Residential Treatment (III.5) - A structured therapeutic community providing a recovery environment in combination with intense clinical services, such as a residential treatment center.

Medically-Monitored Intensive Inpatient Treatment (III.7) - Programs offering a planned regimen of 24 hour professionally directed evaluation, care and treatment for addicted patients in an inpatient setting. Care is delivered by an interdisciplinary staff to patients whose subacute biomedical and emotional/behavioral problems are sufficiently severe to require inpatient care. Detoxification services are delivered in Level III.7.D.

ADAA provides funding for services through grants and contracts to private and non-profit providers and local health departments. Most dollars are allocated to local health departments that either provide services directly or contract with community-based provider organizations.
Allocation of Funds

• 24 Local Jurisdictional Grant Awards for Prevention, Treatment and Recovery Support Services (SAPT Block Grant and General Funds, 111.1 million)

• Supplemental grants to jurisdictions for Recovery Support Services, including Recovery Housing
  – Funded and implemented Care Coordination in each jurisdiction beginning January 2012

• Operational Costs

• Transfer of Dollars to MA for PAC Expansion

• Statewide Residential Contracts
  - Pregnant Women and Women with Children
  - Criminal Justice Patients
Sources of Funding

– Federal Grants
  • Substance Abuse Prevention and Treatment Block Grant
  • Maryland’s Strategic Prevention Framework (MSPF)
  • Access to Recovery (ATR)
  • Tobacco Enforcement

– General State Funds

– Special Funds
  • VLT’s Licensing fee

– Reimbursable Funds
The fiscal 2013 budget for the ADAA is $158,488,051
Budget Changes for 2013

• $5.2 million in new general funds for Recovery and Housing services

• Transfer of $16.1 million in general funds to Medical Assistance Primary Adult Care (PAC) to fund substance use disorder treatment (increase of $6.765 million from FY 2012)
Grants and contracts comprise the majority of ADAA’s spending, with these expenditures supporting substance use disorder treatment and prevention services. Salary expenditures support 68.5 full-time equivalent positions and 6.77 contractual positions.
People Served by Funding from the Alcohol and Drug Abuse Administration
## Individual Patients, Admissions and Enrollments in State-Supported Substance Use Disorder Treatment Programs
### FY 2008 to FY 2013

<table>
<thead>
<tr>
<th>Year</th>
<th>Individuals</th>
<th>Admissions</th>
<th>Enrollments</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2008</td>
<td>46,758</td>
<td>40,116</td>
<td>32,627</td>
</tr>
<tr>
<td>FY 2009</td>
<td>49,701</td>
<td>41,519</td>
<td>33,834</td>
</tr>
<tr>
<td>FY 2010</td>
<td>52,911</td>
<td>43,758</td>
<td>35,049</td>
</tr>
<tr>
<td>FY 2011</td>
<td>55,384</td>
<td>45,088</td>
<td>35,986</td>
</tr>
<tr>
<td>FY 2012</td>
<td>55,451</td>
<td>45,158</td>
<td>35,634</td>
</tr>
<tr>
<td>FY 2013</td>
<td>52,388</td>
<td>42,426</td>
<td>33,354</td>
</tr>
</tbody>
</table>
Patient Age at Admission to State-Supported Substance Use Disorder Treatment Programs
FY 2013

N = 43,525
Race/Ethnicity/Gender at Admission to Substance Use Disorder Treatment Programs by Receipt of MH Services

Patients Treated in SUD Programs during FY 2013

MH Services Received
N = 23,595

No MH Services Received
N = 60,970
Health Coverage* of Admissions to State-Supported Substance Use Disorder Treatment Programs FY 2008 to FY 2013

*Not necessarily supporting the substance use disorder treatment
Source of Referral to State-Supported Substance Use Disorder Treatment Programs
FY 2013

- Self-Referral: 8.2%
- Parent/Family: 5.7%
- Juvenile Justice: 12.5%
- Drug Court: 4.4%
- Prison/Jail: 4.0%
- Probation/Parole: 1.9%
- DWI: 30.2%
- Other Criminal Justice: 8.7%
- Other Community: 7.7%
- Other Health-Care: 2.5%
- School: 2.4%
- DSS/TCA: 1.9%

N = 43,431
ASAM Level of Care for Enrollments in State-Supported Substance Use Disorder Treatment Programs
FY 2013

N = 53,667
Leading Primary-Substance Problems for Admissions to State-Supported Substance Use Disorder Treatment Programs

FY 2008 to FY 2012

<table>
<thead>
<tr>
<th>Year</th>
<th>Alcohol</th>
<th>Heroin</th>
<th>Marijuana</th>
<th>Rx Opioids</th>
<th>Cocaine</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2008</td>
<td>12</td>
<td>9</td>
<td>8</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>FY 2009</td>
<td>13</td>
<td>10</td>
<td>9</td>
<td>6</td>
<td>5</td>
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<td>FY 2010</td>
<td>14</td>
<td>11</td>
<td>10</td>
<td>7</td>
<td>6</td>
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<tr>
<td>FY 2011</td>
<td>15</td>
<td>12</td>
<td>11</td>
<td>8</td>
<td>7</td>
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<tr>
<td>FY 2012</td>
<td>16</td>
<td>13</td>
<td>12</td>
<td>9</td>
<td>8</td>
</tr>
<tr>
<td>FY 2013</td>
<td>17</td>
<td>14</td>
<td>13</td>
<td>10</td>
<td>9</td>
</tr>
</tbody>
</table>

Thousand

Thousands

Alcohol
Heroin
Marijuana
Rx Opioids
Cocaine

FY 2008 to FY 2013

FY 2008
FY 2009
FY 2010
FY 2011
FY 2012
FY 2013
### Pattern of Substance Abuse Problems among Admissions to State-Supported Substance Use Disorder Treatment Programs

**FY 2013**

<table>
<thead>
<tr>
<th>Substance Problems</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol Only</td>
<td>16.5%</td>
</tr>
<tr>
<td>Alcohol &amp; 1 Drug</td>
<td>17.9%</td>
</tr>
<tr>
<td>Alcohol &amp; 2 Drugs</td>
<td>15.3%</td>
</tr>
<tr>
<td>Alcohol &amp; 3 Drugs</td>
<td>11.1%</td>
</tr>
<tr>
<td>Two Drugs</td>
<td>16.3%</td>
</tr>
<tr>
<td>Three Drugs</td>
<td>22.9%</td>
</tr>
</tbody>
</table>

*N = 43,522*

**Note:** Up to three substance problems may be reported for each admission.
Heroin-Related Admissions* to State-Supported Substance Use Disorder Treatment Programs
Primary Route of Administration by Race and Age
2013

*Up to three substance problems may be reported for each admission.
Mental-Health Problem(s) and Race/Gender at Admission to State-Supported Substance Use Disorder Treatment Programs

FY 2013

White Males

43.3%

56.7%

White Females

62.4%

37.6%

Black Males

29.6%

70.4%

Black Females

55.9%

44.1%
Reason for Discharge from State-Supported Substance Use Disorder Treatment Programs

FY 2013

Completed Treatment: 25.0%
Completed/Referred: 20.2%
Other Referral: 10.2%
Incarcerated: 7.5%
Non-Compliance: 3.0%
Health/Death: 1.1%
Patient Left: 33.0%

N = 39,669
Median and Mean Length of Stay (Days) for Dis-Enrollments from State-Supported Substance Use Disorder Treatment Programs

FY 2013

Level 0.5
Level I
Level I.D/II.D
Level II.1
Level II.5
Level III.1
Level III.3
Level III.5
Level III.7
Level III.7.D
OMT

Median
Mean
Adolescent and Adult Substance Use, Tobacco Use, Employment, Arrest and Homelessness Percentage Outcomes
Discharges from State-Supported Substance Use Disorder Treatment Programs
2013

Note: Discharges from detoxification and short-term residential treatment are excluded.
Mental-Health Treatment Received* during Substance Use Disorder Treatment Episode by Patients Discharged from State-Supported Substance Use Disorder Treatment Programs FY 2013

Mental-Health Problem at Admission
N = 17,371

Yes 18.1%
No 81.9%

No Mental-Health Problem at Admission Indicated
N = 22,298

Yes 48.5%
No 51.5%

*Either within or outside the SUD treatment program
Characteristics and Service Usage
Alcohol and Drug Abuse Administration
Mental Hygiene Administration
Consumers in Common
Ages 15 and over

Fiscal Year 2013 Data Sets
Consumers in PMHS, ADAA, and Both

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMHS</td>
<td>110,790</td>
</tr>
<tr>
<td>ADAA</td>
<td>51,139</td>
</tr>
<tr>
<td>Both</td>
<td>12,688</td>
</tr>
</tbody>
</table>
Consumers in PMHS, ADAA, and Both

**Comparison by Gender**

- **Male**
  - PMHS: 41.3%
  - ADAA: 53.6%
  - Both: 66.4%

- **Female**
  - PMHS: 58.7%
  - ADAA: 33.6%
  - Both: 46.4%

**Comparison by Race**

- **Afr. Amer.**
  - PMHS Only: 47.2%
  - ADAA Only: 44.9%
  - Both: 46.5%

- **White**
  - PMHS Only: 49.1%
  - ADAA Only: 51.2%
  - Both: 40.7%

- **Other**
  - PMHS Only: 3.7%
  - ADAA Only: 3.9%
  - Both: 2.8%
Consumers in PMHS, ADAA, and Both

Comparison by Age

<table>
<thead>
<tr>
<th>Age Group</th>
<th>PMHS</th>
<th>ADAA</th>
<th>Both</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 to 25</td>
<td>30%</td>
<td>29%</td>
<td>22%</td>
</tr>
<tr>
<td>26 to 40</td>
<td>31%</td>
<td>34%</td>
<td>37%</td>
</tr>
<tr>
<td>41 to 54</td>
<td>28%</td>
<td>30%</td>
<td>36%</td>
</tr>
<tr>
<td>55 to 64</td>
<td>10%</td>
<td>7%</td>
<td>6%</td>
</tr>
<tr>
<td>65 and over</td>
<td>2%</td>
<td>1%</td>
<td>0%</td>
</tr>
</tbody>
</table>
Consumers in PMHS, ADAA, and Both

Comparison by Marital Status

- Never Married: PMHS 76.6%, ADAA 67.5%, Both 68.3%
- Married/Living as couple: PMHS 9.5%, ADAA 12.9%, Both 9.0%
- Sep/Div/Widowed: PMHS 13.9%, ADAA 19.6%, Both 22.7%