

Minnesota Health Care Programs

Counts of Children aged one to six receiving Screening, Diagnosis, and Treatment for Autism Spectrum Disorder and other Specified Pervasive Developmental Disorders Limited to Ecounter data from Children enrolled in Managed Care Organizations CY 2013

This report is published in compliance with Minnesota Statutes 256B.69, Subd. 32a. These data show counts of the number of children aged one to six who received a diagnostic assessment for autism spectrum disorder, the total number of children aged one to six 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), during Calendar Year 2013. Please review the notes on page 10 for more

Number of Children (1-6 years old) who received a Diagnostic Assessment, by MCO Table 1

| 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 |
| <i>MCOs Overall</i> | 788 | 3,772 |

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Number of Children (1-6 years old) with a diagnosis of Autism Spectrum Disorder (ASD) who received

| MCO | Number of ASD Children | Number of Children with Treatment(s) |
|----------------------|------------------------|--------------------------------------|
| Blue Plus | 170 | 126 |
| HealthPartners | 106 | 72 |
| Itasca Medical Care | 11 | 9 |
| Medica | 140 | 101 |
| PrimeWest | 35 | 31 |
| South Country Health | 33 | 25 |
| UCare | 256 | 170 |
| <i>MCOs Overall</i> | 751 | 534 |

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Number of Children (1-6 years old) with a diagnosis of ASD who received treatments, by MCO and Age Table 3

| MCO | Number of 1 year old ASD Children | Number of 1 year olds Receiving | Number of 2 year old ASD Children | Number of 2 year olds Receiving | Number of 3 year old ASD | Number of 3 year olds Receiving |
|-------------------------------|-----------------------------------|---------------------------------|-----------------------------------|---------------------------------|--------------------------|---------------------------------|
| Blue Plus | - | - | 12 | 12 | 29 | 23 |
| HealthPartners | 2 | 0 | 9 | 6 | 20 | 19 |
| Itasca Medical Care | - | - | 1 | 0 | 3 | 3 |
| Medica | - | - | 10 | 7 | 30 | 25 |
| PrimeWest | - | - | 6 | 6 | 10 | 7 |
| South Country Health Alliance | 1 | 0 | 1 | 1 | 5 | 4 |
| UCare | 3 | 3 | 26 | 18 | 42 | 29 |
| <i>MHCP Overall</i> | 6 | 3 | 65 | 50 | 139 | 110 |

end of table

| MCO | Number of 4 year old ASD Children | Number of 4 year olds Receiving | Number of 5 year old ASD Children | Number of 5 year olds Receiving | Number of 6 year old ASD | Number of 6 year olds Receiving |
|-------------------------------|-----------------------------------|---------------------------------|-----------------------------------|---------------------------------|--------------------------|---------------------------------|
| 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 |
| <i>MHCP Overall</i> | 160 | 113 | 189 | 131 | 192 | 127 |

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Blue Plus - Types of Treatments Provided to ASD Children (n=170)Table 4

| Procedure Code | Description | Unique # of Children Receiving Service | Count of Services | Total Units Paid | Average Units |
|----------------|--|--|-------------------|------------------|---------------|
| 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 | - |
| 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 | - |
| 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 | - |
| H2019 | Mental Health Behavioral Aide, 15 minutes | 2 | 39 | 306.0 | 153.0 |

end of table

| Category of Service | Description | Unique # 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 |

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HealthPartners - Types of Treatment Provided to ASD Children (n=106) Table 5

| Procedure Code | Description | Unique # 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 | - |
| 90834 | Psychotherapy, 45 minutes | 8 | 46 | 46.0 | 5.8 |
| 90836 | Psychotherapy with evaluation & management, 45 minutes | 0 | 0 | 0.0 | - |
| 90837 | Psychotherapy, 60 minutes | 8 | 18 | 18.0 | 2.3 |
| 90838 | Psychotherapy with evaluation & management, 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| 90853 | Group Psychotherapy (Other than multiple-family group) | 0 | 0 | 0.0 | - |
| 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 | - |
| 99499 | Psychiatric Consultation (Unlisted evaluation and management) | 0 | 0 | 0.0 | - |
| 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 | - |
| H2019 | Mental Health Behavioral Aide, 15 minutes | 0 | 0 | 0.0 | - |

end of table

| Category of Service | Description | Unique # 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 |

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Itasca Medical Care (IMC) - Types of Treatment Provided to ASD Children (n=11) Table 6

| Procedure Code | Description | Unique # 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 | - |
| 90834 | Psychotherapy, 45 minutes | 2 | 26 | 26.0 | 13.0 |
| 90836 | Psychotherapy with evaluation & management, 45 minutes | 0 | 0 | 0.0 | - |
| 90837 | Psychotherapy, 60 minutes | 3 | 31 | 31.0 | 10.3 |
| 90838 | Psychotherapy with evaluation & management, 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| 90853 | Group Psychotherapy (Other than multiple-family group) | 0 | 0 | 0.0 | - |
| 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 | - |
| 99499 | Psychiatric Consultation (Unlisted evaluation and management) | 0 | 0 | 0.0 | - |
| H2012 | Behavioral Health Day Treatment (General Day Treatment), 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| H2019 | Mental Health Behavioral Aide, 15 minutes | 1 | 94 | 626.0 | 626.0 |

end of table

| Category of Service | Description | Unique # of Children Receiving Service | Count of Services | Total Units Paid | Average Units |
|---------------------|----------------------|--|-------------------|------------------|---------------|
| 051 | Physical Therapy | 0 | 0 | 0.0 | - |
| 053 | Speech Therapy | 4 | 44 | 44.0 | 11.0 |
| 054 | Occupational Therapy | 1 | 21 | 60.0 | 60.0 |

end of table

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Medica-Types of Treatment Provided to ASD Children

Medica - Types of Treatment Provided to ASD Children (n=140) Table 7.

| Procedure Code | Description | Unique # 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 | - |
| 90837 | Psychotherapy, 60 minutes | 12 | 47 | 47.0 | 3.9 |
| 90838 | Psychotherapy with evaluation & management, 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| 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 | - |
| 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 |

end of table

| Category of Service | Description | Unique # 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 |

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PrimeWest - Types of Treatment Provided to ASD Children (n=35) Table 8

| Procedure Code | Description | Unique # 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 | - |
| 90834 | Psychotherapy, 45 minutes | 7 | 35 | 35.0 | 5.0 |
| 90836 | Psychotherapy with evaluation & management, 45 minutes | 0 | 0 | 0.0 | - |
| 90837 | Psychotherapy, 60 minutes | 4 | 28 | 28.0 | 7.0 |
| 90838 | Psychotherapy with evaluation & management, 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| 90853 | Group Psychotherapy (Other than multiple-family group) | 0 | 0 | 0.0 | - |
| 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 | - |
| 99499 | Psychiatric Consultation (Unlisted evaluation and management) | 0 | 0 | 0.0 | - |
| H2012 | Behavioral Health Day Treatment (General Day Treatment), 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| H2019 | Mental Health Behavioral Aide, 15 minutes | 0 | 0 | 0.0 | - |

end of table

| Category of Service | Description | Unique # 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 |

end of table

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South Country Health Alliance-Types of Treatment Provided to ASD Children

South Country Health Alliance (SCHA) - Types of Treatment Provided to ASD Children (n=33) Table 9

| Procedure Code | Description | Unique # of Children Receiving Service | Count of Services | Total Units Paid | Average Units |
|----------------|--|--|-------------------|------------------|---------------|
| 90832 | Psychotherapy, 30 minutes | 0 | 0 | 0.0 | - |
| 90833 | Psychotherapy with evaluation & management, 30 minutes | 0 | 0 | 0.0 | - |
| 90834 | Psychotherapy, 45 minutes | 6 | 28 | 28.0 | 4.7 |
| 90836 | Psychotherapy with evaluation & management, 45 minutes | 0 | 0 | 0.0 | - |
| 90837 | Psychotherapy, 60 minutes | 6 | 36 | 36.0 | 6.0 |
| 90838 | Psychotherapy with evaluation & management, 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| 90853 | Group Psychotherapy (Other than multiple-family group) | 0 | 0 | 0.0 | - |
| 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 | - |
| 99499 | Psychiatric Consultation (Unlisted evaluation and management) | 0 | 0 | 0.0 | - |
| H2012 | Behavioral Health Day Treatment (General Day Treatment), 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| H2019 | Mental Health Behavioral Aide, 15 minutes | 2 | 43 | 338.0 | 169.0 |

end of table

| Category of Service | Description | Unique # 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 |

end of table

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UCare-Types of Treatment Provided to ASD Children

UCare - Types of Treatment Provided to ASD Children (n=256) Table 10

| Procedure Code | Description | Unique # of Children Receiving Service | Count of Services | Total Units Paid | Average Units |
|----------------|--|--|-------------------|------------------|---------------|
| 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 | - |
| 90837 | Psychotherapy, 60 minutes | 25 | 100 | 100.0 | 4.0 |
| 90838 | Psychotherapy with evaluation & management, 60 minutes | 0 | 0 | 0.0 | - |
| 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 | - |
| 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 | - |
| 99499 | Psychiatric Consultation (Unlisted evaluation and management) | 0 | 0 | 0.0 | - |
| 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 |

end of table

| Category of Service | Description | Unique # 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 |

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Notes

- 1) Data are limited to final version Minnesota Health Care Programs (MHCP) paid claims with service dates between January 1, 2013 through December 31, 2013 inclusive.
- 2) Analysis was limited to children enrolled in a Managed Care Organization (MCO). MCO assignment was selected based on the MCO the recipient had the most months in during the year. If a recipient was enrolled in Fee-for-Service (FFS) the most months during the year then they were assigned FFS and excluded from this analysis.
- 3) Only Managed care claims were included in analysis.
- 4) Age was calculated as of December 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 deduplicated using standard operating procedures.
- 10) Analysis was designed in adherence to Minnesota Statutes 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.

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