



*Promoting Wellness and Recovery*

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Tracy J. Plouck, *Director*

**Seclusion and Restraint Data Report**  
**January-June 2014**  
**Inpatient Psychiatric Service Providers**  
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# Data collection

- Reporting in statute
- OAC 5122-14-14
- All Inpatient Hospital Providers
- Required Reporting
  - Seclusion
  - Mechanical Restraint
  - Physical (Manual) Restraint
  - S/R-Related injuries to staff
- 6 month reporting:
  - January to June
  - July to December

# Methods

- January to June, 2014
  - 79 Private Hospitals/units reporting during 6 month period
  - 72 Serving Adults only
  - 7 Serving Children/Adolescents only
  - 8 Serving Both Adults and Children/Adolescents
  - 6 State Hospitals
- Census Groups: Based upon average daily census
  - 0-10
  - 11-19
  - 20+
- Capacity Groups:
  - Small: < 20 Beds
  - Medium: 20 to 39 Beds
  - Large: 40+ Beds

# Calculations

- Allow comparisons across organizations of different sizes

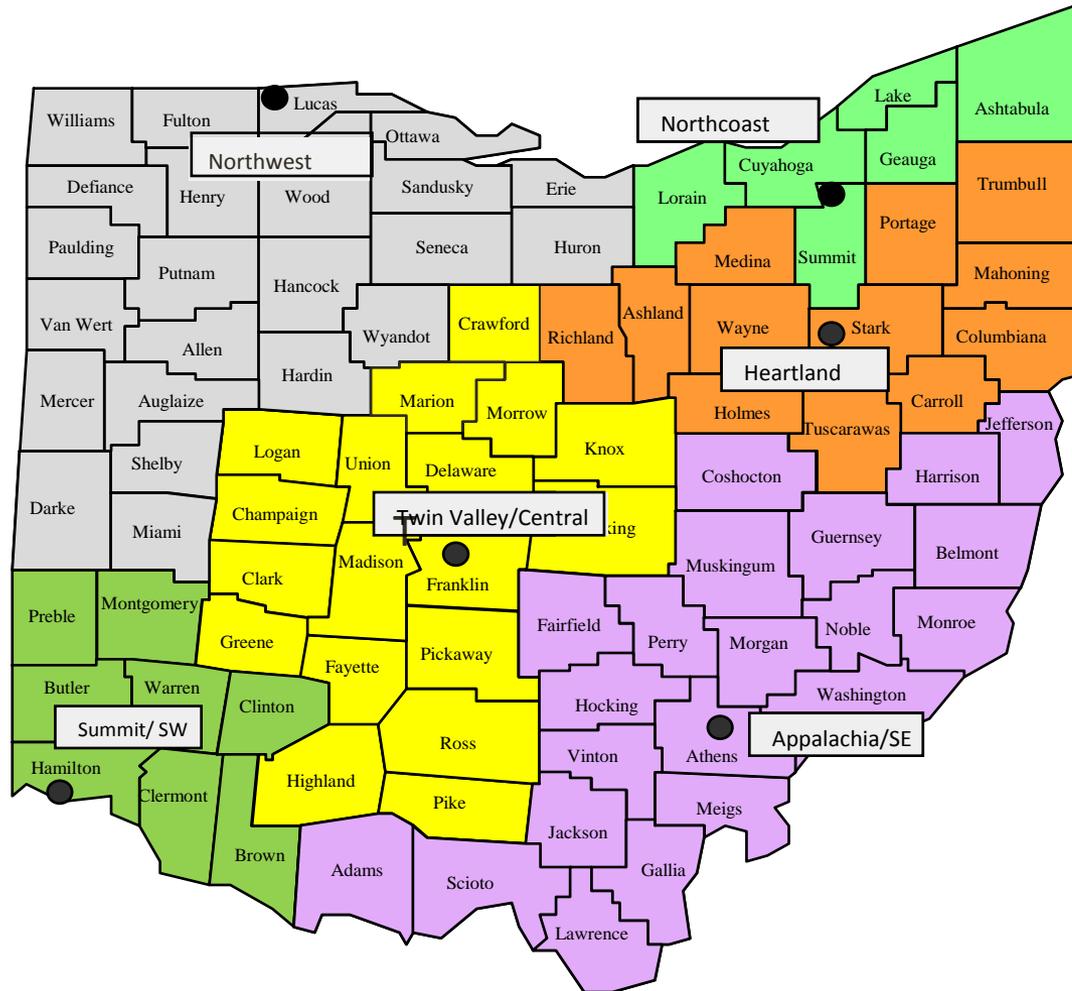
- Seclusion/Restrains per 1000 Patient Day =

$$\frac{\text{Total \# of Seclusions/Restrains}}{\text{Total \# of Patient Days}} \times 1000$$

- Avg. Duration per Seclusion/Restraint =

$$\frac{\text{Total Minutes of Sec/Restraint}}{\text{Total \# of Sec/Restrains}} \times 1000$$

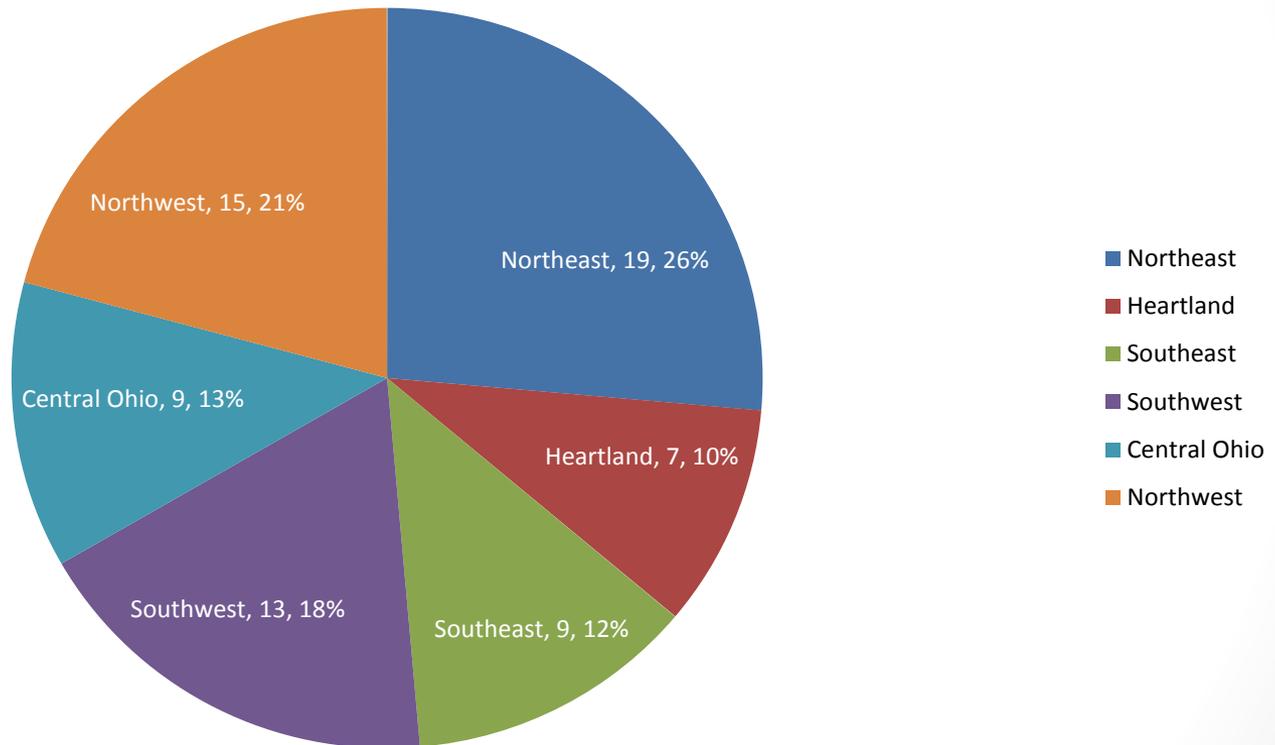
# Geographical Regions





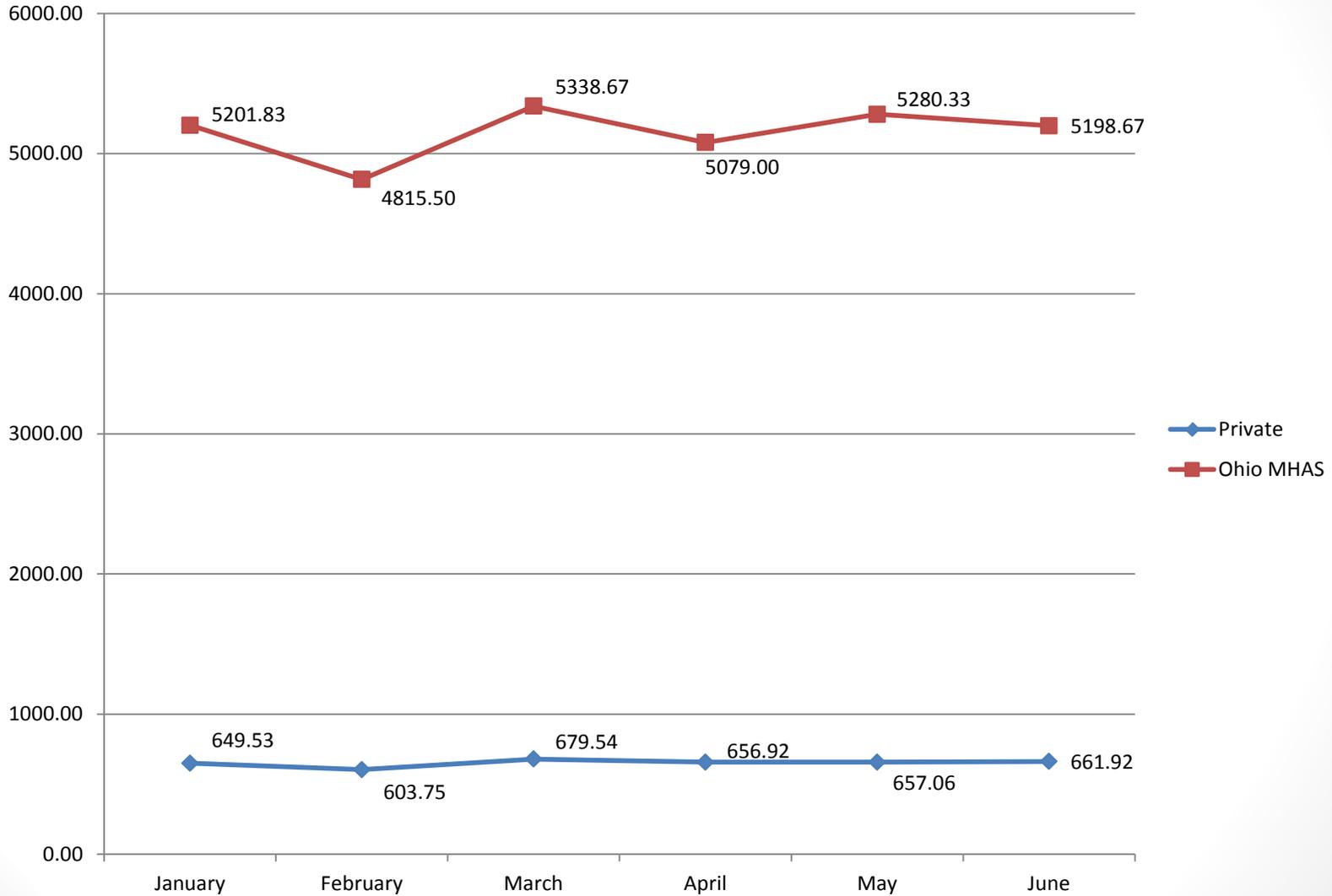
# Inpatient Providers Serving Adults

## Adult-Serving Hospitals by Geographic Area January-June 2014 (N = 72)



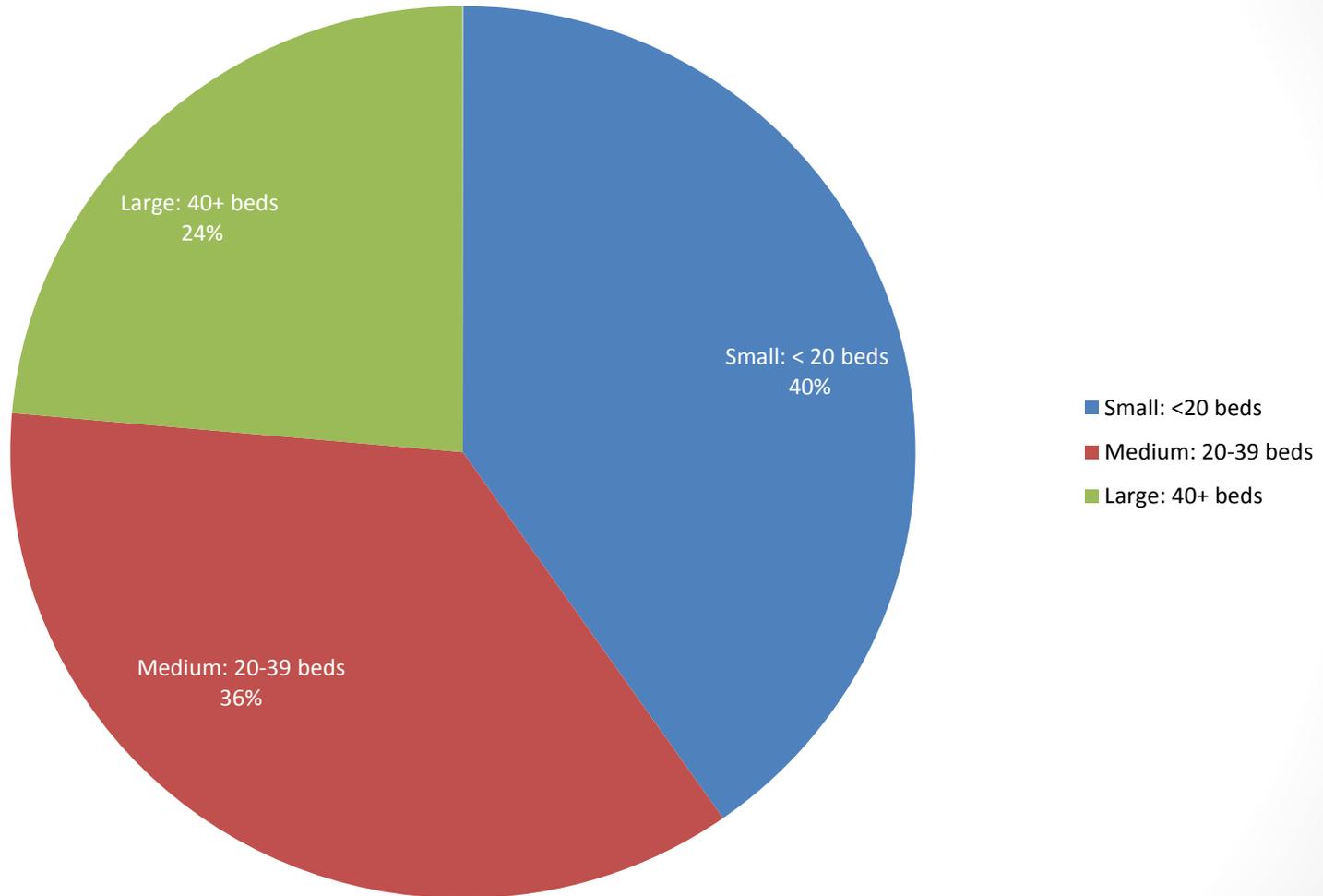


## Average Number of Patient Days per Month: Private vs. State

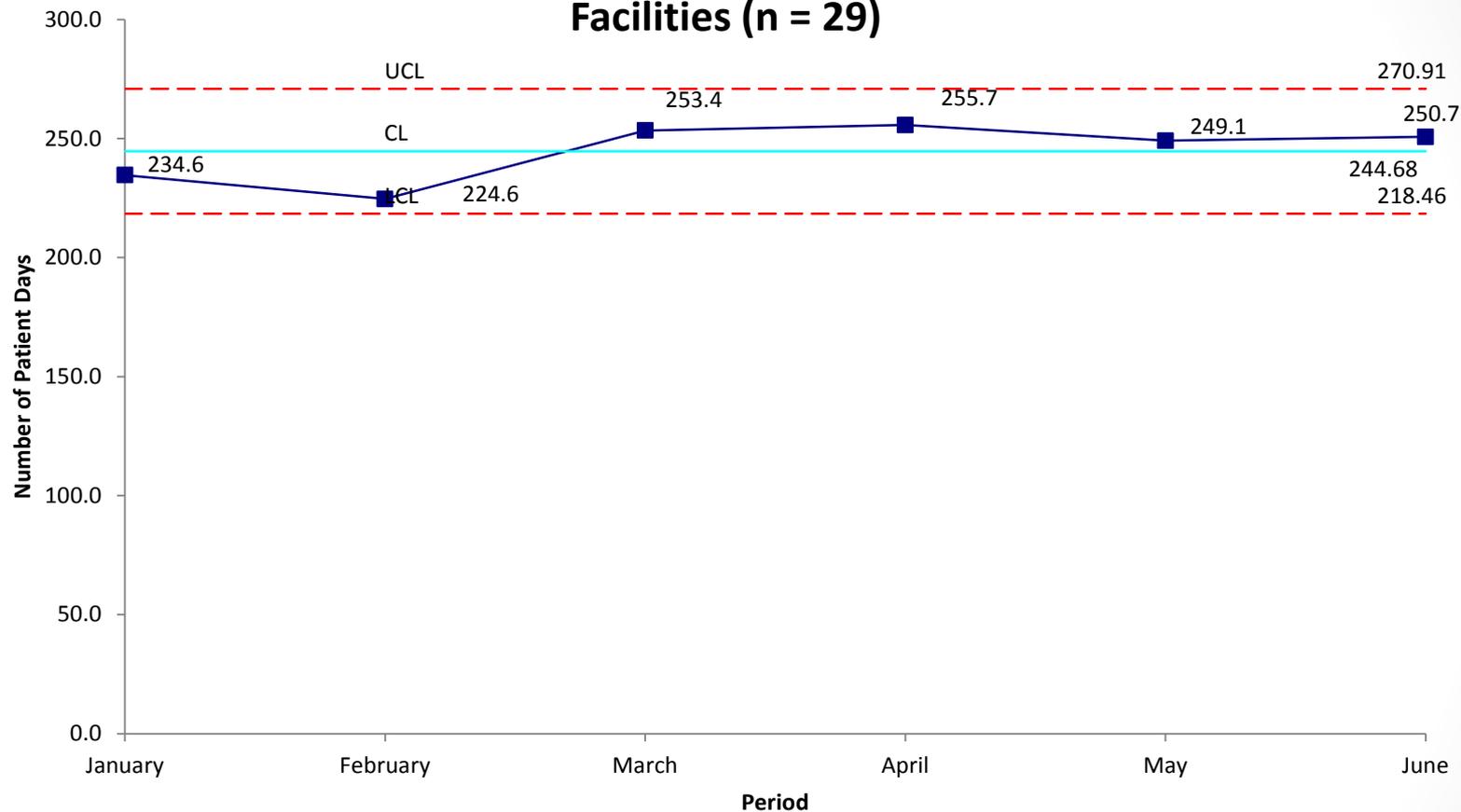




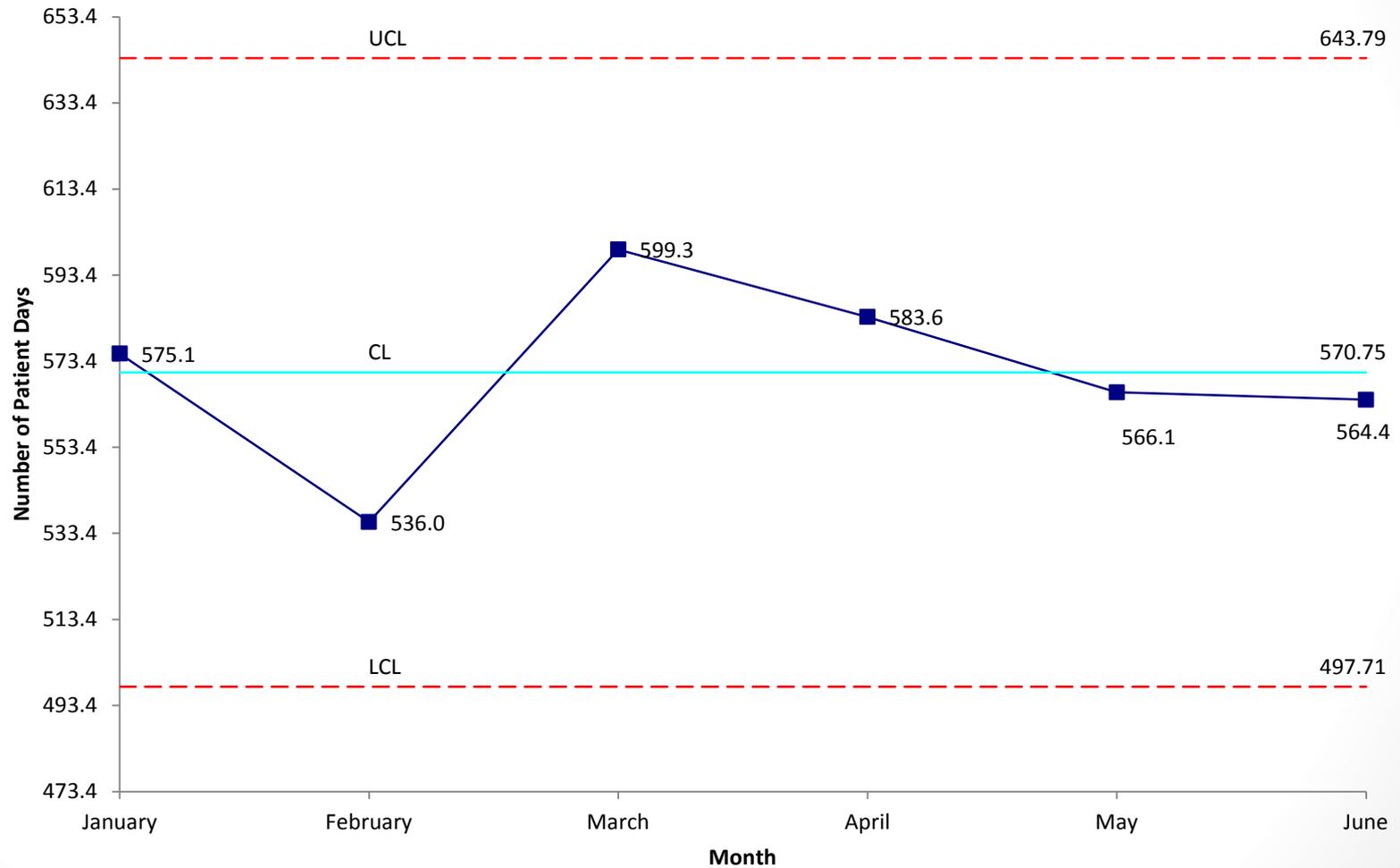
## Private hospitals by Capacity (Number of Licensed Beds)



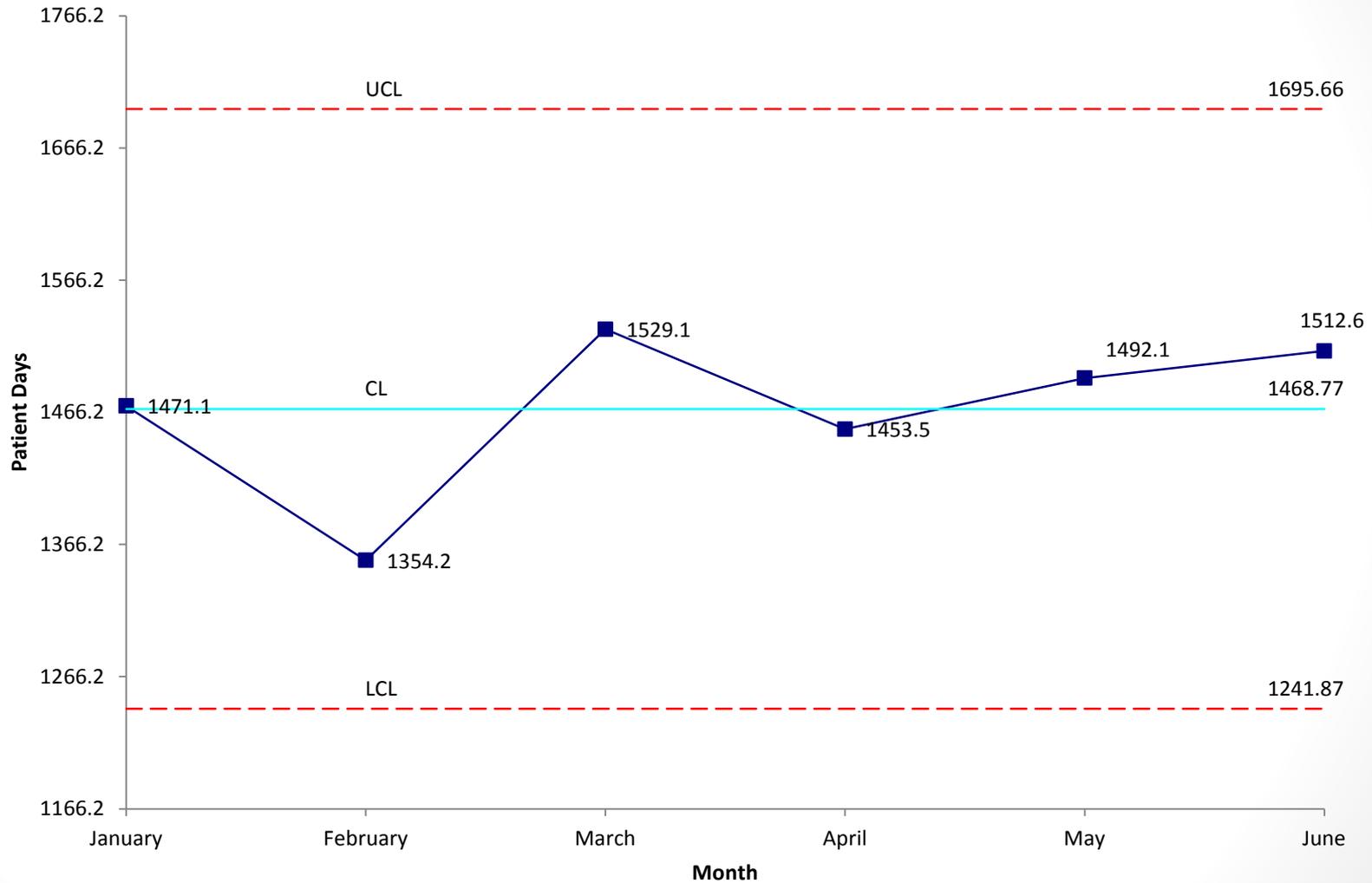
## Average Number of Patient Days per Month among Small Adult Facilities (n = 29)



## Average Number of Patient Days per Month among Medium-Sized Adult Facilities (n = 17)



# Average Number of Patient Days Per Month among Large Adult Facilities (n = 26)



# Occupancy

- Definition:

Total Number of Patient days

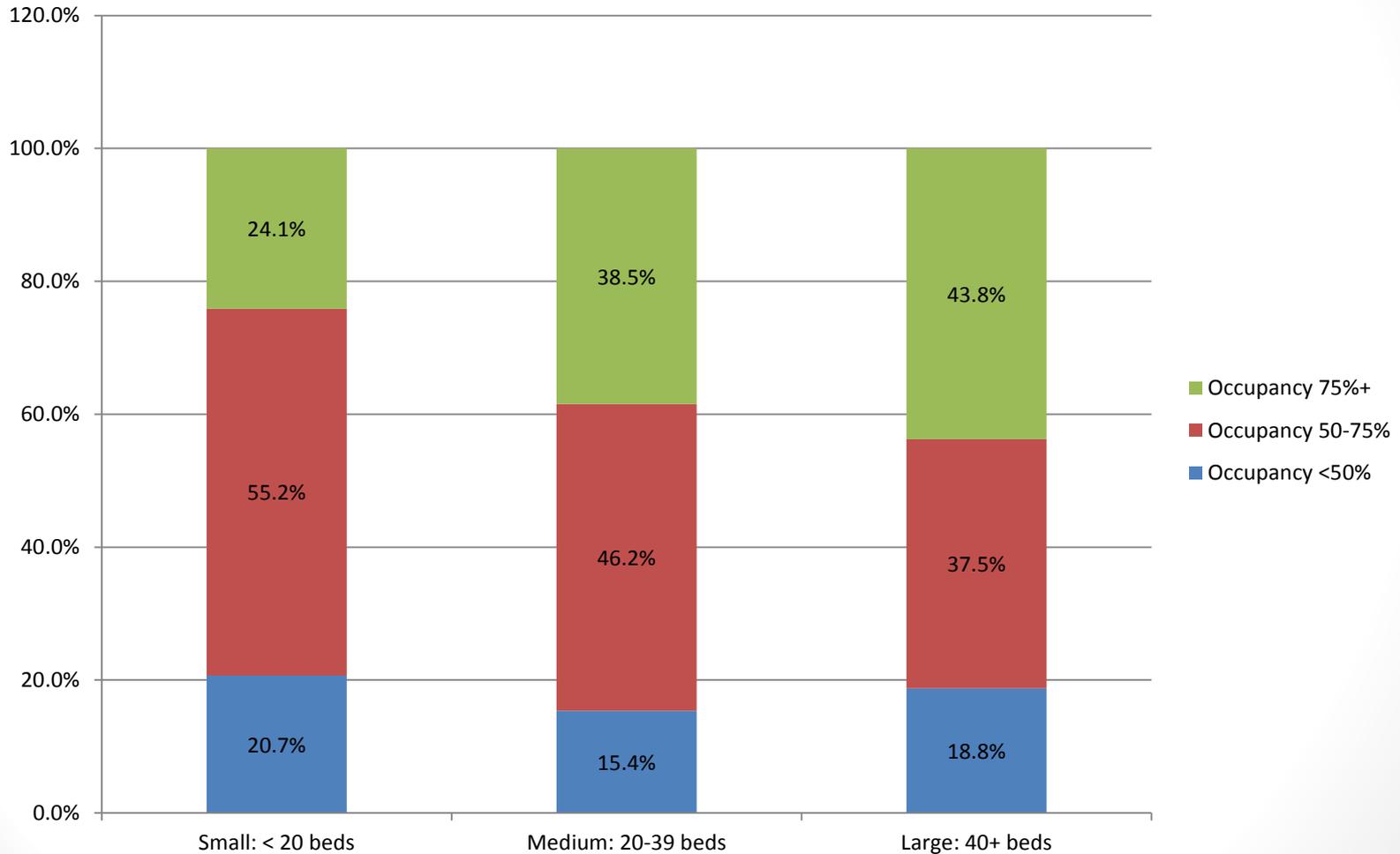
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(Number of licensed beds \* Number of Calendar Days)

- Mean: 65.03%      sd: 21.08
- Occupancy by category:
  - Less than 50%: n = 13, 18.3% of sample
  - 50 to 75%: n = 34, 47.9% of sample
  - 75% and Above: n = 24, 33.8% of sample



# Occupancy by Capacity Group



# Average Daily Census

Formula:

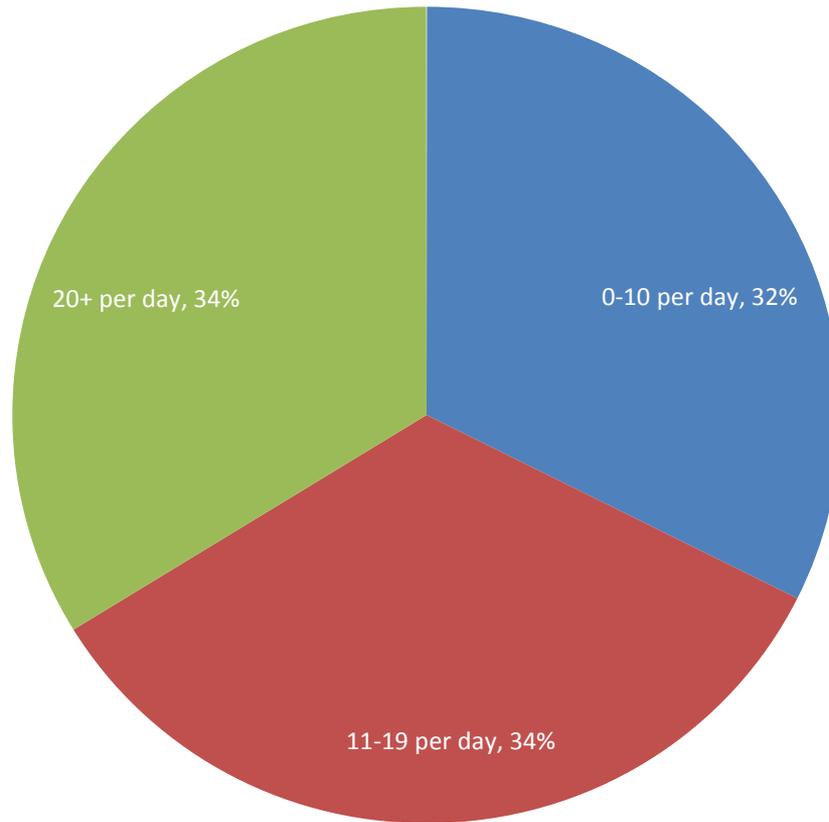
Total Number of Patient days

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Number of Calendar Days

- Min: 0
- Max: 260.41
- Mean: 32.46
- Sd: 47.41

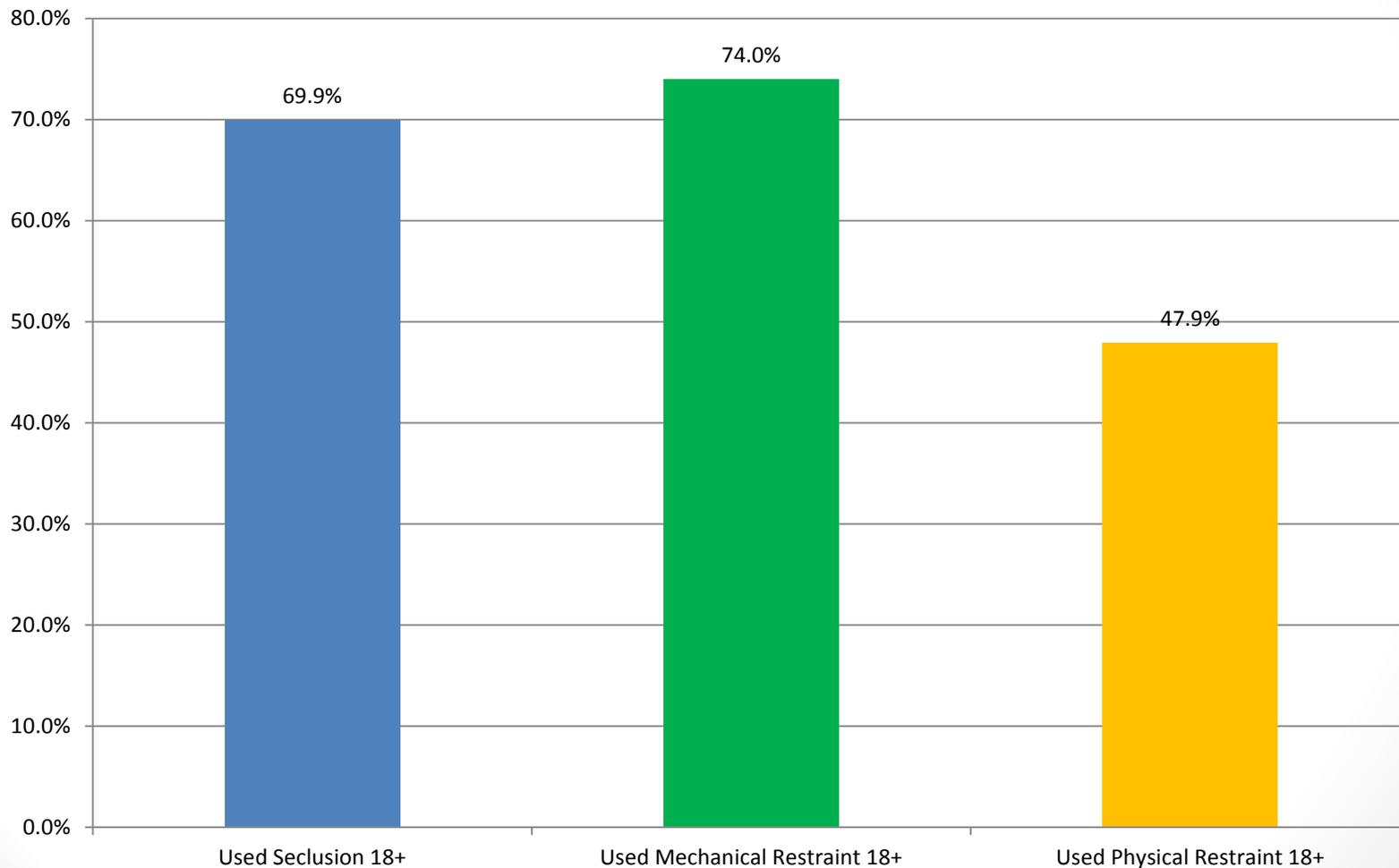
# Average Daily Census: Private Facilities



# Utilization of Seclusion and Restraint

January to June, 2013	n
Hospitals that reported Seclusions	51
Hospitals that reported Physical Restraints	35
Hospitals that reported Mechanical Restraints	54
All Adult Hospitals	72

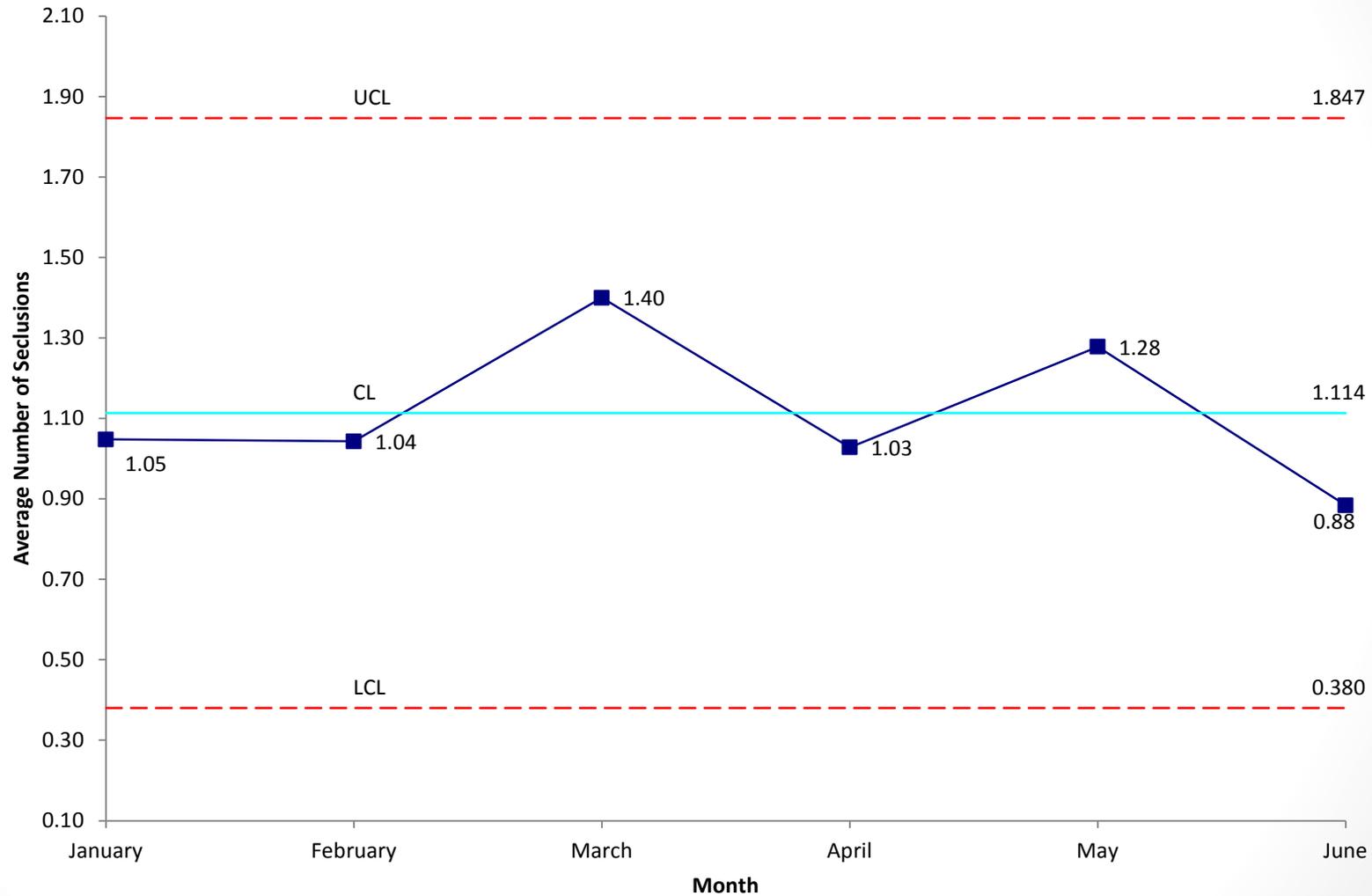
# Percentage of Inpatient Providers Reporting Seclusions and Restraints



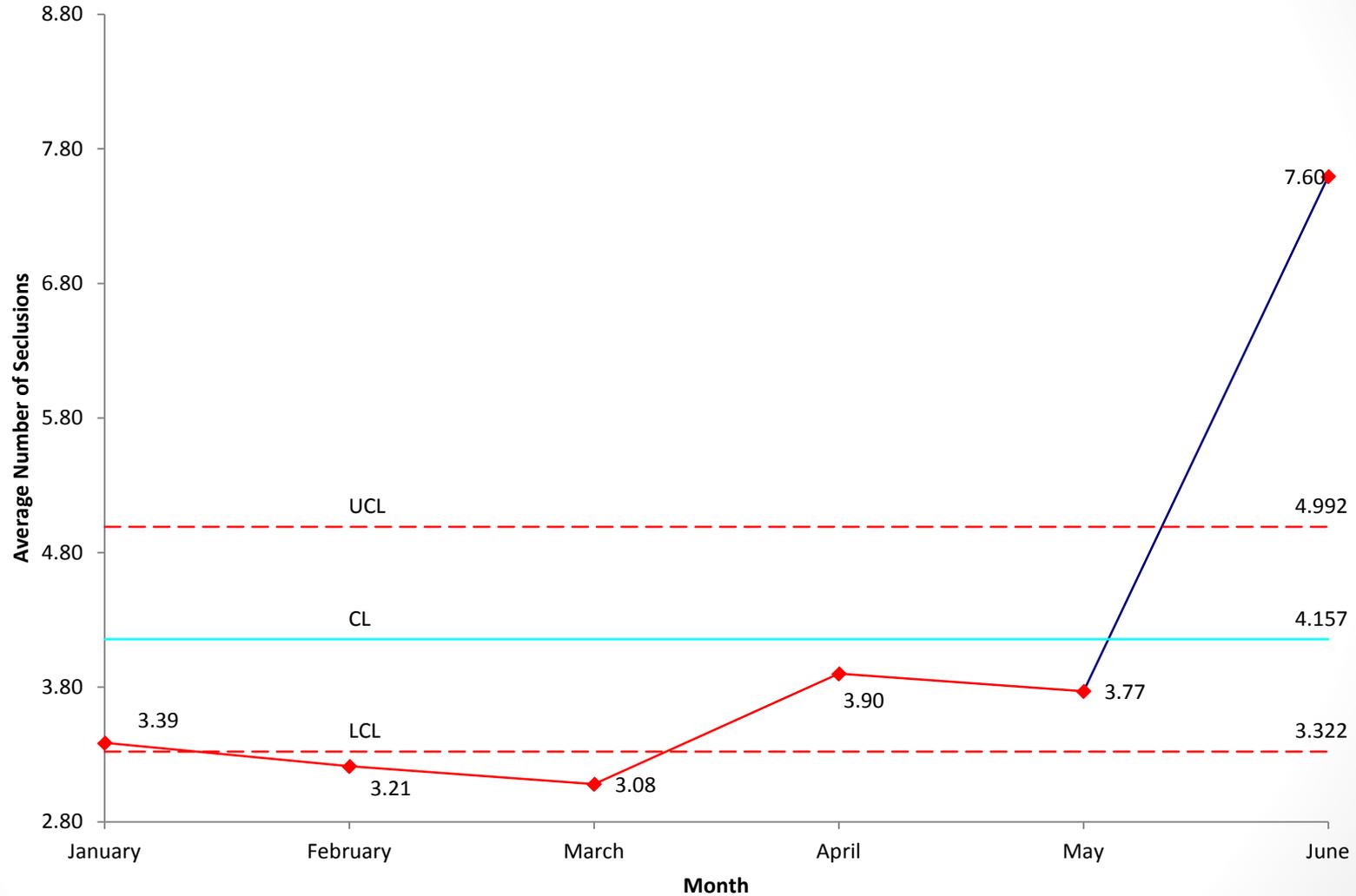
# Definition of Seclusion

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

## Average Number of Seclusions per 1,000 Patient Days among Small Adult Facilities (n = 29)

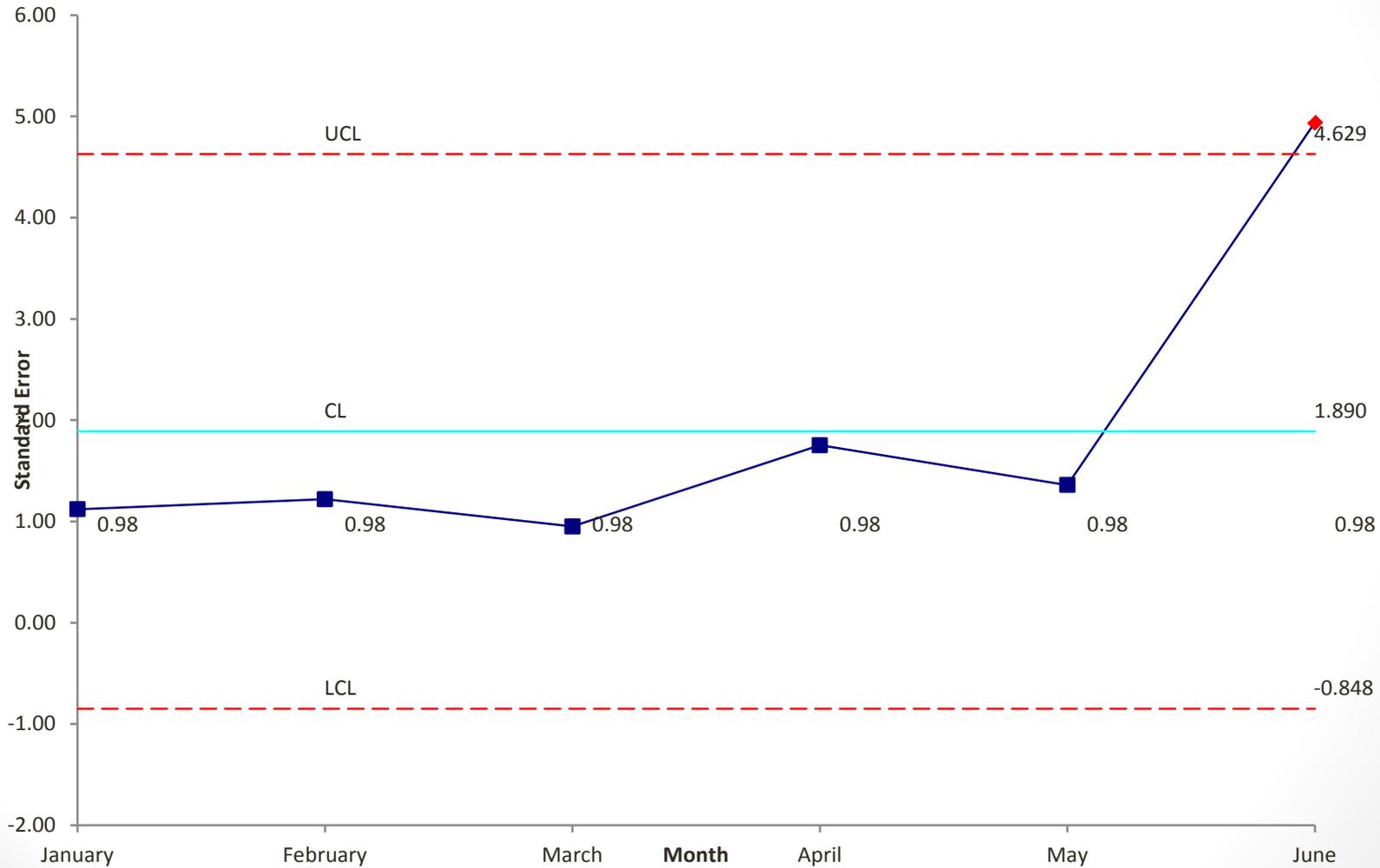


## Average Number of Seclusions per 1,000 Patient Days among Medium-Sized Adult Facilities (n = 17)

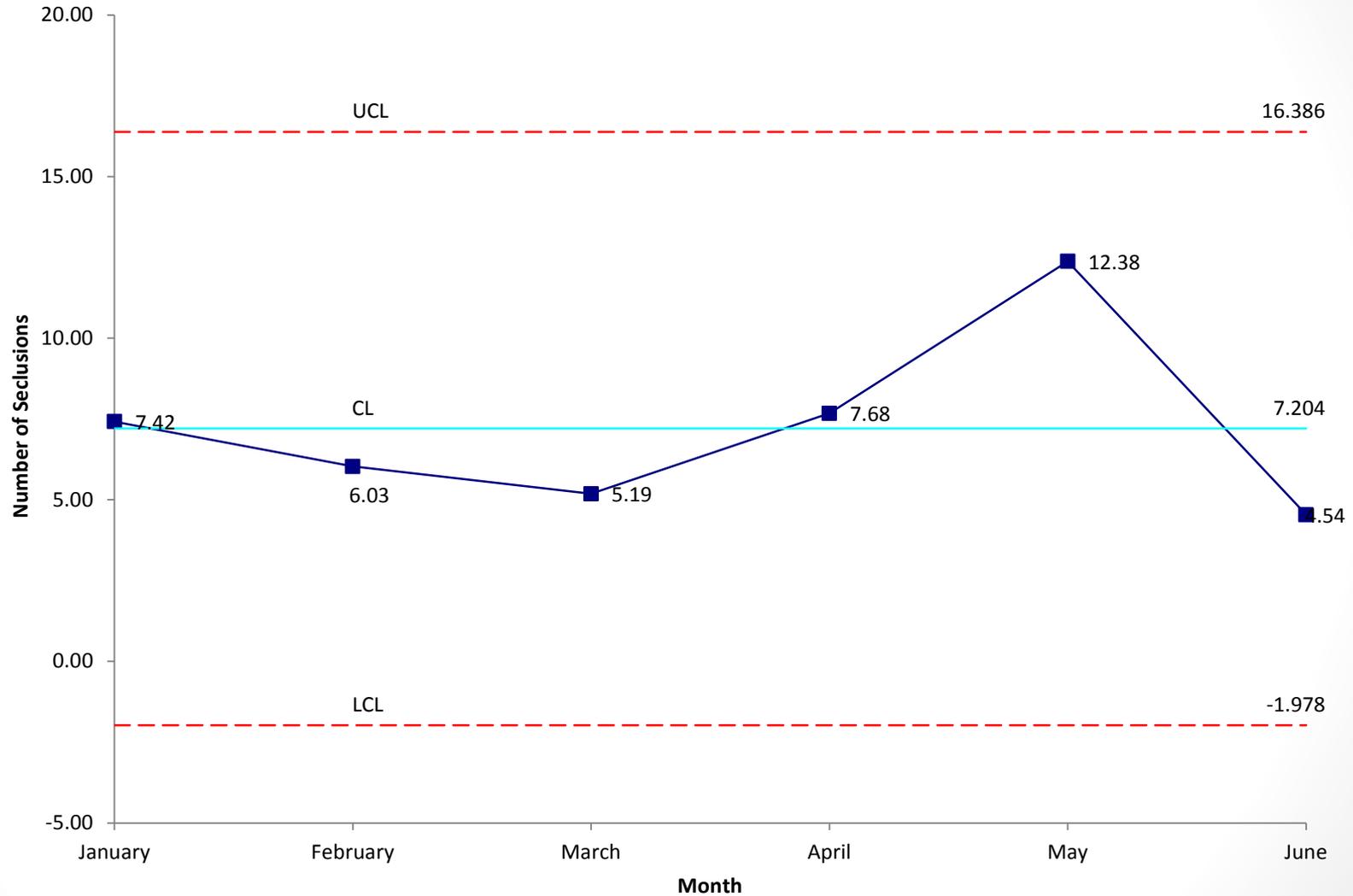




## Standard Deviation: Number of Seclusions per 1,000 Client Days among Medium-Sized Adult Facilities (n = 17)

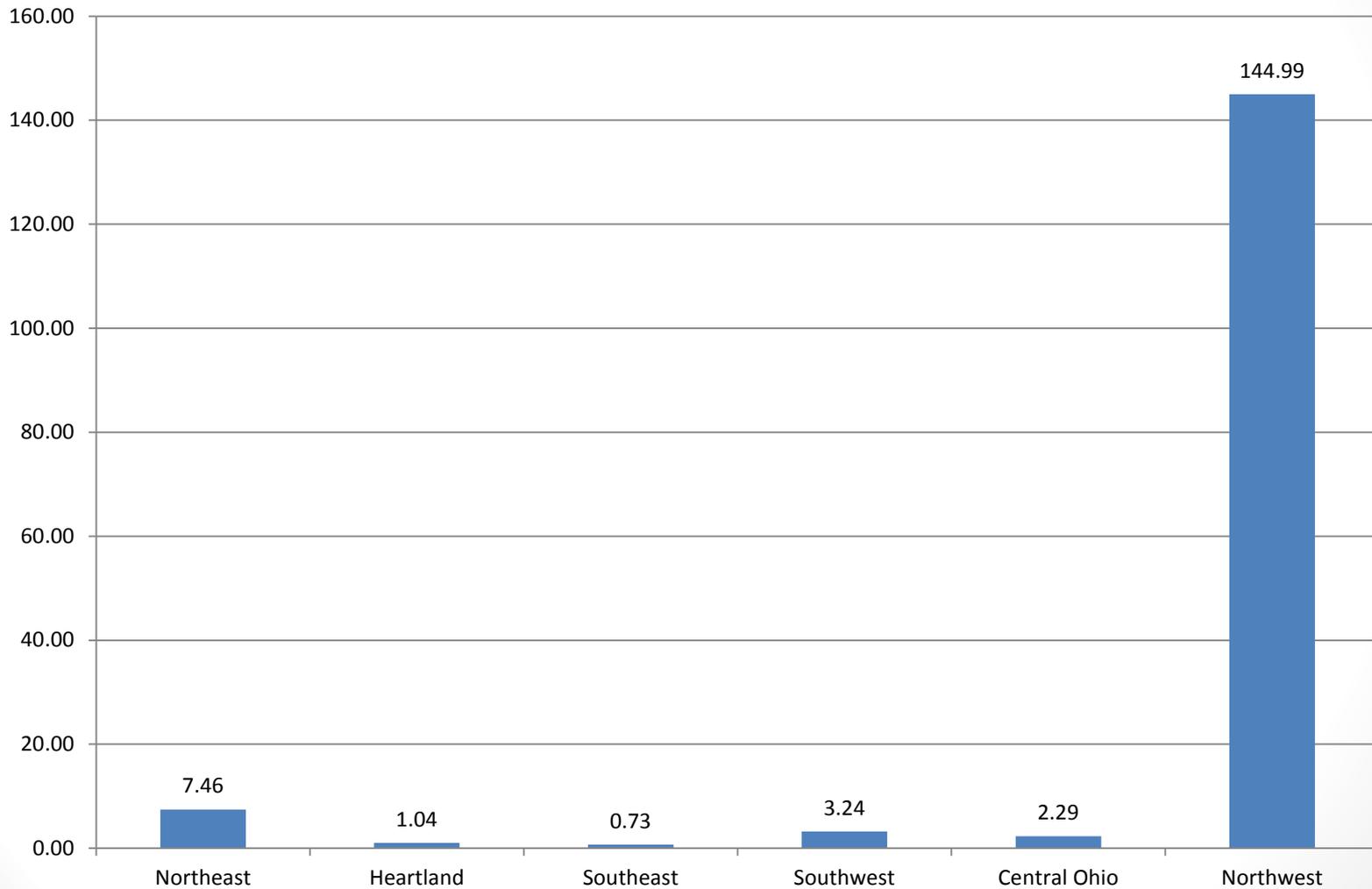


# Average Number of Seclusions per 1,000 Patient Days among Large Adult Facilities (n = 29)

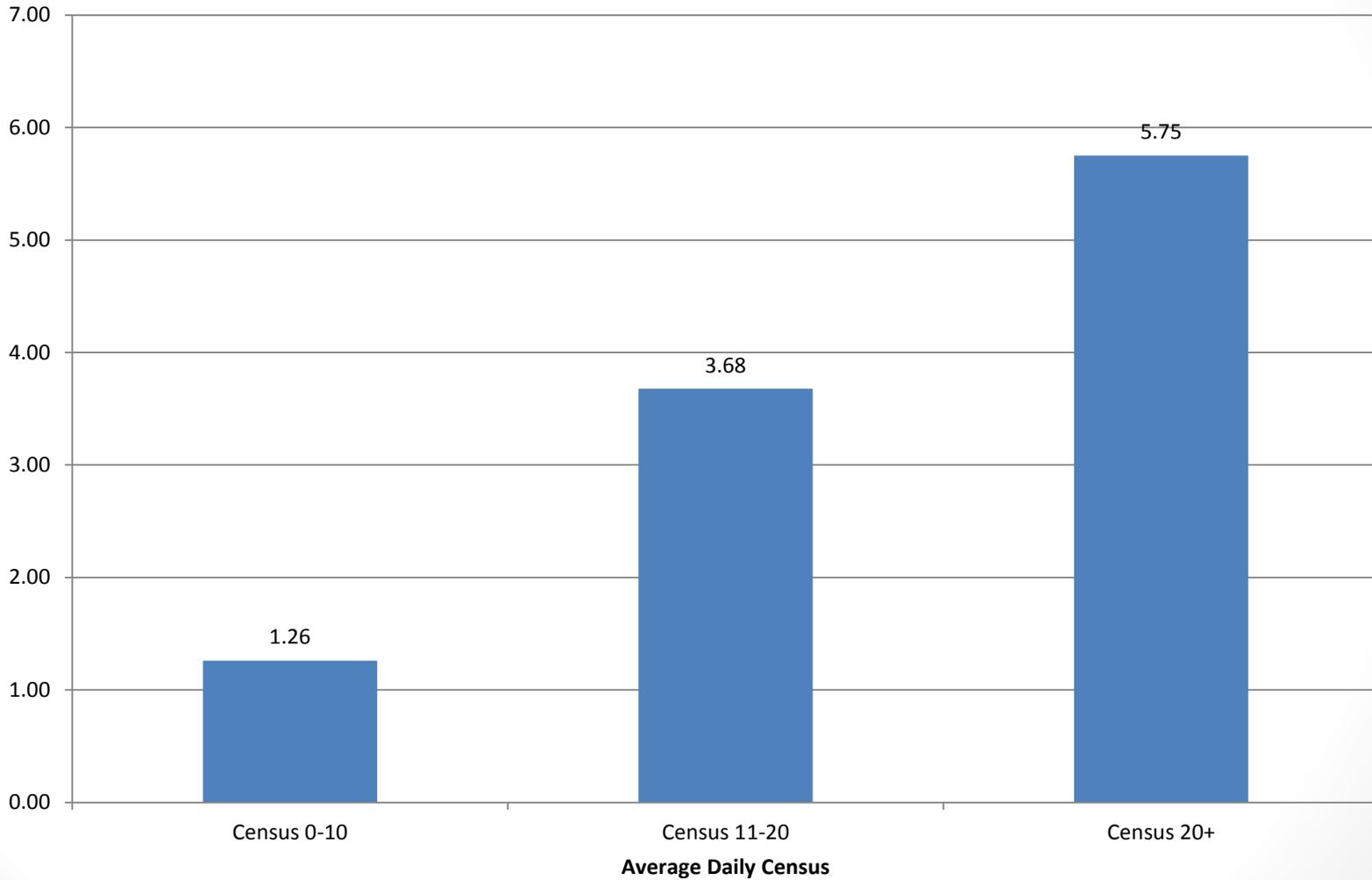




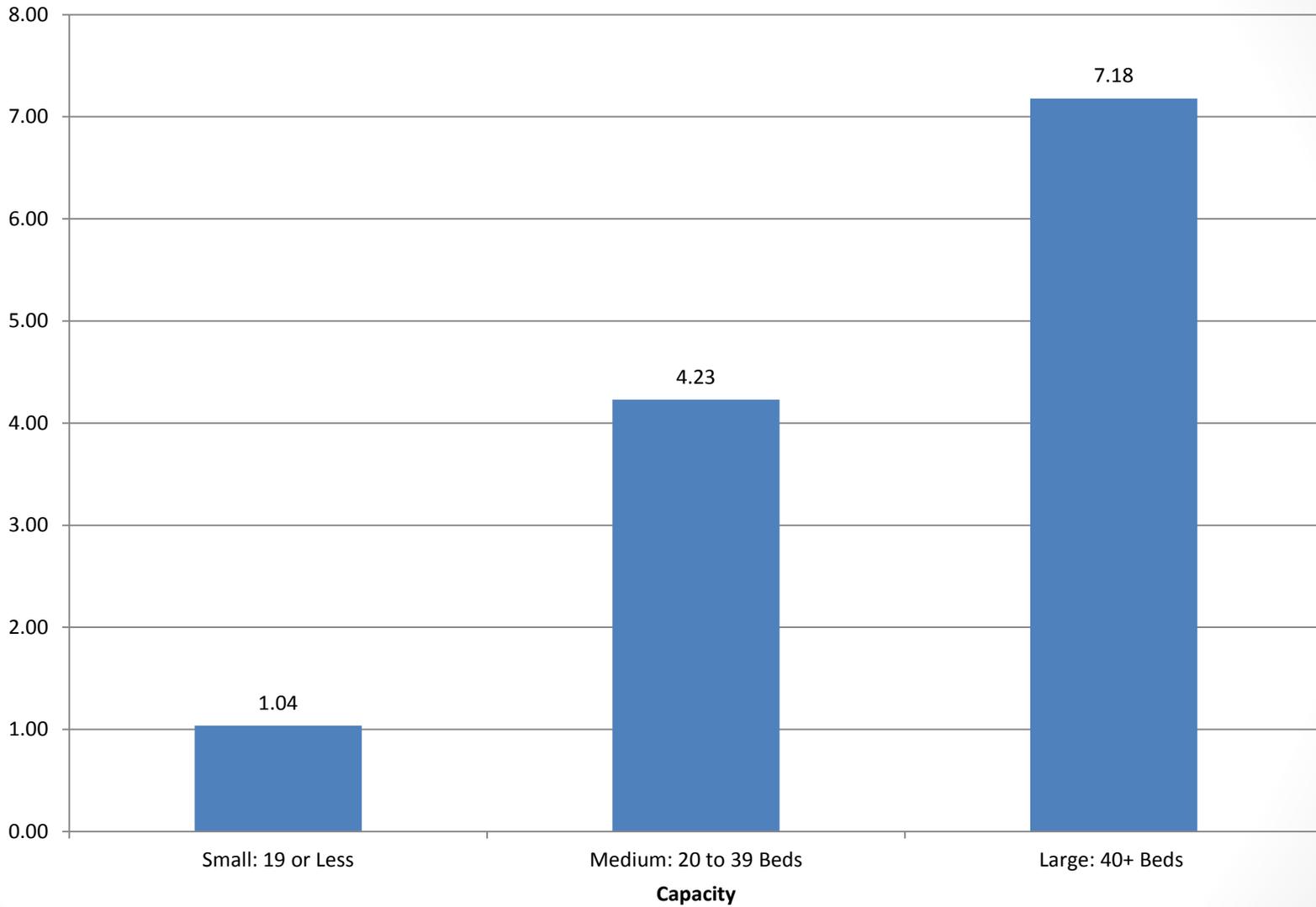
## Number of Adult Seclusions per 1000 Patient Days by Region



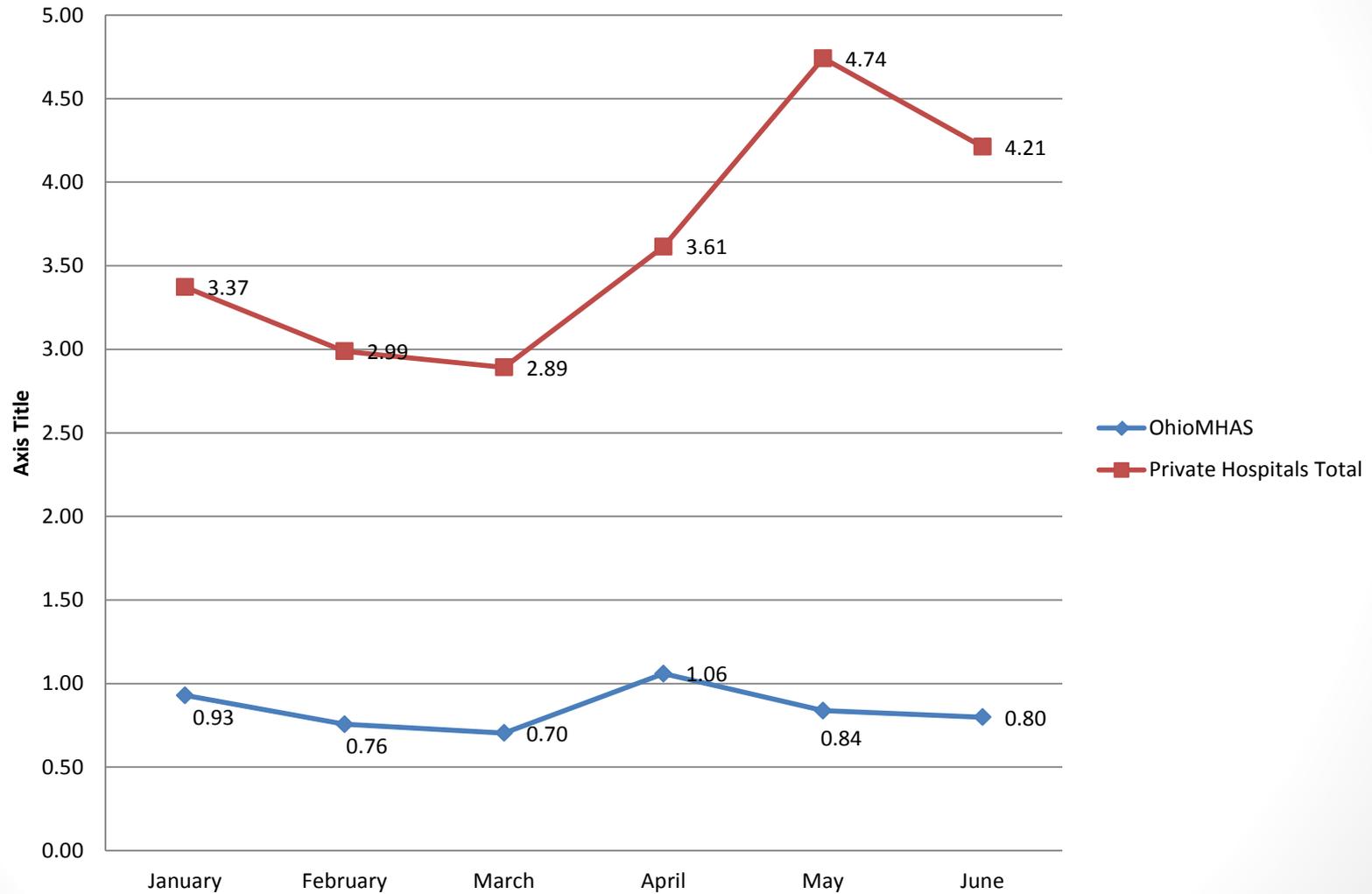
## Number of Adult Seclusions Jan-June per 1000 Days by Census Group



## Number of Adult Seclusions per 1000 days by Capacity Group

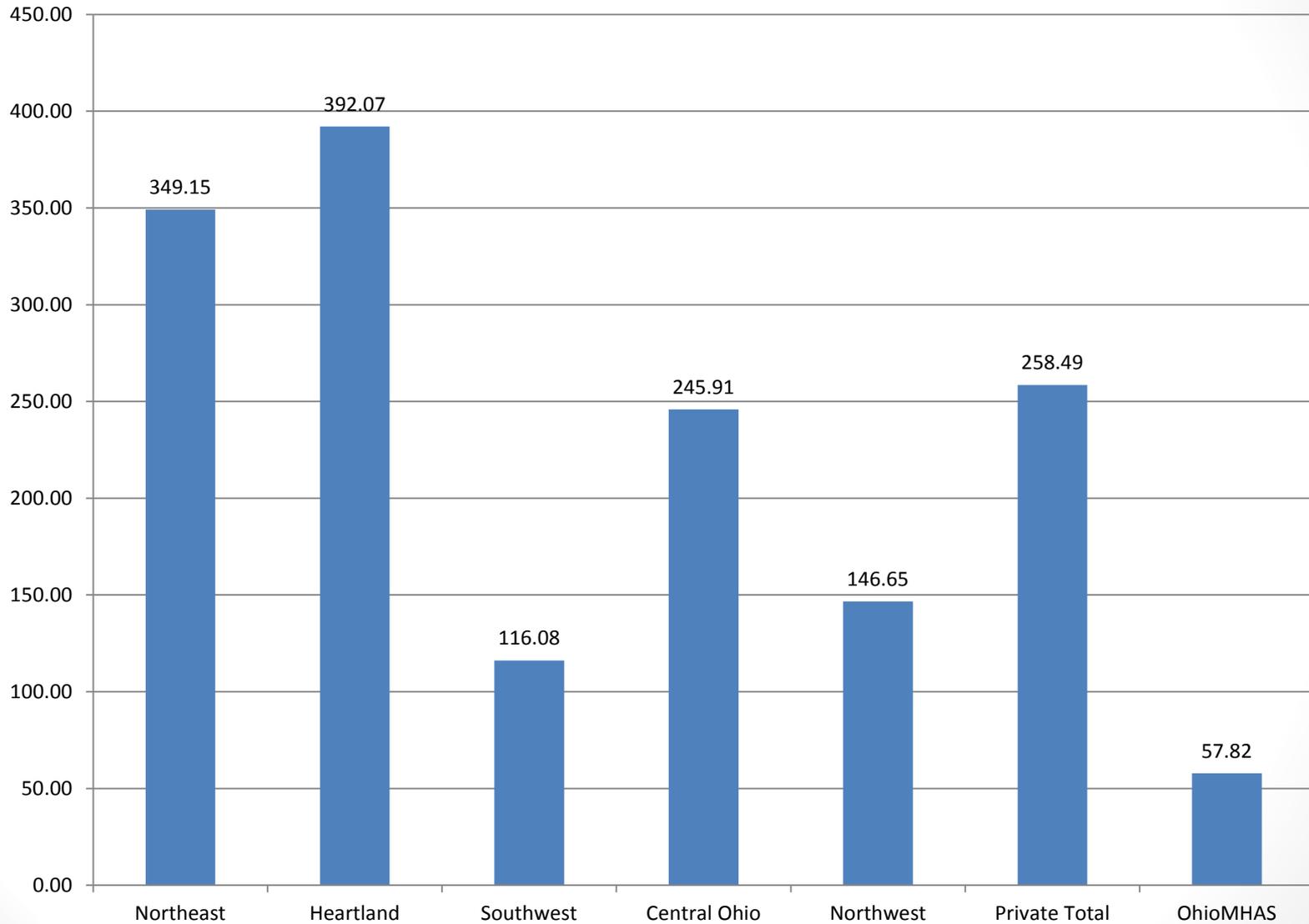


## Number of Seclusions per 1,000 Patient Days: Private vs. State Hospitals



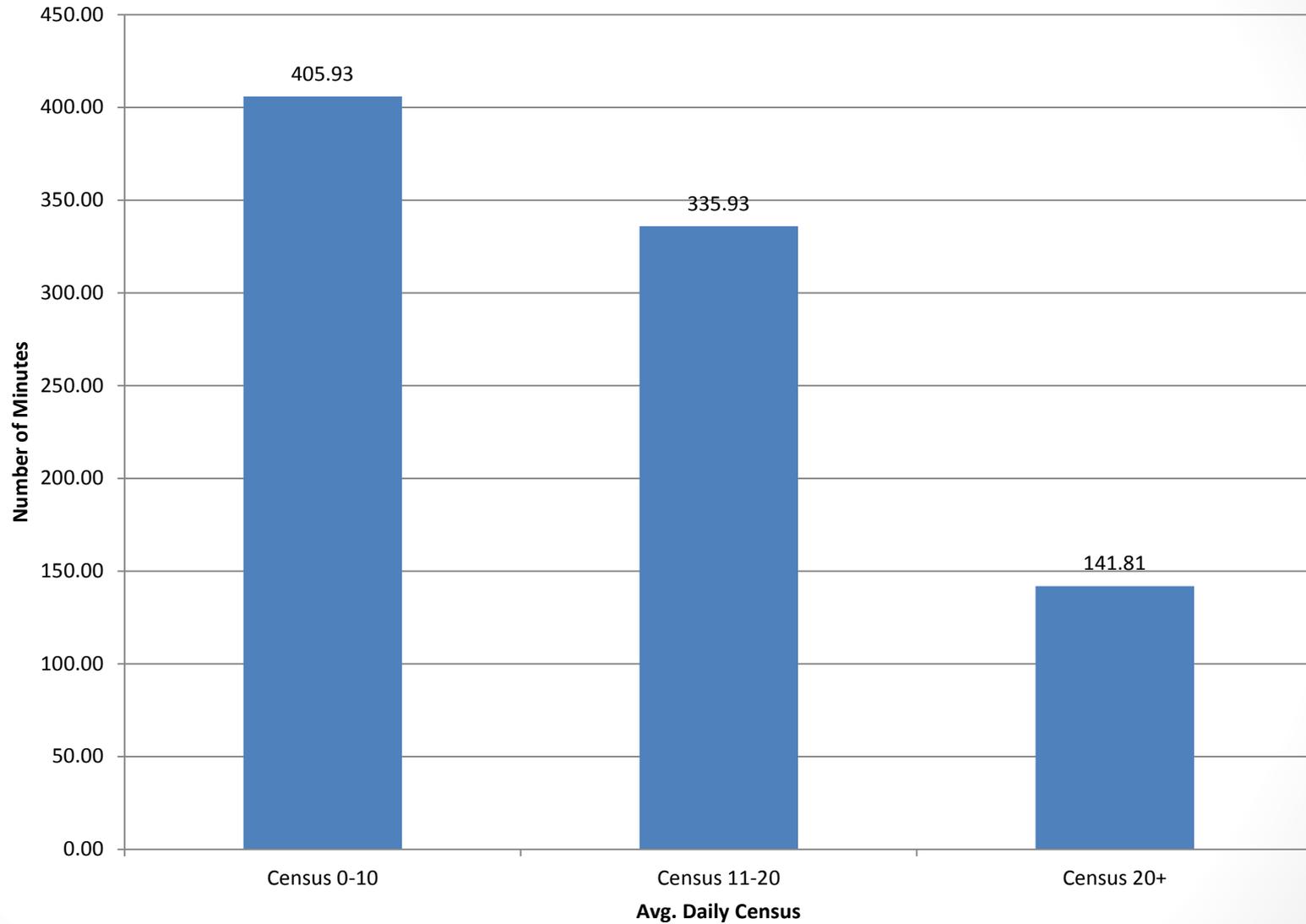


## Duration of Seclusion in Minutes: 6-Month Averages by Region

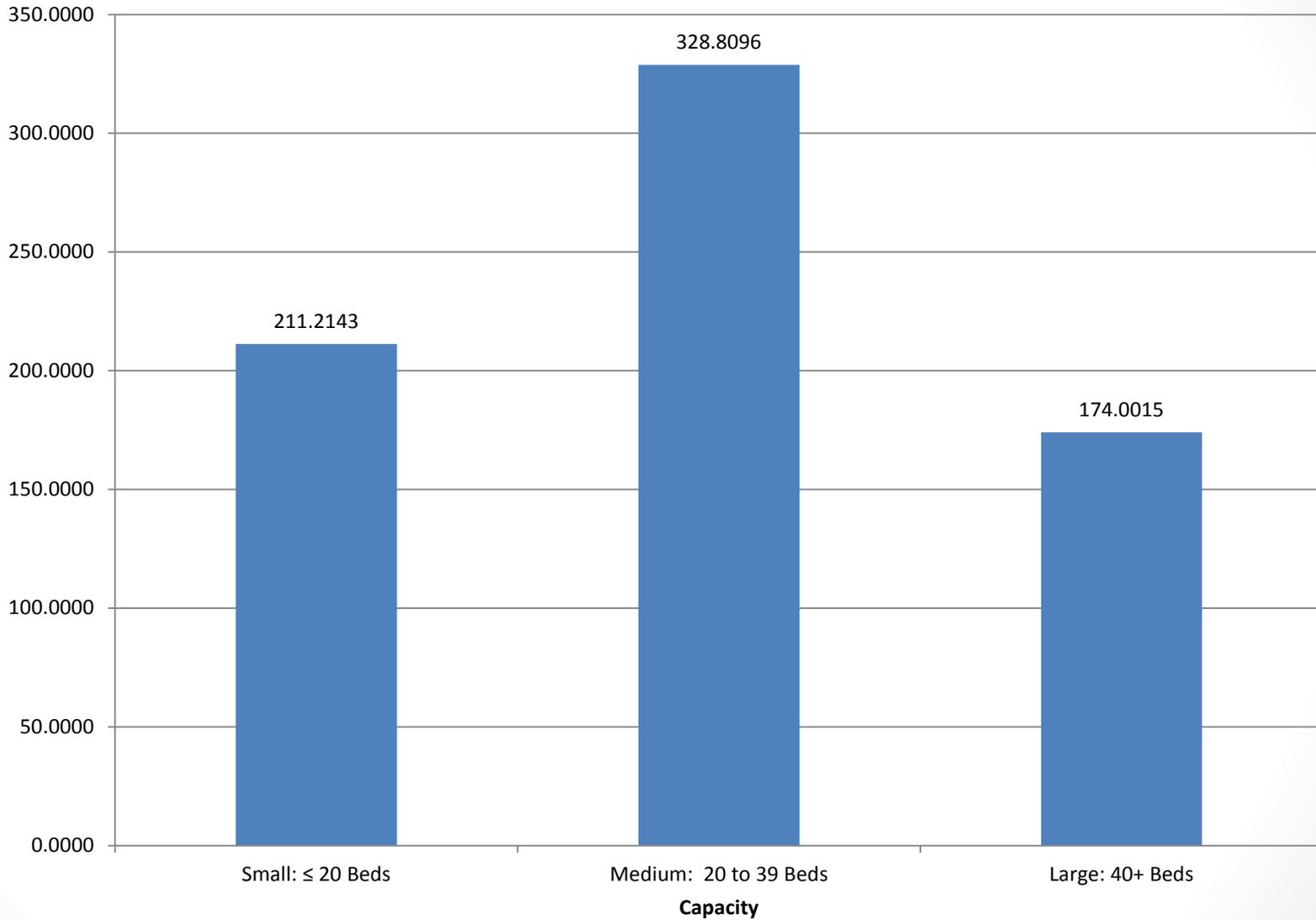




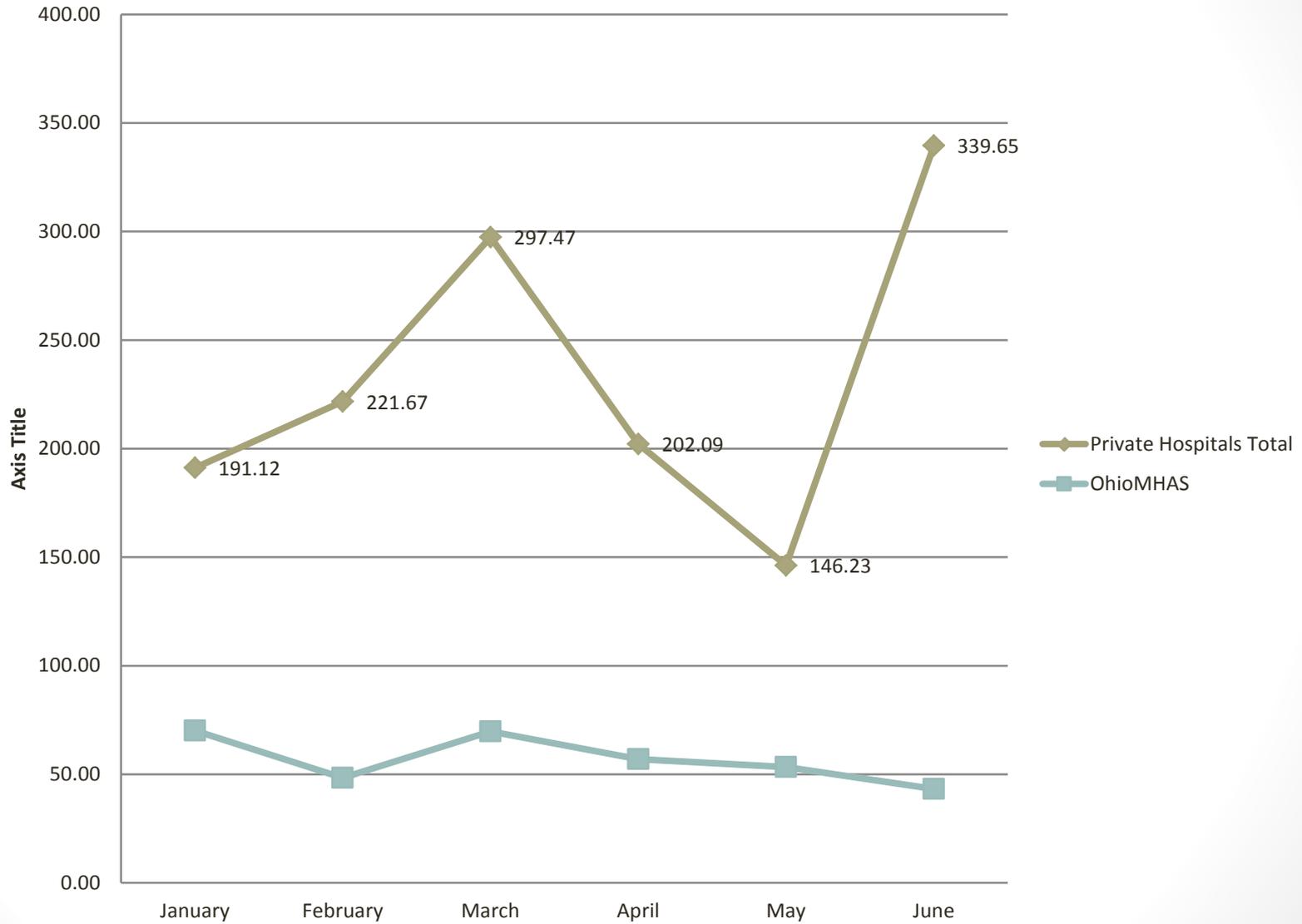
## Average Length of Seclusions in Minutes by Census Group



## Average Length of Seclusions in Minutes by Capacity Group



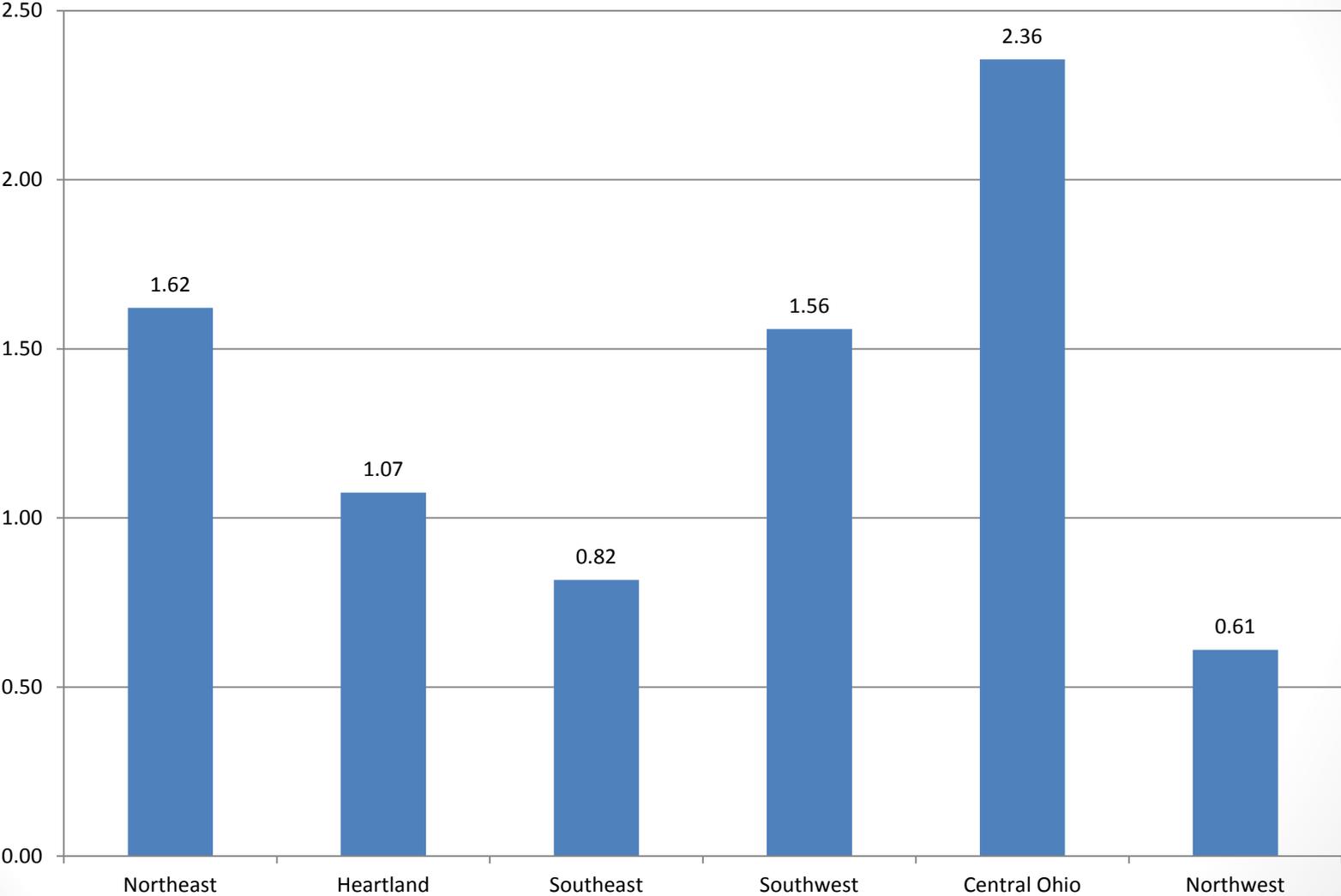
## Average Duration of Seclusion in Minutes



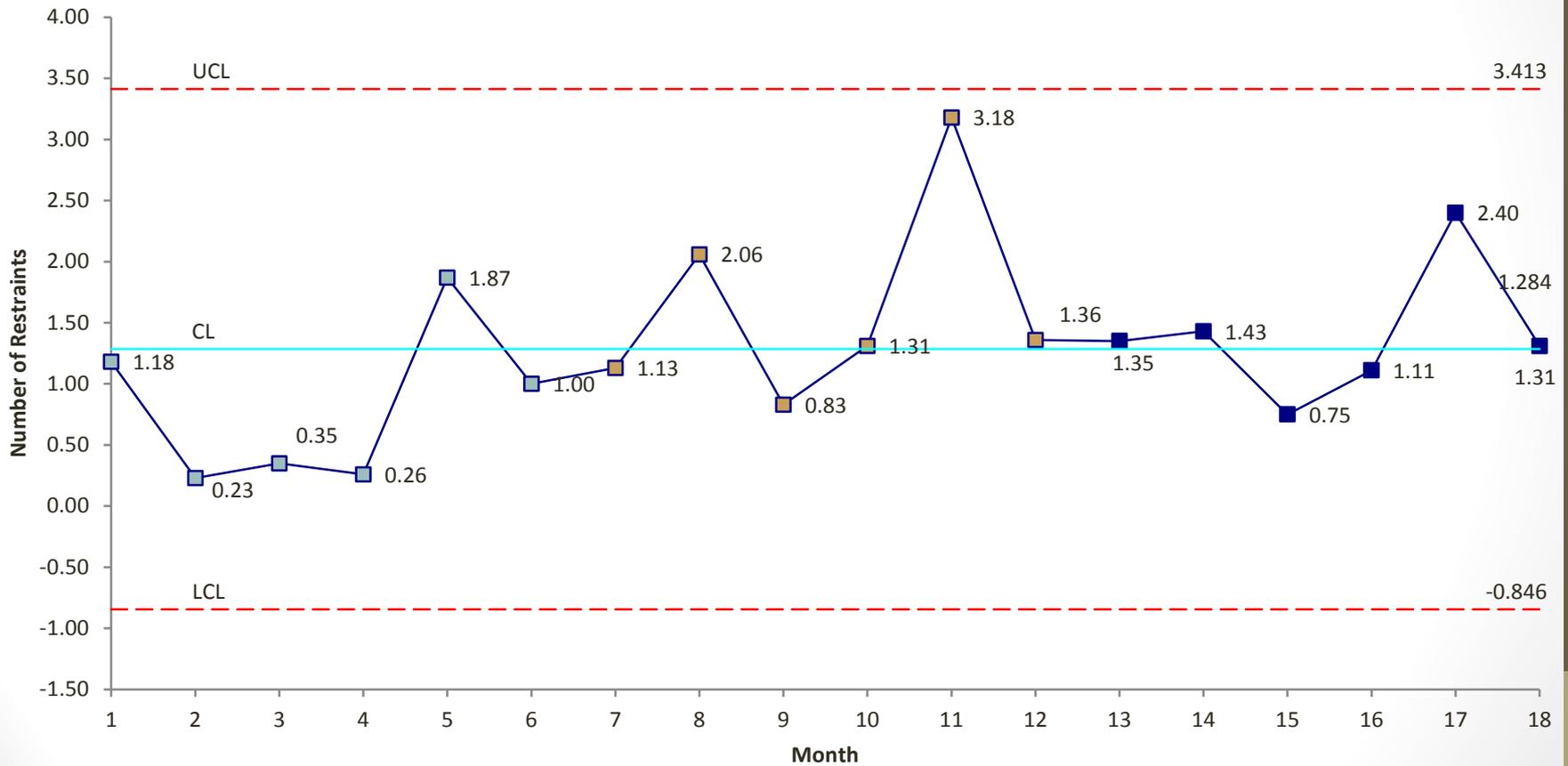
# Physical Restraint

- Definition: Also known as manual restraint, refers to 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 own body without the use of Mechanical Restraint devices.

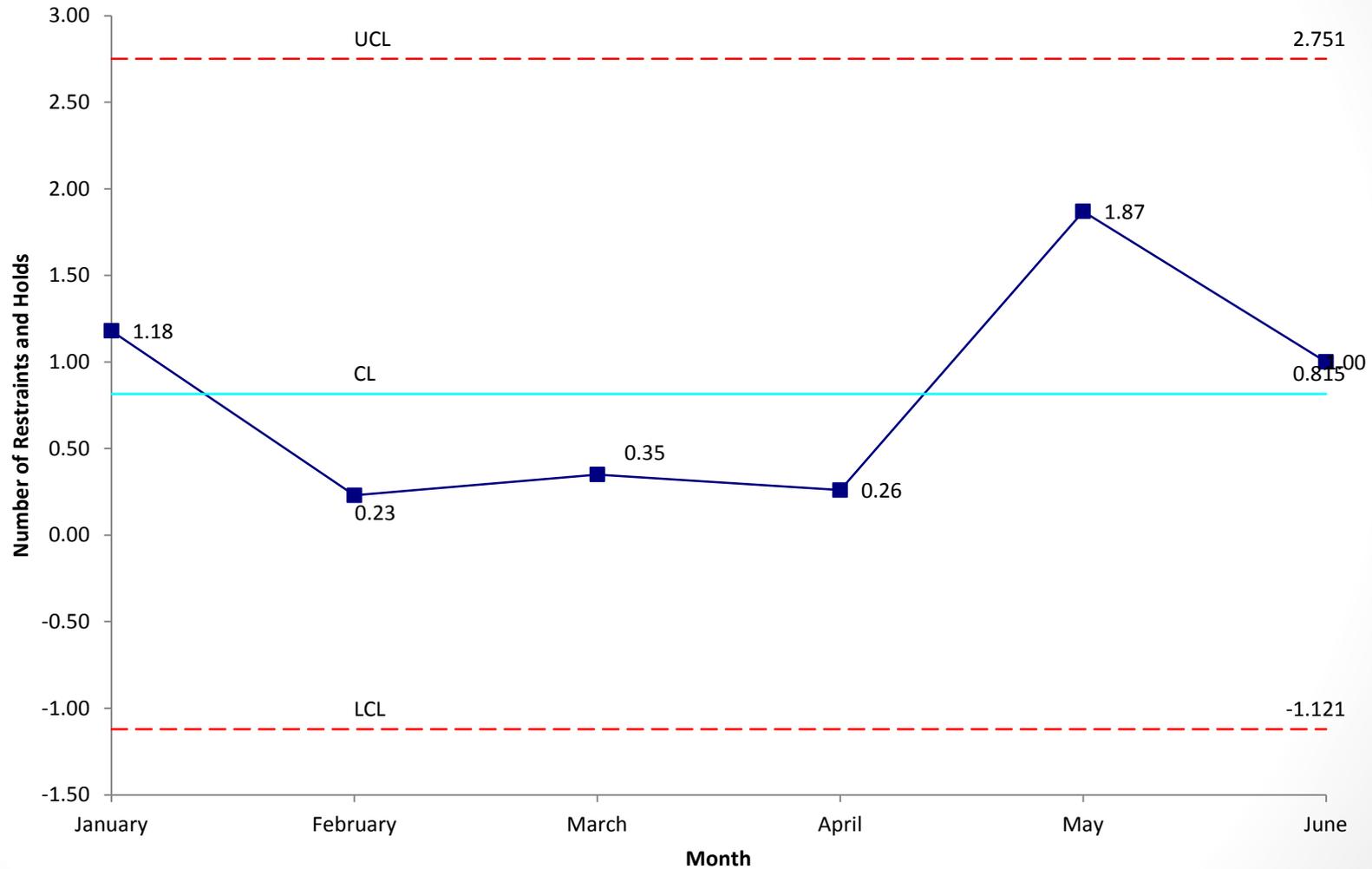
# Average Number of Physical Restraints per 1,000 Patient Days, by Region



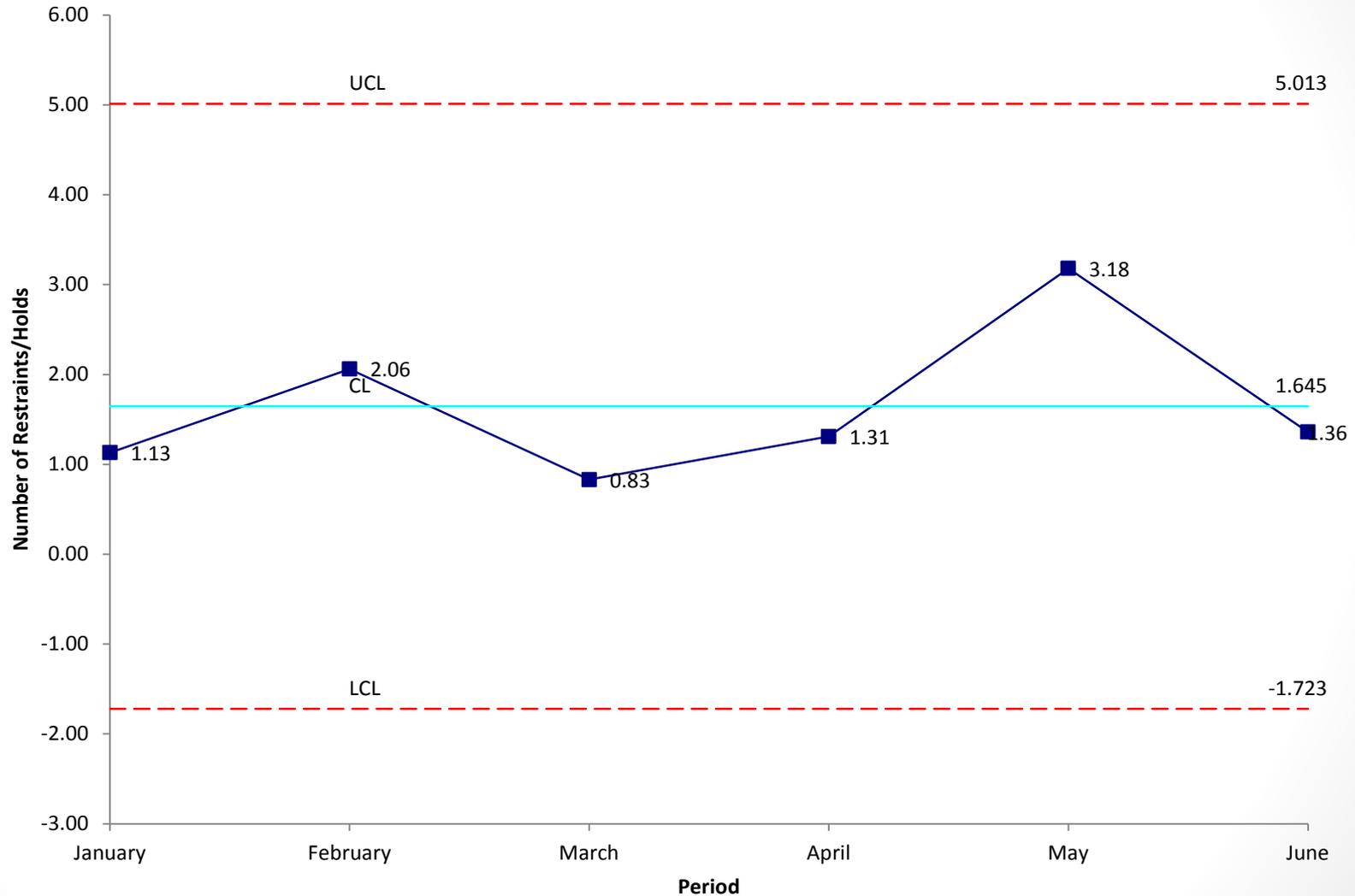
# Average Number of Physical Restraints/Transitional Holds Per Month among Adult Facilities by Facility Size



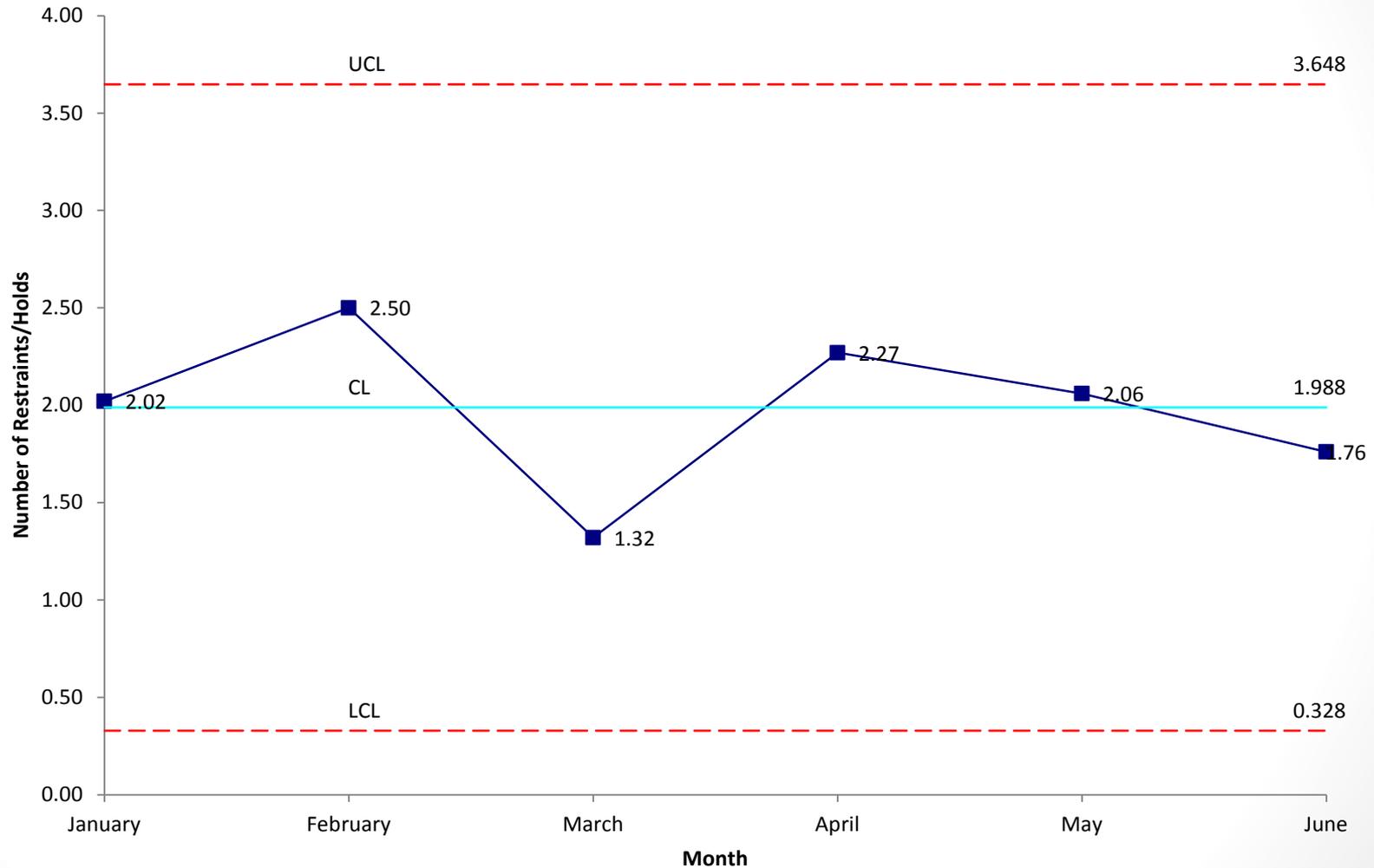
## Average Number of Physical Restraints and Transitional Holds per 1,000 Patient Days among Adults in Small Facilities



# Average Number of Physical Restraints/Transitional Holds per 1,000 Patient Days among Adults in Medium-Sized Facilities

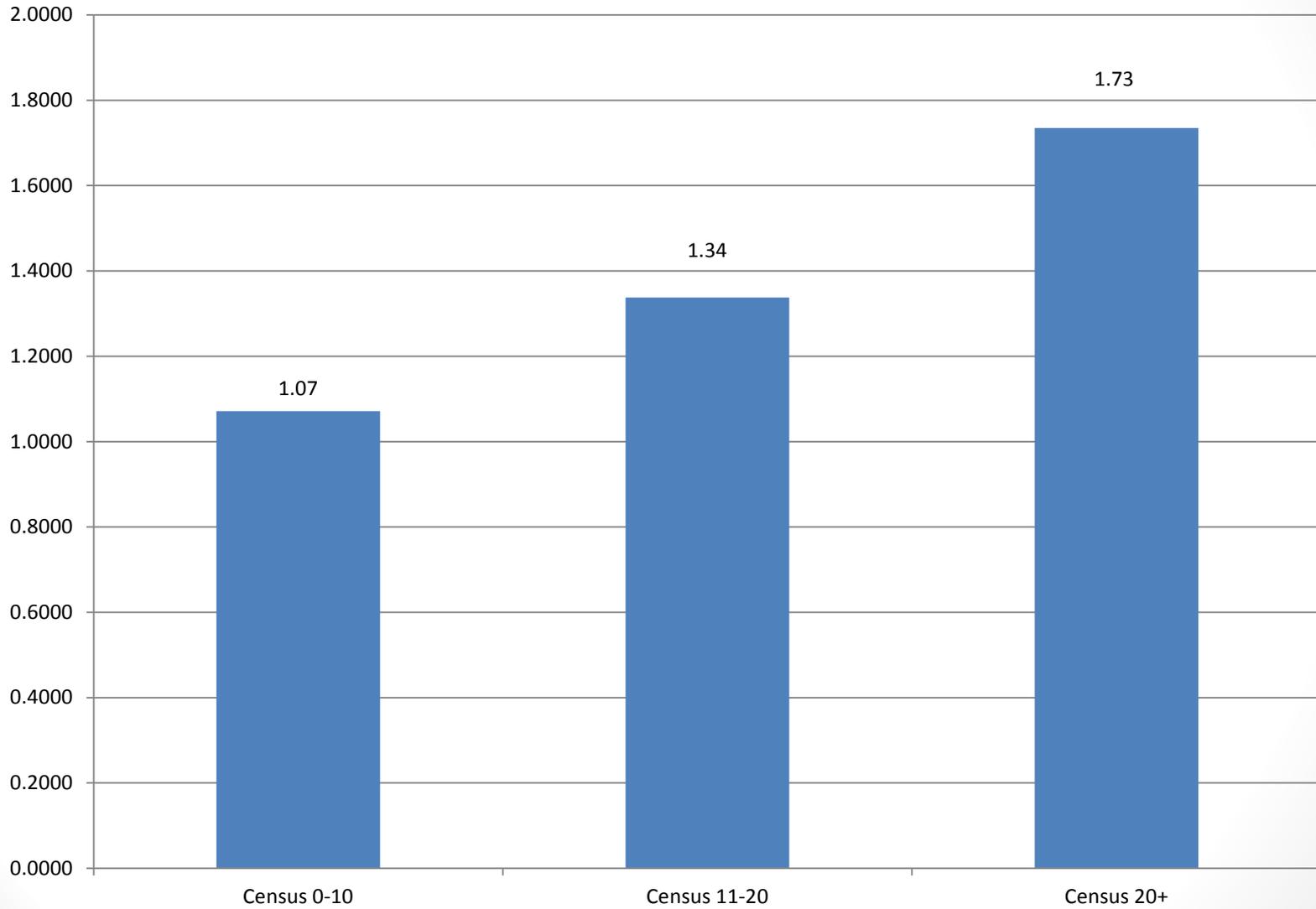


## Average Number of Physical Restraints and Transitional Holds per 1,000 Patient Days among Adults within Large Facilities



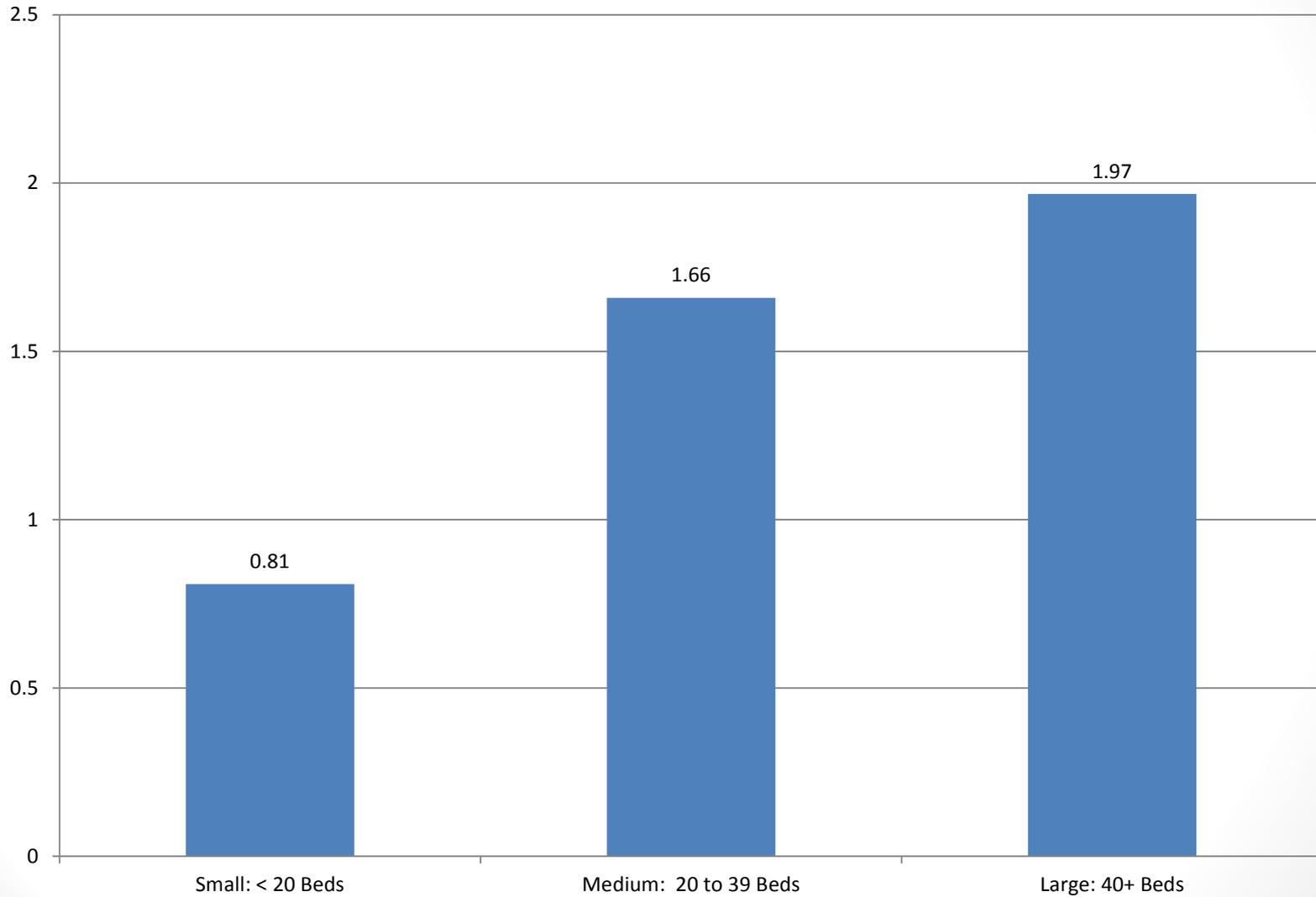


# Number of Adult Physical Restraints per 1000 Patient Days by Census Group

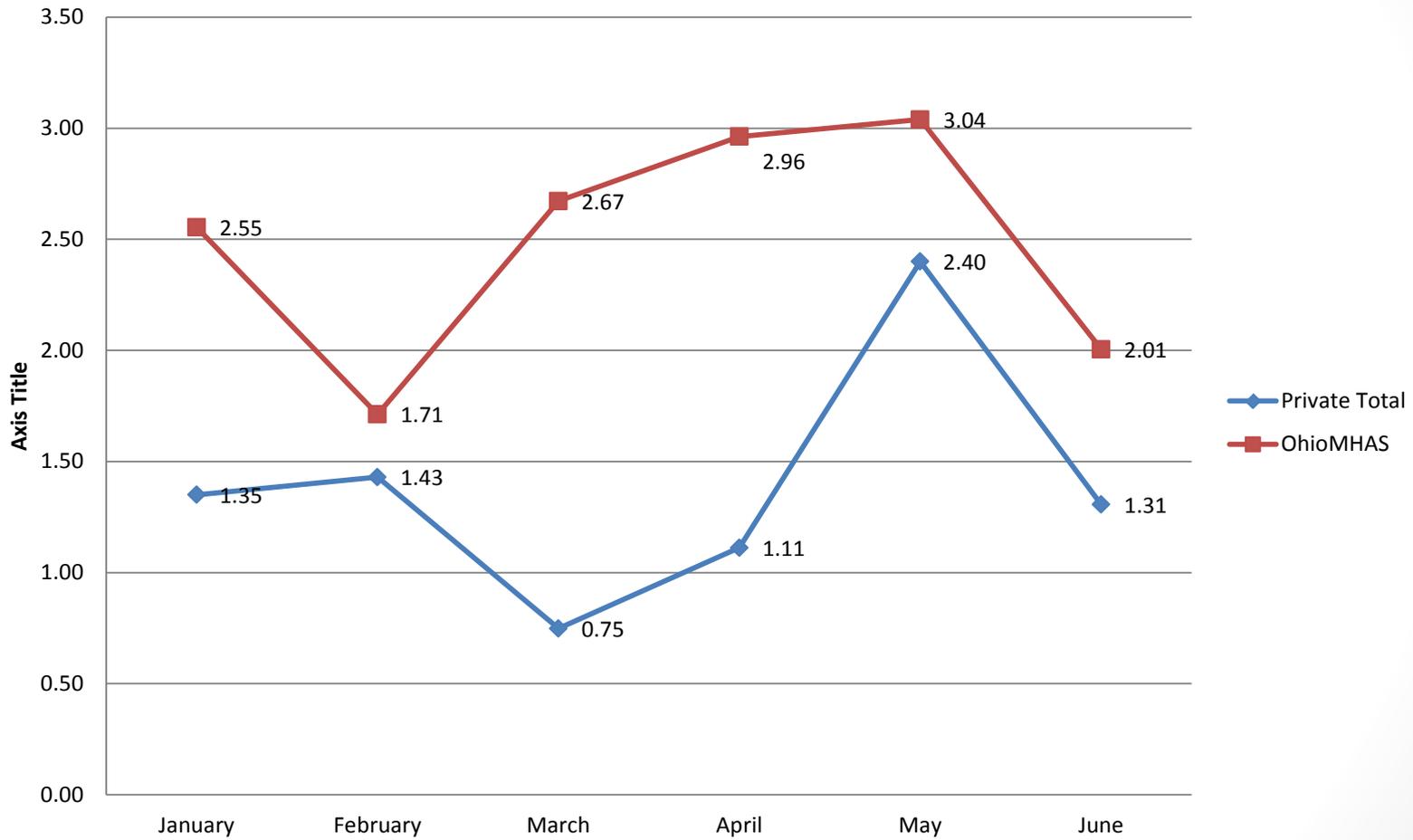




## Number of Adult Physical Restraints per 1,000 Patient Days by Capacity

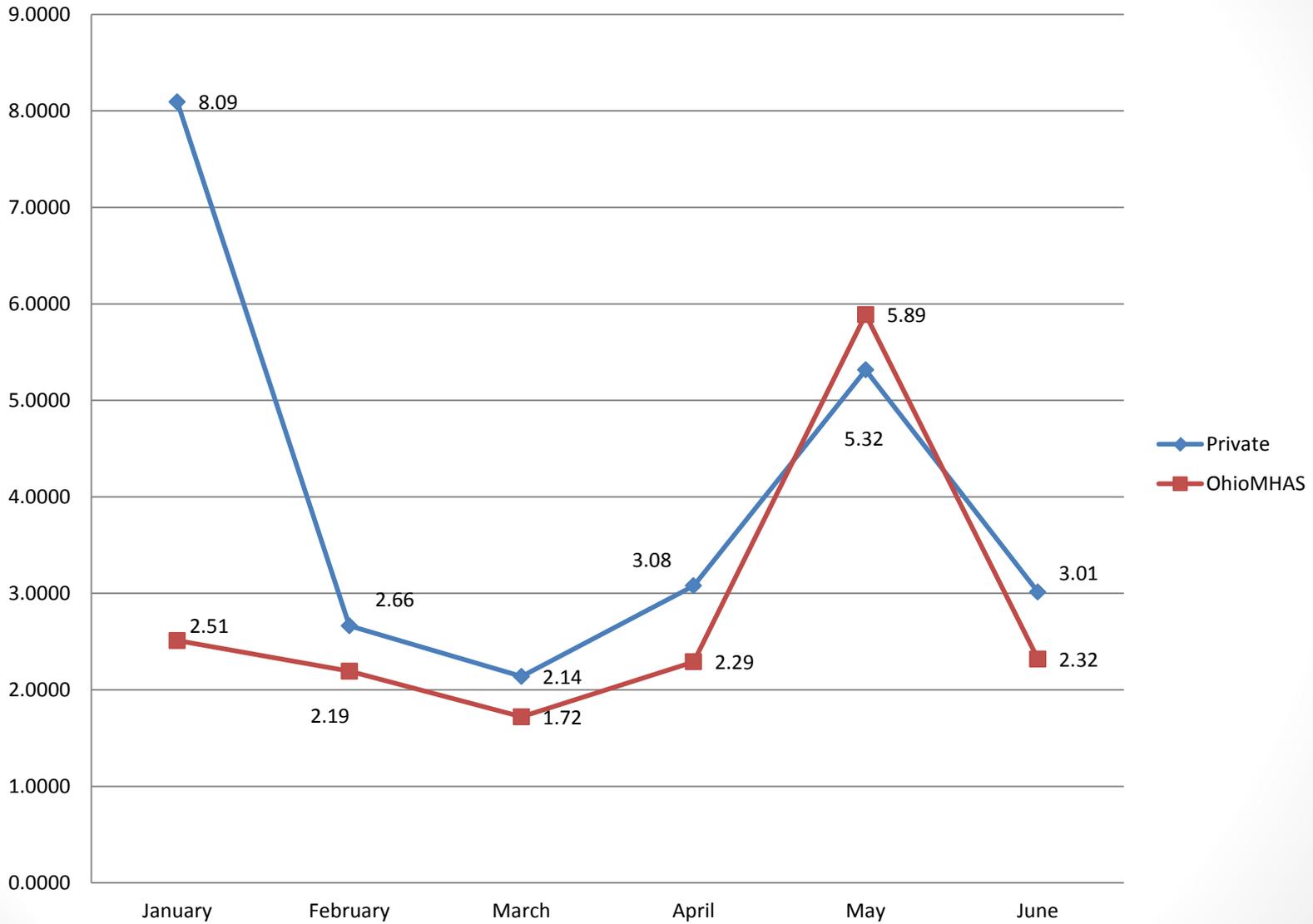


# Frequency of Adult Physical Restraints per 1,000 Patient Days

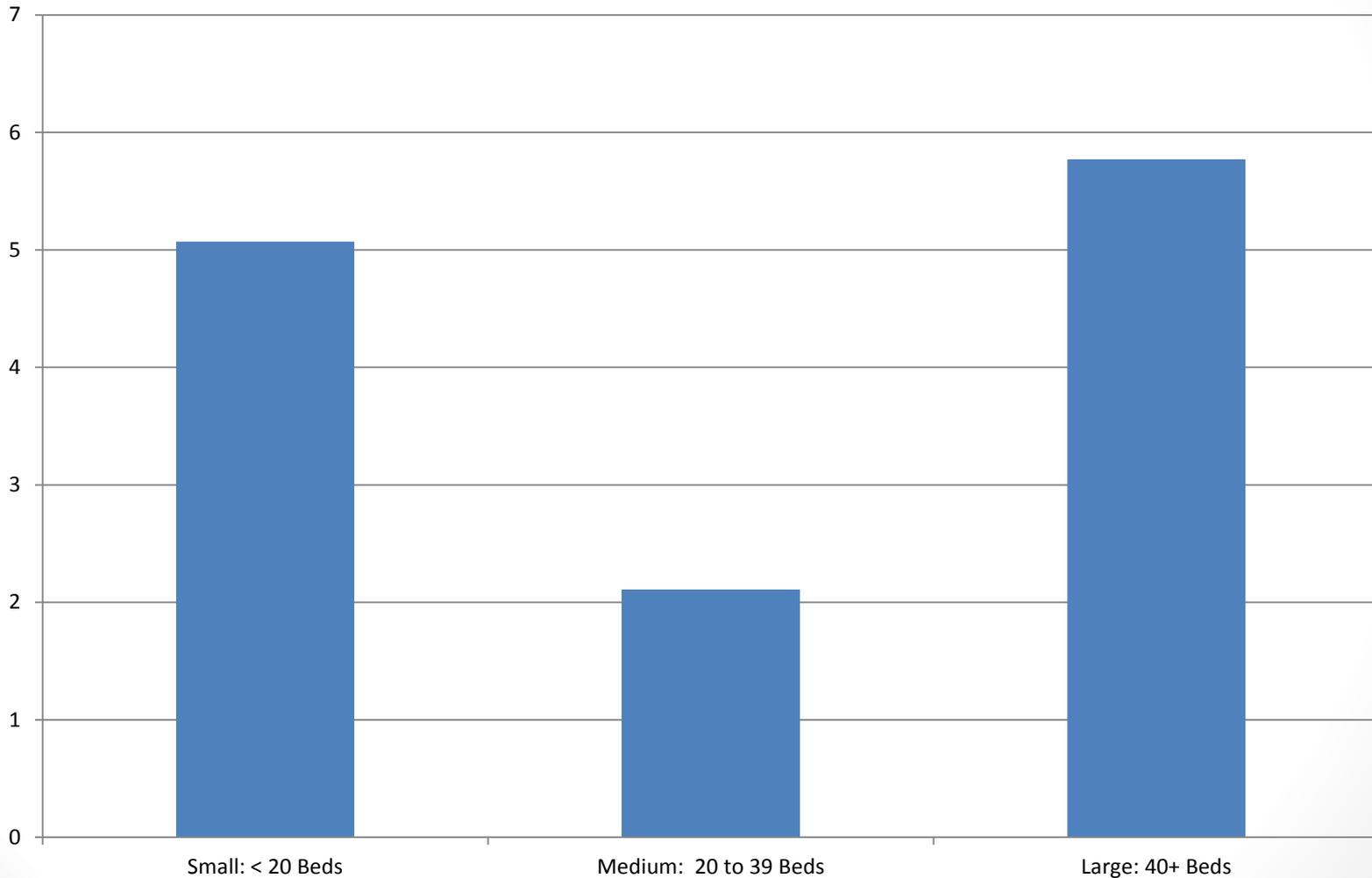




## Average Duration of Physical Restraints in Minutes

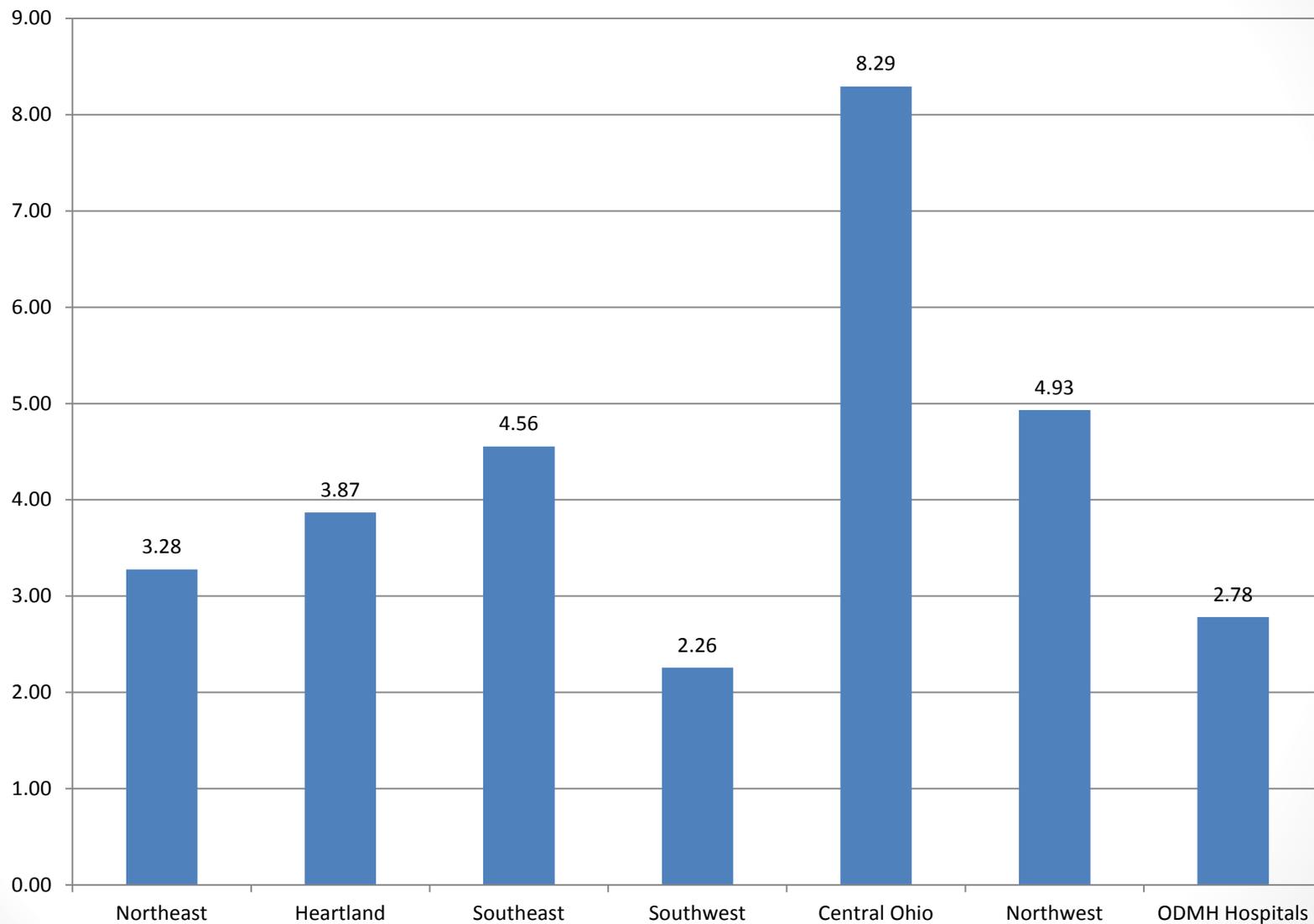


## 6-month Average Duration of Adult Physical Restraints per 1,000 Patient Days by Capacity Group





## Average Duration of Physical Restraints in Minutes: 6-month Average by Geographical Area



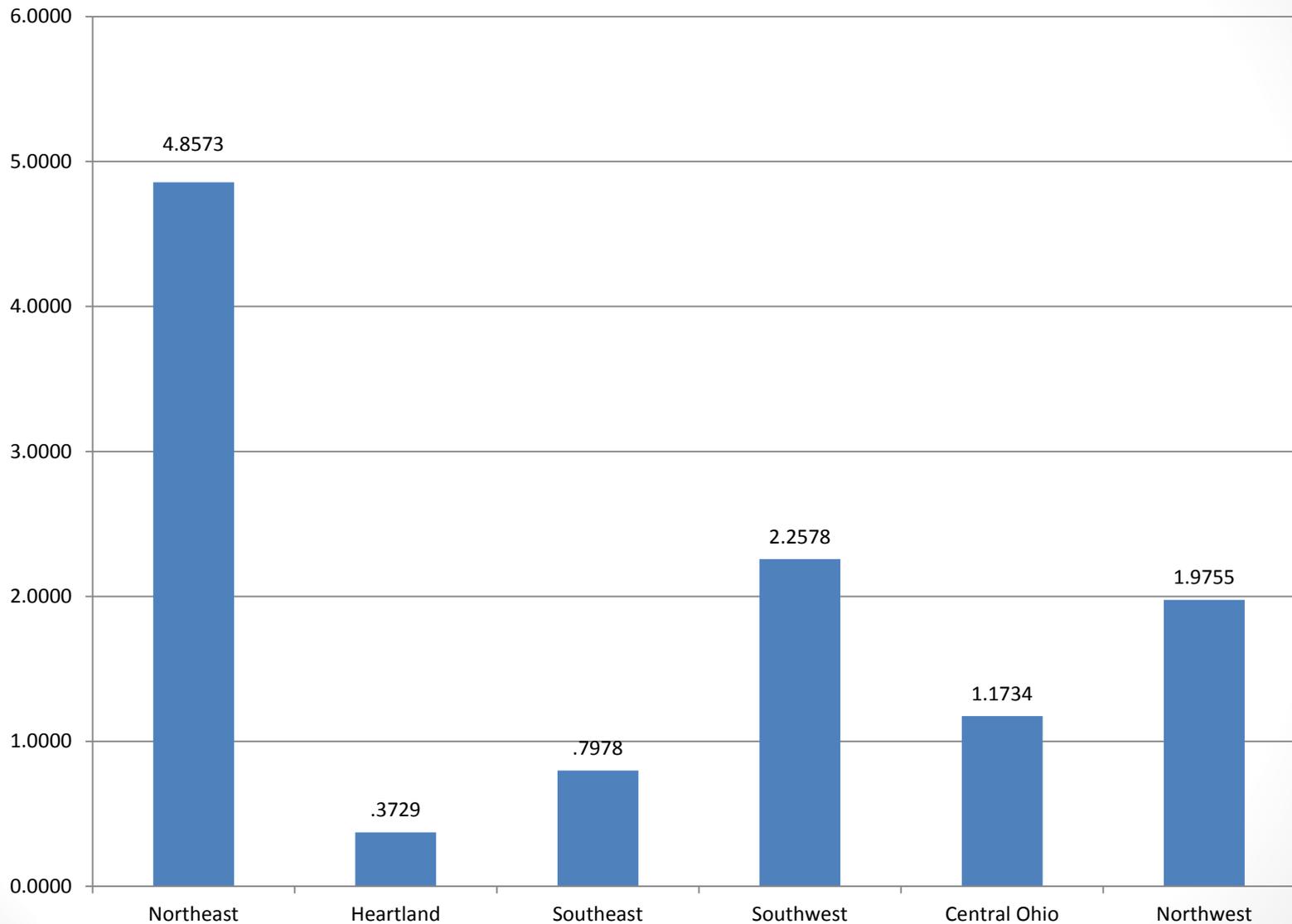
# Mechanical Restraint

- Definition:

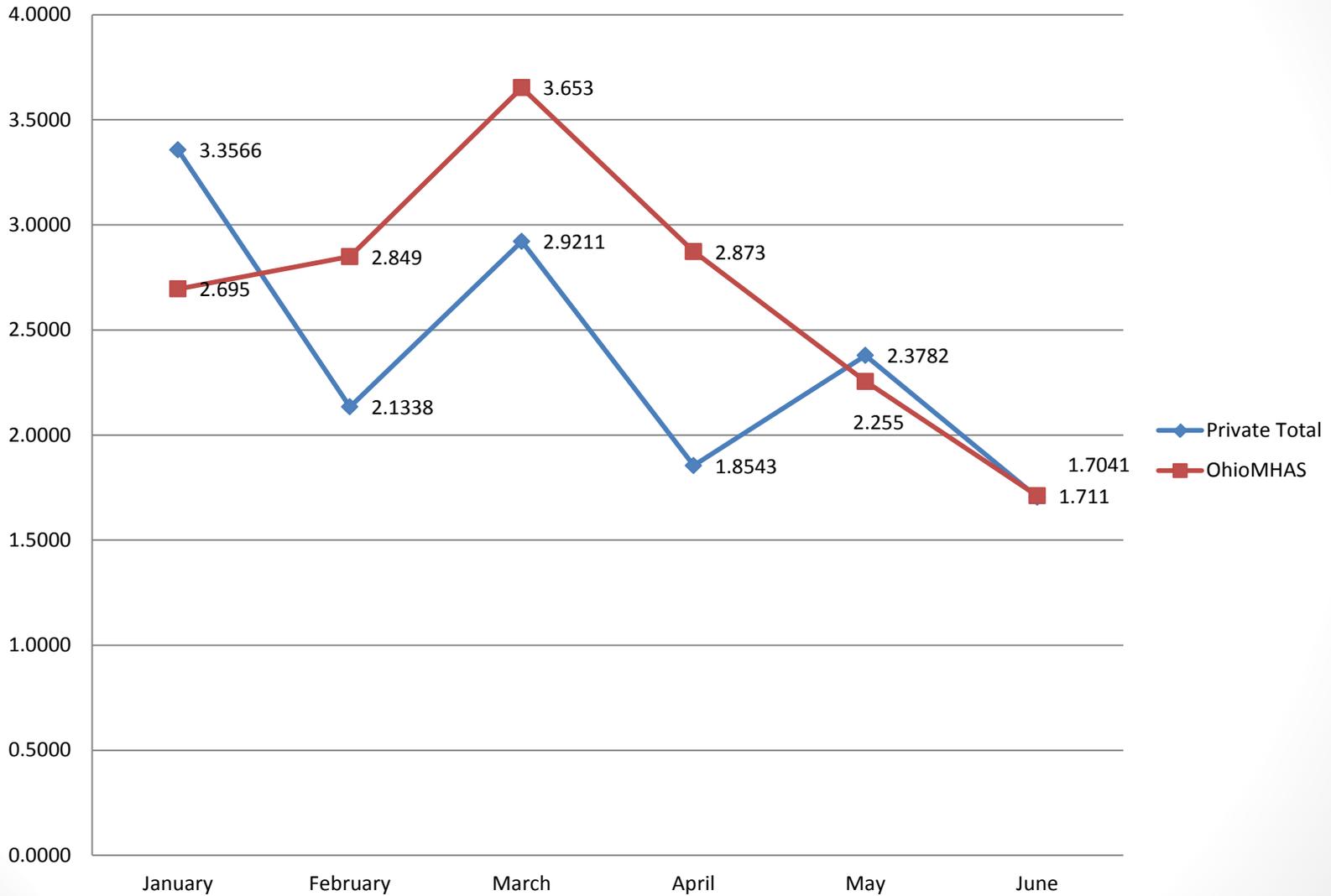
A staff intervention that involves any method of restricting a patient's freedom of movement, physical activity, or normal use of his or her own body, using an appliance or device manufactured for this purpose.



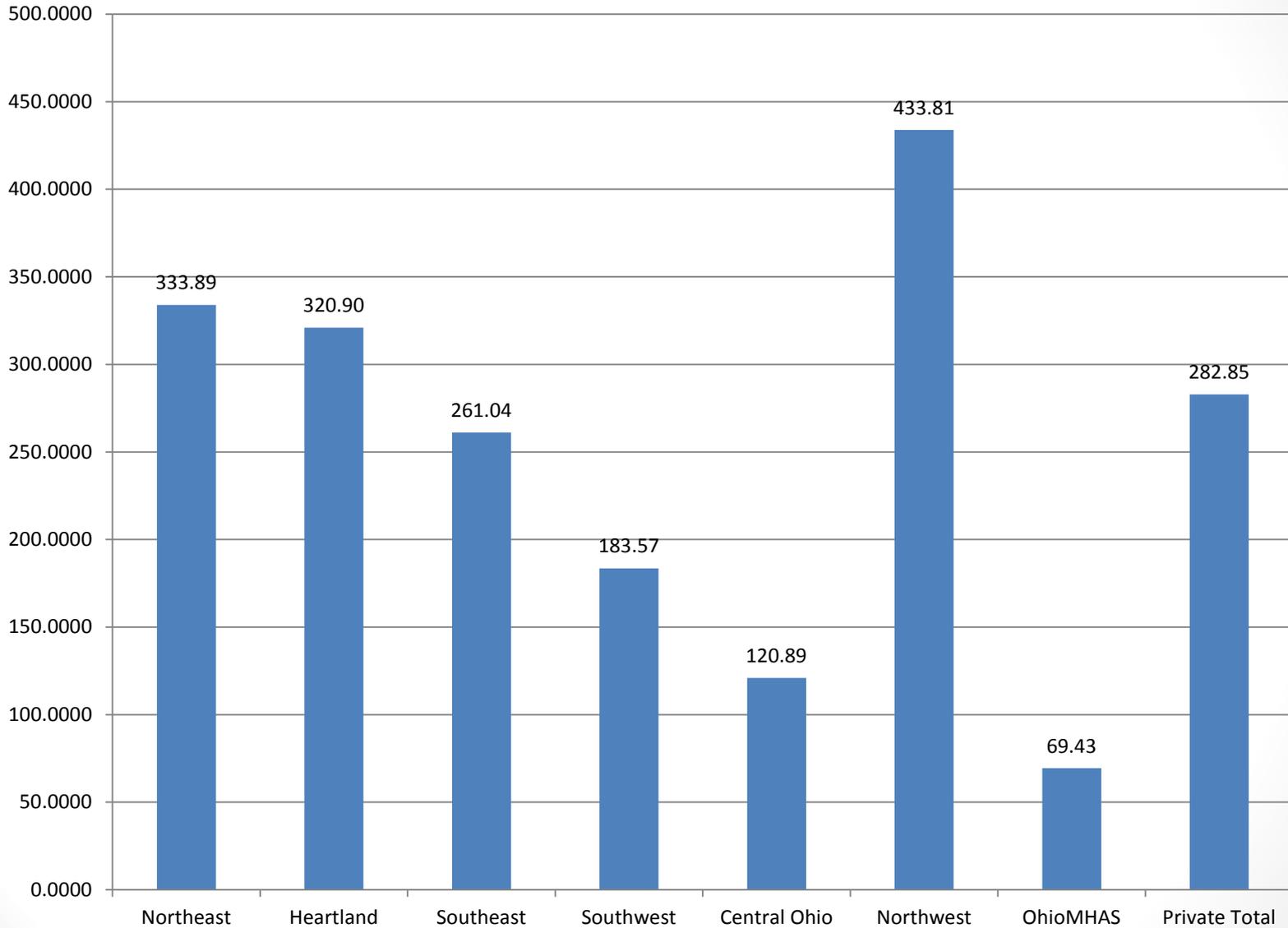
## Number of Adult Mechanical Restraints per 1000 patient days: 6-month average by Geographical Area



# Average Number of Mechanical Restraints per 1,000 Bed Days

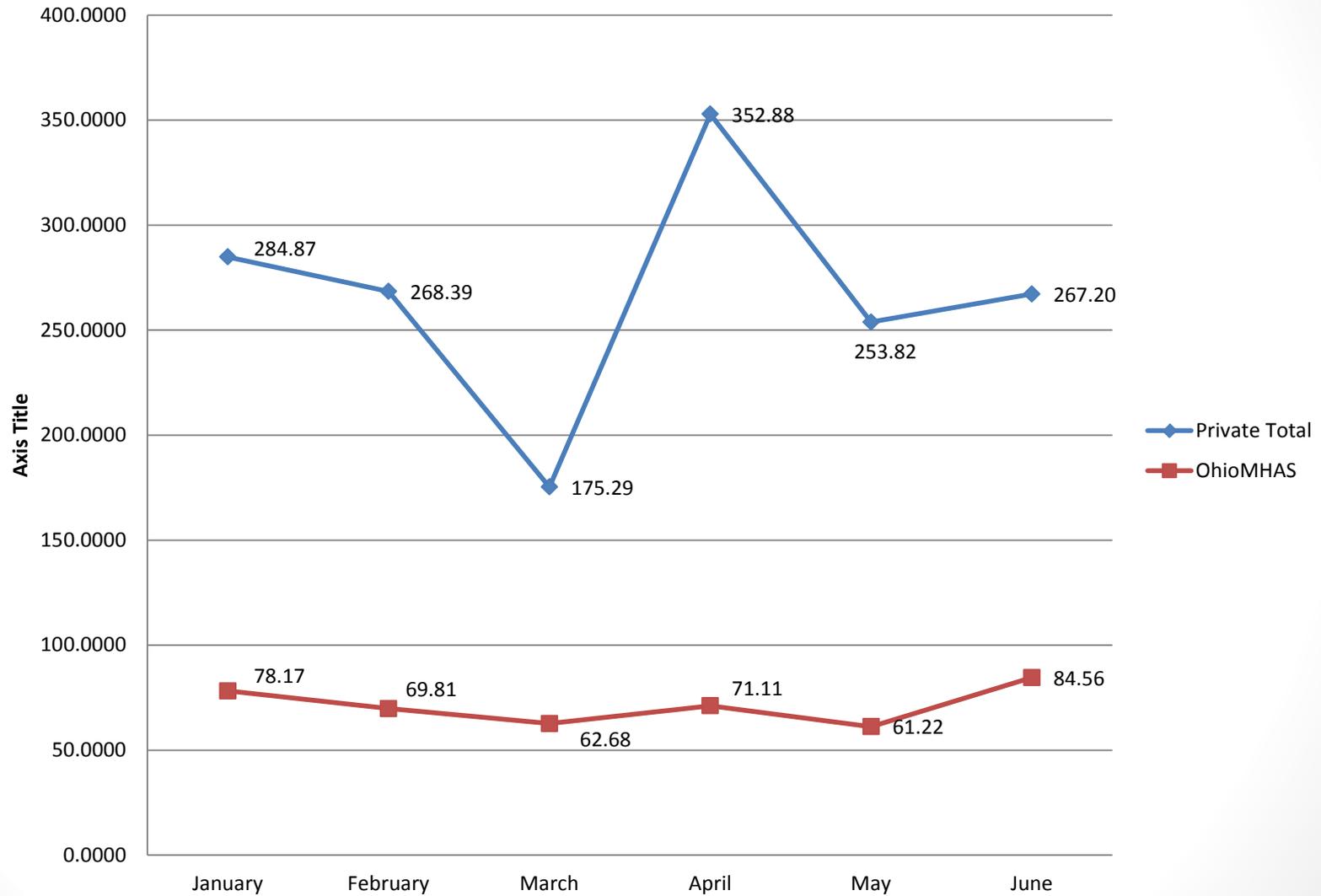


# Duration of Adult Mechanical Restraints: 6-month average by Geographical Area





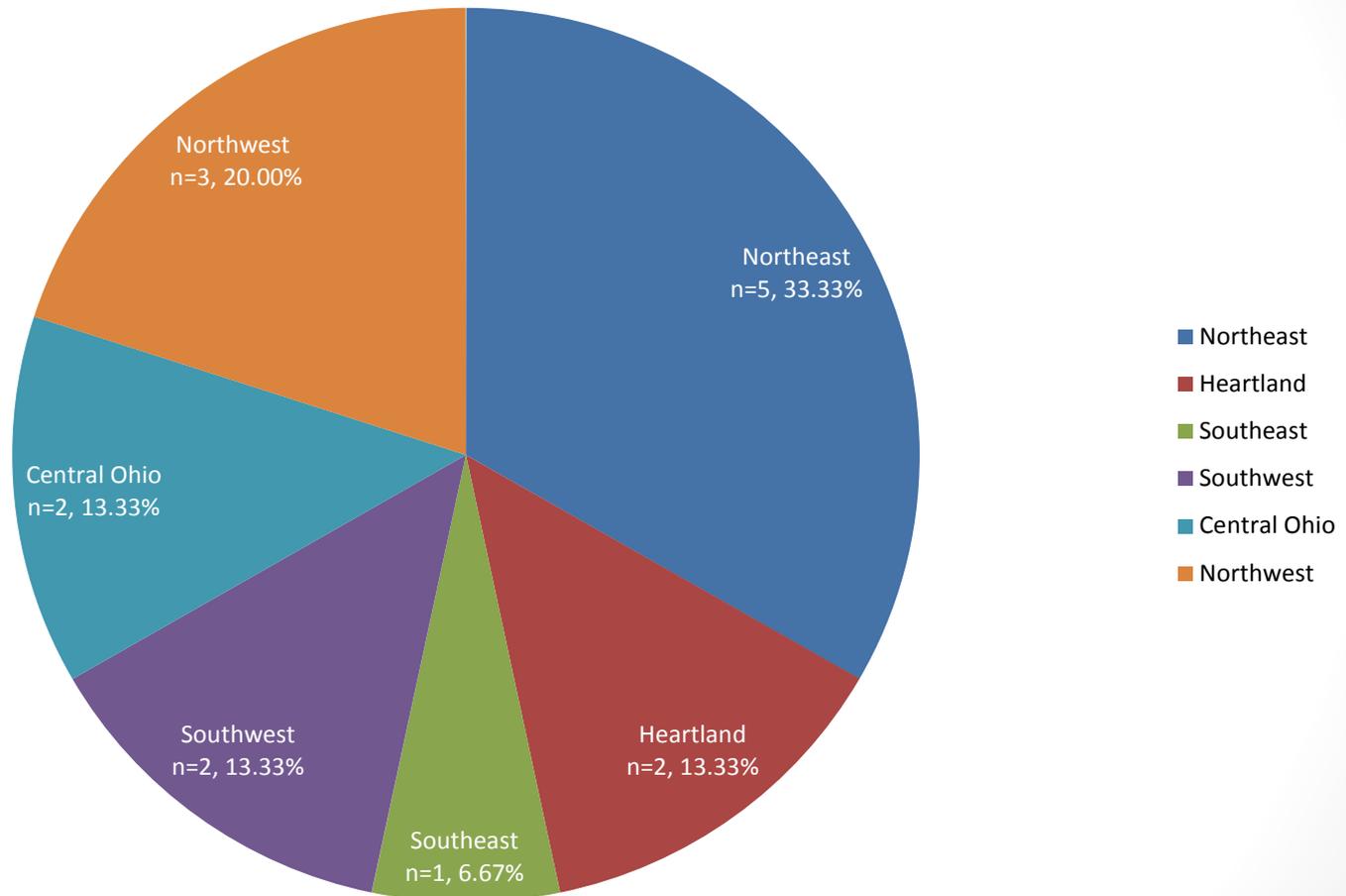
## Average Duration of Mechanical Restraints in Minutes



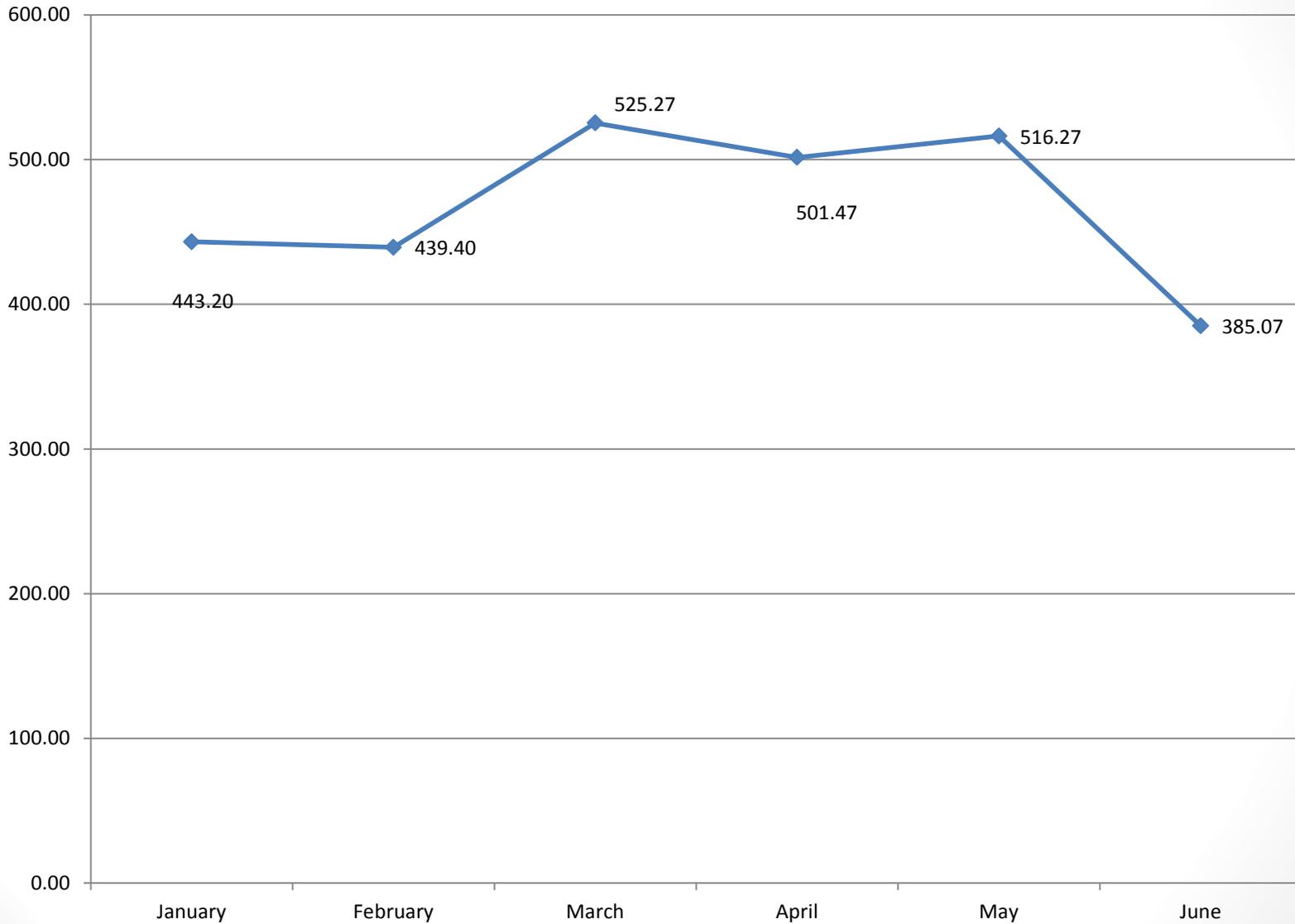
# Inpatient Providers Serving Children and Adolescents



## Number of Hospitals Serving Children or Youth by Geographical Area



## Child/Adolescent Agencies: Average Total Patient Days per Month (n = 15)





# Child/Adolescent Providers

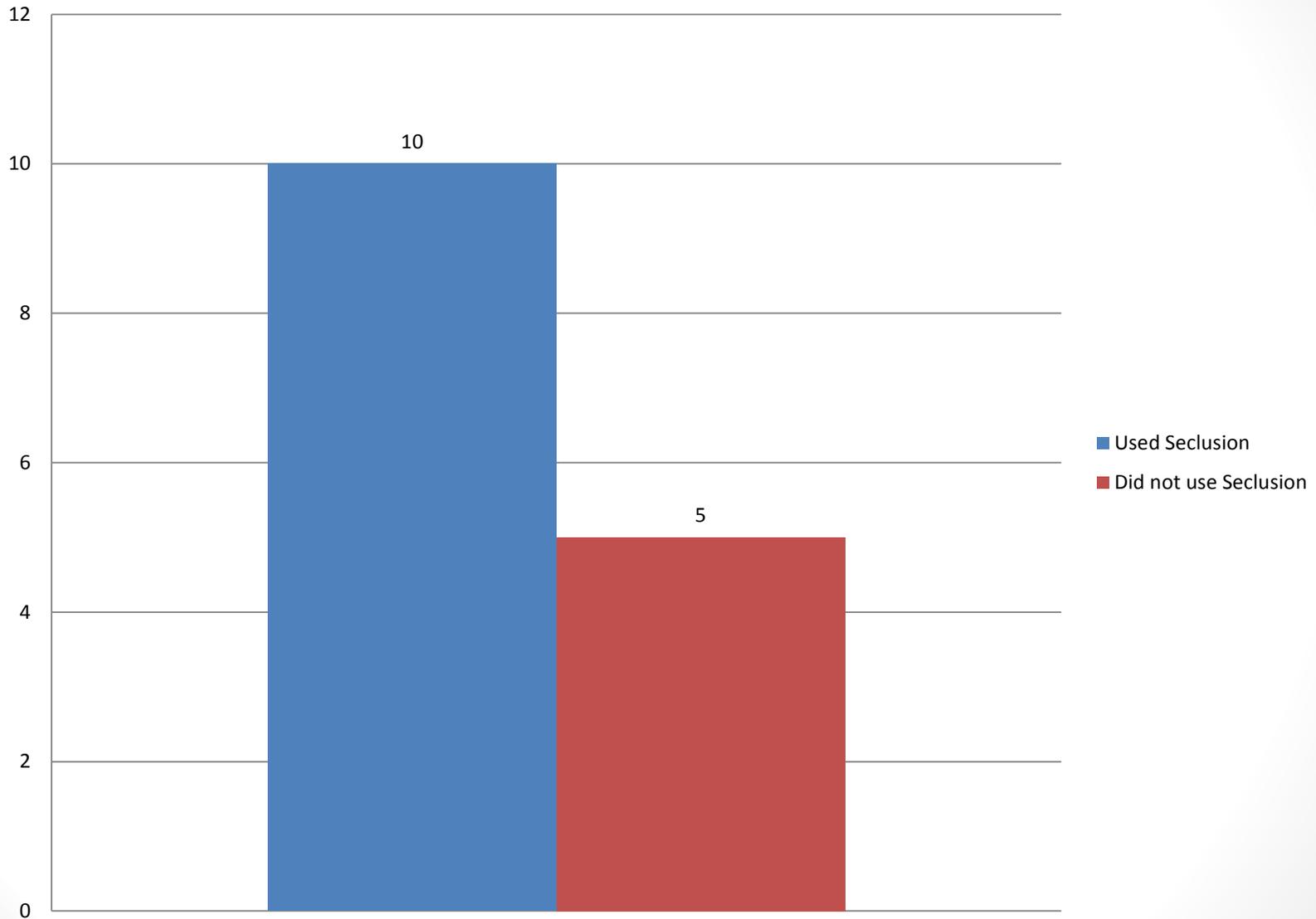
- N = 15
- All 15 reported using some form of S/R this period.
- Average Daily Census
  - Min: .04
  - Max: 76.15
  - Mean: 15.28
  - Std. Dev.: 19.51
- Occupancy Rates
  - Min: .33
  - Max: 507.68
  - Mean: 82.97

# Child/Adolescent Hospitals that Used Seclusion: Summary

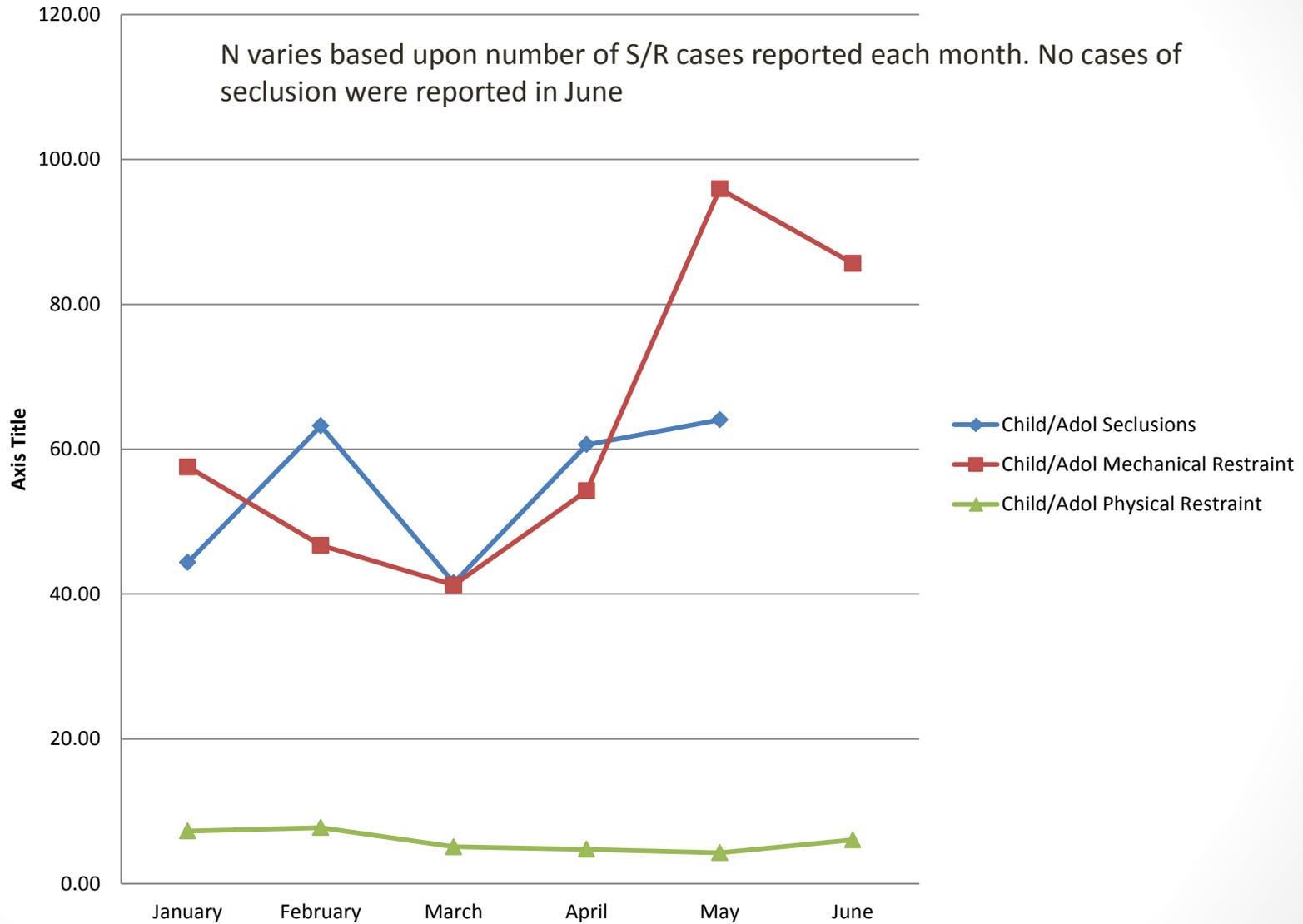
- For those who reported Seclusion Use:
  - Average number of seclusions per 1,000 patient days = 275.92
  - Average Duration among Hospitals who used seclusion = 51.09 minutes per use. Min = 18.67, Max = 93.69
- Avg. Number of Kids in Seclusion during reporting period
  - Mean = 275.93
  - Min = 1.43
  - Max = 2625



## Reported Use of Seclusion among Child/Adolescent Providers

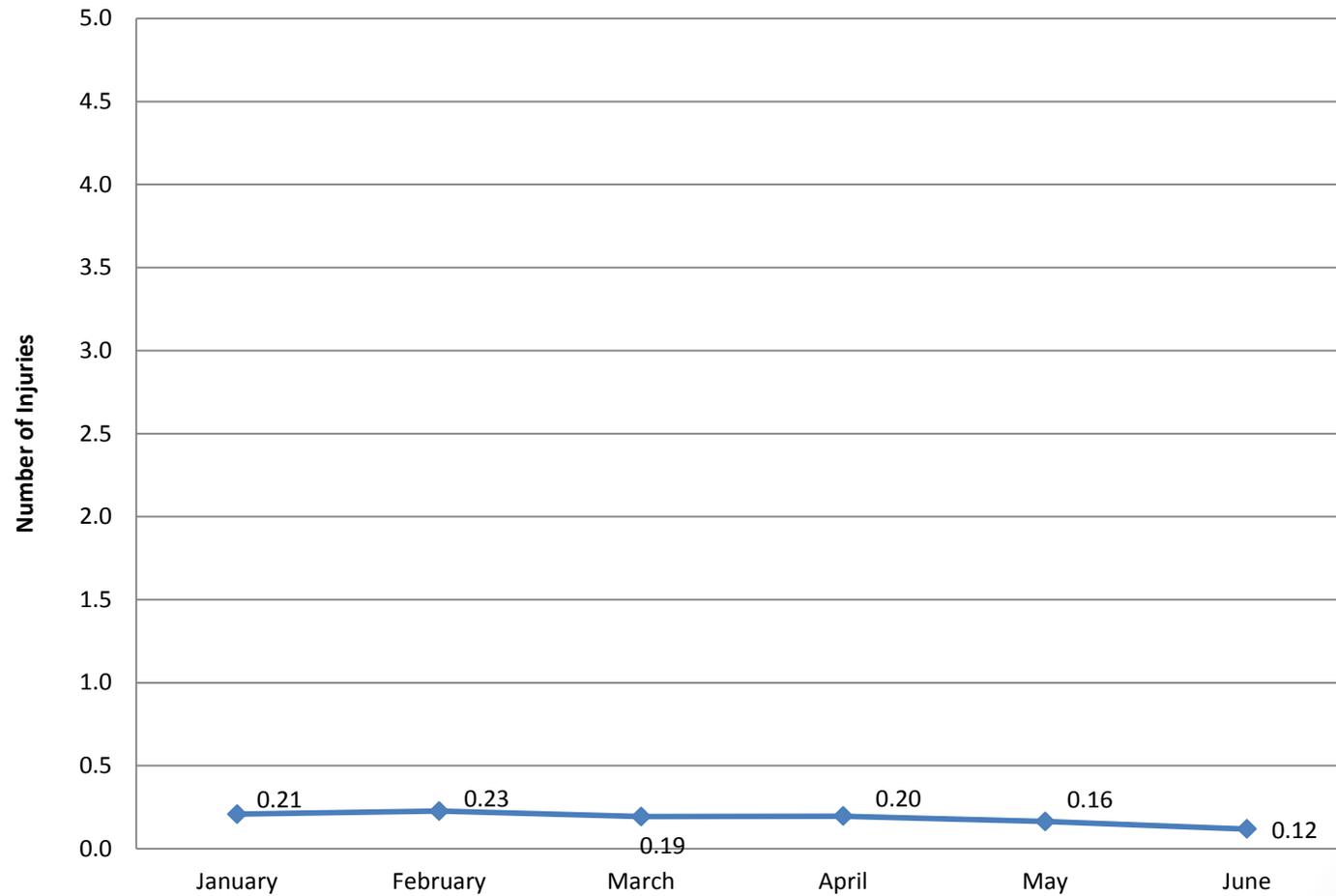


## Duration of Seclusions and Restraints (Minutes)



# All Inpatient Providers Illnesses and Injuries

## Average Number of Restraint-related Injuries Requiring First Aid, by Month



# Average Number of Injuries per Month Requiring Emergency/Unplanned Medical Interventions

