

Ohio Department of Mental Health and Addiction Services
Seclusion and Restraint Six Month Data Report Results
Community Mental Health Agency
January through June 2012

The Ohio Department of Mental Health & Addiction Services (OhioMHAS) has statutory and regulatory authority over providers of mental health services to Ohio consumers. Community Mental Health Agencies require certification by ODMH when they provide mental health services that are funded by a community mental health board; they may also voluntarily request certification. The Office of Licensure & Certification performs on-site surveys, inspections and reviews to determine compliance with the applicable administrative rules and agencies are certified every three years.

OhioMHAS requires that community mental health agencies report certain incident data every six months (Ohio Administrative Code 5122-26-13). Agencies were required to report their number and minutes of Seclusion¹, Physical Restraints², Mechanical Restraints³, number of patient injuries or illnesses, and number of injuries to staff from Seclusion and Restraint, by type of service (Crisis services, Partial Hospitalization, and Other Mental Health Services).

During this six-month reporting period ODMH had 391 certified agencies:

- 331 (84.7%) agencies prohibit all types of Seclusion and Restraint
- 60 (15.3%) agencies allow some type of Seclusion and Restraint

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

$$\text{Seclusion/Restraints per 1000 Service Hours} = \frac{\text{Total \# of Seclusions/Restraints}}{\text{Total \# of Service Hours}} \times 1000$$

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

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

¹ Seclusion means a staff intervention that involves the involuntary confinement of a client alone in a room where the client 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 client'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 client's freedom of movement, physical activity, or normal use of his or her body, using an appliance or device manufactured for this purpose.

Agencies providing Crisis Services

Of the 60 agencies that allow Seclusion and Restraint 45 (75.0%) agencies were not certified to provide crisis services, and 6 (10.0%) agencies prohibit Seclusion or Restraint in their crisis services. This leaves nine agencies (15.0%) that allow Seclusion and Restraint in crisis intervention:

- 5 provide adult crisis services
- 6 agencies provide youth crisis services.

Crisis Intervention Service Utilization

Agencies that allow Seclusion and Restraint reported on the total number of Crisis Intervention clients served and the hours of Crisis Intervention provided (N=9). Table 1 displays these reports for the six-month period by adult and youth crisis services.

Table 1. Descriptive Statistics of the number of Crisis Intervention people served and hours

		6 month Total	Jan	Feb	Mar	Apr	May	Jun
Number of adults receiving Crisis Intervention (N=5 agencies)	Mean	2329.4	399.4	369.2	398.0	386.6	405.4	370.8
	SD	1758.7	304.4	284.1	314.8	283.5	307.7	268.0
	Min	780	127	128	126	130	137	132
	Max	5275	898	855	931	856	927	808
Total hours of adult Crisis Intervention	Mean	11700.3	1777.8	1726.7	2023.9	1947.5	2128.3	2096.1
	SD	14417.3	2009.5	2001.6	2492.6	2379.0	2760.8	2808.6
	Min	333.9	55	54	55	54	56	60
	Max	35942	5022	4989	6195	5941	6852	6943
Number of youth receiving Crisis Intervention (N=6 agencies)	Mean	255.2	54.2	47.3	49.0	39.7	40.3	24.7
	SD	253.5	48.5	51.6	56.3	44.0	48.5	28.6
	Min	27	3	0	0	0	0	0
	Max	672	115	124	141	110	116	73
Total hours of youth Crisis Intervention	Mean	1247.0	799.5	94.7	103.9	90.3	101.3	57.3
	SD	1632.4	1750.1	110.1	126.1	106.4	129.4	70.8
	Min	40.2	6	0	0	0	0	0
	Max	4368	4368	255	310	231	272	151

Of the nine that allow Seclusion or Restraint in crisis services, five agencies did not use Seclusion or Restraint in crisis between January and June; four agencies did use Seclusion or Restraint in crisis during this period. Because of the small number of agencies that reported use monthly statistics are not included, statistics are reported for the six-month total (see Table 2 for frequency and Table 3 for duration).

Seclusions

The total number of Seclusions reported for adults in Crisis Services was 6. One agency serving adults reported Seclusions; when standardizing by utilization the average number of Seclusions per 1000 crisis utilization hours was 2.5. The average duration of Seclusions for adults in crisis was 92.5 minutes.

The total number of Seclusions reported for youth in Crisis Services was 9. One agency serving youth reported Seclusions; when standardizing by utilization the average number of Seclusions per 1000 crisis utilization hours was 20.1, higher for youth than adults. The average duration of Seclusions for youth in crisis was 40.3 minutes, lower for youth than adults.

Physical Restraints

The total number of Physical Restraints reported for adults in Crisis Services was 74. Two agencies serving adults reported utilizing Physical Restraints in crisis services; when standardizing by utilization the average number of Physical Restraints per 1000 crisis utilization hours was 12.1. The average duration of Physical Restraints for adults in crisis was 2.2 minutes.

The total number of Physical Restraints reported for youth in Crisis Services was 3. Two agencies serving youth reported Physical Restraints in crisis services; when standardizing by utilization the average number of Seclusions per 1000 crisis utilization hours was 2.6, lower for youth than adults. The average duration of Seclusions for youth in crisis was 18.3 minutes, higher for youth than adults.

Mechanical Restraints

The total number of Mechanical Restraints reported for adults in Crisis Services was 142. Four agencies serving adults reported Mechanical Restraints in crisis services; when standardizing by utilization the average number of Mechanical Restraints per 1000 crisis utilization hours was 15.1. The average duration of Mechanical Restraints for adults in crisis was 108.5 minutes. The average duration of Mechanical Restraints reported in crisis was higher than the duration of Seclusions and Physical Restraints. Mechanical Restraints are not allowed to be used on youth clients.

Table 2. Frequency of Seclusions and Restraints (Means across all six months across agencies)

	N of agencies	per 1000 Crisis Utilization Hrs				Total N of Seclusions/ Restraints
		Mean	SD	Min	Max	
Agencies that reported Seclusions (Adults)	1	2.5	n/a			6
Agencies that reported Seclusions (Youth)	1	20.1	n/a			9
Agencies that reported Physical Restraints (Adults)	2	12.1	1.8	10.8	13.4	74
Agencies that reported Physical Restraints (Youth)	2	2.6	0.5	2.2	3.0	3
Agencies that reported Mechanical Restraints (Adults)	4	15.1	12.8	5.4	33.8	142

Table 3. Average Minutes of Duration of Seclusion and Restraint in Crisis Utilization (Means across agencies)

	N	Mean	SD	Min	Max
Agencies that reported Seclusions (Adults)	1	92.5	n/a		
Agencies that reported Seclusions (Youth)	1	40.3	n/a		
Agencies that reported Physical Restraints (Adults)	2	2.2	1.2	1.3	3.0
Agencies that reported Physical Restraints (Youth)	2	18.3	9.5	11.5	25.0
Agencies that reported Mechanical Restraints (Adults)	4	108.5	99.2	1.5	240.0

Agencies providing Partial Hospitalization

Of the 60 agencies that allow Seclusion and Restraint 29 (48.3%) agencies were not certified to provide partial hospitalization, and 1 (1.7%) agency prohibits Seclusion or Restraint in their partial hospitalization. This leaves 30 agencies allow Seclusion and Restraint in partial hospitalization:

- 10 agencies provide adult partial hospitalization
- 20 agencies provide youth partial hospitalization.

Partial Hospitalization Service Utilization

Agencies that allow Seclusion and Restraint reported on the total number of Partial Hospitalization clients served and the hours of Partial Hospitalization provided. Table 4 displays these reports for the six-month period.

Table 4. Descriptive Statistics of the number of Partial Hospitalization people served and hours

		6 month Total	Jan	Feb	Mar	Apr	May	Jun
Number of adults receiving Partial Hospitalization (N=10 agencies)	Mean	258.5	45.9	42.9	44.1	43.3	43.7	38.6
	SD	292.4	49.2	50.7	48.4	52.7	53.7	39.4
	Min	17	9	0	0	0	0	0
	Max	989	169	171	163	178	180	128
Total hours of adult Partial Hospitalization	Mean	7,837.9	1,352.2	1,260.5	1,347.2	1,300.0	1,319.6	1,258.4
	SD	12,856.9	1924.9	2127.4	2369.3	2241.8	2258.5	1990.0
	Min	127	21	0	0	0	0	0
	Max	41,552	6339	6733	7531	7247	7330	6372
Number of youth receiving Partial Hospitalization (N=20 agencies)	Mean	541.2	88.9	88.6	91.7	81.1	91.0	100.0
	SD	673.7	114.3	114.3	114.6	112.2	115.5	113.6
	Min	82	15	8	8	9	7	9
	Max	3110	525	526	525	520	526	488
Total hours of youth Partial Hospitalization	Mean	18,673.2	2,964.4	3,348.0	3,283.4	2,820.1	3,459.0	2,798.3
	SD	24,208.0	3,908.9	4,409.6	4,477.8	3,390.5	4,642.2	3,549.5
	Min	345	54	48	66	63	66	48
	Max	97,406	15,834	17,485	18,538	12,339	18,707	14,501

Of the 30 agencies which are certified to provide Partial Hospitalization and allow Seclusion/Restraint, nine allowed Seclusion or Restraint, but did not utilize it during partial hospitalization in the six-month period. And 21 agencies did report some type of Seclusion/Restraint use during partial hospitalization. Table 5a reports the number and Table 6a report the duration of Seclusions and Restraints for the six-months.

Seclusions

No agencies serving adults reported Seclusions in partial hospitalization.

The total number of Seclusions reported for youth in Partial Hospitalization was 7. One agency serving youth reported Seclusions in partial hospitalization; when standardizing by utilization the average number of Seclusions per 1000 partial hospital utilization hours was 29.6. The average duration of Seclusions for youth in partial hospitalization was 39.3 minutes.

Physical Restraints

No agencies serving adults reported utilizing Physical Restraints in partial hospitalization.

The total number of Physical Restraints reported for youth in Partial Hospitalization was 2,202. Twenty agencies serving youth reported Physical Restraints in partial hospitalization; when standardizing by utilization the average number of Physical Restraints per 1000 partial hospitalization hours was 169.5.

- Table 5b breaks out the Physical Restraints for youth in partial hospitalization by month; the highest number of Physical Restraints reported was in May (M=294.5) and the lowest number of Physical Restraints reported was in June (M=91.3).

The average duration of Physical Restraints for youth in partial hospitalization was 9.0 minutes.

- Table 6b breaks out the duration of Physical Restraints for youth in partial hospitalization by month; the highest average duration of Physical Restraints was reported in January (M=8.6) and the lowest average duration of Physical Restraints was reported in March (M=7.3).

Mechanical Restraints

No agencies serving adults reported Mechanical Restraints in partial hospitalization. Mechanical Restraints are not allowed to be used on youth clients.

Table 5a. Frequency of Seclusions and Restraints (Means across all six months across agencies)

	N of agencies	per 1000 Partial Hospitalization Hrs				Total N of Seclusions/ Restraints
		Mean	SD	Min	Max	
Agencies that reported Seclusions (Adults)	0					0
Agencies that reported Seclusions (Youth)	1	29.6	n/a			7
Agencies that reported Physical Restraints (Adults)	0					0
Agencies that reported Physical Restraints (Youth)	20	169.5	190.8	3.4	583.3	2,202
Agencies that reported Mechanical Restraints (Adults)	0					0

Table 5b. Frequency of Physical Restraints per 1000 Partial Hospitalization Hours by month (Means across agencies)

		Jan	Feb	Mar	Apr	May	Jun
Agencies that reported Physical Restraints (Youth N = 20)	Mean	172.4	164.3	209.1	193.5	294.5	91.3
	SD	223.5	181.2	311.3	284.3	551.5	156.8

Table 6a. Average Minutes of Duration of Seclusion and Restraint in Partial Hospitalization (Means across agencies)

	N	Mean	SD	Min	Max
Agencies that reported Seclusions (Adults)	0				
Agencies that reported Seclusions (Youth)	1	39.3	n/a		
Agencies that reported Physical Restraints (Adults)	0				
Agencies that reported Physical Restraints (Youth)	20	9.0	6.8	1.2	35.0
Agencies that reported Mechanical Restraints (Adults)	0				

Table 6b. Average Minutes of Duration of Physical Restraints in Partial Hospitalization by month (Means across agencies)

		Jan	Feb	Mar	Apr	May	Jun
Agencies that reported	Mean	8.6	7.4	7.3	7.7	7.7	7.8
Physical Restraints (Youth)	SD	7.9	3.1	4.6	3.9	4.1	3.9
	N	17	17	17	16	17	13

*The formula for computing duration only includes reported Seclusions for that period; therefore the N changes based on the number reported each month.

Agencies providing Other Certified Mental Health Services

Of the 60 agencies that allow Seclusion and Restraint overall, 11 (18.3%) agencies prohibit Seclusion or Restraint in their other mental health services, and 34 (56.7%) did not use Seclusion or Restraint in their other certified mental health services. One quarter (N=15) of the agencies used Seclusion or Restraint in other certified mental health services. Table 7 reports on the number of Seclusions and Restraints for the six-months; Table 8 reports on the duration of Seclusions and Restraints.

Other Certified Mental Health Services Utilization

Agencies were not asked to report on the number of other certified mental health hours provided. Therefore, the number of Seclusions and Restraints reported per 1000 client hours is not able to be calculated, and thus the frequencies reported in Table 7 are not standardized.

Seclusions

No agencies serving adults or youth reported utilizing Seclusions in other certified mental health services.

Physical Restraints

The total number of Physical Restraints reported for adults in Other Certified Mental Health Services was 1,049. Four agencies serving adults reported Physical Restraints in other certified mental health services; the average number of Physical Restraints was 74.8. The average duration of Physical Restraints for adults in other certified mental health services was 7.6 minutes.

The total number of Physical Restraints reported for youth in Other Certified Mental Health Services was 299. Thirteen agencies serving youth reported Physical Restraints in other certified mental health services; the average number of Physical Restraints was 80.7. The average duration of Physical Restraints for youth in other certified mental health services was 6.70 minutes.

Mechanical Restraints

No agencies serving adults reported Mechanical Restraints in other certified mental health services. Mechanical Restraints are not allowed to be used on youth clients.

Table 7. Frequency of Seclusions and Restraints in Other Mental Health Services (Means across all six months across agencies)

	N of agencies	Mean	SD	Min	Max	Total N of Seclusions/ Restraints
Agencies that reported Seclusions (Adults)	0					0
Agencies that reported Seclusions (Youth)	0					0
Agencies that reported Physical Restraints (Adults)	4	74.8	144.8	1	292	299
Agencies that reported Physical Restraints (Youth)	13	80.7	103.3	1	275	3,254
Agencies that reported Mechanical Restraints (Adults)	0					0

Table 8. Average Minutes of Duration of Seclusion and Restraint in Other Mental Health Services (Means across agencies)

	N	Mean	SD	Min	Max
Agencies that reported Seclusions (Adults)	0				
Agencies that reported Seclusions (Youth)	0				
Agencies that reported Physical Restraints (Adults)	4	7.6	7.1	1.0	17.7
Agencies that reported Physical Restraints (Youth)	13	6.7	3.6	0.0	15.0
Agencies that reported Mechanical Restraints (Adults)	0				

Injuries to Staff from Seclusions and Restraints

Agencies also reported on the number of injuries to staff members related to any Seclusions and Restraints. Of the 60 agencies that allow Seclusion and Restraint, 15 reported some type of staff injury.

- The 15 agencies reporting an injury requiring First Aid reported a total of 83 injuries, with an average number of 5.5 injuries per agency.
- The 6 agencies reporting an injury requiring emergency or unplanned medical intervention reported a total of 17 injuries, with an average number of 2.8 injuries per agency.
- There was only 1 injury reported requiring hospitalization.

Table 9. Seclusion and Restraint-Related Injury to Staff (Means across agencies)

	N	Mean	SD	Min	Max	Total Injuries
Injuries Requiring First Aid	15	5.5	7.9	1	24	83
Injuries Requiring Emergency/Unplanned medical intervention	6	2.8	2.8	1	8	17
Injuries Requiring Hospitalization	1	1	n/a			1