

Seclusion and Restraint Six Month Data Report

January - June 2012

Inpatient Psychiatric Service Providers

Presentation to OHA 4/25/13



Department of
Mental Health

Updated April 24, 2013

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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

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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)

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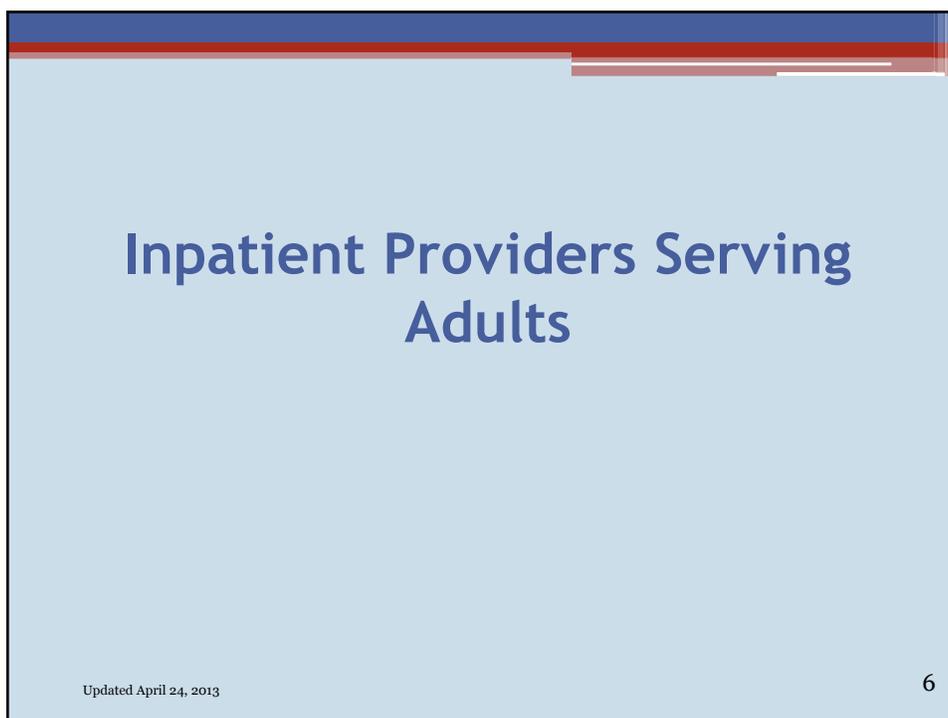
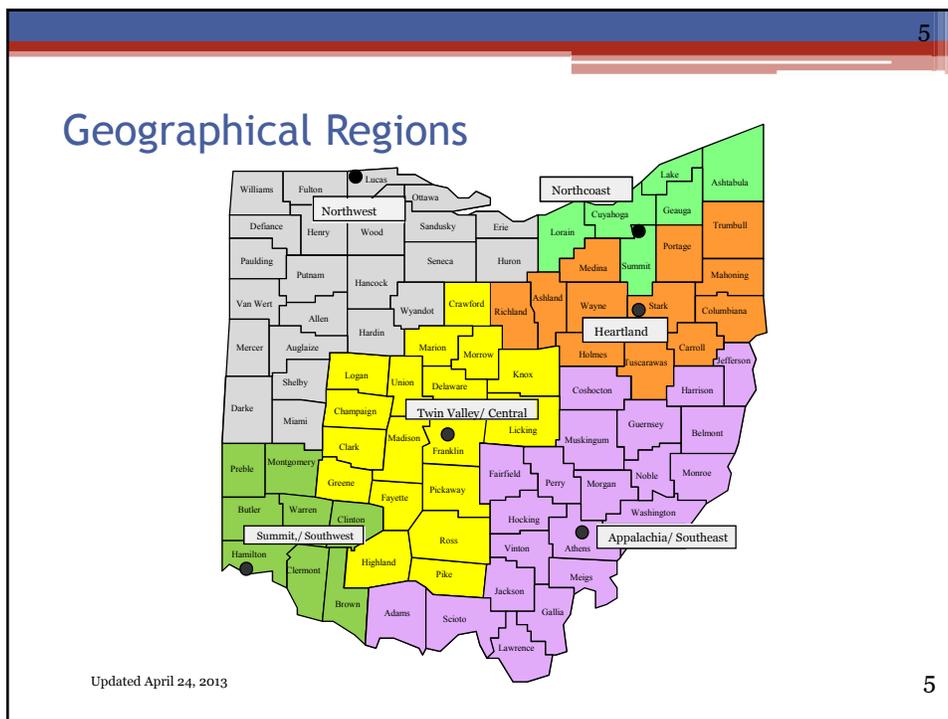
Calculations allowing comparison across organizations

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

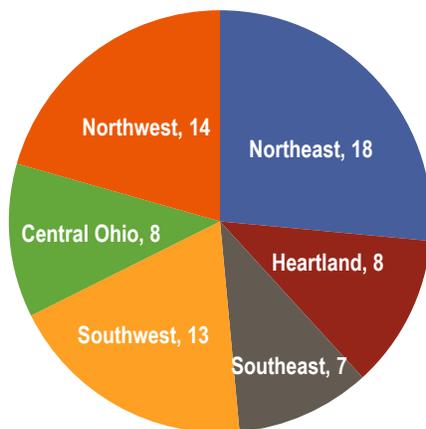
$$\text{Avg. Duration per Seclusion/Restraint} = \frac{\text{Total mins of Seclusion/Restraint}}{\text{Total \# of Seclusions/Restraints}}$$

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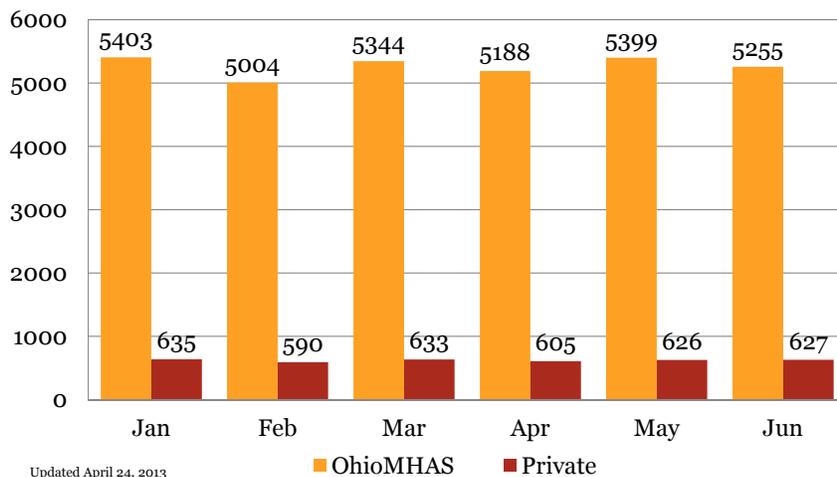
Number of Hospitals Serving Adults by Geographical Area (N = 68)



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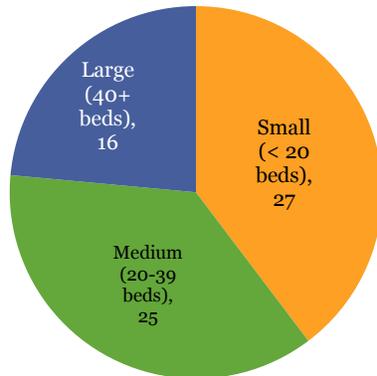
Total number of patient days per month



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Capacity (Number of Licensed Beds)



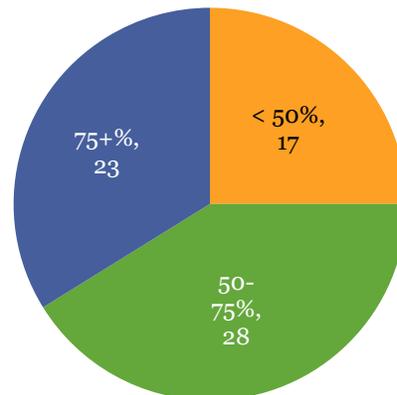
- Min = 6
- Mean = 31
- sd = 21.7
- Max = 96

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Occupancy

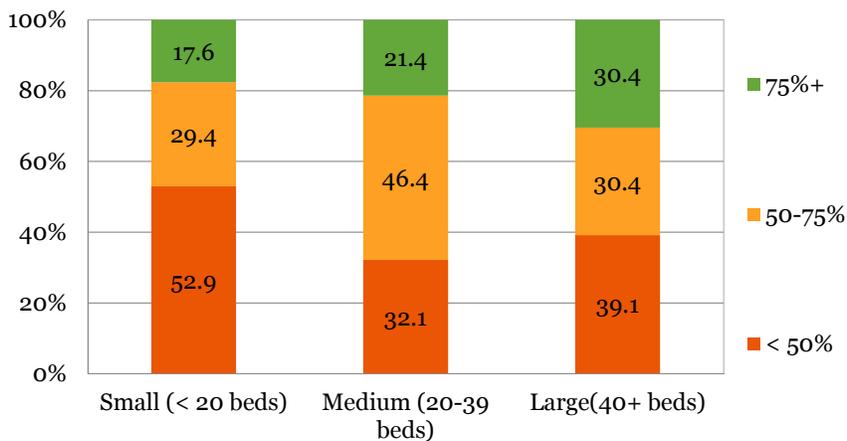
- Min = 0.73%
- Mean = 63.4%
- sd = 20.5%
- Max = 102.1%
- **Formula:**
 - Patient Days divided by
 - Number of Licensed Beds * 182 (# of days Jan – Jun)



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Occupancy by Capacity

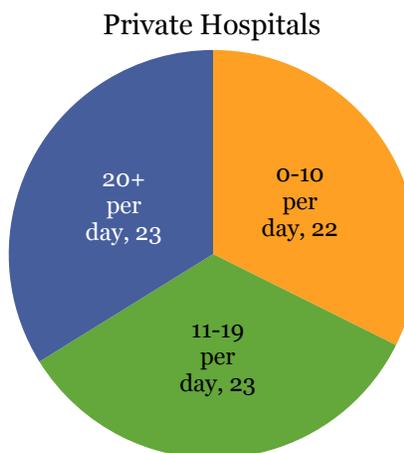


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Average Daily Census

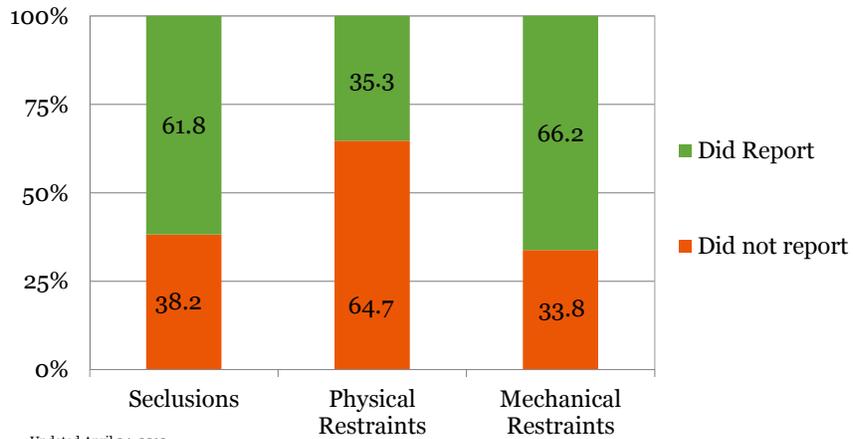
- Formula:
 - Total # of Patient Days divided by
 - 182 days
- OhioMHAS (N = 6)
mean = 173.6
- Private Hospitals (N = 68)
 - Mean = 20.5
 - Min = 0.1
 - Max = 66.5



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Percentage of Inpatient Providers Reporting Seclusions and Restraints (N=68)



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Definition of Seclusion

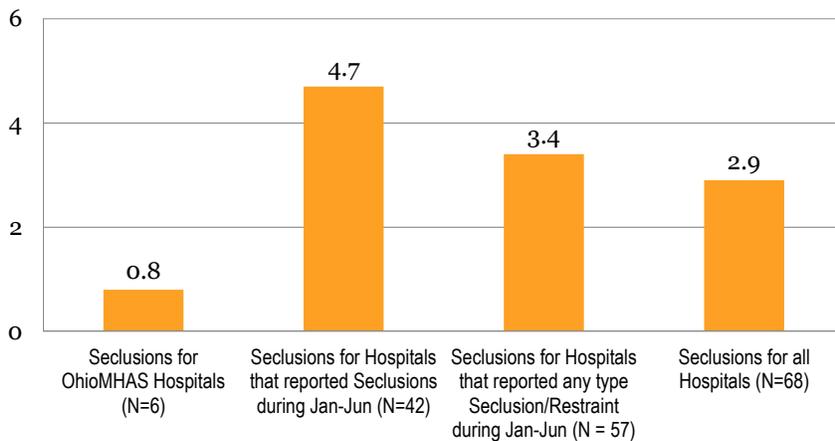


Staff intervention that involved the involuntary confinement of a patient alone in a room where the patient is physically prevented from leaving

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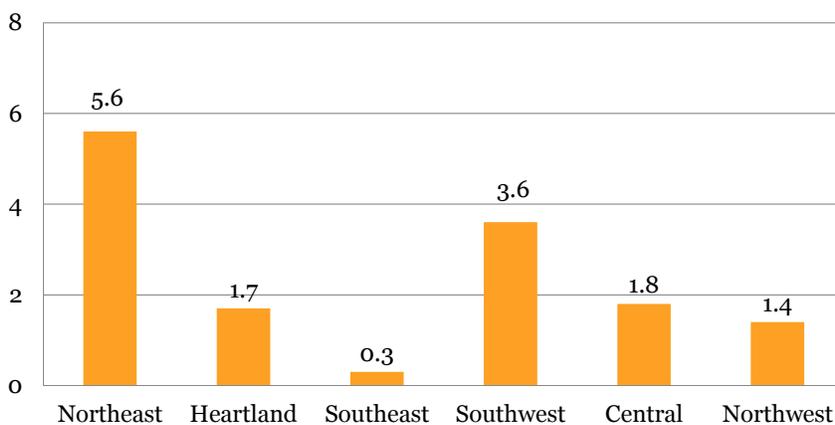
Frequency of Seclusions (per 1000 Patient days) 6-month Avg.



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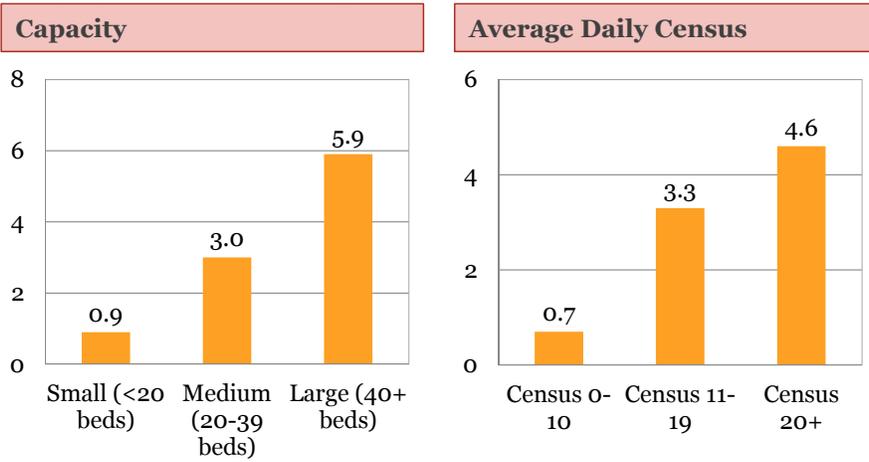
Frequency of Seclusion (per 1000 Patient days) 6-month Avg. by Geographic Area (N=68)



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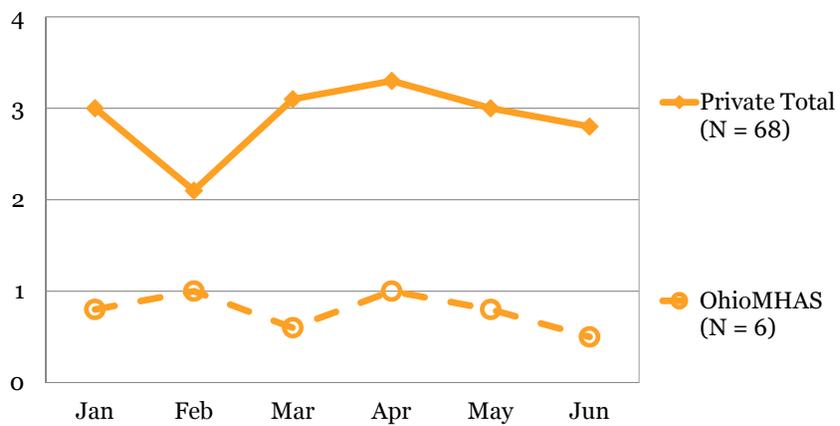
Frequency of Seclusion (per 1000 Patient days) 6-month Avg. (N=68)



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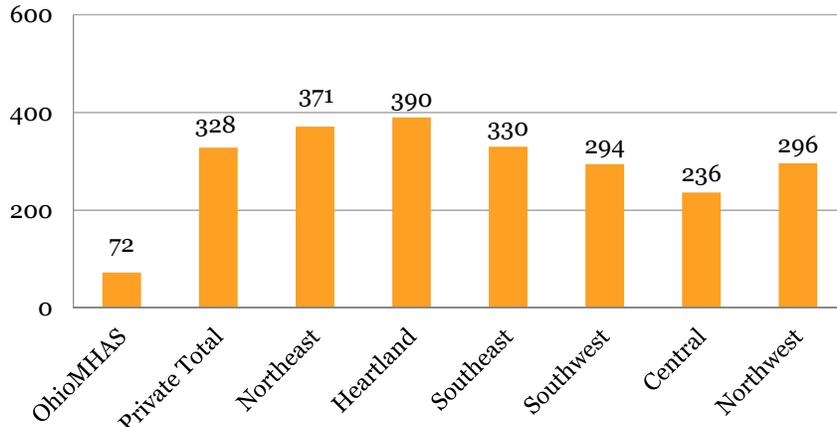
Frequencies of Seclusions (per 1000 Patient Days)



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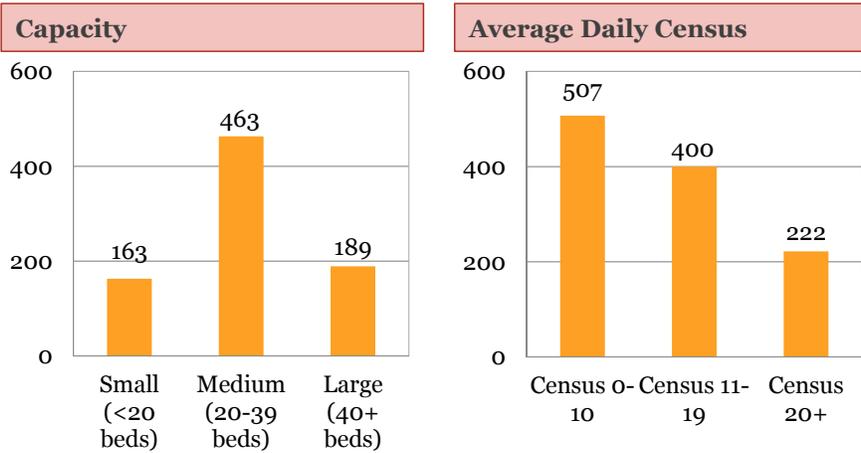
Duration of Seclusion (Minutes) 6-month Avg. by Geographical Area



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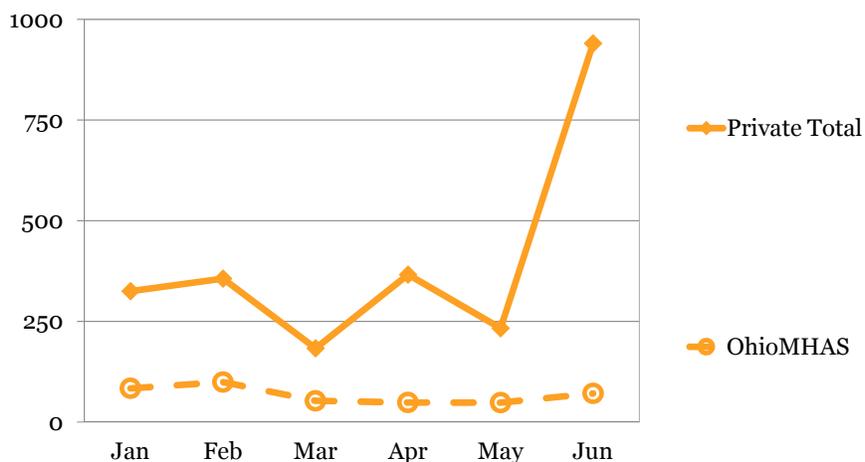
Duration of Seclusion (Minutes) 6-month Avg.



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Duration of Seclusions (Minutes)



Because average duration was calculated by the number of Seclusions divided by the Number of minutes, the N varies

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Definition of Physical Restraint

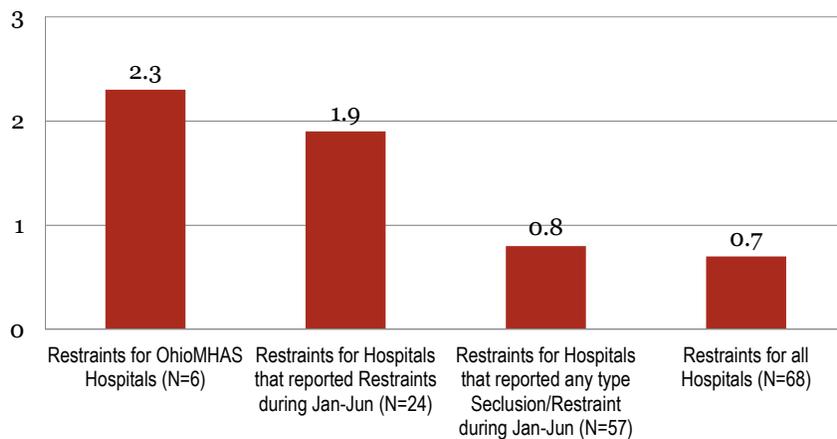
Also known as Manual Restraint, means a staff intervention that involved any method of physically/manually restricting a patient's freedom of movement, physical activity, or normal use of his or her body without the use of Mechanical Restraint devices.



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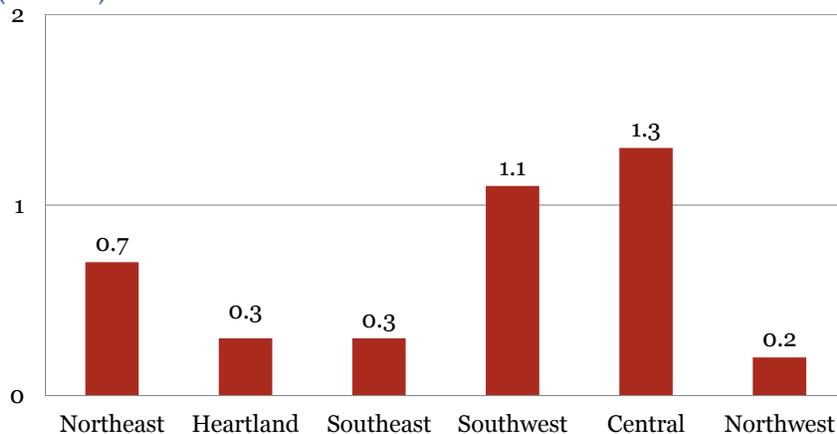
Frequency of Physical Restraint (per 1000 Patient days) 6-month Avg.



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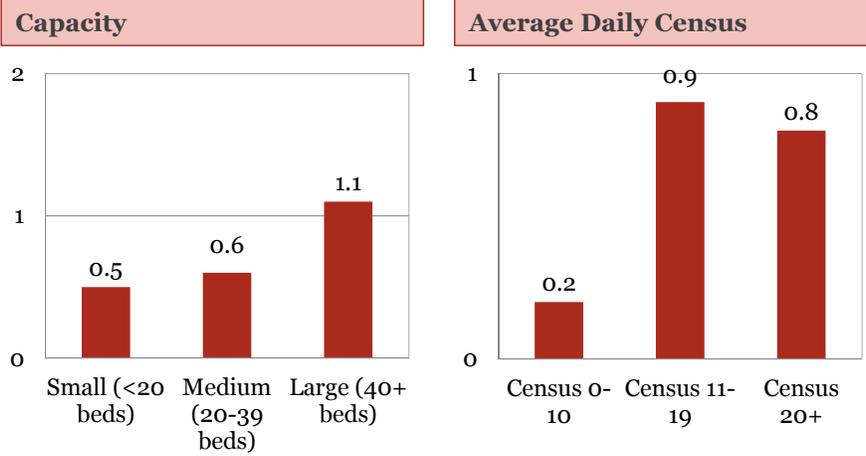
Frequency of Physical Restraints (per 1000 Patient days) 6-month Avg. by Geographical Area (N = 68)



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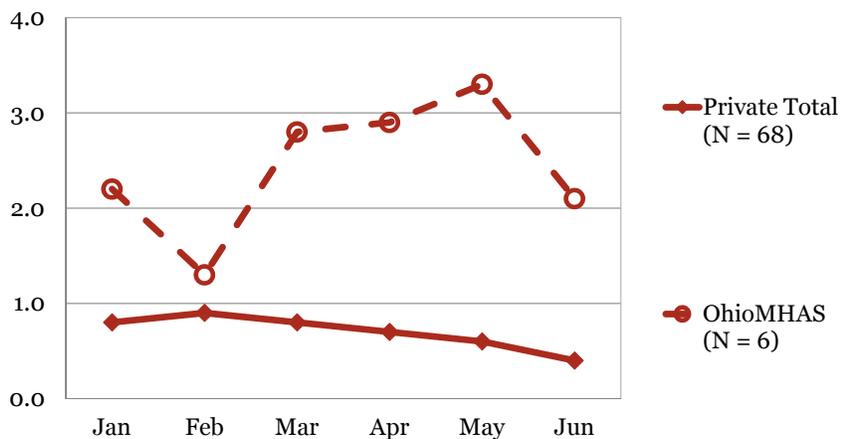
Frequency of Physical Restraints (per 1000 Patient days) 6-month Avg. (N = 68)



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Frequencies of Physical Restraints (per 1000 Patient Days)

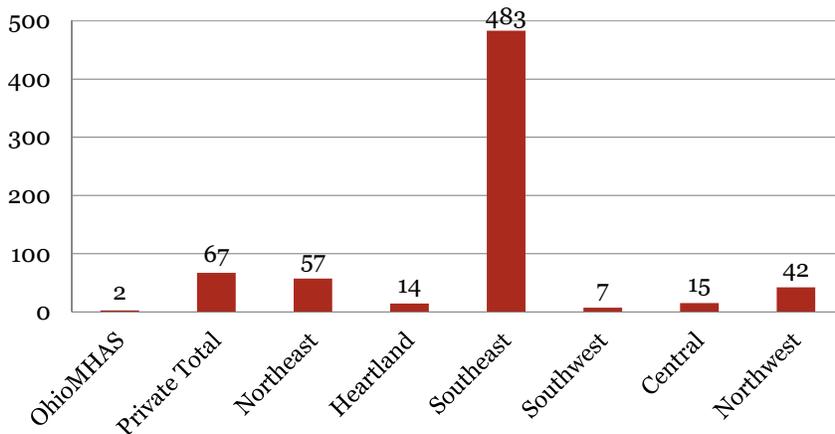


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Small-size hospitals did not report enough data to graph by month.

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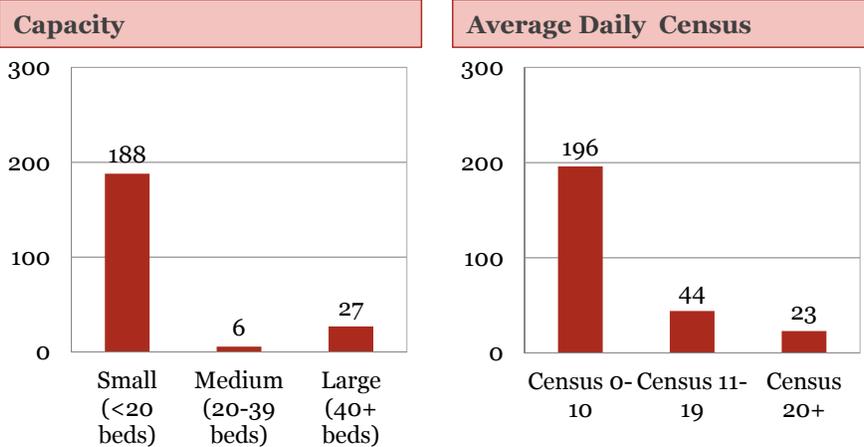
Duration of Physical Restraints (Minutes) 6-month Avg. by Geographical Area



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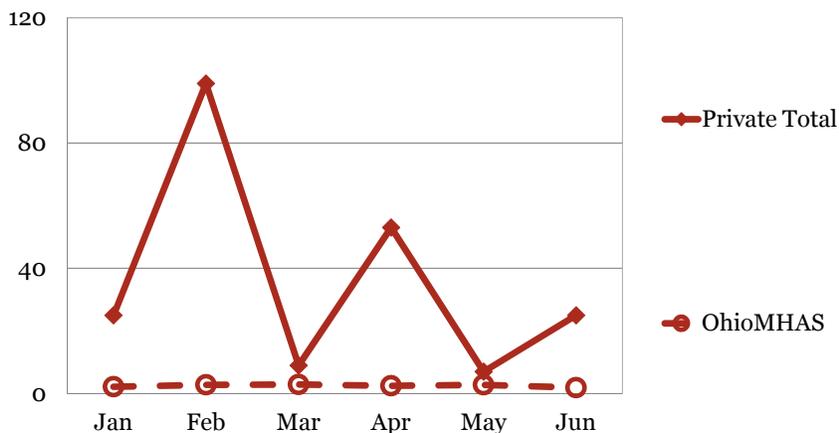
Duration of Physical Restraints (Minutes) 6-month Avg.



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Durations of Physical Restraints (Minutes)



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

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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.



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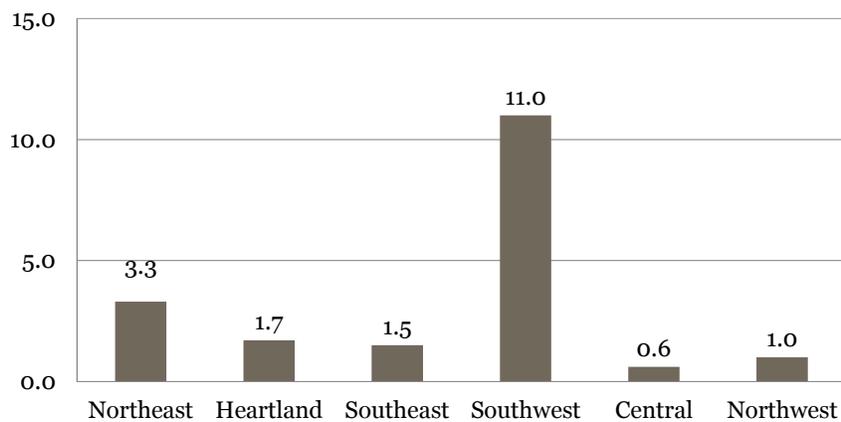
Frequency of Mechanical Restraint (per 1000 Patient days) 6-month Avg.



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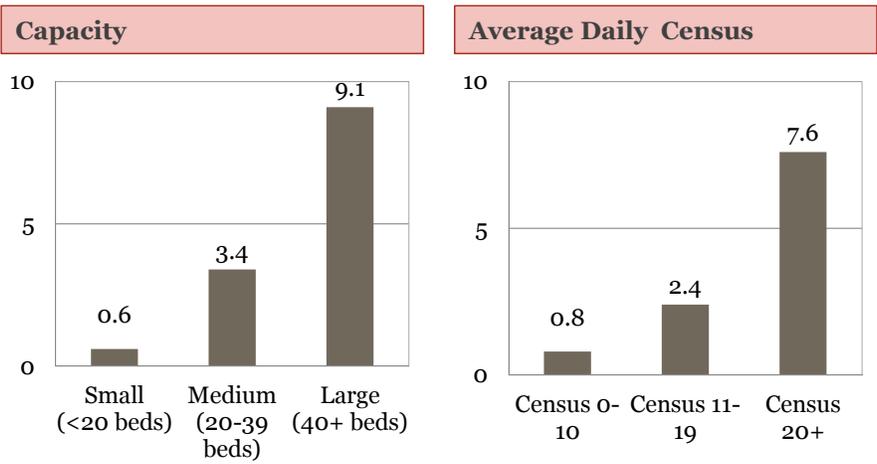
Frequency of Mechanical Restraints (per 1000 Patient days) 6-month Avg. by Geographical Area (N=68)



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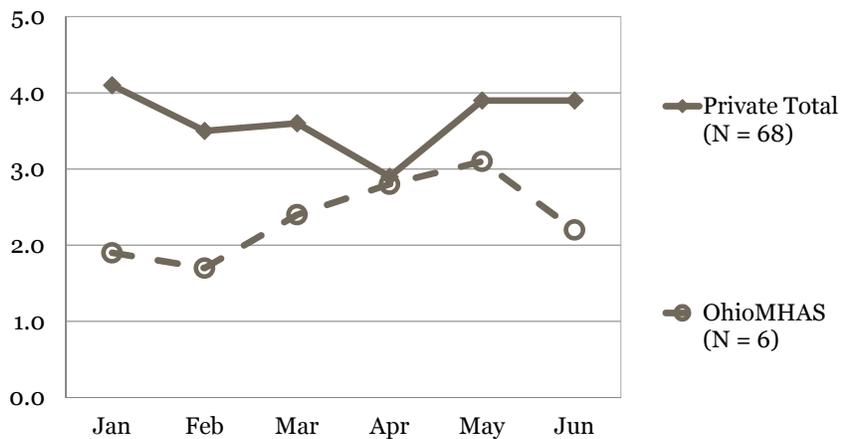
Frequency of Mechanical Restraints (per 1000 Patient days) 6-month Avg. (N=68)



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Frequencies of Mechanical Restraints (per 1000 Patient Days)

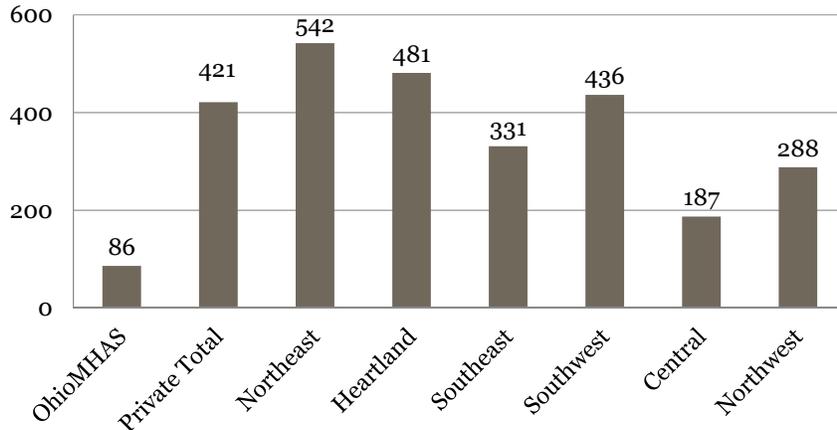


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Small-size hospitals did not report enough data to graph by month.

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Duration of Mechanical Restraints (Minutes) 6-month Avg. by Geographical Area

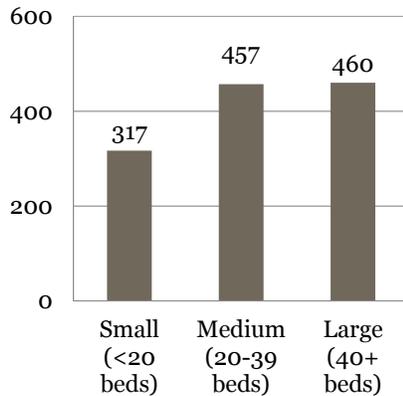


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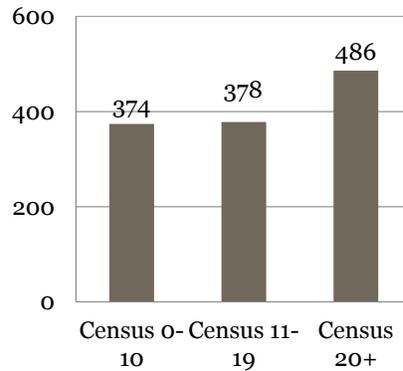
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Duration of Mechanical Restraints (Minutes) 6-month Avg.

Capacity



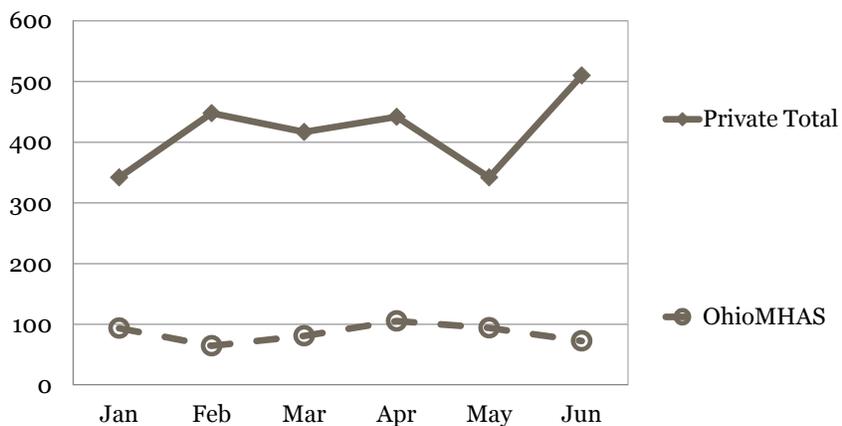
Average Daily Census



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Durations of Mechanical Restraints (Minutes)



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

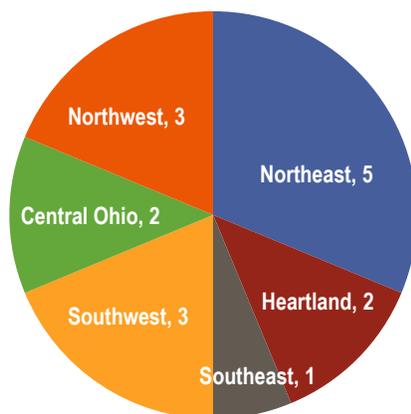
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Inpatient Providers Serving Children and Adolescents

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Number of Hospitals Serving Children/Youth by Geographical Area

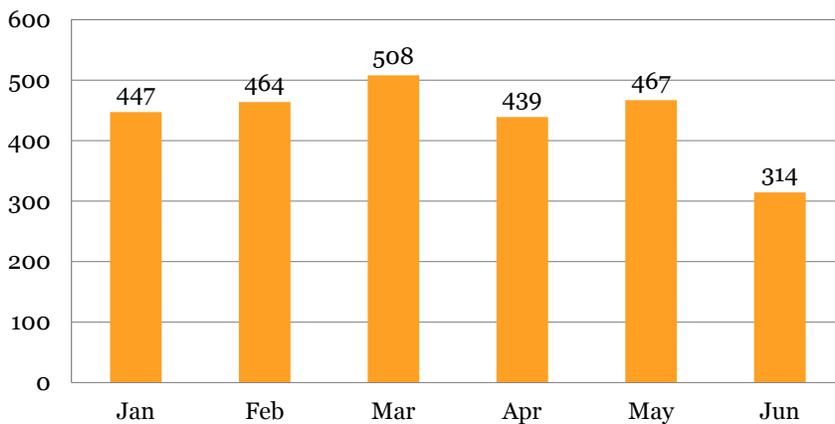


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Insufficient size within subgroups to run comparisons

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Total number of patient days per month

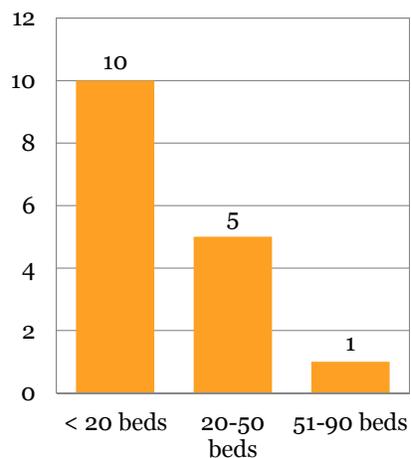


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Capacity

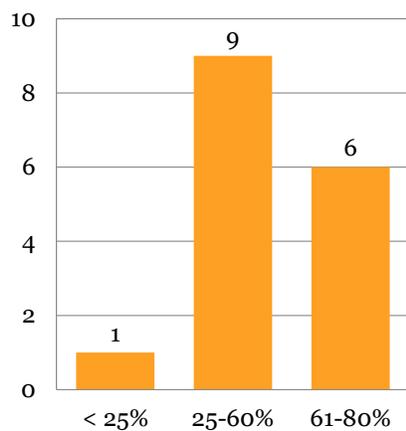
- Minimum = 8 beds
- **Mean = 24.31 beds**
- Maximum = 85 beds
- Groups not used for analysis due to small samples size



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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

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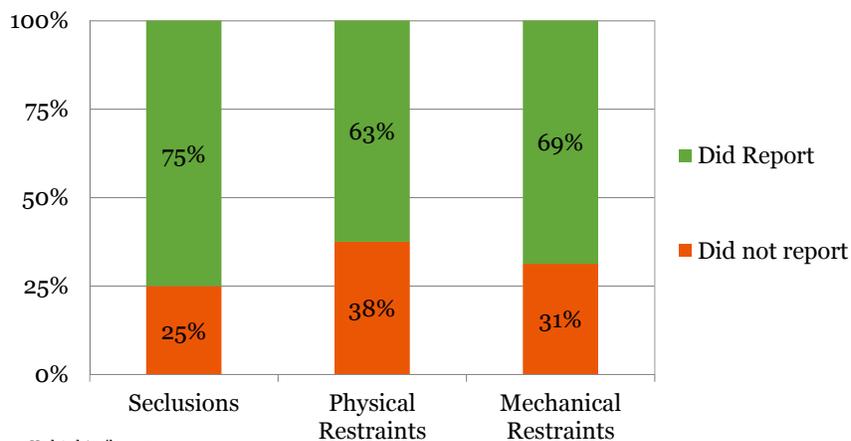
Average Daily Census

- 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

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

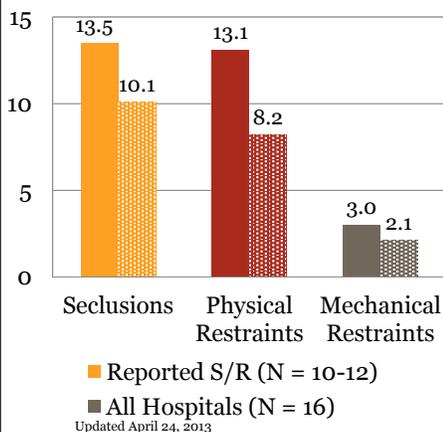


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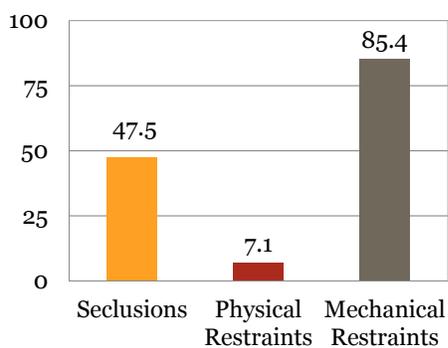
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Seclusion and Restraint

Average Number (per 1000 Patient Days)

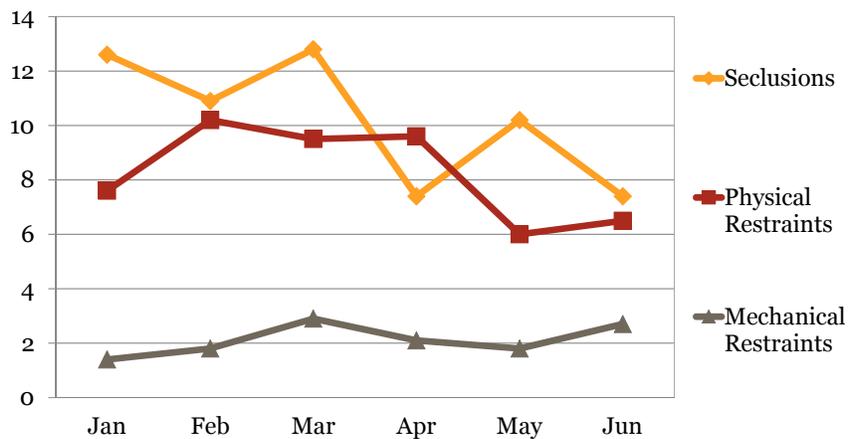


Average Duration (Minutes)

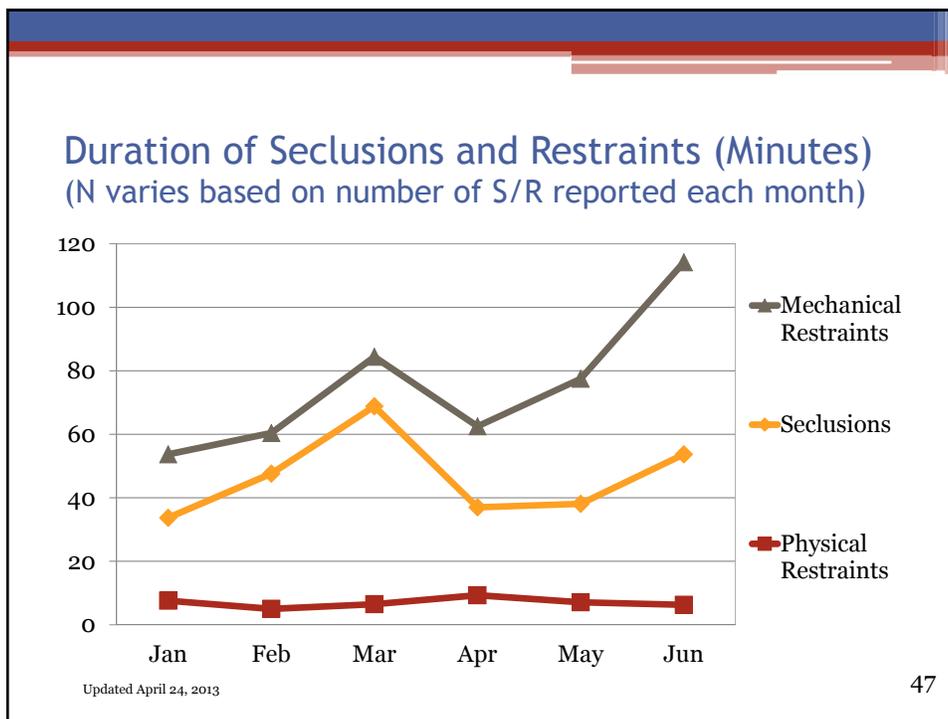


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Frequencies of Seclusions and Restraints (per 1000 Patient Days) for All Hospitals (N = 16)



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All Inpatient Providers

Illnesses and Injuries

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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

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Illness/medical emergency requiring immediate admission to a hospital

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

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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.

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