

# Children screened, diagnosed and treated for autism spectrum disorder

These data, published in compliance with [Minn. Stat. 256B.69, Subd. 32a](https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a) (<https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a>), show the number of children aged 1 to 6 who received a diagnostic assessment for autism spectrum disorder, the total number of children aged 1 to 6 with a diagnosis of autism spectrum disorder who received treatments and the types of treatments provided to children who were enrolled in a managed-care organization (MCO).

The statute also requires MCOs to report to DHS annually any barriers they encounter in the delivery of these services. Read the 2018 responses in the [Report on barriers, strategies and effectiveness of practices in the identification of children between the ages of 1-3 with symptoms of autism spectrum disorder \(PDF\)](https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;) (<https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;>).

## Data by calendar year

2017	2016	2015	2014	2013																														
<h3>Data from 2017 calendar year</h3> <p><b>Table 1. Number of children (1-6 years old) who received a diagnostic assessment</b></p> <table border="1"> <thead> <tr> <th>MCO</th> <th>Number of children (age 1-3)</th> <th>Number of children (age 4-6)</th> </tr> </thead> <tbody> <tr> <td>Blue Plus</td> <td>507</td> <td>2,395</td> </tr> <tr> <td>HealthPartners</td> <td>153</td> <td>798</td> </tr> <tr> <td>Hennepin Health</td> <td>7</td> <td>26</td> </tr> <tr> <td>Itasca Medical Care</td> <td>17</td> <td>100</td> </tr> <tr> <td>Medica</td> <td>26</td> <td>98</td> </tr> <tr> <td>PrimeWest</td> <td>65</td> <td>319</td> </tr> <tr> <td>South Country Health Alliance</td> <td>59</td> <td>293</td> </tr> <tr> <td>UCare</td> <td>280</td> <td>1,044</td> </tr> <tr> <td>MCOs overall</td> <td>1,114</td> <td>5,073</td> </tr> </tbody> </table>					MCO	Number of children (age 1-3)	Number of children (age 4-6)	Blue Plus	507	2,395	HealthPartners	153	798	Hennepin Health	7	26	Itasca Medical Care	17	100	Medica	26	98	PrimeWest	65	319	South Country Health Alliance	59	293	UCare	280	1,044	MCOs overall	1,114	5,073
MCO	Number of children (age 1-3)	Number of children (age 4-6)																																
Blue Plus	507	2,395																																
HealthPartners	153	798																																
Hennepin Health	7	26																																
Itasca Medical Care	17	100																																
Medica	26	98																																
PrimeWest	65	319																																
South Country Health Alliance	59	293																																
UCare	280	1,044																																
MCOs overall	1,114	5,073																																

**Table 2. Number of children (1-6 years old) with a diagnosis of autism spectrum disorder (ASD) who received treatments**

<b>MCO</b>	<b>Number of children with ASD</b>	<b>Number of children with treatment(s)</b>
Blue Plus	697	539
HealthPartners	285	208
Hennepin Health	19	12
Itasca Medical Care	13	11
Medica	36	24
PrimeWest	100	81
South Country Health Alliance	84	64
UCare	488	354
MCOs overall	1,722	1,293

**Table 3a. Number of children (1-3 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>1-year-olds with ASD</b>	<b>1-year-olds receiving treatments</b>	<b>2-year-olds with ASD</b>	<b>2-year-olds receiving treatments</b>	<b>3-year-olds with ASD</b>	<b>3-year-olds receiving treatments</b>
Blue Plus	6	4	49	40	141	110
HealthPartners	5	3	23	19	47	34
Hennepin Health	0	0	3	1	4	2
Itasca Medical Care	0	0	0	0	2	2
Medica	0	0	3	3	4	3
PrimeWest	1	1	5	4	15	13
South Country Health Alliance	0	0	7	6	13	10
UCare	4	2	43	37	99	77
MHCP overall	16	10	133	110	325	251

**Table 3b. Number of children (4-6 years old) with a diagnosis of ASD who received treatments, by MCO and age**

MCO	4-year-olds with ASD	4-year-olds receiving treatments	5-year-olds with ASD	5-year-olds receiving treatments	6-year-olds with ASD	6-year-olds receiving treatments
Blue Plus	153	122	155	118	193	145
HealthPartners	64	50	69	52	77	50
Hennepin Health	4	3	4	3	4	3
Itasca Medical Care	3	3	5	3	3	3
Medica	9	5	9	8	11	5
PrimeWest	28	23	21	18	30	22
South Country Health Alliance	22	16	15	12	27	20
UCare	104	74	126	89	112	75
MHCP overall	387	296	404	303	457	323

**Table 4a. Blue Plus: Types of treatments provided to children with ASD by procedure code (n=539)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
0359T	Comprehensive Multi-Disciplinary Evaluation (CMDE)	7	16	24.0	3.4
0362T	EIDBI Intervention Observation and Direction, first 30 minutes	7	93	93.0	13.3
0363T	EIDBI Intervention Observation and Direction, additional 30 minutes	6	36	71.0	11.8
0364T	EIDBI Intervention - Individual, first 30 minutes	9	435	435.0	48.3
0365T	EIDBI Intervention - Individual, additional 30 minutes	9	420	2,373.0	263.7
0366T	EIDBI Intervention - Group, first 30 minutes	2	111	111.0	55.5
0367T	EIDBI Intervention - Group, additional 30 minutes	1	94	173.0	173.0
0368T	EIDBI Intervention - Individual (Temp Increase Svcs), first 30 minutes	3	3	3.0	1.0

0369T	EIDBI Intervention - Individual (Temp Increase Svcs), additional 30 minutes	3	6	16.0	5.3
90832	Psychotherapy, 30 min	31	108	108.0	3.5
90833	Psychotherapy with E&M, 30 minutes	8	24	24.0	3.0
90834	Psychotherapy, 45 min	65	318	318.0	4.9
90836	Psychotherapy with E&M, 45 min	3	4	4.0	1.3
90837	Psychotherapy, 60 min	96	517	517.0	5.4
90839	Psychotherapy for Crisis, first 60 minutes	4	4	4.0	1.0
90840	Psychotherapy for Crisis, additional 30 minutes	0	0	0.0	0.0
90846	Family Psychotherapy - Without Patient Present	162	443	443.0	2.7
90847	Family Psychotherapy - With Patient Present	137	578	578.0	4.2
90849	Multiple Family Group Psychotherapy	0	0	0.0	0.0
90853	Group Psychotherapy	3	40	40.0	13.3
90875	Biofeedback Training	0	0	0.0	0.0
90882	Environmental Intervention	0	0	0.0	0.0
90887	Interpretation of Psychiatric and Other Medial Examination	5	5	5.0	1.0
90899	Unlisted Psychiatric Service	29	75	77.0	2.7
99499	Psychiatric Consultation (Unlisted Evaluation and Management)	0	0	0.0	0.0
H0031	Administering and Reporting Standardized Measures	33	44	62.0	1.9
H0032	Individual Treatment Plan Development and Monitoring	59	342	1,451.0	24.6
H2012	Behavioral Health Day Treatment (General Day Treatment)	58	4,204	12,445.0	214.6
H2014	Skills Training	98	5,354	74,409.0	759.3
H2015	Crisis Assistance	3	3	10.0	3.3
H2019	Mental Health Behavioral Aide	11	501	5,679.0	516.3

T1013	Sign Language or Oral Interpreter Services	83	1,045	4,706.0	56.7
T1018	School-based IEP Services, Bundled	0	0	0.0	0.0
T1024	EIDBI Coordinated Care Conference	1	1	1.0	1.0
T1027	Family/Caregiver Training and Counseling	5	28	144.0	28.8

**Table 4b. Blue Plus: Types of treatments provided to children with ASD by category of service (n=539)**

Service category	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
051	Physical Therapy	91	2366	4686	51.5
053	Speech Therapy	336	8675	8678	25.8
054	Occupational Therapy	358	9083	22333	62.4

**Table 5a. HealthPartners: Types of treatment provided to children with ASD by procedure code (n=208)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
0359T	Comprehensive Multi-Disciplinary Evaluation (CMDE)	8	19	19.0	2.4
0362T	EIDBI Intervention Observation and Direction, first 30 minutes	6	35	36.0	6.0
0363T	EIDBI Intervention Observation and Direction, additional 30 minutes	5	13	13.0	2.6
0364T	EIDBI Intervention - Individual, first 30 minutes	3	30	30.0	10.0
0365T	EIDBI Intervention - Individual, additional 30 minutes	3	28	134.0	44.7

0366T	EIDBI Intervention - Group, first 30 minutes	4	36	36.0	9.0
0367T	EIDBI Intervention - Group, additional 30 minutes	4	31	40.0	10.0
0368T	EIDBI Intervention - Individual (Temp Increase Svcs), first 30 minutes	6	74	74.0	12.3
0369T	EIDBI Intervention - Individual (Temp Increase Svcs), additional 30 minutes	6	74	184.0	30.7
90832	Psychotherapy, 30 min	8	23	23.0	2.9
90833	Psychotherapy with E&M, 30 minutes	6	27	27.0	4.5
90834	Psychotherapy, 45 min	18	148	148.0	8.2
90836	Psychotherapy with E&M, 45 min	2	2	2.0	1.0
90837	Psychotherapy, 60 min	21	143	143.0	6.8
90839	Psychotherapy for Crisis, first 60 minutes	1	1	1.0	1.0
90840	Psychotherapy for Crisis, additional 30 minutes	0	0	0.0	0.0
90846	Family Psychotherapy - Without Patient Present	75	317	317.0	4.2
90847	Family Psychotherapy - With Patient Present	54	260	260.0	4.8
90849	Multiple Family Group Psychotherapy	0	0	0.0	0.0
90853	Group Psychotherapy	4	15	15.0	3.8
90875	Biofeedback Training	0	0	0.0	0.0
90882	Environmental Intervention	0	0	0.0	0.0
90887	Interpretation of Psychiatric and Other Medial Examination	6	6	7.0	1.2
90899	Unlisted Psychiatric Service	9	27	27.0	3.0
99499	Psychiatric Consultation (Unlisted Evaluation and Management)	0	0	0.0	0.0
H0031	Administering and Reporting Standardized Measures	39	47	50.0	1.3

H0032	Individual Treatment Plan Development and Monitoring	24	86	443.0	18.5
H2012	Behavioral Health Day Treatment (General Day Treatment)	48	4,976	15,656.0	326.2
H2014	Skills Training	27	963	11,613.0	430.1
H2015	Crisis Assistance	0	0	0.0	0.0
H2019	Mental Health Behavioral Aide	1	26	129.0	129.0
T1013	Sign Language or Oral Interpreter Services	26	335	1,611.0	62.0
T1018	School-based IEP Services, Bundled	0	0	0.0	0.0
T1024	EIDBI Coordinated Care Conference	0	0	0.0	0.0
T1027	Family/Caregiver Training and Counseling	11	68	309.0	28.1

**Table 5b. HealthPartners: Types of treatment provided to children with ASD by category of service (n=208)**

Service category	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
051	Physical Therapy	32	767	1817	56.8
053	Speech Therapy	151	3941	3942	26.1
054	Occupational Therapy	148	3740	10852	73.3

**Table 6a. Hennepin Health: Types of treatment provided to children with ASD by procedure code (n=12)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
0359T	Comprehensive Multi-Disciplinary Evaluation (CMDE)	1	1	1.0	1.0
0362T	EIDBI Intervention Observation and Direction, first 30 minutes	0	0	0.0	0.0

0363T	EIDBI Intervention Observation and Direction, additional 30 minutes	0	0	0.0	0.0
0364T	EIDBI Intervention - Individual, first 30 minutes	0	0	0.0	0.0
0365T	EIDBI Intervention - Individual, additional 30 minutes	0	0	0.0	0.0
0366T	EIDBI Intervention - Group, first 30 minutes	0	0	0.0	0.0
0367T	EIDBI Intervention - Group, additional 30 minutes	0	0	0.0	0.0
0368T	EIDBI Intervention - Individual (Temp Increase Svcs), first 30 minutes	0	0	0.0	0.0
0369T	EIDBI Intervention - Individual (Temp Increase Svcs), additional 30 minutes	0	0	0.0	0.0
90832	Psychotherapy, 30 min	1	1	1.0	1.0
90833	Psychotherapy with E&M, 30 minutes	0	0	0.0	0.0
90834	Psychotherapy, 45 min	1	5	5.0	5.0
90836	Psychotherapy with E&M, 45 min	0	0	0.0	0.0
90837	Psychotherapy, 60 min	1	24	24.0	24.0
90839	Psychotherapy for Crisis, first 60 minutes	0	0	0.0	0.0
90840	Psychotherapy for Crisis, additional 30 minutes	0	0	0.0	0.0
90846	Family Psychotherapy - Without Patient Present	7	38	38.0	5.4
90847	Family Psychotherapy - With Patient Present	5	12	12.0	2.4
90849	Multiple Family Group Psychotherapy	0	0	0.0	0.0
90853	Group Psychotherapy	0	0	0.0	0.0
90875	Biofeedback Training	0	0	0.0	0.0
90882	Environmental Intervention	0	0	0.0	0.0
90887	Interpretation of Psychiatric and Other Medical Examination	0	0	0.0	0.0

90899	Unlisted Psychiatric Service	1	15	15.0	15.0
99499	Psychiatric Consultation (Unlisted Evaluation and Management)	0	0	0.0	0.0
H0031	Administering and Reporting Standardized Measures	3	5	5.0	1.7
H0032	Individual Treatment Plan Development and Monitoring	2	8	23.0	11.5
H2012	Behavioral Health Day Treatment (General Day Treatment)	5	470	1,390.0	278.0
H2014	Skills Training	3	32	135.0	45.0
H2015	Crisis Assistance	0	0	0.0	0.0
H2019	Mental Health Behavioral Aide	0	0	0.0	0.0
T1013	Sign Language or Oral Interpreter Services	8	167	705.0	88.1
T1018	School-based IEP Services, Bundled	0	0	0.0	0.0
T1024	EIDBI Coordinated Care Conference	0	0	0.0	0.0
T1027	Family/Caregiver Training and Counseling	0	0	0.0	0.0

**Table 6b. Hennepin Health: Types of treatment provided to children with ASD by category of service (n=12)**

Service category	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
051	Physical Therapy	0	0	0.0	0.0
053	Speech Therapy	6	255	255.0	42.5
054	Occupational Therapy	6	191	565.0	94.2

**Table 7a. Itasca Medical Care: Types of treatment provided to children with ASD by procedure code (n=11)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
----------------	-------------	---	-------------------	-----------------------	---------------

0359T	Comprehensive Multi-Disciplinary Evaluation (CMDE)	0	0	0.0	0.0
0362T	EIDBI Intervention Observation and Direction, first 30 minutes	0	0	0.0	0.0
0363T	EIDBI Intervention Observation and Direction, additional 30 minutes	0	0	0.0	0.0
0364T	EIDBI Intervention - Individual, first 30 minutes	0	0	0.0	0.0
0365T	EIDBI Intervention - Individual, additional 30 minutes	0	0	0.0	0.0
0366T	EIDBI Intervention - Group, first 30 minutes	0	0	0.0	0.0
0367T	EIDBI Intervention - Group, additional 30 minutes	0	0	0.0	0.0
0368T	EIDBI Intervention - Individual (Temp Increase Svcs), first 30 minutes	0	0	0.0	0.0
0369T	EIDBI Intervention - Individual (Temp Increase Svcs), additional 30 minutes	0	0	0.0	0.0
90832	Psychotherapy, 30 min	2	30	30.0	15.0
90833	Psychotherapy with E&M, 30 minutes	1	2	2.0	2.0
90834	Psychotherapy, 45 min	3	8	8.0	2.7
90836	Psychotherapy with E&M, 45 min	0	0	0.0	0.0
90837	Psychotherapy, 60 min	4	18	18.0	4.5
90839	Psychotherapy for Crisis, first 60 minutes	0	0	0.0	0.0
90840	Psychotherapy for Crisis, additional 30 minutes	0	0	0.0	0.0
90846	Family Psychotherapy - Without Patient Present	2	2	2.0	1.0
90847	Family Psychotherapy - With Patient Present	1	3	3.0	3.0
90849	Multiple Family Group Psychotherapy	0	0	0.0	0.0
90853	Group Psychotherapy	0	0	0.0	0.0
90875	Biofeedback Training	0	0	0.0	0.0

90882	Environmental Intervention	0	0	0.0	0.0
90887	Interpretation of Psychiatric and Other Medical Examination	0	0	0.0	0.0
90899	Unlisted Psychiatric Service	1	3	3.0	3.0
99499	Psychiatric Consultation (Unlisted Evaluation and Management)	0	0	0.0	0.0
H0031	Administering and Reporting Standardized Measures	1	1	4.0	4.0
H0032	Individual Treatment Plan Development and Monitoring	4	14	39.0	9.8
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0	0.0	0.0
H2014	Skills Training	6	301	3,688.0	614.7
H2015	Crisis Assistance	2	2	8.0	4.0
H2019	Mental Health Behavioral Aide	0	0	0.0	0.0
T1013	Sign Language or Oral Interpreter Services	0	0	0.0	0.0
T1018	School-based IEP Services, Bundled	0	0	0.0	0.0
T1024	EIDBI Coordinated Care Conference	0	0	0.0	0.0
T1027	Family/Caregiver Training and Counseling	0	0	0.0	0.0

**Table 7b. Itasca Medical Care: Types of treatment provided to children with ASD by category of service (n=11)**

Service category	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
051	Physical Therapy	1	8	19.0	19.0
053	Speech Therapy	7	92	92.0	13.1
054	Occupational Therapy	5	93	177.0	35.4

**Table 8a. Medica: Types of treatment provided to children with ASD by procedure code (n=24)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units submitted</b>	<b>Average units</b>
0359T	Comprehensive Multi-Disciplinary Evaluation (CMDE)	1	3	3.0	3.0
0362T	EIDBI Intervention Observation and Direction, first 30 minutes	1	2	2.0	2.0
0363T	EIDBI Intervention Observation and Direction, additional 30 minutes	1	1	1.0	1.0
0364T	EIDBI Intervention - Individual, first 30 minutes	0	0	0.0	0.0
0365T	EIDBI Intervention - Individual, additional 30 minutes	0	0	0.0	0.0
0366T	EIDBI Intervention - Group, first 30 minutes	0	0	0.0	0.0
0367T	EIDBI Intervention - Group, additional 30 minutes	0	0	0.0	0.0
0368T	EIDBI Intervention - Individual (Temp Increase Svcs), first 30 minutes	1	5	5.0	5.0
0369T	EIDBI Intervention - Individual (Temp Increase Svcs), additional 30 minutes	1	5	15.0	15.0
90832	Psychotherapy, 30 min	0	0	0.0	0.0
90833	Psychotherapy with E&M, 30 minutes	0	0	0.0	0.0
90834	Psychotherapy, 45 min	2	4	4.0	2.0
90836	Psychotherapy with E&M, 45 min	0	0	0.0	0.0
90837	Psychotherapy, 60 min	3	13	13.0	4.3
90839	Psychotherapy for Crisis, first 60 minutes	0	0	0.0	0.0
90840	Psychotherapy for Crisis, additional 30 minutes	0	0	0.0	0.0
90846	Family Psychotherapy - Without Patient Present	8	17	17.0	2.1
90847	Family Psychotherapy - With Patient Present	6	30	30.0	5.0
90849	Multiple Family Group Psychotherapy	0	0	0.0	0.0

90853	Group Psychotherapy	0	0	0.0	0.0
90875	Biofeedback Training	0	0	0.0	0.0
90882	Environmental Intervention	0	0	0.0	0.0
90887	Interpretation of Psychiatric and Other Medial Examination	0	0	0.0	0.0
90899	Unlisted Psychiatric Service	3	10	10.0	3.3
99499	Psychiatric Consultation (Unlisted Evaluation and Management)	0	0	0.0	0.0
H0031	Administering and Reporting Standardized Measures	2	2	2.0	1.0
H0032	Individual Treatment Plan Development and Monitoring	4	13	44.0	11.0
H2012	Behavioral Health Day Treatment (General Day Treatment)	6	267	787.0	131.2
H2014	Skills Training	9	219	2,060.0	228.9
H2015	Crisis Assistance	0	0	0.0	0.0
H2019	Mental Health Behavioral Aide	1	6	89.0	89.0
T1013	Sign Language or Oral Interpreter Services	4	73	332.0	83.0
T1018	School-based IEP Services, Bundled	0	0	0.0	0.0
T1024	EIDBI Coordinated Care Conference	0	0	0.0	0.0
T1027	Family/Caregiver Training and Counseling	1	1	4.0	4.0

**Table 8b. Medica: Types of treatment provided to children with ASD by category of service (n=24)**

Service category	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
051	Physical Therapy	3	71	183	61.0
053	Speech Therapy	18	301	301	16.7
054	Occupational Therapy	17	329	952	56.0

**Table 9a. PrimeWest: Types of treatment provided to children with ASD by procedure code (n=81)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units submitted</b>	<b>Average units</b>
0359T	Comprehensive Multi-Disciplinary Evaluation (CMDE)	1	5	5.0	5.0
0362T	EIDBI Intervention Observation and Direction, first 30 minutes	0	0	0.0	0.0
0363T	EIDBI Intervention Observation and Direction, additional 30 minutes	0	0	0.0	0.0
0364T	EIDBI Intervention - Individual, first 30 minutes	0	0	0.0	0.0
0365T	EIDBI Intervention - Individual, additional 30 minutes	0	0	0.0	0.0
0366T	EIDBI Intervention - Group, first 30 minutes	0	0	0.0	0.0
0367T	EIDBI Intervention - Group, additional 30 minutes	0	0	0.0	0.0
0368T	EIDBI Intervention - Individual (Temp Increase Svcs), first 30 minutes	0	0	0.0	0.0
0369T	EIDBI Intervention - Individual (Temp Increase Svcs), additional 30 minutes	0	0	0.0	0.0
90832	Psychotherapy, 30 min	9	32	32.0	3.6
90833	Psychotherapy with E&M, 30 minutes	0	0	0.0	0.0
90834	Psychotherapy, 45 min	24	182	182.0	7.6
90836	Psychotherapy with E&M, 45 min	0	0	0.0	0.0
90837	Psychotherapy, 60 min	31	197	197.0	6.4
90839	Psychotherapy for Crisis, first 60 minutes	0	0	0.0	0.0
90840	Psychotherapy for Crisis, additional 30 minutes	0	0	0.0	0.0
90846	Family Psychotherapy - Without Patient Present	9	33	33.0	3.7
90847	Family Psychotherapy - With Patient Present	12	74	74.0	6.2

90849	Multiple Family Group Psychotherapy	1	1	1.0	1.0
90853	Group Psychotherapy	2	12	12.0	6.0
90875	Biofeedback Training	0	0	0.0	0.0
90882	Environmental Intervention	0	0	0.0	0.0
90887	Interpretation of Psychiatric and Other Medial Examination	10	10	12.0	1.2
90899	Unlisted Psychiatric Service	8	27	28.0	3.5
99499	Psychiatric Consultation (Unlisted Evaluation and Management)	0	0	0.0	0.0
H0031	Administering and Reporting Standardized Measures	6	12	17.0	2.8
H0032	Individual Treatment Plan Development and Monitoring	11	65	303.0	27.5
H2012	Behavioral Health Day Treatment (General Day Treatment)	2	117	350.0	175.0
H2014	Skills Training	16	485	4,196.0	262.3
H2015	Crisis Assistance	0	0	0.0	0.0
H2019	Mental Health Behavioral Aide	2	252	3,672.0	1,836.0
T1013	Sign Language or Oral Interpreter Services	1	1	1.0	1.0
T1018	School-based IEP Services, Bundled	0	0	0.0	0.0
T1024	EIDBI Coordinated Care Conference	0	0	0.0	0.0
T1027	Family/Caregiver Training and Counseling	0	0	0.0	0.0

**Table 9b. PrimeWest: Types of treatment provided to children with ASD by category of service (n=81)**

Service category	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
051	Physical Therapy	14	299	558	39.9
053	Speech Therapy	41	929	929	22.7

054	Occupational Therapy	63	1,255	3,154	50.1
-----	----------------------	----	-------	-------	------

**Table 10a. South Country Health Alliance: Types of treatment provided to children with ASD by procedure code (n=64)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
0359T	Comprehensive Multi-Disciplinary Evaluation (CMDE)	0	0	0.0	0.0
0362T	EIDBI Intervention Observation and Direction, first 30 minutes	0	0	0.0	0.0
0363T	EIDBI Intervention Observation and Direction, additional 30 minutes	0	0	0.0	0.0
0364T	EIDBI Intervention - Individual, first 30 minutes	0	0	0.0	0.0
0365T	EIDBI Intervention - Individual, additional 30 minutes	0	0	0.0	0.0
0366T	EIDBI Intervention - Group, first 30 minutes	0	0	0.0	0.0
0367T	EIDBI Intervention - Group, additional 30 minutes	0	0	0.0	0.0
0368T	EIDBI Intervention - Individual (Temp Increase Svcs), first 30 minutes	0	0	0.0	0.0
0369T	EIDBI Intervention - Individual (Temp Increase Svcs), additional 30 minutes	0	0	0.0	0.0
90832	Psychotherapy, 30 min	3	10	10.0	3.3
90833	Psychotherapy with E&M, 30 minutes	2	3	3.0	1.5
90834	Psychotherapy, 45 min	9	24	24.0	2.7
90836	Psychotherapy with E&M, 45 min	0	0	0.0	0.0
90837	Psychotherapy, 60 min	18	114	114.0	6.3
90839	Psychotherapy for Crisis, first 60 minutes	0	0	0.0	0.0
90840	Psychotherapy for Crisis, additional 30 minutes	0	0	0.0	0.0

90846	Family Psychotherapy - Without Patient Present	13	13	13.0	1.0
90847	Family Psychotherapy - With Patient Present	17	181	181.0	10.6
90849	Multiple Family Group Psychotherapy	0	0	0.0	0.0
90853	Group Psychotherapy	1	1	1.0	1.0
90875	Biofeedback Training	0	0	0.0	0.0
90882	Environmental Intervention	0	0	0.0	0.0
90887	Interpretation of Psychiatric and Other Medial Examination	2	2	2.0	1.0
90899	Unlisted Psychiatric Service	3	6	6.0	2.0
99499	Psychiatric Consultation (Unlisted Evaluation and Management)	0	0	0.0	0.0
H0031	Administering and Reporting Standardized Measures	10	23	26.0	2.6
H0032	Individual Treatment Plan Development and Monitoring	13	37	105.0	8.1
H2012	Behavioral Health Day Treatment (General Day Treatment)	2	152	456.0	228.0
H2014	Skills Training	18	800	4,836.0	268.7
H2015	Crisis Assistance	0	0	0.0	0.0
H2019	Mental Health Behavioral Aide	7	624	4,062.0	580.3
T1013	Sign Language or Oral Interpreter Services	5	37	123.0	24.6
T1018	School-based IEP Services, Bundled	0	0	0.0	0.0
T1024	EIDBI Coordinated Care Conference	0	0	0.0	0.0
T1027	Family/Caregiver Training and Counseling	0	0	0.0	0.0

**Table 10b. South Country Health Alliance: Types of treatment provided to children with ASD by category of service (n=64)**

Service category	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
------------------	-------------	---	-------------------	-----------------------	---------------

051	Physical Therapy	10	303	458	45.8
053	Speech Therapy	33	742	743	22.5
054	Occupational Therapy	34	758	1,590	46.8

**Table 11a. UCare: Types of treatments provided to children with ASD by procedure code (n=354)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units submitted</b>	<b>Average units</b>
0359T	Comprehensive Multi-Disciplinary Evaluation (CMDE)	9	15	15.0	1.7
0362T	EIDBI Intervention Observation and Direction, first 30 minutes	13	28	28.0	2.2
0363T	EIDBI Intervention Observation and Direction, additional 30 minutes	2	3	3.0	1.5
0364T	EIDBI Intervention - Individual, first 30 minutes	8	423	444.0	55.5
0365T	EIDBI Intervention - Individual, additional 30 minutes	8	408	2,119.0	264.9
0366T	EIDBI Intervention - Group, first 30 minutes	9	426	455.0	50.6
0367T	EIDBI Intervention - Group, additional 30 minutes	9	321	644.0	71.6
0368T	EIDBI Intervention - Individual (Temp Increase Svcs), first 30 minutes	5	55	55.0	11.0
0369T	EIDBI Intervention - Individual (Temp Increase Svcs), additional 30 minutes	5	55	141.0	28.2
90832	Psychotherapy, 30 min	15	39	39.0	2.6
90833	Psychotherapy with E&M, 30 minutes	5	10	10.0	2.0
90834	Psychotherapy, 45 min	28	166	166.0	5.9
90836	Psychotherapy with E&M, 45 min	0	0	0.0	0.0
90837	Psychotherapy, 60 min	45	310	310.0	6.9

90839	Psychotherapy for Crisis, first 60 minutes	0	0	0.0	0.0
90840	Psychotherapy for Crisis, additional 30 minutes	0	0	0.0	0.0
90846	Family Psychotherapy - Without Patient Present	140	523	523.0	3.7
90847	Family Psychotherapy - With Patient Present	111	389	389.0	3.5
90849	Multiple Family Group Psychotherapy	1	22	22.0	22.0
90853	Group Psychotherapy	3	20	20.0	6.7
90875	Biofeedback Training	0	0	0.0	0.0
90882	Environmental Intervention	0	0	0.0	0.0
90887	Interpretation of Psychiatric and Other Medical Examination	12	13	13.0	1.1
90899	Unlisted Psychiatric Service	21	39	39.0	1.9
99499	Psychiatric Consultation (Unlisted Evaluation and Management)	0	0	0.0	0.0
H0031	Administering and Reporting Standardized Measures	64	68	85.0	1.3
H0032	Individual Treatment Plan Development and Monitoring	35	135	463.0	13.2
H2012	Behavioral Health Day Treatment (General Day Treatment)	78	6,004	17,861.0	229.0
H2014	Skills Training	90	2,480	17,345.0	192.7
H2015	Crisis Assistance	2	4	23.0	11.5
H2019	Mental Health Behavioral Aide	9	673	7,370.0	818.9
T1013	Sign Language or Oral Interpreter Services	95	1,523	6,314.0	66.5
T1018	School-based IEP Services, Bundled	0	0	0.0	0.0
T1024	EIDBI Coordinated Care Conference	3	3	6.0	2.0
T1027	Family/Caregiver Training and Counseling	11	63	262.0	23.8

**Table 11b. UCare: Types of treatments provided to children with ASD by category of service (n=354)**

Service category	Description	Unique number of children receiving service	Count of services	Total units submitted	Average units
051	Physical Therapy	32	458	863	27.0
053	Speech Therapy	242	5,052	5,052	20.9
054	Occupational Therapy	222	4,850	13,471	60.7

## Notes

1) Data are limited to final version of Minnesota Health Care Programs-paid claims with service dates between Jan. 1, 2017, through Dec. 31, 2017, inclusive.

2) Analysis was limited to children enrolled in a managed-care organization. MCO assignment was selected based on the MCO in which the recipient had the most months of enrollment during the year. If a recipient was enrolled in fee-for-service for the most months during the year, then he or she was excluded from this analysis.

3) Only managed-care claims were included in analysis.

4) Age was calculated as of Dec. 31, 2017.

5) Analysis was limited to children aged 1 through 6.

6) Diagnostic assessments were identified using procedure codes 90791, 90792, 90785, 96101, 96102, 96103 and 90887.

7) Children with a diagnosis of autism spectrum disorder (ASD) were identified with claims having a diagnosis code of 299.0, 299.8, F84.0, F84.2, F84.3, F84.5, F84.8 or F84.9.

8) Treatments for children with a diagnosis of ASD were identified with claims having a procedure code beginning with 908 or equal to H0031, H2012, H2014, H2015, H2019, 99499 (CTSS and other mental health services); having a procedure code of T1013 or T1018 (IEP services); having a procedure code of 0359T, 0362T-0369T, T1024, T1027, H0032 (EIDBI services); or having category of service of 051 (Physical Therapy), 053 (Speech Therapy), or 054 (Occupational Therapy). The service count is the sum of all of the unique services for all of the children in each respective MCO. These counts were de-duplicated using standard DHS procedures.

9) All treatment claims were de-duplicated using standard operating procedures.

10) Analysis was designed in adherence to Minn. Stat. 256B.69, Subd. 32a. (see below).

### Minnesota Statutes 256B.69, Subd. 32a.

Initiatives to improve early screening, diagnosis, and treatment of children with autism spectrum disorder and other developmental conditions.

(a) The commissioner shall require managed care plans and county-based purchasing plans, as a condition of contract, to implement strategies that facilitate access for young children between the ages of one and three years to periodic developmental and social-emotional screenings, as recommended by the Minnesota Interagency Developmental Screening Task Force, and that those children who do not meet milestones are provided access to appropriate evaluation and assessment, including treatment recommendations, expected to improve the child's functioning, with the goal of meeting milestones by age five.

(b) The following information from encounter data provided to the commissioner shall be reported on the department's public Web site for each managed care plan and county-based purchasing plan annually by July 31 of each year beginning in 2014:

- (1) the number of children who received a diagnostic assessment;
- (2) the total number of children ages one to six with a diagnosis of autism spectrum disorder who received treatments;
- (3) the number of children identified under clause (2) reported by each 12-month age group beginning with age one and ending with age six; and
- (4) the types of treatments provided to children identified under clause (2) listed by billing code, including the number of units billed for each child.

Updated: 2017-08-09



# Children screened, diagnosed and treated for autism spectrum disorder

These data, published in compliance with [Minn. Stat. 256B.69, Subd. 32a](https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a) (<https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a>), show the number of children aged 1 to 6 who received a diagnostic assessment for autism spectrum disorder, the total number of children aged 1 to 6 with a diagnosis of autism spectrum disorder who received treatments and the types of treatments provided to children who were enrolled in a managed-care organization (MCO).

The statute also requires MCOs to report to DHS annually any barriers they encounter in the delivery of these services. Read the 2018 responses in the [Report on barriers, strategies and effectiveness of practices in the identification of children between the ages of 1-3 with symptoms of autism spectrum disorder \(PDF\)](https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;) (<https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;>).

## Data by calendar year

2017	2016	2015	2014	2013																											
<h3>Data from 2016 calendar year</h3> <p><b>Table 1. Number of children (1-6 years old) who received a diagnostic assessment</b></p> <table border="1"> <thead> <tr> <th>MCO</th> <th>Number of children (age 1-3)</th> <th>Number of children (age 4-6)</th> </tr> </thead> <tbody> <tr> <td>Blue Plus</td> <td>400</td> <td>1,890</td> </tr> <tr> <td>HealthPartners</td> <td>71</td> <td>401</td> </tr> <tr> <td>Itasca Medical Care</td> <td>18</td> <td>91</td> </tr> <tr> <td>Medica</td> <td>266</td> <td>1,373</td> </tr> <tr> <td>PrimeWest</td> <td>58</td> <td>275</td> </tr> <tr> <td>South Country Health Alliance</td> <td>62</td> <td>241</td> </tr> <tr> <td>UCare</td> <td>8</td> <td>62</td> </tr> <tr> <td><b>MCOs overall</b></td> <td><b>883</b></td> <td><b>4,333</b></td> </tr> </tbody> </table>					MCO	Number of children (age 1-3)	Number of children (age 4-6)	Blue Plus	400	1,890	HealthPartners	71	401	Itasca Medical Care	18	91	Medica	266	1,373	PrimeWest	58	275	South Country Health Alliance	62	241	UCare	8	62	<b>MCOs overall</b>	<b>883</b>	<b>4,333</b>
MCO	Number of children (age 1-3)	Number of children (age 4-6)																													
Blue Plus	400	1,890																													
HealthPartners	71	401																													
Itasca Medical Care	18	91																													
Medica	266	1,373																													
PrimeWest	58	275																													
South Country Health Alliance	62	241																													
UCare	8	62																													
<b>MCOs overall</b>	<b>883</b>	<b>4,333</b>																													

**Table 2. Number of children (1-6 years old) with a diagnosis of autism spectrum disorder (ASD) who received treatments**

<b>MCO</b>	<b>Number of children with ASD</b>	<b>Number of children with treatment(s)</b>
Blue Plus	545	405
HealthPartners	113	76
Itasca Medical Care	10	7
Medica	610	429
PrimeWest	81	58
South Country Health Alliance	57	40
UCare	13	7
<b>MCOs Overall</b>	<b>1,429</b>	<b>1,022</b>

**Table 3a. Number of children (1-3 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>1-year-olds with ASD</b>	<b>1-year-olds receiving treatment</b>	<b>2-year-olds with ASD</b>	<b>2-year-olds receiving treatment</b>	<b>3-year-olds with ASD</b>	<b>3-year-olds receiving treatment</b>
Blue Plus	5	3	58	49	91	69
HealthPartners	2	1	10	7	20	15
Itasca Medical Care	0	0	0	0	2	1
Medica	6	3	43	34	126	96
PrimeWest	0	0	7	6	15	12
South Country Health Alliance	0	0	5	4	11	8
UCare	0	0	0	0	4	2
<b>MHCP overall</b>	<b>13</b>	<b>7</b>	<b>123</b>	<b>100</b>	<b>269</b>	<b>203</b>

**Table 3b. Number of children (4-6 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>4-year-olds with ASD</b>	<b>4-year-olds receiving treatment</b>	<b>5-year-olds with ASD</b>	<b>5-year-olds receiving treatment</b>	<b>6-year-olds with ASD</b>	<b>6-year-olds receiving treatment</b>
Blue Plus	119	88	125	90	147	106
HealthPartners	27	21	26	15	28	17
Itasca Medical Care	0	0	2	2	6	4
Medica	125	90	161	114	149	92
PrimeWest	13	9	19	13	27	18
South Country Health Alliance	11	6	13	10	17	12
UCare	5	2	2	1	2	2
<b>MHCP overall</b>	<b>300</b>	<b>216</b>	<b>348</b>	<b>245</b>	<b>376</b>	<b>251</b>

**Table 4a. Blue Plus: Types of treatments provided to children with ASD by procedure code (n=545)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
90832	Psychotherapy, 30 min	19	68	68.0	3.6
90833	Psychotherapy with e&m, 30 minutes	7	14	14.0	2.0
90834	Psychotherapy, 45 min	64	290	290.0	4.5
90836	Psychotherapy with e&m, 45 min	2	2	2.0	1.0
90837	Psychotherapy, 60 min	88	485	485.0	5.5
90839	Psychotherapy for crisis, first 60 minutes	1	1	1.0	1.0
90840	Psychotherapy for crisis, additional 30 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	132	401	401.0	3.0
90847	Family Psychotherapy - with patient present	105	458	458.0	4.4
90849	Multiple Family Group Psychotherapy	3	8	8.0	2.7
90853	Group Psychotherapy	4	22	22.0	5.5

90875	Biofeedback Training	1	1	1.0	1.0
90882	Environmental intervention	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	3	3	3.0	1.0
90899	Unlisted Psychiatric Service	12	45	45.0	3.8
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	49	3,357	9,842.0	200.9
H2014	Skills Training	79	3,506	37,698.0	477.2
H2015	Crisis Assistance	1	2	4.0	4.0
H2019	Mental Health Behavioral Aide	11	508	4,545.0	413.2
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 4b. Blue Plus: Types of treatments provided to children with ASD by category of service (n=545)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	67	1,262	2,828	42.2
053	Speech Therapy	266	6,385	6,385	24.0
054	Occupational Therapy	253	6,260	15,261	60.3

**Table 5a. HealthPartners: Types of treatment provided to children with ASD by procedure code (n=113)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	1	5	5.0	5.0
90833	Psychotherapy with e&m, 30 minutes	2	8	8.0	4.0
90834	Psychotherapy, 45 min	5	29	29.0	5.8

90836	Psychotherapy with e&m, 45 min	0	0	0.0	N/A
90837	Psychotherapy, 60 min	8	14	14.0	1.8
90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90840	Psychotherapy for crisis, additional 30 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	32	136	136.0	4.3
90847	Family Psychotherapy - with patient present	23	80	80.0	3.5
90849	Multiple Family Group Psychotherapy	1	4	4.0	4.0
90853	Group Psychotherapy	0	0	0.0	N/A
90875	Biofeedback Training	0	0	0.0	N/A
90882	Environmental intervention	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	3	3	3.0	1.0
90899	Unlisted Psychiatric Service	1	2	2.0	2.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	19	1,603	4,770.0	251.1
H2014	Skills Training	6	703	6,361.0	1,060.2
H2015	Crisis Assistance	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide	1	10	63.0	63.0
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 5b. HealthPartners: Types of treatment provided to children with ASD by category of service (n=113)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	13	394	901	69.3

053	Speech Therapy	61	1,187	1,187	19.5
054	Occupational Therapy	56	1,137	2,837	50.7

**Table 6a. Itasca Medical Care: Types of treatment provided to children with ASD by procedure code (n=10)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	1	1	1.0	1.0
90833	Psychotherapy with e&m, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 min	1	1	1.0	1.0
90836	Psychotherapy with e&m, 45 min	0	0	0.0	N/A
90837	Psychotherapy, 60 min	1	1	1.0	1.0
90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90840	Psychotherapy for crisis, additional 30 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	0	0	0.0	N/A
90847	Family Psychotherapy - with patient present	0	0	0.0	N/A
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy	1	4	4.0	4.0
90875	Biofeedback Training	0	0	0.0	N/A
90882	Environmental intervention	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	1	1	1.0	1.0
90899	Unlisted Psychiatric Service	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0	0.0	N/A

H2014	Skills Training	6	370	4,721.0	786.8
H2015	Crisis Assistance	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide	3	197	1,928.0	642.7
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 6b. Itasca Medical Care: Types of treatment provided to children with ASD by category of service (n=10)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	1	19	19.0	19.0
053	Speech Therapy	0	0	0.0	N/A
054	Occupational Therapy	2	20	56.0	28.0

**Table 7a. Medica: Types of treatment provided to children with ASD by procedure code (n=610)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	19	32	32.0	1.7
90833	Psychotherapy with e&m, 30 minutes	6	24	24.0	4.0
90834	Psychotherapy, 45 min	50	292	292.0	5.8
90836	Psychotherapy with e&m, 45 min	0	0	0.0	N/A
90837	Psychotherapy, 60 min	60	413	413.0	6.9
90839	Psychotherapy for crisis, first 60 minutes	1	1	1.0	1.0
90840	Psychotherapy for crisis, additional 30 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	200	768	768.0	3.8
90847	Family Psychotherapy - with patient present	122	479	479.0	3.9

90849	Multiple Family Group Psychotherapy	3	23	23.0	7.7
90853	Group Psychotherapy	5	27	27.0	5.4
90875	Biofeedback Training	0	0	0.0	N/A
90882	Environmental intervention	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medial examination	7	7	7.0	1.0
90899	Unlisted Psychiatric Service	140	289	289.0	2.1
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	117	10,988	32,745.0	279.9
H2014	Skills Training	85	2,656	26,153.0	307.7
H2015	Crisis Assistance	1	2	7.0	7.0
H2019	Mental Health Behavioral Aide	7	230	2,002.0	286.0
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 7b. Medica: Types of treatment provided to children with ASD by category of service (n=610)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	46	803	1,968	42.8
053	Speech Therapy	309	8,843	8,843	28.6
054	Occupational Therapy	280	8,279	22,272	79.5

**Table 8a. PrimeWest: Types of treatment provided to children with ASD by procedure code (n=81)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	8	53	53.0	6.6

90833	Psychotherapy with e&m, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 min	19	156	156.0	8.2
90836	Psychotherapy with e&m, 45 min	0	0	0.0	N/A
90837	Psychotherapy, 60 min	26	152	152.0	5.8
90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	10	15	15.0	1.5
90847	Family Psychotherapy - with patient present	11	17	17.0	1.5
90849	Multiple Family Group Psychotherapy	4	20	20.0	5.0
90853	Group Psychotherapy	0	0	0.0	N/A
90875	Biofeedback Training	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	5	5	5.0	1.0
90899	Unlisted Psychiatric Service	14	69	72.0	5.1
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0	0.0	N/A
H2014	Skills Training	11	341	1,623.0	147.5
H2015	Crisis Assistance	1	1	1.0	1.0
H2019	Mental Health Behavioral Aide	1	20	238.0	238.0
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 8b. PrimeWest: Types of treatment provided to children with ASD by category of service (n=81)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	11	353	717	65.2

053	Speech Therapy	34	796	796	23.4
054	Occupational Therapy	38	1,026	2,606	68.6

**Table 9a. South Country Health Alliance: Types of treatment provided to children with ASD by procedure code (n=57)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	4	27	27.0	6.8
90833	Psychotherapy with e&m, 30 minutes	1	3	3.0	3.0
90834	Psychotherapy, 45 min	8	24	24.0	3.0
90836	Psychotherapy with e&m, 45 min	0	0	0.0	N/A
90837	Psychotherapy, 60 min	11	102	102.0	9.3
90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	5	7	7.0	1.4
90847	Family Psychotherapy - with patient present	11	21	21.0	1.9
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy	2	11	11.0	5.5
90875	Biofeedback Training	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	1	1	1.0	1.0
90899	Unlisted Psychiatric Service	2	3	3.0	1.5
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0	0.0	N/A
H2014	Skills Training	16	478	2,468.0	154.3
H2015	Crisis Assistance	0	0	0.0	N/A

H2019	Mental Health Behavioral Aide	2	42	304.0	152.0
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 9b. South Country Health Alliance: Types of treatment provided to children with ASD by category of service (n=57)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	4	132	206	51.5
053	Speech Therapy	21	552	552	26.3
054	Occupational Therapy	22	618	1,263	57.4

**Table 10a. UCare: Types of treatments provided to children with ASD by procedure code (n=13)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	0	0	0.0	N/A
90833	Psychotherapy with e&m, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 min	1	1	1.0	1.0
90836	Psychotherapy with e&m, 45 min	0	0	0.0	N/A
90837	Psychotherapy, 60 min	0	0	0.0	N/A
90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90840	Psychotherapy for crisis, additional 30 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	0	1	1.0	N/A
90847	Family Psychotherapy - with patient present	1	25	25.0	25.0
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy	0	0	0.0	N/A

90875	Biofeedback Training	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	0	0	0.0	N/A
90899	Unlisted Psychiatric Service	1	1	1.0	1.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0	0.0	N/A
H2014	Skills Training	3	154	1,712.0	570.7
H2015	Crisis Assistance	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide	1	17	86.0	86.0
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 10b. UCare: Types of treatments provided to children with ASD by category of service (n=13)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	0	0	0	N/A
053	Speech Therapy	3	5	5	1.7
054	Occupational Therapy	2	10	27	13.5

## Notes

1) Data are limited to final version of Minnesota Health Care Programs-paid claims with service dates between Jan. 1, 2016, through Dec. 31, 2016, inclusive.

2) Analysis was limited to children enrolled in a managed-care organization. MCO assignment was selected based on the MCO in which the recipient had the most months of enrollment during the year. If a recipient was enrolled in fee-for-service for the most months during the year, then he or she was excluded from this analysis.

3) Only managed-care claims were included in analysis.

4) Age was calculated as of Dec. 31, 2016.

5) Analysis was limited to children aged 1 through 6.

- 6) Diagnostic assessments were identified using procedure codes 90791, 90702 and 90785.
- 7) Children with a diagnosis of autism spectrum disorder (ASD) were identified with claims having a diagnosis code of 299.0, 299.8, F84.0, F84.2, F84.3, F84.5, F84.8 or F84.9.
- 8) Treatments for children with a diagnosis of ASD were identified with claims having a procedure code beginning with 908; having a procedure code of H2014, H2015, H2019, H2012, 99499; or claims with category of service of 051 (Physical Therapy), 053 (Speech Therapy) and 054 (Occupational Therapy). The service count is a sum of all the unique services for all the children in each respective MCO. These counts were de-duplicated using standard DHS procedures.
- 9) All treatment claims were de-duplicated using standard operating procedures.
- 10) Analysis was designed in adherence to Minn. Stat. 256B.69, Subd. 32a. (see below).

### Minnesota Statutes 256B.69, Subd. 32a.

Initiatives to improve early screening, diagnosis, and treatment of children with autism spectrum disorder and other developmental conditions.

- (a) The commissioner shall require managed care plans and county-based purchasing plans, as a condition of contract, to implement strategies that facilitate access for young children between the ages of one and three years to periodic developmental and social-emotional screenings, as recommended by the Minnesota Interagency Developmental Screening Task Force, and that those children who do not meet milestones are provided access to appropriate evaluation and assessment, including treatment recommendations, expected to improve the child's functioning, with the goal of meeting milestones by age five.
- (b) The following information from encounter data provided to the commissioner shall be reported on the department's public Web site for each managed care plan and county-based purchasing plan annually by July 31 of each year beginning in 2014:
  - (1) the number of children who received a diagnostic assessment;
  - (2) the total number of children ages one to six with a diagnosis of autism spectrum disorder who received treatments;
  - (3) the number of children identified under clause (2) reported by each 12-month age group beginning with age one and ending with age six; and
  - (4) the types of treatments provided to children identified under clause (2) listed by billing code, including the number of units billed for each child.

Updated: 2017-08-09



# Children screened, diagnosed and treated for autism spectrum disorder

These data, published in compliance with [Minn. Stat. 256B.69, Subd. 32a](https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a) (<https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a>), show the number of children aged 1 to 6 who received a diagnostic assessment for autism spectrum disorder, the total number of children aged 1 to 6 with a diagnosis of autism spectrum disorder who received treatments and the types of treatments provided to children who were enrolled in a managed-care organization (MCO).

The statute also requires MCOs to report to DHS annually any barriers they encounter in the delivery of these services. Read the 2018 responses in the [Report on barriers, strategies and effectiveness of practices in the identification of children between the ages of 1-3 with symptoms of autism spectrum disorder \(PDF\)](https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;) (<https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;>).

## Data by calendar year

2017	2016	2015	2014	2013																											
<h3>Data from 2015 calendar year</h3> <p><b>Table 1. Number of children (1-6 years old) who received a diagnostic assessment</b></p> <table border="1"> <thead> <tr> <th>MCO</th> <th>Number of children, age 1 to 3</th> <th>Number of children, age 4 to 6</th> </tr> </thead> <tbody> <tr> <td>Blue Plus</td> <td>122</td> <td>540</td> </tr> <tr> <td>HealthPartners</td> <td>107</td> <td>443</td> </tr> <tr> <td>Itasca Medical Care</td> <td>18</td> <td>98</td> </tr> <tr> <td>Medica</td> <td>150</td> <td>856</td> </tr> <tr> <td>PrimeWest</td> <td>69</td> <td>227</td> </tr> <tr> <td>South Country Health Alliance</td> <td>48</td> <td>236</td> </tr> <tr> <td>UCare</td> <td>386</td> <td>1,802</td> </tr> <tr> <td><b>MCOs Overall</b></td> <td><b>900</b></td> <td><b>4,202</b></td> </tr> </tbody> </table>					MCO	Number of children, age 1 to 3	Number of children, age 4 to 6	Blue Plus	122	540	HealthPartners	107	443	Itasca Medical Care	18	98	Medica	150	856	PrimeWest	69	227	South Country Health Alliance	48	236	UCare	386	1,802	<b>MCOs Overall</b>	<b>900</b>	<b>4,202</b>
MCO	Number of children, age 1 to 3	Number of children, age 4 to 6																													
Blue Plus	122	540																													
HealthPartners	107	443																													
Itasca Medical Care	18	98																													
Medica	150	856																													
PrimeWest	69	227																													
South Country Health Alliance	48	236																													
UCare	386	1,802																													
<b>MCOs Overall</b>	<b>900</b>	<b>4,202</b>																													

**Table 2. Number of children (1-6 years old) with a diagnosis of autism spectrum disorder (ASD) who received treatments, by MCO**

<b>MCO</b>	<b>Number of children with ASD</b>	<b>Number of children with treatment(s)</b>
Blue Plus	125	96
HealthPartners	122	91
Itasca Medical Care	21	17
Medica	283	215
PrimeWest	56	41
South Country Health Alliance	34	26
UCare	539	365
<b>MCOs Overall</b>	<b>1,180</b>	<b>851</b>

**Table 3a. Number of children (1-3 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>1-year-olds with ASD</b>	<b>1-year-olds receiving treatment</b>	<b>2-year-olds with ASD</b>	<b>2-year-olds receiving treatment</b>	<b>3-year-olds with ASD</b>	<b>3-year-olds receiving treatment</b>
Blue Plus	1	1	5	3	29	21
HealthPartners	0	0	9	7	23	18
Itasca Medical Care	0	0	0	0	1	1
Medica	2	1	20	17	52	40
PrimeWest	0	0	7	5	6	5
South Country Health Alliance	0	0	2	1	5	2
UCare	6	4	36	25	83	65
<b>MHCP overall</b>	<b>9</b>	<b>6</b>	<b>79</b>	<b>58</b>	<b>199</b>	<b>152</b>

**Table 3b. Number of children (4-6 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>4-year-olds with ASD</b>	<b>4-year-olds receiving treatment</b>	<b>5-year-olds with ASD</b>	<b>5-year-olds receiving treatment</b>	<b>6-year-olds with ASD</b>	<b>6-year-olds receiving treatment</b>
Blue Plus	22	17	33	25	35	29
HealthPartners	27	21	36	24	27	21
Itasca Medical Care	3	2	5	3	12	11
Medica	68	50	70	57	71	50
PrimeWest	15	15	12	7	16	9
South Country Health Alliance	7	6	7	6	13	11
UCare	134	95	144	94	136	82
<b>MHCP overall</b>	<b>276</b>	<b>206</b>	<b>307</b>	<b>216</b>	<b>310</b>	<b>213</b>

**Table 4a. Blue Plus: Types of treatments provided to children with ASD by procedure code (n=125)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
90832	Psychotherapy, 30 min	4	17	17.0	4.3
90833	Psychotherapy with e&m, 30 minutes	2	13	13.0	6.5
90834	Psychotherapy, 45 min	15	71	71.0	4.7
90837	Psychotherapy, 60 min	25	168	168.0	6.7
90839	Psychotherapy for crisis, first 60 minutes	1	1	1.0	1.0
90840	Psychotherapy for crisis, additional 30 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	23	66	66.0	2.9
90847	Family Psychotherapy - with patient present	30	57	57.0	1.9
90849	Multiple Family Group Psychotherapy	5	28	28.0	5.6
90853	Group Psychotherapy	0	0	0.0	N/A
90875	Biofeedback Training	0	0	0.0	N/A

90882	Environmental intervention	1	1	1.0	1.0
90887	Interpretation of psychiatric and other medical examination	0	0	0.0	N/A
90899	Unlisted Psychiatric Service	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	10	687	2,037.0	203.7
H2014	Skills Training	28	927	8,490.0	303.2
H2015	Crisis Assistance	1	1	2.0	2.0
H2019	Mental Health Behavioral Aide	0	0	0.0	N/A
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 4b. Blue Plus: Types of treatments provided to children with ASD by category of service (n=125)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical therapy	28	344	814	29.1
053	Speech therapy	47	1,230	1,230	26.2
054	Occupational therapy	46	905	2,192	47.7

**Table 5a. HealthPartners: Types of treatment provided to children with ASD by procedure code (n=122)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	3	13	13.0	4.3
90833	Psychotherapy with e&m, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 min	5	33	33.0	6.6
90837	Psychotherapy, 60 min	6	23	23.0	3.8

90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90840	Psychotherapy for crisis, additional 30 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	47	175	175.0	3.7
90847	Family Psychotherapy - with patient present	37	162	162.0	4.4
90849	Multiple Family Group Psychotherapy	1	11	11.0	11.0
90853	Group Psychotherapy	0	0	0.0	N/A
90875	Biofeedback Training	0	0	0.0	N/A
90882	Environmental intervention	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	2	2	2.0	1.0
90899	Unlisted Psychiatric Service	1	1	1.0	1.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	24	2,634	7,854.0	327.3
H2014	Skills Training	13	446	4,966.0	382.0
H2015	Crisis Assistance	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide	0	0	0.0	N/A
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 5b. HealthPartners: Types of treatment provided to children with ASD by category of service (n=122)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	12	217	620	51.7
053	Speech Therapy	72	1,839	1,839	25.5
054	Occupational Therapy	67	1,906	4,569	68.2

**Table 6a. Itasca Medical Care: Types of treatment provided to children with ASD by procedure code (n=21)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
90832	Psychotherapy, 30 min	2	2	2.0	N/A
90833	Psychotherapy with e&m, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 min	4	7	7.0	N/A
90837	Psychotherapy, 60 min	4	36	36.0	9.0
90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90840	Psychotherapy for crisis, additional 30 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	2	2	2.0	N/A
90847	Family Psychotherapy - with patient present	2	5	5.0	N/A
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy	0	0	0.0	N/A
90875	Biofeedback Training	0	0	0.0	N/A
90882	Environmental intervention	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	1	1	1.0	N/A
90899	Unlisted Psychiatric Service	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0	0.0	N/A
H2014	Skills Training	13	1,028	11,150.0	857.7
H2015	Crisis Assistance	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide	4	310	3,159.0	N/A

T1018	School-based individualized education program services, bundled	0	0	0.0	N/A
-------	---	---	---	-----	-----

**Table 6b. Itasca Medical Care: Types of treatment provided to children with ASD by category of service (n=21)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	2	28	31.0	N/A
053	Speech Therapy	3	23	23.0	7.7
054	Occupational Therapy	5	62	170.0	34.0

**Table 7a. Medica: Types of treatment provided to children with ASD by procedure code (n=283)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	12	19	19.0	1.6
90833	Psychotherapy with e&m, 30 minutes	2	11	11.0	5.5
90834	Psychotherapy, 45 min	37	213	213.0	5.8
90837	Psychotherapy, 60 min	35	200	200.0	5.7
90839	Psychotherapy for crisis, first 60 minutes	1	1	1.0	1.0
90840	Psychotherapy for crisis, additional 30 minutes	1	1	1.0	1.0
90846	Family Psychotherapy - without patient present	93	342	342.0	3.7
90847	Family Psychotherapy - with patient present	70	311	311.0	4.4
90849	Multiple Family Group Psychotherapy	4	20	20.0	5.0
90853	Group Psychotherapy	0	0	0.0	N/A
90875	Biofeedback Training	0	0	0.0	N/A
90882	Environmental intervention	0	0	0.0	N/A

90887	Interpretation of psychiatric and other medical examination	9	9	9.0	1.0
90899	Unlisted Psychiatric Service	54	163	163.0	3.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	53	4,487	13,382.0	252.5
H2014	Skills Training	53	1,146	10,806.0	203.9
H2015	Crisis Assistance	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide	6	179	1,626.0	271.0
T1018	School-based individualized education program services, bundled	0	0	0.0	N/A

**Table 7b. Medica: Types of treatment provided to children with ASD by category of service (n=283)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	37	1,007	2,211.0	59.8
053	Speech Therapy	147	4,206	4,207.0	28.6
054	Occupational Therapy	138	3,658	8,985.0	65.1

**Table 8a. PrimeWest: Types of treatment provided to children with ASD by procedure code (n=56)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 min	6	15	15.0	2.5
90833	Psychotherapy with e&m, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 min	9	59	59.0	6.6
90837	Psychotherapy, 60 min	9	34	34.0	3.8

90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	7	11	11.0	1.6
90847	Family Psychotherapy - with patient present	6	20	20.0	3.3
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy	0	0	0.0	N/A
90875	Biofeedback Training	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	5	6	6.0	1.2
90899	Unlisted Psychiatric Service	2	3	3.0	1.5
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0	0.0	N/A
H2014	Skills Training	7	254	2,476.0	353.7
H2015	Crisis Assistance	1	2	5.0	5.0
H2019	Mental Health Behavioral Aide	0	0	0.0	N/A

**Table 8b. PrimeWest: Types of treatment provided to children with ASD by category of service (n=56)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	9	226	490.0	54.4
053	Speech Therapy	29	614	614.0	21.2
054	Occupational Therapy	33	794	1,833.0	55.5

**Table 9a. South Country Health Alliance: Types of treatment provided to children with ASD by procedure code (n=34)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
90832	Psychotherapy, 30 min	3	7	7.0	2.3
90833	Psychotherapy with e&m, 30 minutes	1	1	1.0	1.0
90834	Psychotherapy, 45 min	9	16	16.0	1.8
90837	Psychotherapy, 60 min	10	68	68.0	6.8
90839	Psychotherapy for crisis, first 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	3	6	6.0	2.0
90847	Family Psychotherapy - with patient present	8	16	16.0	2.0
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy	0	0	0.0	N/A
90875	Biofeedback Training	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	1	1	1.0	N/A
90899	Unlisted Psychiatric Service	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0	0.0	N/A
H2014	Skills Training	15	478	3,218.0	214.5
H2015	Crisis Assistance	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide	6	137	1,064.0	177.3

**Table 9b. South Country Health Alliance: Types of treatment provided to children with ASD by category of service (n=34)**

<b>Category of service</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
051	Physical Therapy	3	40	59.0	19.7

053	Speech Therapy	12	166	166.0	13.8
054	Occupational Therapy	13	391	678.0	52.2

**Table 10a. UCare: Types of treatments provided to children with ASD by procedure code (n=539)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
90832	Psychotherapy, 30 min	19	174	174.0	9.2
90833	Psychotherapy with e&m, 30 minutes	6	15	15.0	2.5
90834	Psychotherapy, 45 min	40	155	155.0	3.9
90837	Psychotherapy, 60 min	55	419	419.0	7.6
90839	Psychotherapy for crisis, first 60 minutes	1	1	1.0	1.0
90840	Psychotherapy for crisis, additional 30 minutes	1	1	1.0	1.0
90846	Family Psychotherapy - without patient present	142	370	370.0	2.6
90847	Family Psychotherapy - with patient present	117	460	460.0	3.9
90849	Multiple Family Group Psychotherapy	6	22	22.0	3.7
90853	Group Psychotherapy	5	22	22.0	4.4
90875	Biofeedback Training	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	23	29	29.0	1.3
90899	Unlisted Psychiatric Service	3	5	5.0	1.7
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment)	54	3,564	10,633.0	196.9
H2014	Skills Training	103	4,646	47,495.0	461.1
H2015	Crisis Assistance	4	5	26.0	6.5
H2019	Mental Health Behavioral Aide	14	825	8,654.0	618.1

T1018	School-based individualized education program services, bundled	1	1	32.0	32.0
-------	---	---	---	------	------

**Table 10b. UCare: Types of treatments provided to children with ASD by category of service (n=539)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	54	903	1,496.0	27.7
053	Speech Therapy	240	5,426	5,426.0	22.6
054	Occupational Therapy	224	5,671	14,167.0	63.2

## Notes

1) Data are limited to final version of Minnesota Health Care Programs-paid claims with service dates between Jan. 1, 2015, through Dec. 31, 2015, inclusive.

2) Analysis was limited to children enrolled in a managed-care organization. MCO assignment was selected based on the MCO in which the recipient had the most months of enrollment during the year. If a recipient was enrolled in fee-for-service for the most months during the year, then he or she was excluded from this analysis.

3) Only managed-care claims were included in analysis.

4) Age was calculated as of Dec. 31, 2015.

5) Analysis was limited to children aged 1 through 6.

6) Diagnostic assessments were identified using procedure codes 90791, 90702 and 90785.

7) Children with a diagnosis of autism spectrum disorder (ASD) were identified with claims having a diagnosis code of 299.0 (Autistic disorder) and 299.8 (Other specified pervasive developmental disorders).

8) Treatments for children with a diagnosis of ASD were identified with claims having a procedure code beginning with 908; having a procedure code of H2014, H2015, H2019, H2012, 99499; or claims with category of service of 051 (Physical Therapy), 053 (Speech Therapy), and 054 (Occupational Therapy). The service count is a sum of all the unique services for all the children in each respective MCO. These counts were de-duplicated using standard DHS procedures.

9) All treatment claims were de-duplicated using standard operating procedures.

10) Analysis was designed in adherence to Minn. Stat. 256B.69, Subd. 32a. (see below).

**Minnesota Statutes 256B.69, Subd. 32a.**

Initiatives to improve early screening, diagnosis, and treatment of children with autism spectrum disorder and other developmental conditions.

(a) The commissioner shall require managed care plans and county-based purchasing plans, as a condition of contract, to implement strategies that facilitate access for young children between the ages of one and three years to periodic developmental and social-emotional screenings, as recommended by the Minnesota Interagency Developmental Screening Task Force, and that those children who do not meet milestones are provided access to appropriate evaluation and assessment, including treatment recommendations, expected to improve the child's functioning, with the goal of meeting milestones by age five.

(b) The following information from encounter data provided to the commissioner shall be reported on the department's public Web site for each managed care plan and county-based purchasing plan annually by July 31 of each year beginning in 2014:

- (1) the number of children who received a diagnostic assessment;
- (2) the total number of children ages one to six with a diagnosis of autism spectrum disorder who received treatments;
- (3) the number of children identified under clause (2) reported by each 12-month age group beginning with age one and ending with age six; and
- (4) the types of treatments provided to children identified under clause (2) listed by billing code, including the number of units billed for each child.

Updated: 2017-08-09



# Children screened, diagnosed and treated for autism spectrum disorder

These data, published in compliance with [Minn. Stat. 256B.69, Subd. 32a](https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a) (<https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a>), show the number of children aged 1 to 6 who received a diagnostic assessment for autism spectrum disorder, the total number of children aged 1 to 6 with a diagnosis of autism spectrum disorder who received treatments and the types of treatments provided to children who were enrolled in a managed-care organization (MCO).

The statute also requires MCOs to report to DHS annually any barriers they encounter in the delivery of these services. Read the 2018 responses in the [Report on barriers, strategies and effectiveness of practices in the identification of children between the ages of 1-3 with symptoms of autism spectrum disorder \(PDF\)](https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;) (<https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;>).

## Data by calendar year

2017	2016	2015	2014	2013																											
<h3>Data from 2014 calendar year</h3> <p><b>Table 1. Number of children (1-6 years old) who received a diagnostic assessment</b></p> <table border="1"> <thead> <tr> <th>MCO</th> <th>Number of children (Age 1 - 3)</th> <th>Number of children (Age 4 - 6)</th> </tr> </thead> <tbody> <tr> <td>Blue Plus</td> <td>125</td> <td>545</td> </tr> <tr> <td>HealthPartners</td> <td>112</td> <td>583</td> </tr> <tr> <td>Itasca Medical Care</td> <td>14</td> <td>86</td> </tr> <tr> <td>Medica</td> <td>149</td> <td>837</td> </tr> <tr> <td>PrimeWest</td> <td>66</td> <td>242</td> </tr> <tr> <td>South Country Health Alliance</td> <td>47</td> <td>238</td> </tr> <tr> <td>UCare</td> <td>396</td> <td>1,634</td> </tr> <tr> <td><b>MCOs overall</b></td> <td><b>909</b></td> <td><b>4,165</b></td> </tr> </tbody> </table>					MCO	Number of children (Age 1 - 3)	Number of children (Age 4 - 6)	Blue Plus	125	545	HealthPartners	112	583	Itasca Medical Care	14	86	Medica	149	837	PrimeWest	66	242	South Country Health Alliance	47	238	UCare	396	1,634	<b>MCOs overall</b>	<b>909</b>	<b>4,165</b>
MCO	Number of children (Age 1 - 3)	Number of children (Age 4 - 6)																													
Blue Plus	125	545																													
HealthPartners	112	583																													
Itasca Medical Care	14	86																													
Medica	149	837																													
PrimeWest	66	242																													
South Country Health Alliance	47	238																													
UCare	396	1,634																													
<b>MCOs overall</b>	<b>909</b>	<b>4,165</b>																													

**Table 2. Number of children (1-6 years old) with a diagnosis of autism spectrum disorder (ASD) who received treatments**

<b>MCO</b>	<b>Number of children with ASD</b>	<b>Number of children with treatments</b>
Blue Plus	111	101
HealthPartners	122	113
Itasca Medical Care	10	10
Medica	181	161
PrimeWest	43	41
South Country Health Alliance	35	32
UCare	394	352
<b>MCOs overall</b>	<b>896</b>	<b>810</b>

**Table 3a. Number of children (1-3 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>1-year-olds with ASD</b>	<b>1-year-olds receiving treatment</b>	<b>2-year-olds with ASD</b>	<b>2-year-olds receiving treatment</b>	<b>3-year-olds with ASD</b>	<b>3-year-olds receiving treatment</b>
Blue Plus	0	0	6	5	22	19
HealthPartners	0	0	11	9	22	22
Itasca Medical Care	0	0	1	1	3	3
Medica	3	2	16	13	46	44
PrimeWest	0	0	3	2	7	7
South Country Health Alliance	1	1	4	3	4	4
UCare	5	4	30	28	78	64
<b>MHCP overall</b>	<b>9</b>	<b>7</b>	<b>71</b>	<b>61</b>	<b>182</b>	<b>163</b>

**Table 3b. Number of children (4-6 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>4-year-olds with ASD</b>	<b>4-year-olds receiving treatment</b>	<b>5-year-olds with ASD</b>	<b>5-year-olds receiving treatment</b>	<b>6-year-olds with ASD</b>	<b>6-year-olds receiving treatment</b>
Blue Plus	21	20	31	29	31	28
HealthPartners	27	24	30	29	32	29
Itasca Medical Care	1	1	3	3	2	2
Medica	42	36	38	34	36	32
PrimeWest	10	9	11	11	12	12
South Country Health Alliance	7	5	12	12	7	7
UCare	87	76	92	84	102	96
<b>MHCP overall</b>	<b>195</b>	<b>171</b>	<b>217</b>	<b>202</b>	<b>222</b>	<b>206</b>

**Table 4a. Blue Plus: Types of treatments provided to children with ASD by procedure code (n=111)**

<b>Procedure code</b>	<b>Description</b>	<b>Count</b>	<b>Total units paid</b>
90832	Psychotherapy, 30 min	104	104.0
90833	Psychotherapy with e&m, 30 minutes	7	7.0
90834	Psychotherapy, 45 min	82	82.0
90837	Psychotherapy, 60 min	131	131.0
90839	Psychotherapy for crisis, first 60 minutes	2	2.0
90846	Family Psychotherapy - without patient present	81	81.0
90847	Family Psychotherapy - with patient present	112	112.0
90849	Multiple Family Group Psychotherapy	8	8.0
90853	Group Psychotherapy	5	5.0
90875	Biofeedback Training	0	0.0
90887	Interpretation of psychiatric and other medical examination	2	2.0
90899	Unlisted Psychiatric Service	0	0.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0.0
H2012	Behavioral Health Day Treatment (General Day Treatment)	466	1,385.0

H2014	Skills Training	857	5,809.0
H2015	Crisis Assistance	0	0.0
H2019	Mental Health Behavioral Aide	104	920.0
T1018	School-based individualized education (IEP) services	4,284	4,462.0

**Table 4b. Blue Plus: Types of treatments provided to children with ASD by category of service (n=111)**

Category of Service	Description	Count	Total units paid
051	Physical Therapy	493	1,075.0
053	Speech Therapy	1,262	1,262.0
054	Occupational Therapy	1,165	2,823.0

**Table 5a. HealthPartners: Types of treatment provided to children with ASD by procedure code (n=122)**

Procedure code	Description	Count	Total units paid
90832	Psychotherapy, 30 min	24	24.0
90833	Psychotherapy with e&m, 30 minutes	0	0.0
90834	Psychotherapy, 45 min	94	94.0
90837	Psychotherapy, 60 min	118	118.0
90839	Psychotherapy for crisis, first 60 minutes	0	0.0
90846	Family Psychotherapy - without patient present	136	136.0
90847	Family Psychotherapy - with patient present	140	140.0
90849	Multiple Family Group Psychotherapy	7	7.0
90853	Group Psychotherapy	0	0.0
90875	Biofeedback Training	0	0.0
90887	Interpretation of psychiatric and other medical examination	6	6.0
90899	Unlisted Psychiatric Service	5	5.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0.0
H2012	Behavioral Health Day Treatment (General Day Treatment)	2,308	6,874.0
H2014	Skills Training	479	3,722.0

H2015	Crisis Assistance	0	0.0
H2019	Mental Health Behavioral Aide	60	686.0
T1018	School-based individualized education (IEP) services	3,096	3,321.0

**Table 5b. HealthPartners: Types of treatment provided to children with ASD by category of service (n=122)**

Category of Service	Description	Count	Total units paid
051	Physical Therapy	844	1,599.0
053	Speech Therapy	2,043	2,043.0
054	Occupational Therapy	2,292	5,248.0

**Table 6a. Itasca Medical Care: Types of treatment provided to children with ASD by procedure code (n=10)**

Procedure code	Description	Count	Total units paid
90832	Psychotherapy, 30 min	0	0.0
90833	Psychotherapy with e&m, 30 minutes	0	0.0
90834	Psychotherapy, 45 min	0	0.0
90837	Psychotherapy, 60 min	2	2.0
90839	Psychotherapy for crisis, first 60 minutes	0	0.0
90846	Family Psychotherapy - without patient present	0	0.0
90847	Family Psychotherapy - with patient present	0	0.0
90849	Multiple Family Group Psychotherapy	0	0.0
90853	Group Psychotherapy	0	0.0
90875	Biofeedback Training	0	0.0
90887	Interpretation of psychiatric and other medical examination	0	0.0
90899	Unlisted Psychiatric Service	0	0.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0.0
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0.0
H2014	Skills Training	410	4,016.0
H2015	Crisis Assistance	0	0.0

H2019	Mental Health Behavioral Aide	0	0.0
T1018	School-based individualized education (IEP) services	261	274.0

**Table 6b. Itasca Medical Care: Types of treatment provided to children with ASD by category of service (n=10)**

Category of Service	Description	Count	Total units paid
051	Physical Therapy	0	0.0
053	Speech Therapy	22	22.0
054	Occupational Therapy	28	75.0

**Table 7a. Medica: Types of treatment provided to children with ASD by procedure code (n=181)**

Procedure code	Description	Count	Total units paid
90832	Psychotherapy, 30 min	23	23.0
90833	Psychotherapy with e&m, 30 minutes	4	4.0
90834	Psychotherapy, 45 min	141	141.0
90837	Psychotherapy, 60 min	70	70.0
90839	Psychotherapy for crisis, first 60 minutes	0	0.0
90846	Family Psychotherapy - without patient present	176	176.0
90847	Family Psychotherapy - with patient present	204	204.0
90849	Multiple Family Group Psychotherapy	30	30.0
90853	Group Psychotherapy	16	16.0
90875	Biofeedback Training	4	4.0
90887	Interpretation of psychiatric and other medical examination	9	9.0
90899	Unlisted Psychiatric Service	90	90.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0.0
H2012	Behavioral Health Day Treatment (General Day Treatment)	3,174	8,122.0
H2014	Skills Training	570	3,973.0
H2015	Crisis Assistance	0	0.0
H2019	Mental Health Behavioral Aide	9	57.0

T1018	School-based individualized education (IEP) services	4,624	4,677.0
-------	--	-------	---------

**Table 7b. Medica: Types of treatment provided to children with ASD by category of service (n=181)**

Category of Service	Description	Count	Total units paid
051	Physical Therapy	647	1,427.0
053	Speech Therapy	2,463	2,463.0
054	Occupational Therapy	2,205	5,688.0

**Table 8a. PrimeWest: Types of treatment provided to children with ASD by procedure code (n=43)**

Procedure code	Description	Count	Total units paid
90832	Psychotherapy, 30 min	16	16.0
90833	Psychotherapy with e&m, 30 minutes	0	0.0
90834	Psychotherapy, 45 min	27	27.0
90837	Psychotherapy, 60 min	64	64.0
90839	Psychotherapy for crisis, first 60 minutes	0	0.0
90846	Family Psychotherapy - without patient present	9	9.0
90847	Family Psychotherapy - with patient present	46	46.0
90849	Multiple Family Group Psychotherapy	0	0.0
90853	Group Psychotherapy	0	0.0
90875	Biofeedback Training	0	0.0
90887	Interpretation of psychiatric and other medical examination	5	5.0
90899	Unlisted Psychiatric Service	0	0.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	2	2.0
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0.0
H2014	Skills Training	311	3,409.0
H2015	Crisis Assistance	0	0.0
H2019	Mental Health Behavioral Aide	0	0.0
T1018	School-based individualized education (IEP) services	1,559	1,729.0

**Table 8b. PrimeWest: Types of treatment provided to children with ASD by category of service (n=43)**

Category of Service	Description	Count	Total units paid
051	Physical Therapy	242	469.0
053	Speech Therapy	418	418.0
054	Occupational Therapy	556	1,075.0

**Table 9a. South Country Health Alliance: Types of treatment provided to children with ASD by procedure code (n=35)**

Procedure code	Description	Count	Total units paid
90832	Psychotherapy, 30 min	4	4.0
90833	Psychotherapy with e&m, 30 minutes	11	11.0
90834	Psychotherapy, 45 min	19	19.0
90837	Psychotherapy, 60 min	54	54.0
90839	Psychotherapy for crisis, first 60 minutes	0	0.0
90846	Family Psychotherapy - without patient present	9	9.0
90847	Family Psychotherapy - with patient present	57	57.0
90849	Multiple Family Group Psychotherapy	0	0.0
90853	Group Psychotherapy	0	0.0
90875	Biofeedback Training	0	0.0
90887	Interpretation of psychiatric and other medical examination	1	1.0
90899	Unlisted Psychiatric Service	0	0.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0.0
H2012	Behavioral Health Day Treatment (General Day Treatment)	0	0.0
H2014	Skills Training	388	2,461.0
H2015	Crisis Assistance	0	0.0
H2019	Mental Health Behavioral Aide	106	593.0
T1018	School-based individualized education (IEP) services	1,741	2,520.0

**Table 9b. South Country Health Alliance: Types of treatment provided to children with ASD by category of service (n=35)**

Category of Service	Description	Count	Total units paid
051	Physical Therapy	50	51.0
053	Speech Therapy	236	236.0
054	Occupational Therapy	276	465.0

**Table 10a. UCare: Types of treatments provided to children with ASD by procedure code (n=394)**

Procedure code	Description	Count	Total units paid
90832	Psychotherapy, 30 min	50	50.0
90833	Psychotherapy with e&m, 30 minutes	8	8.0
90834	Psychotherapy, 45 min	206	206.0
90837	Psychotherapy, 60 min	342	342.0
90839	Psychotherapy for crisis, first 60 minutes	0	0.0
90846	Family Psychotherapy - without patient present	287	287.0
90847	Family Psychotherapy - with patient present	434	434.0
90849	Multiple Family Group Psychotherapy	41	41.0
90853	Group Psychotherapy	16	16.0
90875	Biofeedback Training	0	0.0
90887	Interpretation of psychiatric and other medical examination	17	17.0
90899	Unlisted Psychiatric Service	0	0.0
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0.0
H2012	Behavioral Health Day Treatment (General Day Treatment)	2,899	8,484.0
H2014	Skills Training	3,878	31,543.0
H2015	Crisis Assistance	1	1.0
H2019	Mental Health Behavioral Aide	329	3,648.0
T1018	School-based individualized education (IEP) services	14,263	15,347.0

**Table 10b. UCare: Types of treatments provided to children with ASD by category of service (n=394)**

Category of Service	Description	Count	Total units paid
051	Physical Therapy	640	941.0
053	Speech Therapy	4,272	4,272.0
054	Occupational Therapy	4,481	10,764.0

## Notes

1) Data are limited to final version of Minnesota Health Care Programs-paid claims with service dates between Jan. 1, 2014, through Dec. 31, 2014, inclusive.

2) Analysis was limited to children enrolled in a managed-care organization. MCO assignment was selected based on the MCO in which the recipient had the most months of enrollment during the year. If a person was enrolled in fee-for-service for more months than he or she was enrolled in an MCO during the year, then he or she was excluded from this analysis.

3) Both Managed Care and FFS claims were included in the analysis if the recipient was enrolled in an MCO for the majority of the year.

4) Age was calculated as of Dec. 31, 2014.

5) Analysis was limited to children aged 1 through 6.

6) Diagnostic assessments were identified using procedure codes 90791, 90702 and 90785.

7) Children with a diagnosis of autism spectrum disorder (ASD) were identified with claims having a diagnosis code of 299.0 (Autistic disorder) and 299.8 (Other specified pervasive developmental disorders).

8) Treatments for children with a diagnosis of ASD were identified with claims having a procedure code beginning with 908 (codes 90839 and 90875 did not appear in the CY2013 report); having a procedure code of H2014, T1018, H2015, H2019, H2012, 99499; or claims with category of service of 051 (Physical Therapy), 053 (Speech Therapy), and 054 (Occupational Therapy).

9) All treatment claims were de-duplicated using standard operating procedures.

10) Analysis was designed in adherence to Minn. Stat. 256B.69, Subd. 32a. (see below).

### Minnesota Statutes 256B.69, Subd. 32a.

Initiatives to improve early screening, diagnosis, and treatment of children with autism spectrum disorder and other developmental conditions.

(a) The commissioner shall require managed care plans and county-based purchasing plans, as a condition of contract, to implement strategies that facilitate access for young children between the ages of one and three years to periodic developmental and social-emotional screenings, as recommended by the Minnesota Interagency Developmental Screening Task Force, and that those children who do not meet milestones are provided access to appropriate evaluation and assessment, including treatment recommendations, expected to improve the child's functioning, with the goal of meeting milestones by age five.

(b) The following information from encounter data provided to the commissioner shall be reported on the department's public Web site for each managed care plan and county-based purchasing plan annually by July 31 of each year beginning in 2014:

- (1) the number of children who received a diagnostic assessment;
- (2) the total number of children ages one to six with a diagnosis of autism spectrum disorder who received treatments;
- (3) the number of children identified under clause (2) reported by each 12-month age group beginning with age one and ending with age six; and
- (4) the types of treatments provided to children identified under clause (2) listed by billing code, including the number of units billed for each child.

Updated: 2017-08-09



# Children screened, diagnosed and treated for autism spectrum disorder

These data, published in compliance with [Minn. Stat. 256B.69, Subd. 32a](https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a) (<https://www.revisor.mn.gov/statutes/?id=256b.69#stat.256B.69.32a>), show the number of children aged 1 to 6 who received a diagnostic assessment for autism spectrum disorder, the total number of children aged 1 to 6 with a diagnosis of autism spectrum disorder who received treatments and the types of treatments provided to children who were enrolled in a managed-care organization (MCO).

The statute also requires MCOs to report to DHS annually any barriers they encounter in the delivery of these services. Read the 2018 responses in the [Report on barriers, strategies and effectiveness of practices in the identification of children between the ages of 1-3 with symptoms of autism spectrum disorder \(PDF\)](https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;) (<https://edocs.dhs.state.mn.us/lfserver/Public/DHS-7797-ENG&#160;>).

## Data by calendar year

2017	2016	2015	2014	2013																											
<h3>Data from 2013 calendar year</h3> <p><b>Table 1. Number of children (1-6 years old) who received a diagnostic assessment</b></p> <table border="1"> <thead> <tr> <th>MCO</th> <th>Number of children (Age 1 - 3)</th> <th>Number of children (Age 4 - 6)</th> </tr> </thead> <tbody> <tr> <td>Blue Plus</td> <td>148</td> <td>875</td> </tr> <tr> <td>HealthPartners</td> <td>91</td> <td>476</td> </tr> <tr> <td>Itasca Medical Care</td> <td>15</td> <td>76</td> </tr> <tr> <td>Medica</td> <td>176</td> <td>775</td> </tr> <tr> <td>PrimeWest</td> <td>51</td> <td>202</td> </tr> <tr> <td>South Country Health Alliance</td> <td>25</td> <td>191</td> </tr> <tr> <td>UCare</td> <td>282</td> <td>1,177</td> </tr> <tr> <td><b>MCOs overall</b></td> <td><b>788</b></td> <td><b>3,772</b></td> </tr> </tbody> </table>					MCO	Number of children (Age 1 - 3)	Number of children (Age 4 - 6)	Blue Plus	148	875	HealthPartners	91	476	Itasca Medical Care	15	76	Medica	176	775	PrimeWest	51	202	South Country Health Alliance	25	191	UCare	282	1,177	<b>MCOs overall</b>	<b>788</b>	<b>3,772</b>
MCO	Number of children (Age 1 - 3)	Number of children (Age 4 - 6)																													
Blue Plus	148	875																													
HealthPartners	91	476																													
Itasca Medical Care	15	76																													
Medica	176	775																													
PrimeWest	51	202																													
South Country Health Alliance	25	191																													
UCare	282	1,177																													
<b>MCOs overall</b>	<b>788</b>	<b>3,772</b>																													

**Table 2. Number of children (1-6 years old) with a diagnosis of autism spectrum disorder (ASD) who received treatments**

<b>MCO</b>	<b>Number of children with ASD</b>	<b>Number of children with treatments</b>
Blue Plus	170	126
HealthPartners	106	72
Itasca Medical Care	11	9
Medica	140	101
PrimeWest	35	31
South Country Health Alliance	33	25
UCare	256	170
<b>MCOs overall</b>	<b>751</b>	<b>534</b>

**Table 3a. Number of children (1-3 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>1-year-olds with ASD</b>	<b>1-year-olds receiving treatment</b>	<b>2-year-olds with ASD</b>	<b>2-year-olds receiving treatment</b>	<b>3-year-olds with ASD</b>	<b>3-year-olds receiving treatment</b>
Blue Plus	0	0	12	12	29	23
HealthPartners	2	0	9	6	20	19
Itasca Medical Care	0	0	1	0	3	3
Medica	0	0	10	7	30	25
PrimeWest	0	0	6	6	10	7
South Country Health Alliance	1	0	1	1	5	4
UCare	3	3	26	18	42	29
<b>MHCP overall</b>	<b>6</b>	<b>3</b>	<b>65</b>	<b>50</b>	<b>139</b>	<b>110</b>

**Table 3b. Number of children (4-6 years old) with a diagnosis of ASD who received treatments, by MCO and age**

<b>MCO</b>	<b>4-year-olds with ASD</b>	<b>4-year-olds receiving treatment</b>	<b>5-year-olds with ASD</b>	<b>5-year-olds receiving treatment</b>	<b>6-year-olds with ASD</b>	<b>6-year-olds receiving treatment</b>
Blue Plus	30	20	49	35	50	36
HealthPartners	26	18	24	16	25	13
Itasca Medical Care	2	2	3	2	2	2
Medica	31	24	34	23	35	22
PrimeWest	7	6	5	5	7	7
South Country Health Alliance	7	5	10	7	9	8
UCare	57	38	64	43	64	39
<b>MHCP overall</b>	<b>160</b>	<b>113</b>	<b>189</b>	<b>131</b>	<b>192</b>	<b>127</b>

**Table 4a. Blue Plus: Types of treatments provided to children with ASD by procedure code (n=170)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
90832	Psychotherapy, 30 minutes	10	25	25.0	2.5
90833	Psychotherapy with evaluation & management, 30 minutes	3	6	6.0	2.0
90834	Psychotherapy, 45 minutes	23	99	99.0	4.3
90836	Psychotherapy with evaluation & management, 45 minutes	1	1	1.0	1.0
90837	Psychotherapy, 60 minutes	32	188	188.0	5.9
90838	Psychotherapy with evaluation & management, 60 minutes	1	1	1.0	1.0
90846	Family Psychotherapy - without patient present	23	56	56.0	2.4
90847	Family Psychotherapy - with patient present	41	210	210.0	5.1
90849	Multiple Family Group Psychotherapy	1	4	4.0	4.0
90853	Group Psychotherapy (Other than multiple-family group)	0	0	0.0	N/A

90887	Interpretation of psychiatric and other medical examination	1	1	1.0	1.0
90899	Preparation of report of patient's status, hx, treatment, or progress	6	100	493.0	82.2
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment), 60 minutes	4	385	1,148.0	287.0
H2014	Skills Training and Development, 15 minutes	32	947	8,148.0	254.6
H2015	Crisis Assistance (Comprehensive community support services), 15 minutes	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide, 15 minutes	2	39	306.0	153.0

**Table 4b. Blue Plus: Types of treatments provided to children with ASD by category of service (n=170)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	16	277	650.0	40.6
053	Speech Therapy	50	1,088	1,089.0	21.8
054	Occupational Therapy	53	993	2,403.0	45.3

**Table 5a. HealthPartners: Types of treatment provided to children with ASD by procedure code (n=106)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 minutes	3	4	4.0	1.3
90833	Psychotherapy with evaluation & management, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 minutes	8	46	46.0	5.8
90836	Psychotherapy with evaluation & management, 45 minutes	0	0	0.0	N/A

90837	Psychotherapy, 60 minutes	8	18	18.0	2.3
90838	Psychotherapy with evaluation & management, 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	25	96	96.0	3.8
90847	Family Psychotherapy - with patient present	18	79	79.0	4.4
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy (Other than multiple-family group)	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	2	2	2.0	1.0
90899	Preparation of report of patient's status, hx, treatment, or progress	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment), 60 minutes	17	1,090	3,333.9	196.1
H2014	Skills Training and Development, 15 minutes	12	252	1,773.0	147.8
H2015	Crisis Assistance (Comprehensive community support services), 15 minutes	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide, 15 minutes	0	0	0.0	N/A

**Table 5b. HealthPartners: Types of treatment provided to children with ASD by category of service (n=106)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	11	353	964.0	87.6
053	Speech Therapy	44	1,223	1,223.0	27.8
054	Occupational Therapy	39	1,363	3,144.0	80.6

**Table 6a. Itasca Medical Care: Types of treatment provided to children with ASD by procedure code (n=11)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
90832	Psychotherapy, 30 minutes	3	4	4.0	1.3
90833	Psychotherapy with evaluation & management, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 minutes	2	26	26.0	13.0
90836	Psychotherapy with evaluation & management, 45 minutes	0	0	0.0	N/A
90837	Psychotherapy, 60 minutes	3	31	31.0	10.3
90838	Psychotherapy with evaluation & management, 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	3	8	8.0	2.7
90847	Family Psychotherapy - with patient present	1	11	11.0	11.0
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy (Other than multiple-family group)	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	2	2	2.0	1.0
90899	Preparation of report of patient's status, hx, treatment, or progress	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment), 60 minutes	0	0	0.0	N/A
H2014	Skills Training and Development, 15 minutes	7	195	1,257.0	179.6
H2015	Crisis Assistance (Comprehensive community support services), 15 minutes	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide, 15 minutes	1	94	626.0	626.0

**Table 6b. Itasca Medical Care: Types of treatment provided to children with ASD by category of service (n=11)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	0	0	0.0	N/A
053	Speech Therapy	4	44	44.0	11.0
054	Occupational Therapy	1	21	60.0	60.0

**Table 7a. Medica: Types of treatment provided to children with ASD by procedure code (n=140)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 minutes	2	4	4.0	2.0
90833	Psychotherapy with evaluation & management, 30 minutes	1	1	1.0	1.0
90834	Psychotherapy, 45 minutes	15	45	45.0	3.0
90836	Psychotherapy with evaluation & management, 45 minutes	0	0	0.0	N/A
90837	Psychotherapy, 60 minutes	12	47	47.0	3.9
90838	Psychotherapy with evaluation & management, 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	30	58	58.0	1.9
90847	Family Psychotherapy - with patient present	28	80	80.0	2.9
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy (Other than multiple-family group)	1	1	1.0	1.0
90887	Interpretation of psychiatric and other medical examination	8	9	9.0	1.1
90899	Preparation of report of patient's status, hx, treatment, or progress	8	70	70.0	8.8
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A

H2012	Behavioral Health Day Treatment (General Day Treatment), 60 minutes	24	2,036	3,951.0	164.6
H2014	Skills Training and Development, 15 minutes	25	425	2,783.0	111.3
H2015	Crisis Assistance (Comprehensive community support services), 15 minutes	1	1	3.0	3.0
H2019	Mental Health Behavioral Aide, 15 minutes	4	109	1,221.0	305.3

**Table 7b. Medica: Types of treatment provided to children with ASD by category of service (n=140)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	15	422	943.0	62.9
053	Speech Therapy	66	1,774	1,774.0	26.9
054	Occupational Therapy	66	1,731	4,506.0	68.3

**Table 8a. PrimeWest: Types of treatment provided to children with ASD by procedure code (n=35)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
90832	Psychotherapy, 30 minutes	3	3	3.0	1.0
90833	Psychotherapy with evaluation & management, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 minutes	7	35	35.0	5.0
90836	Psychotherapy with evaluation & management, 45 minutes	0	0	0.0	N/A
90837	Psychotherapy, 60 minutes	4	28	28.0	7.0
90838	Psychotherapy with evaluation & management, 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	6	14	14.0	2.3

90847	Family Psychotherapy - with patient present	4	69	69.0	17.3
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy (Other than multiple-family group)	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	6	6	6.0	1.0
90899	Preparation of report of patient's status, hx, treatment, or progress	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment), 60 minutes	0	0	0.0	N/A
H2014	Skills Training and Development, 15 minutes	10	169	1,140.0	114.0
H2015	Crisis Assistance (Comprehensive community support services), 15 minutes	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide, 15 minutes	0	0	0.0	N/A

**Table 8b. PrimeWest: Types of treatment provided to children with ASD by category of service (n=35)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	8	136	2,087.0	260.9
053	Speech Therapy	15	197	197.0	13.1
054	Occupational Therapy	23	416	769.0	33.4

**Table 9a. South Country Health Alliance: Types of treatment provided to children with ASD by procedure code (n=33)**

Procedure code	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
----------------	-------------	---	-------------------	------------------	---------------

90832	Psychotherapy, 30 minutes	0	0	0.0	N/A
90833	Psychotherapy with evaluation & management, 30 minutes	0	0	0.0	N/A
90834	Psychotherapy, 45 minutes	6	28	28.0	4.7
90836	Psychotherapy with evaluation & management, 45 minutes	0	0	0.0	N/A
90837	Psychotherapy, 60 minutes	6	36	36.0	6.0
90838	Psychotherapy with evaluation & management, 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	7	13	13.0	1.9
90847	Family Psychotherapy - with patient present	8	42	42.0	5.3
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy (Other than multiple-family group)	0	0	0.0	N/A
90887	Interpretation of psychiatric and other medical examination	1	1	1.0	1.0
90899	Preparation of report of patient's status, hx, treatment, or progress	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment), 60 minutes	0	0	0.0	N/A
H2014	Skills Training and Development, 15 minutes	13	524	4,999.0	384.5
H2015	Crisis Assistance (Comprehensive community support services), 15 minutes	0	0	0.0	N/A
H2019	Mental Health Behavioral Aide, 15 minutes	2	43	338.0	169.0

**Table 9b. South Country Health Alliance: Types of treatment provided to children with ASD by category of service (n=33)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	4	61	92.0	23.0

053	Speech Therapy	9	244	244.0	27.1
054	Occupational Therapy	11	274	369.0	33.5

**Table 10a. UCare: Types of treatments provided to children with ASD by procedure code (n=256)**

<b>Procedure code</b>	<b>Description</b>	<b>Unique number of children receiving service</b>	<b>Count of services</b>	<b>Total units paid</b>	<b>Average units</b>
90832	Psychotherapy, 30 minutes	8	22	22.0	2.8
90833	Psychotherapy with evaluation & management, 30 minutes	1	2	2.0	2.0
90834	Psychotherapy, 45 minutes	16	84	84.0	5.3
90836	Psychotherapy with evaluation & management, 45 minutes	0	0	0.0	N/A
90837	Psychotherapy, 60 minutes	25	100	100.0	4.0
90838	Psychotherapy with evaluation & management, 60 minutes	0	0	0.0	N/A
90846	Family Psychotherapy - without patient present	46	138	138.0	3.0
90847	Family Psychotherapy - with patient present	60	250	250.0	4.2
90849	Multiple Family Group Psychotherapy	0	0	0.0	N/A
90853	Group Psychotherapy (Other than multiple-family group)	4	26	26.0	6.5
90887	Interpretation of psychiatric and other medical examination	17	19	19.0	1.1
90899	Preparation of report of patient's status, hx, treatment, or progress	0	0	0.0	N/A
99499	Psychiatric Consultation (Unlisted evaluation and management)	0	0	0.0	N/A
H2012	Behavioral Health Day Treatment (General Day Treatment), 60 minutes	19	1,461	4,330.0	227.9
H2014	Skills Training and Development, 15 minutes	43	1,323	8,282.0	192.6
H2015	Crisis Assistance (Comprehensive community support services), 15 minutes	3	3	16.0	5.3

H2019	Mental Health Behavioral Aide, 15 minutes	5	230	1,711.0	342.2
-------	--	---	-----	---------	-------

**Table 10b. UCare: Types of treatments provided to children with ASD by category of service (n=256)**

Category of service	Description	Unique number of children receiving service	Count of services	Total units paid	Average units
051	Physical Therapy	17	175	274.0	16.1
053	Speech Therapy	104	2,213	2,213.0	21.3
054	Occupational Therapy	97	2,829	6,478.0	66.8

## Notes

1) Data are limited to final version of Minnesota Health Care Programs-paid claims with service dates between Jan. 1, 2013, through Dec. 31, 2013, inclusive.

2) Analysis was limited to children enrolled in a managed-care organization. MCO assignment was selected based on the MCO in which the recipient had the most months of enrollment during the year. If a person was enrolled in fee-for-service for more months than he or she was enrolled in an MCO during the year, then he or she was excluded from this analysis.

3) Only Managed care claims were included in analysis.

4) Age was calculated as of Dec. 31, 2013.

5) Analysis was limited to children aged 1 through 6.

6) Diagnostic assessments were identified using procedure codes 90791, 90702 and 90785.

7) Children with a diagnosis of autism spectrum disorder (ASD) were identified with claims having a diagnosis code of 299.0 (Autistic disorder) and 299.8 (Other specified pervasive developmental disorders).

8) Treatments for children with a diagnosis of ASD were identified with claims having a procedure code beginning with 908; having a procedure code of H2014, T1018, H2015, H2019, H2012, 99499; or claims with category of service of 051 (Physical Therapy), 053 (Speech Therapy), and 054 (Occupational Therapy). The service count is sum of all the unique services for all the children in each respective MCO. These counts were deduplicated using standard DHS procedures.

9) All treatment claims were de-duplicated using standard operating procedures.

10) Analysis was designed in adherence to Minn. Stat. 256B.69, Subd. 32a. (see below).

Minnesota Statutes 256B.69, Subd. 32a.

Initiatives to improve early screening, diagnosis, and treatment of children with autism spectrum disorder and other developmental conditions.

(a) The commissioner shall require managed care plans and county-based purchasing plans, as a condition of contract, to implement strategies that facilitate access for young children between the ages of one and three years to periodic developmental and social-emotional screenings, as recommended by the Minnesota Interagency Developmental Screening Task Force, and that those children who do not meet milestones are provided access to appropriate evaluation and assessment, including treatment recommendations, expected to improve the child's functioning, with the goal of meeting milestones by age five.

(b) The following information from encounter data provided to the commissioner shall be reported on the department's public Web site for each managed care plan and county-based purchasing plan annually by July 31 of each year beginning in 2014:

- (1) the number of children who received a diagnostic assessment;
- (2) the total number of children ages one to six with a diagnosis of autism spectrum disorder who received treatments;
- (3) the number of children identified under clause (2) reported by each 12-month age group beginning with age one and ending with age six; and
- (4) the types of treatments provided to children identified under clause (2) listed by billing code, including the number of units billed for each child.

Updated: 2017-08-09