

Ohio Department of Mental Health and Addiction Services
Seclusion and Restraint Six Month Data Report Results
Residential Facility (Type 1)
January through June 2012

Ohio Department of Mental Health & Addiction Services (OhioMHAS) OAC 5122-30-16 requires that mental health providers report certain incident data every six months. Providers that are required to report incidents include Type 1 Residential Facilities, Inpatient Psychiatric Service Providers, and Community Mental Health Agencies.

Type 1 Residential Facilities

Type 1 facilities provide room and board, personal care, and certified mental health services to one or more adults, or children or adolescents with mental illness. Type 1 facilities were required to report their service utilization (bed days), number and minutes of Seclusion¹, Physical Restraints², Mechanical Restraints³, and number of related injuries to staff.

Adult Residential Facilities

OhioMHAS currently licenses 81 adult residential treatment centers:

- 74 (91.4%) facilities prohibit the use of Seclusion and Restraint in all certified services, and did not use Seclusion and Restraint during the report period.
- 7 (8.6%) facilities do permit the use of Seclusion and Restraint.
 - These 7 facilities reported their number of Resident Days:
 - The minimum number of days was 80
 - The maximum number of days was 2,137
 - The average (mean) number of days was 1,372
 - None of these facilities reported any Seclusion incidents within this six-month period
 - None of these facilities reported any Mechanical Restraint incidents within this six-month period
 - None of these facilities reported any Physical Restraint incidents within this six-month period
- Because there were no reported Seclusion or Restraint incidents for adult facilities during this six-month period, no injuries to staff were reported.

¹ Seclusion means a staff intervention that involves the involuntary confinement of a resident alone in a room where the resident is physically prevented from leaving.

² Physical Restraint, also known as Manual Restraint, means a staff intervention that involves any method of physically/manually restricting a resident's freedom of movement, physical activity, or normal use of his or her body without the use of Mechanical Restraint devices.

³ Mechanical Restraint means a staff intervention that involves any method of restricting a resident's freedom of movement, physical activity, or normal use of his or her body, using an appliance or device manufactured for this purpose.

Youth Residential Facilities

The remainder of this report provides information on youth residential facilities. OhioMHAS licenses 22 youth residential treatment centers:

- 2 (9.1%) facilities prohibit the use of Seclusion and Restraint in all certified services, and did not use Seclusion or Restraint during the report period.
- 20 (90.9%) facilities do permit the use of Seclusion and Restraint:
 - 3 (15.0%) facilities reported using Seclusion; 17 (85.0%) did not use Seclusion
 - All 20 facilities reported using Physical Restraints
 - No youth facilities reported Mechanical Restraints. Mechanical Restraints are only permitted to be used with individuals age 18 and over.

Facility Size Categories

Facilities were categorized by size; facilities were considered small if they had 25 or fewer licensed beds, medium if they had 26-69 licensed beds, and large if they had 70 or more licensed beds.

Resident Days

The average number of Resident days are presented in Table 1. As expected, larger facilities reported higher numbers of resident days.

Table 1. Descriptive Statistics of the number of Youth Resident Days

	Minimum	Maximum	Mean	SD
Total (N = 20)	653	14,830	6,490.1	4687.1
Large Facilities (N = 7) (70+ Licensed beds)	7,883	14,830	11,914.4	2,261.5
Medium Facilities (N = 8) (26-69 Licensed beds)	2,157	8,584	4,679.6	2,261.5
Small Facilities (N = 5) (25 or fewer Licensed beds)	653	3,298	1,792.6	1,066.9

In order to compare across organizations frequencies were calculated on the number of Seclusions and Restraints per 1000 resident days, and the average duration per Seclusion and Restraint.

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

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

For example, if an organization reported 600 resident days, 15 incidents of Seclusion, and 500 total minutes of Seclusion, the Seclusions per 1000 resident days would be 25 (15/600 = 25), and the average duration would be 33.3 minutes (500/15 = 33.3).

Figure 1 and Table 2 display the *frequency* of Seclusions and Physical Restraints per 1000 resident days by month. Figure 2 and Table 3 display the *average minutes of duration* of Seclusions and Restraints by month. Because of the small number of facilities that reported Seclusions, only Physical Restraints results are displayed by facility size (large, medium and small).

Seclusions

The total number of Seclusions reported across the 6-month period was 92. For the 20 agencies that allow Seclusion, the number of Seclusions per 1000 resident days for the six months ranged from a low of 0.0 to a high of 17.6 with an average number 1.4 Seclusions per 1000 resident days. See Figure 1 and Table 2 for the average number of Seclusions per month.

- For the three facilities that reported Seclusions, the number of Seclusions per 1000 resident days for the six months ranged from a low of 0.9 to a high of 17.6 with an average number 9.06 Seclusions per 1000 resident days.

The duration of Seclusions for the six months ranged from a low of 2.0 minutes to a high of 40.3 minutes with an average duration of 23.5 minutes per Seclusion.

Compared with Physical Restraints, Seclusions are used less frequently but have longer duration.

Physical Restraints

The total number of Physical Restraints reported across the 6-month period was 4,014. For the 20 facilities that reported Physical Restraints, the number of Physical Restraints per 1000 resident days for the six months ranged from a low of 1.1 to a high of 68.9, with an average of 27.1. There is a lower number of Physical Restraints reported in April than all other months; more data is needed across time to determine whether how fluctuations vary over time.

The average duration of Physical Restraints for the six months ranged from a low of 1.8 minutes to a high of 25.0 minutes, with an average duration of 9.3 minutes per Restraint.

Compared with Seclusions, Physical Restraints are used more frequently but have shorter durations. While it appears that larger facilities may report more Physical Restraints than medium or smaller sized facilities, trends with small sample sizes per group should be interpreted extremely cautiously. The average duration of Physical Restraints does not appear to vary much by facility size.

Figure 1. Frequency of Youth Facility Seclusions and Restraints per 1000 Resident Days (Means across facilities)

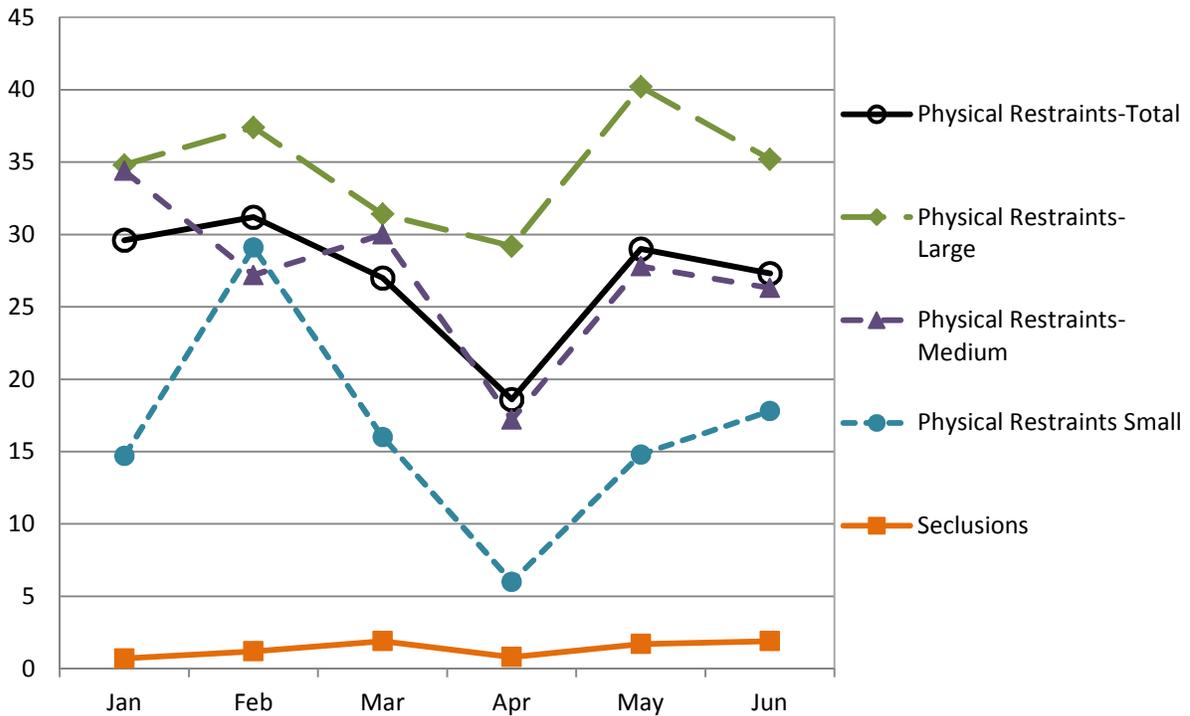


Table 2. Frequency of Youth Facility Seclusions and Restraints per 1000 Resident Days

		6 months	Jan	Feb	Mar	Apr	May	Jun
Physical Restraints - Total (N = 20)	Mean	27.12	29.59	31.18	26.97	18.63	28.89	27.28
	SD	17.05	28.17	23.55	19.83	13.43	21.20	20.21
Physical Restraints – Large Facilities (N = 7) (70+ Licensed beds)	Mean	34.73	34.79	37.36	31.36	29.22	40.17	35.19
	SD	15.80	21.25	27.24	14.73	10.69	15.47	17.49
Physical Restraints – Medium Facilities (N = 8) (26-69 Licensed beds)	Mean	27.41	34.35	27.16	30.01	17.23	27.81	26.29
	SD	17.05	34.19	17.13	20.94	10.95	23.41	22.93
Physical Restraints – Small Facilities (N = 5) (25 or fewer Licensed beds)	Mean	16.01	14.70	29.10	15.96	6.05	14.55	17.77
	SD	15.41	25.97	30.09	23.91	8.75	18.55	18.33
Seclusions (N = 20)	Mean	1.36	0.69	1.18	1.88	0.83	1.72	1.88
	SD	4.37	2.12	3.94	7.23	3.69	5.22	6.64

Figure 2. Average Minutes of Duration of Youth Facility Seclusion and Restraints (Means across facilities)

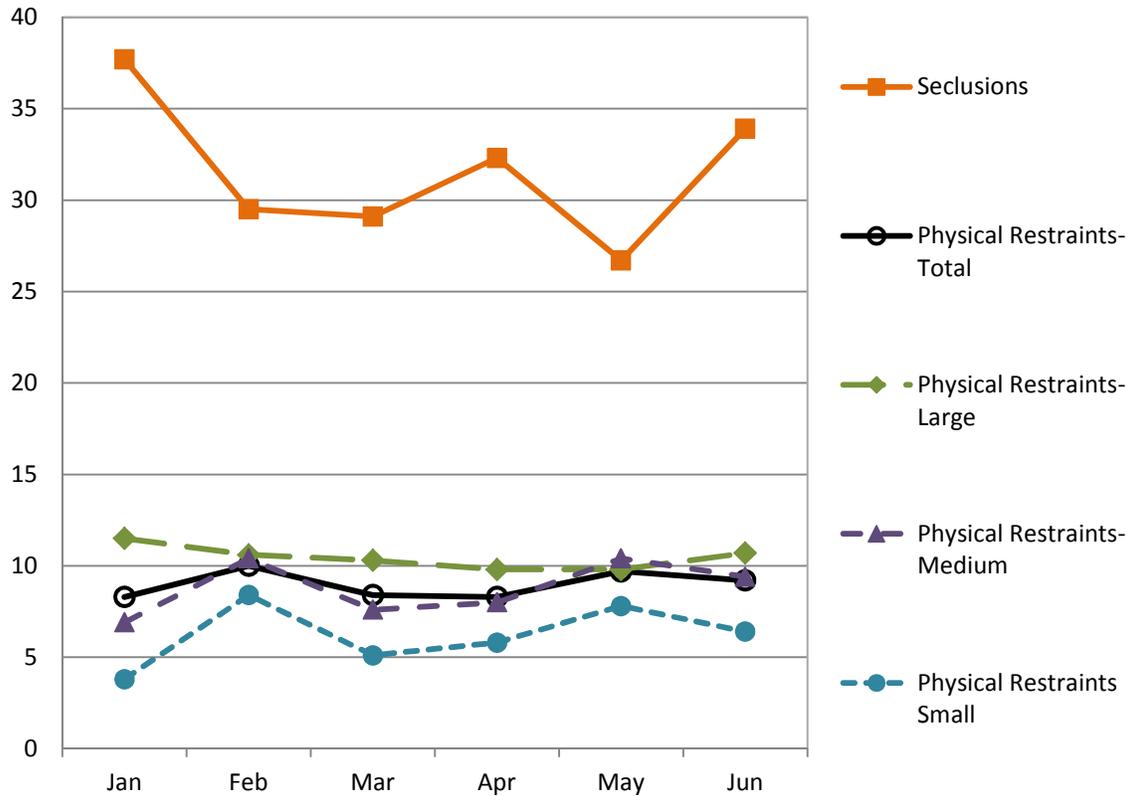


Table 3. Average Minutes of Youth Facility Duration of Seclusion and Restraints

		6 months	Jan	Feb	Mar	Apr	May	Jun
Physical Restraints – Total (N = 20)	Mean	9.28	8.25	9.95	8.42	8.31	9.74	9.22
	SD	5.64	5.20	6.92	4.21	4.08	4.44	5.86
Physical Restraints – Large Facilities (70+ Licensed beds) (N = 7)	Mean	10.31	11.68	10.58	10.28	9.76	9.83	10.68
	SD	4.99	5.91	4.61	4.76	5.04	4.39	6.49
Physical Restraints – Medium Facilities (26-69 Licensed beds) (N = 8)	Mean	8.33	6.90	10.38	7.62	7.99	10.38	9.36
	SD	4.09	3.41	7.61	3.73	3.33	5.19	6.15
Physical Restraints – Small Facilities (25 or fewer Licensed beds) (N = 5)	Mean	9.38	3.85	8.39	5.14	5.81	7.83	6.38
	SD	8.98	2.51	9.49	0.02	3.02	2.89	4.23
Seclusions (N = 20)	Mean	23.52	37.70	29.50	29.12	32.25	26.72	33.93
	SD	19.60	28.71	1.65	1.24	0.00	24.03	8.59

Table 3. Average (Mean) Youth Facility Seclusion and Restraint Frequency and Duration (combined January through June 2012).

	Seclusions		Physical Restraints	
	Frequency per 1000 resident days	Average Duration (mins)	Frequency per 1000 resident days	Average Duration (mins)
Large Facilities (70+ Licensed beds)	0.09	2.00	68.89	11.75
			29.43	10.66
			36.52	14.87
			28.50	8.02
			27.38	4.27
			31.76	4.87
			20.66	17.72
Medium Facilities (26-69 Licensed beds)			24.31	10.39
			13.81	6.99
			21.09	7.95
	17.55	28.23	39.17	6.73
			42.68	12.16
			16.23	14.94
			56.48	5.67
Small Facilities (25 or fewer Licensed beds)			5.51	1.78
			12.25	8.13
			28.16	6.85
			35.78	3.92
	9.54	40.33	1.06	25.00
			2.84	3.00

Note. Blank cells indicate no reports of Seclusion or Restraint.

Injuries to Staff from Seclusions and Restraints

Facilities also reported on the number of injuries to staff members related to Seclusion and Restraint:

- Injuries requiring First aid:
 - 6 facilities reported no first aid
 - 8 facilities reported between 1 and 5 injuries requiring first aid
 - 3 facilities reported between 6 and 15 injuries requiring first aid
 - 3 facilities reported more than 15 but less than 40 injuries requiring first aid
- Injuries requiring Emergency/unplanned medical intervention:
 - 10 facilities reported no emergency visits
 - 8 facilities reported less than 5 injuries requiring emergency medical intervention
 - 1 facility reported 8 injuries requiring emergency intervention
 - 1 facility reported 21 injuries requiring emergency intervention
- No facilities reported injuries to staff that required hospitalization.