Seclusion and Restraint
Six Month Data Report
January - June 2012
Inpatient Psychiatric Service Providers
Presentation to OHA 4/25/13

Reporting in statute

• OAC 5122-14-14
• All Inpatient Hospital Providers
• 6 month reporting:
  ▫ January – June
  ▫ July – December
• Required Reporting:
  ▫ Seclusion
  ▫ Mechanical Restraint
  ▫ Physical Restraint (aka Manual)
  ▫ By age group (under 18, over 18)
  ▫ S/R related Injury to Staff
Inpatient Psychiatric Service Providers

- 76 hospitals operating during this 6-month period (3 units reported as 1)
  - 68 serving adults
  - 16 serving children and adolescents
  - (8 hospitals served both children/adolescents and adults)

Calculations allowing comparison across organizations

Seclusion/Restraints per 1000 Patient Day = \( \frac{\text{Total \# of Seclusions/Restraints}}{\text{Total \# of Patient Days}} \times 1000 \)

Avg. Duration per Seclusion/Restraint = \( \frac{\text{Total mins of Seclusion/Restraint}}{\text{Total \# of Seclusions/Restraints}} \)
Geographical Regions

Updated April 24, 2013

Inpatient Providers Serving Adults

Updated April 24, 2013
Number of Hospitals Serving Adults by Geographical Area (N = 68)

- Northeast, 18
- Heartland, 8
- Central Ohio, 8
- Northwest, 14
- Southwest, 13
- Southeast, 7

Total number of patient days per month

- January: 635
- February: 590
- March: 633
- April: 605
- May: 626
- June: 627

Updated April 24, 2013
Capacity (Number of Licensed Beds)

- Min = 6
- Mean = 31
- sd = 21.7
- Max = 96

Occupancy

- Min = 0.73%
- Mean = 63.4%
- sd = 20.5%
- Max = 102.1%

Formula:
- Patient Days divided by Number of Licensed Beds * 182 (# of days Jan – Jun)
Occupancy by Capacity

- Small (< 20 beds) - 17.6%
- Medium (20-39 beds) - 29.4%
- Large (40+ beds) - 52.9%

- 75%+
- 50-75%
- < 50%

Average Daily Census

- Formula:
  - Total # of Patient Days divided by 182 days

- OhioMHAS (N = 6)
  - mean = 173.6

- Private Hospitals (N = 68)
  - Mean = 20.5
  - Min = 0.1
  - Max = 66.5
Percentage of Inpatient Providers Reporting Seclusions and Restraints (N=68)

- Seclusions: 38.2% reported, 64.7% did not report
- Physical Restraints: 61.8% reported, 35.3% did not report
- Mechanical Restraints: 33.8% reported, 66.2% did not report

Definition of Seclusion

Staff intervention that involved the involuntary confinement of a patient alone in a room where the patient is physically prevented from leaving.
Frequency of Seclusions (per 1000 Patient days) 6-month Avg.

Seclusions for OhioMHAS Hospitals (N=6)
Seclusions for Hospitals that reported Seclusions during Jan-Jun (N=42)
Seclusions for Hospitals that reported any type Seclusion/Restraint during Jan-Jun (N = 57)
Seclusions for all Hospitals (N=68)

Updated April 24, 2013

Frequency of Seclusion (per 1000 Patient days) 6-month Avg. by Geographic Area (N=68)

Northeast Heartland Southeast Southwest Central Northwest

Updated April 24, 2013
Frequency of Seclusion (per 1000 Patient days) 6-month Avg. (N=68)

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Average Daily Census</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small (&lt;20 beds)</td>
<td>0.9</td>
</tr>
<tr>
<td>Medium (20-39 beds)</td>
<td>3.0</td>
</tr>
<tr>
<td>Large (40+ beds)</td>
<td>5.9</td>
</tr>
<tr>
<td>0</td>
<td>0.7</td>
</tr>
<tr>
<td>2</td>
<td>3.3</td>
</tr>
<tr>
<td>4</td>
<td>4.6</td>
</tr>
</tbody>
</table>

Frequencies of Seclusions (per 1000 Patient Days)

- Private Total (N = 68)
- OhioMHAS (N = 6)

Updated April 24, 2013
Duration of Seclusion (Minutes) 6-month Avg. by Geographical Area

- OhioMHAS: 72 minutes
- Private Total: 328 minutes
- Northeast: 371 minutes
- Heartland: 390 minutes
- Southeast: 330 minutes
- Southwest: 294 minutes
- Central: 236 minutes
- Northwest: 296 minutes

Capacity

- Small (<20 beds): 163
- Medium (20-39 beds): 463
- Large (40+ beds): 189

Average Daily Census

- Census 0-10: 507
- Census 11-19: 400
- Census 20+: 222

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Definition of Physical Restraint

Also known as Manual Restraint, means a staff intervention that involved any method of physically/manually restricting a patient’s freedom of movement, physical activity, or normal use of his or her body without the use of Mechanical Restraint devices.
Frequency of Physical Restraint (per 1000 Patient days) 6-month Avg.

- Restraints for OhioMHAS Hospitals (N=6): 2.3
- Restraints for Hospitals that reported Restraints during Jan-Jun (N=24): 1.9
- Restraints for Hospitals that reported any type Seclusion/Restraint during Jan-Jun (N=57): 0.8
- Restraints for all Hospitals (N=68): 0.7

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Frequency of Physical Restraints (per 1000 Patient days) 6-month Avg. by Geographical Area (N = 68)

- Northeast: 0.7
- Heartland: 0.3
- Southeast: 0.3
- Southwest: 1.1
- Central: 1.3
- Northwest: 0.2

Updated April 24, 2013
Frequency of Physical Restraints (per 1000 Patient days) 6-month Avg. (N = 68)

- Capacity
- Average Daily Census

0.5 0.6 1.1
Small (<20 beds) Medium (20-39 beds) Large (40+ beds)

0.2 0.9 0.8
Census 0-10 Census 11-19 Census 20+

Updated April 24, 2013

Frequencies of Physical Restraints (per 1000 Patient Days)

- Private Total (N = 68)
- OhioMHAS (N = 6)

Small-size hospitals did not report enough data to graph by month.

Updated April 24, 2013
Duration of Physical Restraints (Minutes) 6-month Avg. by Geographical Area

Updated April 24, 2013

Duration of Physical Restraints (Minutes) 6-month Avg.

Capacity

Average Daily Census

Updated April 24, 2013
Definition of Mechanical Restraint

A staff intervention that involves any method of restricting a patient’s freedom of movement, physical activity, or normal use of his or her body, using an appliance or device manufactured for this purpose.
Frequency of Mechanical Restraint (per 1000 Patient days) 6-month Avg.

- Restraints for OhioMHAS Hospitals (N=6)
- Restraints for Hospitals that reported Restraints during Jan-Jun (N=45)
- Restraints for Hospitals that reported any type Seclusion/Restraint during Jan-Jun (N=57)
- Restraints for all Hospitals (N=68)

Frequency of Mechanical Restraints (per 1000 Patient days) 6-month Avg. by Geographical Area (N=68)

- Northeast
- Heartland
- Southeast
- Southwest
- Central
- Northwest
Frequency of Mechanical Restraints (per 1000 Patient days) 6-month Avg. (N=68)

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Average Daily Census</th>
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<tr>
<td>Small (&lt;20 beds)</td>
<td>Medium (20-39 beds)</td>
</tr>
<tr>
<td>0.6</td>
<td>3.4</td>
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</table>

Updated April 24, 2013

Frequencies of Mechanical Restraints (per 1000 Patient Days)

- Private Total (N = 68)
- OhioMHAS (N = 6)

Small-size hospitals did not report enough data to graph by month.

Updated April 24, 2013
Duration of Mechanical Restraints (Minutes) 6-month Avg. by Geographical Area

Updated April 24, 2013
Durations of Mechanical Restraints (Minutes)

Because average duration was calculated by the number of Restraints divided by the Number of minutes, the N varies by month.

Inpatient Providers Serving Children and Adolescents
Number of Hospitals Serving Children/Youth by Geographical Area

Updated April 24, 2013

- Northeast, 5
- Northwest, 3
- Central Ohio, 2
- Southwest, 3
- Southeast, 1
- Heartland, 2

Insufficient size within subgroups to run comparisons

Total number of patient days per month

Jan: 447
Feb: 464
Mar: 508
Apr: 439
May: 467
Jun: 314

Updated April 24, 2013
Capacity

- Minimum = 8 beds
- **Mean = 24.31 beds**
- Maximum = 85 beds

- Groups not used for analysis due to small samples size

Occupancy

- Minimum = 2.68%
- **Mean = 54.02%**
- sd = 19.4%
- Maximum = 78.7%

- Formula:
  - Patient Days divided by Number of Licensed Beds * 182 (# of days Jan – Jun)

- Groups not used for analysis due to small samples size

Updated April 24, 2013
Average Daily Census

- Formula:
  - Total # of Patient Days divided by
  - 182 days

- Minimum = 0.21
- **Mean = 14.5%**
- sd = 15.5%
- Maximum = 61.31%

- No groups created due to small samples size

Percentage of Inpatient Providers Reporting Seclusions and Restraints (N=16)

- Seclusions: 75% Did Report, 25% Did not report
- Physical Restraints: 63% Did Report, 38% Did not report
- Mechanical Restraints: 69% Did Report, 31% Did not report
## Seclusion and Restraint

### Average Number (per 1000 Patient Days)

<table>
<thead>
<tr>
<th></th>
<th>Seclusions</th>
<th>Physical Restraints</th>
<th>Mechanical Restraints</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported S/R</td>
<td>13.5</td>
<td>13.1</td>
<td>10.1</td>
</tr>
<tr>
<td>All Hospitals</td>
<td>8.2</td>
<td>3.0</td>
<td>2.1</td>
</tr>
</tbody>
</table>

### Average Duration (Minutes)

<table>
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<th>Physical Restraints</th>
<th>Mechanical Restraints</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported S/R</td>
<td>47.5</td>
<td>7.1</td>
<td>85.4</td>
</tr>
<tr>
<td>All Hospitals</td>
<td>0</td>
<td>25</td>
<td>50</td>
</tr>
</tbody>
</table>

*Updated April 24, 2013*

### Frequencies of Seclusions and Restraints (per 1000 Patient Days) for All Hospitals (N = 16)

- **Seclusions**
- **Physical Restraints**
- **Mechanical Restraints**

*Updated April 24, 2013*
Duration of Seclusions and Restraints (Minutes)
(N varies based on number of S/R reported each month)

All Inpatient Providers
Illnesses and Injuries
Patient Injury or Illness

Injuries requiring emergency/unplanned medical treatment or hospitalization

• 25 hospitals reported injuries
• Minimum = 1
• Mean = 4.2
• sd = 7.0
• Maximum = 32

Illness/medical emergency requiring immediate admission to a hospital

• 53 hospitals reported injuries
• Minimum = 1
• Mean = 7.9
• sd = 8.1
• Maximum = 43

Injuries to Staff from Seclusions and Restraints

Injuries requiring First Aid

• 17 hospitals reported injuries
• Minimum = 1
• Mean = 5.4
• sd = 8.9
• Maximum = 39

Injuries requiring emergency/unplanned medical intervention

• 13 hospitals reported injuries
• Minimum = 1
• Mean = 1.9
• sd = 1.6
• Maximum = 7

There were NO injuries requiring hospitalization.