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ANALYSIS OF DEPARTMENT OF CHILD SERVICES PLACEMENT AND THE RENDERING OF MRO SERVICES

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This report, created at the request of the Indiana Family and Social Services Administration, Office of Medicaid Policy and Planning, describes the types of services children in the child welfare system receive. Specifically, OMPP requested the number of children receiving psychiatric rehabilitative services, paid by Medicaid dollars, grouped by the type of foster placement, and by provider. This ad hoc report fulfills this request.

The purpose of this report is to identify the number and proportion of children in the DCS system receiving psychiatric rehabilitation services..

METHODOLOGY

Data. All data received from the aforementioned state agencies were analyzed and managed using SPSS and Microsoft SQL Server. To ensure confidentiality, the data provided did not include any identifying information. Both datasets were merged together using the Enterprise Client Identifier (ECI). This number, assigned by DTS, allows the analysis team to recognize the same individual across separate data systems without providing identifying characteristics.

DCS Data. The data provided by the Department of Child Services (DCS) includes all children who were in substitute care during the period of July 1, 2003 through September 30, 2005. Only children who were removed or declared a Child in Need of Services (CHINS) during the reporting period were selected in order to provide consistent comparison among data systems. This data file includes an ECI number, a type of placement, a child's age, gender, and race, as well as their initial and current CHINS and removal dates.

These data were aggregated by the children's ECI number and their type of placement. This is to say that each record in the dataset was collapsed to ensure that each child was only accounted for one time for each type of placement. Children who had multiple placements of different types, however, may be represented more than once.

OMPP Data. The Office of Medicaid Policy and Planning (OMPP) also provided data on children with regard to behavioral health services that children received during the benchmark and pilot periods. The nature of this data required significant transformations to be performed before being analyzed. The data were aggregated to create a single record for each child. The first service date variable was aggregated to select the earliest date within all records pertaining to each child. The last service date was aggregated to select the latest date for each child.

The data file provided by OMPP includes an ECI number, the type of service rendered, the data of service, a provider identifier, and the dollar amount incurred for services. Only those records that indicated a mental health rehabilitation service (paid through MRO) was rendered were used in this analysis. This was accomplished by selecting only procedure codes and service category codes indicating such. These data were also aggregated by the ECI number and the provider identification number. After aggregation, the OMPP data was merged with DCS data. This merged dataset was used to compute the descriptive statistics presented.

DATA SUMMARY

Descriptive information regarding the number of children receiving MRO services in each type of placement facility is provided in Table 1. The results of this analysis show that overall, of the 9480 children declared a CHINS or removed during the reporting period, 2139 (22.6%) received MRO services within the reporting period timeframe. In addition to Table 1, charts graphically depicting the proportion of children receiving MRO services within each placement type are provided for categories with ten or more children in Appendix A. As the table and charts show, the largest percentage of the population receiving MRO services are those placed in a state hospital where 13 of 18 DCS children received MRO (72.2%). This is followed by those in any hospital other than a state operated facility where 35 of 66 children received MRO (53.0%). While these proportions are relatively large, the number of children within these placement categories is small indicating these categories have little impact on the overall utilization of MRO services. Placement categories with the largest number of children indicate there is less utilization of these services. Included are foster care homes (23.5% utilization), a relative's home (17.6% utilization), and court approved placements (17.3% utilization).

The second set of analyses, shown in Table 2, attempts to isolate the causal effect that a CHINS declaration or removal may provide in rendering MRO services. In order to accomplish this, the research team selected only those MRO services that occurred after the CHINS declaration or the child's removal from their home. The results of these analyses show that of the 9480 children, 1470 (15.5%) received these services after DCS contact. The percentages of those not receiving MRO services change noticeably after a CHINS or removal. With the exception of state hospitals where 38.9% of children received services after contact, the remaining groups have equal or less than 25% utilization rates. In addition to Table 2, charts graphically depicting the proportion of children receiving MRO services after a CHINS declaration or removal within each placement type are provided for categories with ten or more children in Appendix B.

The final set of analyses, show in Tables 3 and 4, breaks down the number of children serviced by each provider. Table 4 shows the number of children within each placement category by the provider rendering services. The large number of providers, and the relatively few children serviced by each provider within each category, limits any broad descriptions that can be provided. The information provided only includes provider

identification numbers, as the research team did not have access to provider names at the time of publication.

Table 1: Children Receiving MRO Services At Any Time During Reporting Period (N=9480)

Type of Placement	Not Receiving Services (%)	Receiving Services (%)	Total
Foster Care Home	3724 (76.5%)	1143 (23.5%)	4867
Relative Home	1170 (82.4%)	250 (17.6%)	1420
Court Approved – Not Licensed	1059 (82.7%)	221 (17.3%)	1280
Child Caring Institution	626 (66.9%)	310 (33.1%)	936
None	473 (100.0%)	0 (0.0%)	473
Group Home	143 (60.3%)	94 (39.7%)	237
Private Secure Facility	63 (56.8%)	48 (43.2%)	111
Hospital Other Than State	31 (47.0%)	35 (53.0%)	66
State Hospital	5 (27.8%)	13 (72.2%)	18
Registered Group Home	13 (76.5%)	4 (23.5%)	17
Correctional Institution/Facilities	7 (58.3%)	5 (41.7%)	12
Out of State Foster/Approved Relative	8 (66.7%)	4 (33.3%)	12
Nursing Home	7 (87.5%)	1 (12.5%)	8
Registered Child Caring Institution	3 (50.0%)	3 (50.0%)	6
Emergency Shelter	2 (40.0%)	3 (60.0%)	5
Out of State Substitute Care	3 (60.0%)	2 (40.0%)	5
Mental Health and Addiction Services	3 (60.0%)	0 (0.0%)	3
Developmental Disabilities Services	0 (0.0%)	2 (40.0%)	2
Guardian	0 (0.0%)	1 (100.0%)	1
Adoption	1 (100.0%)	0 (0.0%)	1
TOTAL	7341 (77.4%)	2139 (22.6%)	9480

Table 2: Children Receiving MRO Services After Declared CHINS or Removal (N=9480)

Type of Placement	Not Receiving Services (%)	Receiving Services (%)	Total
Foster Care Home	4031 (82.8%)	836 (17.2%)	4867
Relative Home	1223 (86.1%)	197 (13.9%)	1420
Court Approved – Not Licensed	1113 (87.0%)	167 (13.0%)	1280
Child Caring Institution	781 (83.4%)	155 (16.6%)	936
None	473 (100.0%)	0 (0.0%)	473
Group Home	184 (77.6%)	53 (22.4%)	237
Private Secure Facility	87 (78.4%)	24 (21.6%)	111
Hospital Other Than State	50 (75.8%)	16 (24.2%)	66
State Hospital	11 (61.1%)	7 (38.9%)	18
Registered Group Home	14 (82.4%)	3 (17.6%)	17
Correctional Institution/Facilities	9 (75.0%)	3 (25.0%)	12
Out of State Foster/Approved Relative	9 (75.0%)	3 (25.0%)	12
Nursing Home	8 (100.0%)	0 (0.0%)	8
Registered Child Caring Institution	5 (83.3%)	1 (16.7%)	6
Emergency Shelter	3 (60.0%)	2 (40.0%)	5
Out of State Substitute Care	4 (80.0%)	1 (20.0%)	5
Mental Health and Addiction Services	3 (100.0%)	0 (0.0%)	3
Developmental Disabilities Services	1 (50.0%)	1 (50.0%)	2
Guardian	0 (0.0%)	1 (100.0%)	1
Adoption	1 (100.0%)	0 (0.0%)	1
TOTAL	8010 (84.5%)	1470 (15.5%)	9480

Table 3: Number of Children Receiving MRO Services by Provider

Provider ID	Number of Unique Children Served	Percent of Total Served
100323760	225	10.52%
200363680	185	8.65%
200006060	142	6.64%
200205240	102	4.77%
100086010	83	3.88%
200224110	70	3.27%
200314900	61	2.85%
100202740	53	2.48%
100381840	48	2.24%
200173270	45	2.10%
200402690	45	2.10%
100104410	41	1.92%
200006300	36	1.68%
200244600	36	1.68%
100154500	34	1.59%
200198480	33	1.54%
200181130	31	1.45%
100048500	29	1.36%
100115020	25	1.17%
100069320	24	1.12%
200229600	24	1.12%
100184040	23	1.08%
100332260	22	1.03%
100474860	19	0.89%
200061060	19	0.89%
200506080	18	0.84%
100323530	17	0.79%
100376860	17	0.79%
200126270	17	0.79%
200200720	17	0.79%
100382510	16	0.75%
100021100	15	0.70%
100114180	15	0.70%
100353270	15	0.70%
100475040	14	0.65%
200080610	14	0.65%
200255560	14	0.65%
200261970	14	0.65%
200449740	14	0.65%
200062340	13	0.61%
200499530	13	0.61%
200125850	12	0.56%
200411010	12	0.56%

Provider ID	Number of Unique Children Served	Percent of Total Served
100064050	11	0.51%
200059130	11	0.51%
200316310	10	0.47%
200329660	10	0.47%
100131320	9	0.42%
100154240	9	0.42%
100461100	9	0.42%
200360290	9	0.42%
200233310	8	0.37%
200466530	8	0.37%
100121810	7	0.33%
100162990	7	0.33%
100474840	7	0.33%
200120980	7	0.33%
200138390	7	0.33%
200154190	7	0.33%
200290140	7	0.33%
200331210	7	0.33%
200496030	7	0.33%
200344390	6	0.28%
200363360	6	0.28%
200445850	6	0.28%
100120090	5	0.23%
100232720	5	0.23%
100323730	5	0.23%
100382500	5	0.23%
100468180	5	0.23%
200263520	5	0.23%
200313250	5	0.23%
200349170	5	0.23%
200361200	5	0.23%
100227720	4	0.19%
100325110	4	0.19%
100342910	4	0.19%
100351140	4	0.19%
100362940	4	0.19%
100376850	4	0.19%
100382480	4	0.19%
100387270	4	0.19%
100468030	4	0.19%
200026040	4	0.19%
200067860	4	0.19%
200200710	4	0.19%

Provider ID	Number of Unique Children Served	Percent of Total Served
200200740	4	0.19%
200200750	4	0.19%
200200780	4	0.19%
200264440	4	0.19%
200298330	4	0.19%
200411320	4	0.19%
10226850	3	0.14%
100332050	3	0.14%
100352250	3	0.14%
100384880	3	0.14%
200045000	3	0.14%
200205490	3	0.14%
200235530	3	0.14%
200249480	3	0.14%
200254160	3	0.14%
200422690	3	0.14%
200443940	3	0.14%
200470060	3	0.14%
200500820	3	0.14%
100127160	2	0.09%
100139400	2	0.09%
100260530	2	0.09%
100263060	2	0.09%
100343110	2	0.09%
100365910	2	0.09%
100366140	2	0.09%
100366260	2	0.09%
100381960	2	0.09%
100384840	2	0.09%
100391840	2	0.09%
200013260	2	0.09%
200200770	2	0.09%
200255110	2	0.09%
200303280	2	0.09%
200307900	2	0.09%
200326820	2	0.09%
200342040	2	0.09%
200348760	2	0.09%
200460160	2	0.09%
200479640	2	0.09%
100060160	1	0.05%

Provider ID	Number of Unique Children Served	Percent of Total Served
100117310	1	0.05%
100239430	1	0.05%
100323470	1	0.05%
100362960	1	0.05%
100364160	1	0.05%
100366300	1	0.05%
100381970	1	0.05%
100387500	1	0.05%
100474870	1	0.05%
200009770	1	0.05%
200010820	1	0.05%
200020524	1	0.05%
200027420	1	0.05%
200036500	1	0.05%
200040230	1	0.05%
200100610	1	0.05%
200104010	1	0.05%
200112330	1	0.05%
200131910	1	0.05%
200147310	1	0.05%
200218240	1	0.05%
200240960	1	0.05%
200270880	1	0.05%
200284820	1	0.05%
200288970	1	0.05%
200301310	1	0.05%
200309650	1	0.05%
200327160	1	0.05%
200347580	1	0.05%
200358280	1	0.05%
200400790	1	0.05%
200424330	1	0.05%
200428170	1	0.05%
200428840	1	0.05%
200430340	1	0.05%
200459320	1	0.05%
200461730	1	0.05%
200463330	1	0.05%
200470690	1	0.05%
200485890	1	0.05%
200490400	1	0.05%
200498100	1	0.05%
200510820	1	0.05%

Table 4: Number of Children Receiving MRO-Like Services by Placement Type and Service Provider (N=2139)

Foster Care Home (N=1143; 53.44% of total)					
Provider Id.	Number of Children	Provider Id.	Number of Children	Provider Id.	Number of Children
200363680	143	200138390	5	102268500	1
100323760	135	200263520	5	100060160	1
200006060	59	200313250	5	100064050	1
200205240	56	200316310	5	100232720	1
100086010	45	200363360	5	100239430	1
200224110	38	100121810	4	100323470	1
200402690	33	100382500	4	100323730	1
100381840	29	100387270	4	100332050	1
100104410	28	100475040	4	100352250	1
100202740	28	200255560	4	100362940	1
200181130	27	200361200	4	100366140	1
200314900	25	200445850	4	100376850	1
200006300	21	200496030	4	100384880	1
200244600	20	100131320	3	100387500	1
200173270	19	100227720	3	100391840	1
100115020	17	100342910	3	200020524	1
200198480	16	200120980	3	200027420	1
100154500	15	200298330	3	200040230	1
100332260	14	200329660	3	200067860	1
200506080	14	200360290	3	200100610	1
200126270	12	200411320	3	200112330	1
200200720	12	100162990	2	200147310	1
200229600	12	100366260	2	200200740	1
100021100	11	100382480	2	200240960	1
100069320	11	100382510	2	200249480	1
100184040	11	100384840	2	200254160	1
100376860	10	100461100	2	200264440	1
100474860	10	100468030	2	200290140	1
200080610	10	100468180	2	200309650	1
100114180	9	200026040	2	200327160	1
200125850	9	200045000	2	200342040	1
200411010	8	200154190	2	200348760	1
200449740	8	200200710	2	200400790	1
200499530	8	200200750	2	200428170	1
100048500	7	200200780	2	200430340	1
100353270	7	200205490	2	200461730	1
200062340	7	200235530	2	200463330	1
200261970	7	200307900	2	200470690	1
100323530	6	200326820	2	200479640	1
100154240	5	200331210	2	200485890	1
100474840	5	200349170	2	200500820	1
200059130	5	200466530	2		
200061060	5	200470060	2		

Child Caring Institute (N=310; 14.49% of total)					
Provider Id.	Number of Children	Provider Id.	Number of Children	Provider Id.	Number of Children
100202740	19	200200720	3	100263060	1
100323760	19	200255560	3	100323730	1
200205240	18	200499530	3	100352250	1
200006060	11	100064050	2	100365910	1
100048500	10	100086010	2	100366300	1
200224110	10	100114180	2	100382480	1
100382510	9	100115020	2	100382500	1
200244600	8	100131320	2	200009770	1
200314900	8	100351140	2	200026040	1
200006300	7	100353270	2	200061060	1
100069320	6	100376850	2	200125850	1
100104410	6	100376860	2	200126270	1
100184040	6	100468030	2	200181130	1
100381840	6	100474840	2	200200710	1
200173270	6	100474860	2	200235530	1
200233310	6	200013260	2	200249480	1
200290140	6	200062340	2	200255110	1
100332260	5	200080610	2	200270880	1
200329660	5	200120980	2	200288970	1
200363680	5	200154190	2	200301310	1
100323530	4	200200740	2	200303280	1
100325110	4	200200780	2	200316310	1
100461100	4	200229600	2	200347580	1
100475040	4	200264440	2	200358280	1
200198480	4	200331210	2	200360290	1
200261970	4	200402690	2	200411320	1
200344390	4	200411010	2	200460160	1
200449740	4	200422690	2	200470060	1
100021100	3	200466530	2	200498100	1
100154240	3	100121810	1	200500820	1
200059130	3	100260530	1		

Home of Relative (N=250; 11.69% of total)					
Provider Id.	Number of Children	Provider Id.	Number of Children	Provider Id.	Number of Children
200006060	48	100154500	2	100384880	1
100323760	46	100202740	2	100391840	1
200363680	15	100468180	2	100461100	1
200061060	12	200062340	2	100474870	1
200173270	10	200125850	2	200059130	1
100086010	8	200138390	2	200154190	1
100353270	6	200198480	2	200181130	1
100069320	5	200445850	2	200200720	1
100376860	5	200496030	2	200224110	1
200006300	5	10226850	1	200254160	1
200205240	5	100048500	1	200255110	1
200229600	5	100117310	1	200261970	1
100064050	4	100121810	1	200348760	1
100232720	4	100127160	1	200363360	1
100381840	4	100263060	1	200402690	1
200360290	4	100323730	1	200422690	1
100104410	3	100332260	1	200443940	1
100115020	3	100342910	1	200459320	1
100184040	3	100352250	1	200466530	1
200244600	3	100366140	1	200490400	1
100120090	2	100382510	1		

Court Approved Placement – Not Licensed (N=221; 10.33% of total)					
Provider Id.	Number of Children	Provider Id.	Number of Children	Provider Id.	Number of Children
200205240	17	200255560	3	100365910	1
100323760	15	200331210	3	100376850	1
200314900	15	200349170	3	100381970	1
200006060	14	100069320	2	100382480	1
200224110	14	100104410	2	100384880	1
200363680	14	100332260	2	100468180	1
100154500	9	100343110	2	200045000	1
200198480	9	100381960	2	200059130	1
100048500	7	100461100	2	200061060	1
100381840	5	100474860	2	200062340	1
100323530	4	200067860	2	200200750	1
100475040	4	200080610	2	200205490	1
200126270	4	200120980	2	200303280	1
200173270	4	200316310	2	200360290	1
200506080	4	200402690	2	200411010	1
100086010	3	100064050	1	200424330	1
100114180	3	100115020	1	200443940	1
100120090	3	100121810	1	200449740	1
100131320	3	100127160	1	200479640	1
100162990	3	100260530	1	200496030	1
100202740	3	100323730	1	200510820	1
200229600	3	100351140	1		

Group Home (N=94; 4.39% of total)					
Provider Id.	Number of Children	Provider Id.	Number of Children	Provider Id.	Number of Children
100086010	15	100323530	2	200006300	1
200314900	9	100362940	2	200010820	1
100154500	6	100382510	2	200036500	1
200363680	5	200006060	2	200067860	1
200244600	4	200224110	2	200154190	1
200255560	4	200261970	2	200200710	1
100474860	3	200316310	2	200298330	1
200173270	3	200499530	2	200411010	1
200205240	3	100131320	1	200428840	1
200402690	3	100154240	1	200443940	1
100048500	2	100323730	1	200460160	1
100104410	2	100351140	1	200466530	1
100184040	2	100475040	1		

Private Secure Facility (N=48; 2.24% of total)					
Provider Id.	Number of Children	Provider Id.	Number of Children	Provider Id.	Number of Children
100323760	6	100115020	1	200200750	1
100086010	4	100139400	1	200205240	1
100048500	2	100162990	1	200218240	1
100332050	2	100184040	1	200229600	1
100381840	2	100202740	1	200233310	1
200006060	2	100227720	1	200329660	1
200173270	2	100382510	1	200342040	1
200314900	2	200006300	1	200363680	1
200344390	2	200059130	1	200402690	1
10226850	1	200131910	1	200449740	1
100064050	1	200198480	1	200500820	1

Hospital other than State (N=35; 1.64% of total)					
Provider Id.	Number of Children	Provider Id.	Number of Children	Provider Id.	Number of Children
100086010	3	100382510	1	200224110	1
100323760	3	100474860	1	200244600	1
200006060	3	200006300	1	200249480	1
200200770	2	200026040	1	200264440	1
100064050	1	200062340	1	200284820	1
100115020	1	200104010	1	200314900	1
100162990	1	200198480	1	200361200	1
100323530	1	200200720	1	200363680	1
100362940	1	200200740	1		
100362960	1	200205240	1		

State Hospital (N=13; 0.61% of total)	
Provider Id.	Number of Children
100086010	2
100154500	2
200402690	2
100064050	1
100114180	1
100474860	1
100475040	1
200233310	1
200254160	1
200329660	1

Correctional Institution (N=4; 0.23% of total)	
Provider Id.	Number of Children
200224110	3
100323760	1
200466530	1

Registered Group Home (N=4; 0.23% of total)	
Provider Id.	Number of Children
100021100	1
100139400	1
200006060	1
200224110	1

Out of State Foster / Approved Relative Home ICPC (N=4; 0.19% of total)	
Provider Id.	Number of Children
100381840	1
200154190	1
200173270	1
200205240	1

Registered Child Caring Institution (N=3; 0.14% of total)	
Provider Id.	Number of Children
200006060	1
200229600	1
200402690	1

Emergency Shelter (N=3; 0.14% of total)	
Provider Id.	Number of Children
200181130	2
200314900	1

Out of State Substitute Care - ICPC (N=2; 0.09% of total)	
Provider Id.	Number of Children
200363680	1
200466530	1

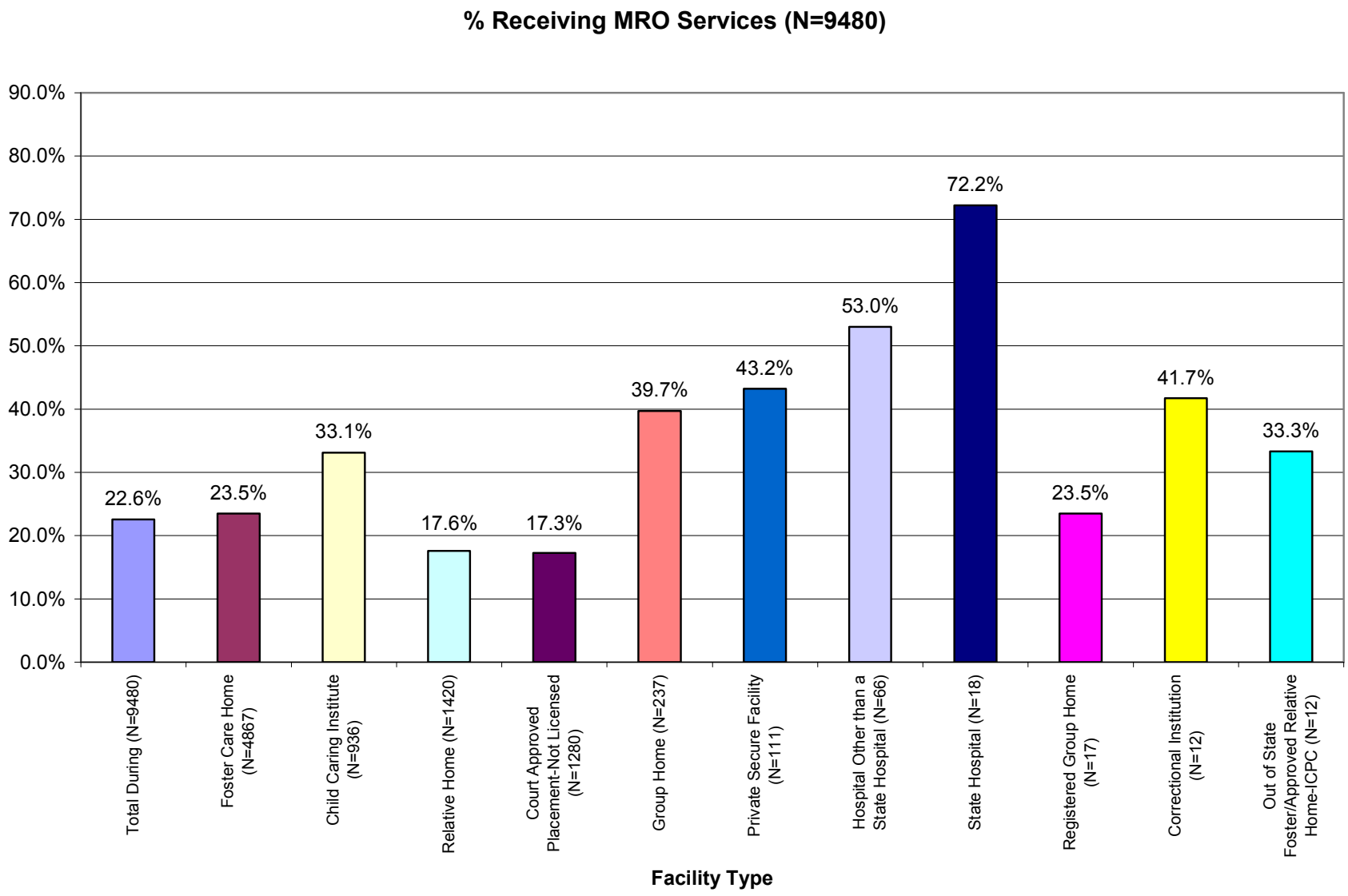
Developmental Disabilities Services (N=2; 0.09% of total)	
Provider Id.	Number of Children
100086010	1
100364160	1

Guardian (N=1; 0.5% of total)	
Provider Id.	Number of Children
100381840	1

Nursing Home (N=1; 0.5% of total)	
Provider Id.	Number of Children
200006060	1

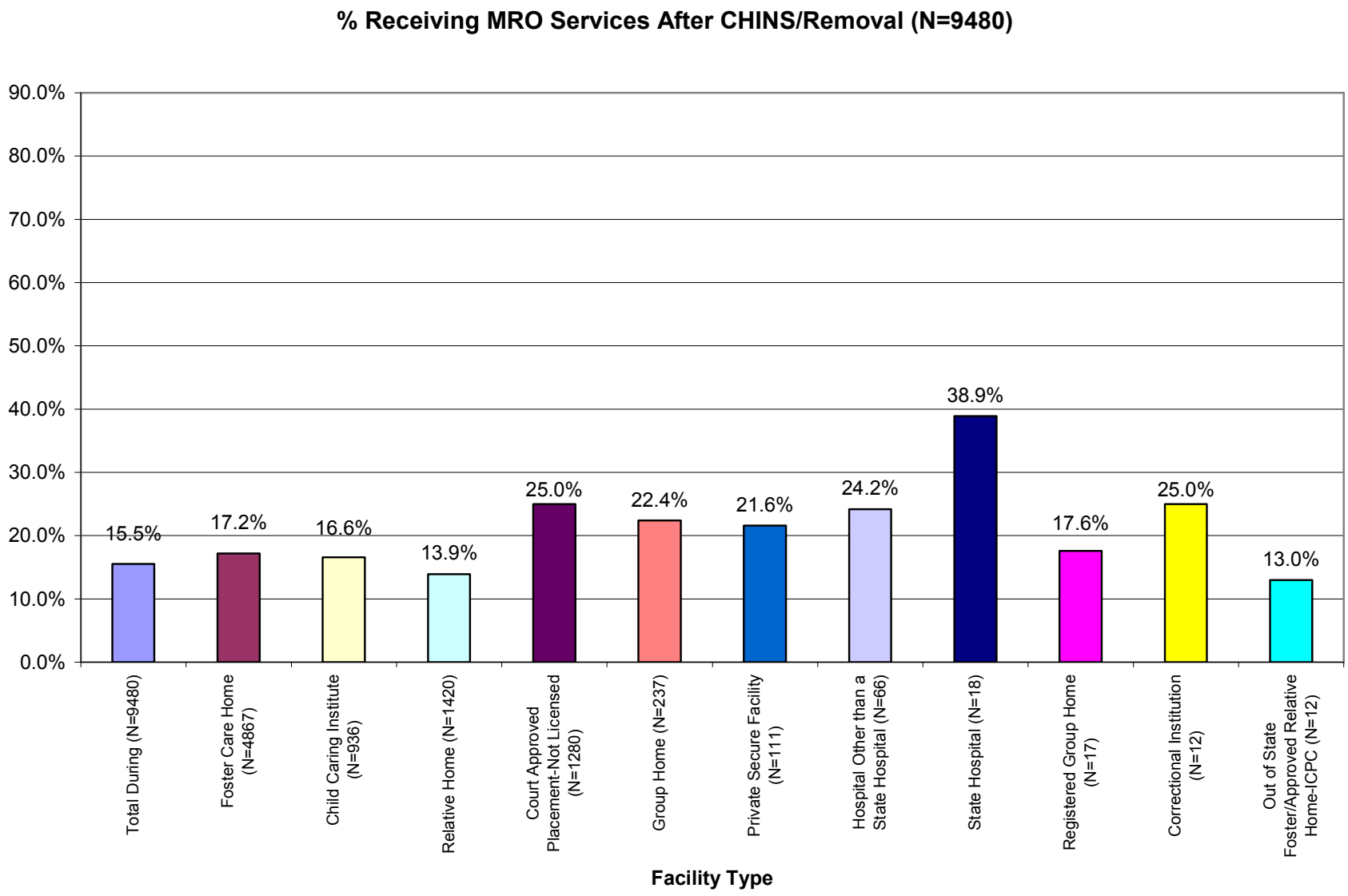
APPENDIX A

CHART DEPICTING THE PROPORTION OF CHILDREN RECEIVING MRO SERVICES WITHIN EACH PLACEMENT CATEGORY.


% Receiving MRO Services (N=9480)
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
22.6%
23.5%
33.1%
17.6%
17.3%
39.7%
43.2%
53.0%
72.2%
23.5%
41.7%
33.3%
Total During (N=9480)
Foster Care Home (N=4867)
Child Caring Institute (N=936)
Relative Home (N=1420)
Court Approved Placement-Not Licensed (N=1280)
Group Home (N=237)
Private Secure Facility (N=111)
Hospital Other than a State Hospital (N=66)
State Hospital (N=18)
Registered Group Home (N=17)
Correctional Institution (N=12)
Out of State Foster/Approved Relative Home-ICPC (N=12)
Facility Type

APPENDIX B

CHART DEPICTING THE PROPORTION OF CHILDREN RECEIVING MRO SERVICES AFTER CHINS DECLARATION OR REMOVAL WITHIN EACH PLACEMENT CATEGORY.


% Receiving MRO Services After CHINS/Removal (N=9480)
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
15.5%
17.2%
16.6%
13.9%
25.0%
22.4%
21.6%
24.2%
38.9%
17.6%
25.0%
13.0%
Total During (N=9480)
Foster Care Home (N=4867)
Child Caring Institute (N=936)
Relative Home (N=1420)
Court Approved Placement-Not Licensed (N=1280)
Group Home (N=237)
Private Secure Facility (N=111)
Hospital Other than a State Hospital (N=66)
State Hospital (N=18)
Registered Group Home (N=17)
Correctional Institution (N=12)
Out of State Foster/Approved Relative Home-ICPC (N=12)
Facility Type