



The Hilltop Institute

analysis to advance the health of vulnerable populations

Medicaid Long-Term Services and Supports in Maryland:

FY 2010 to FY 2013
Volume 2

The Autism Waiver
A Chart Book

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Chapter 1. Maryland Medicaid Long-Term Services and Supports Overview

Chapter 1. Maryland Medicaid Long-Term Services and Supports Overview

The Maryland Long-Term Services and Supports Chart Book, Volume 2, The Autism Waiver is the second chart book in a series of two that explores service utilization and expenditures for Medicaid-funded long-term services and supports in Maryland. Volume 1 in this series explores service utilization and expenditures for Maryland Medicaid's Living at Home Waiver, Waiver for Adults, and Medical Day Care Waiver, as well as Maryland State Plan personal care services and Medicaid nursing facility utilization and expenditures.

This chart book provides information about Maryland Medicaid participants who received services through the Autism Waiver in state fiscal years (FYs) 2010 through 2013. The Autism Waiver, which became effective July 1, 2001, provides community-based services to individuals from the age of 1 year through the end of the school year in which they turn 21 years old. The waiver enables individuals with Autism Spectrum Disorder and who meet an institutional level of care (Intermediate Care Facility for Individuals with Intellectual Disabilities, or ICF-ID) to be supported in their own homes, community-based settings, or school-based settings. The waiver is authorized under Section 1915(c) of the Social Security Act and approved by the federal Centers for Medicare and Medicaid Services. It is operated by the Maryland State Department of Education and overseen by Maryland's Medicaid Program.

Services covered under the waiver include adult life planning, family training, intensive individual support services, respite care, therapeutic integration, residential habilitation, and environment accessibility adaptations. Waiver participants receive full Medicaid benefits and are entitled to receive other services under the Maryland Medicaid State Plan.

In FY 2013, the Autism Waiver served a total of 910 participants, with Medicaid expenditures totaling \$42 million, including both state and federal spending. Due to the high demand for Autism Waiver services and a defined number of available waiver slots, the Autism Waiver is currently not accepting applications. Marylanders wishing to receive Autism Waiver services must place their names on the Autism Waiver Registry of Interested Families and are asked to apply as openings arise and their names approach the top of the list.

Chapter 1. Maryland Medicaid Long-Term Services and Supports Overview continued

Key Findings

This chart book summarizes demographic, service utilization, and expenditure data for the Autism Waiver for FYs 2010 through 2013. The data are presented through a series of figures that illustrate trends in Autism Waiver utilization with accompanying narrative text.

Notable trends in the data include the following:

- The Autism Waiver served a total of 910 participants in FY 2013, 12 more than in FY 2012. . The number of waiver slots was increased to 1,000 participants for FY 2014.
 - Half of the FY 2012 Autism Waiver participants are aged 16 to 21. Two percent of the participants were aged one to five. Male participants continued to outnumber females nearly four to one.
 - The average length of stay in the Autism Waiver for FY 2013 was five years and eight months.
 - Total Medicaid expenditures for Autism Waiver participants increased in each of the first three FYs before declining in FY 2013 to \$40.2 million. Seventy-two percent (\$29.1 million) of these expenditures was for the provision of waiver services.
 - FY 2013 average annual total Medicaid expenditures for Autism Waiver participants were \$44,227—a decrease of less than 1% from the previous year.
- Intensive individual support services accounted for the largest percentage (62%) of FY 2013 Medicaid expenditures for Autism Waiver services.
 - The most widely used waiver services in FY 2013 were intensive individual support services (858 or 94% of users), respite care services (783 or 86% of users), and family training (745 or 82% of users).
 - At \$4.2 million, Medicaid capitation payments make up the largest FY 2013 non-waiver service expenditure category.

Chapter 1. Maryland Medicaid Long-Term Services and Supports Overview continued

Chart Book Organization

The data in this chart book are presented in two sections.

- **Waiver Participants:** This section includes data on the number of Autism Waiver participants with breakdowns by age, race, gender, county of residence, average length of stay, and reason for leaving the waiver. It also contains data on the number of individuals on the Interest List.
- **Medicaid Expenditures and Service Utilization:** This section provides data on expenditures for waiver, non-waiver, and pharmacy services used by participants in the Autism Waiver program.

Data Sources

The information in this chart book was derived from the following data sources:

- **Maryland Department of Health and Mental Hygiene (DHMH) Medicaid Management Information System (MMIS2):** This system contains data for all individuals enrolled in Maryland Medicaid during the relevant fiscal year, including Medicaid eligibility category and fee-for-service claims. All MMIS2 data are warehoused and processed monthly by The Hilltop Institute.
- **DHMH Decision Support System (DSS):** This system, developed by The Hilltop Institute, informs state decision making by providing comprehensive information on Medicaid eligibility, managed care provider enrollment, acute care services and expenditures, and capitation payments.
- **DHMH Long-Term Care and Waiver Services:** This includes Autism Waiver interest lists.
- **U.S. Census Bureau:** 2012 Population Estimates, prepared by the Maryland Department of Planning, Projections and Data Analysis, State Data Center, June 2013.

Chapter 2.

Autism Waiver Participants

Chapter 2. Autism Waiver Participants

Autism Waiver Participant Demographics

In FY 2013, 910 individuals were served in the Autism Waiver. The number of waiver slots increased to 1,000 in FY 2014 (Figure 1).

The Autism Waiver population continues to age as a result of the low turnover rate among its participants. In FY 2013, half (50%) of all participants were aged 16 to 21 and 48% were aged 11 to 15 (Figure 2). In each of the four reporting periods, male Autism Waiver participants outnumbered females by a ratio of nearly four to one (Figure 3). In FY 2013, half (50%) of all Autism Waiver participants were White (Figure 4).

In FY 2013, Maryland had five Autism Waiver participants per capita (five waiver participants for every 10,000 Marylanders aged 0 to 24 years). Three Maryland counties—Howard, Frederick, and Harford—had seven or more Autism Waiver participants per capita (Figure 5).

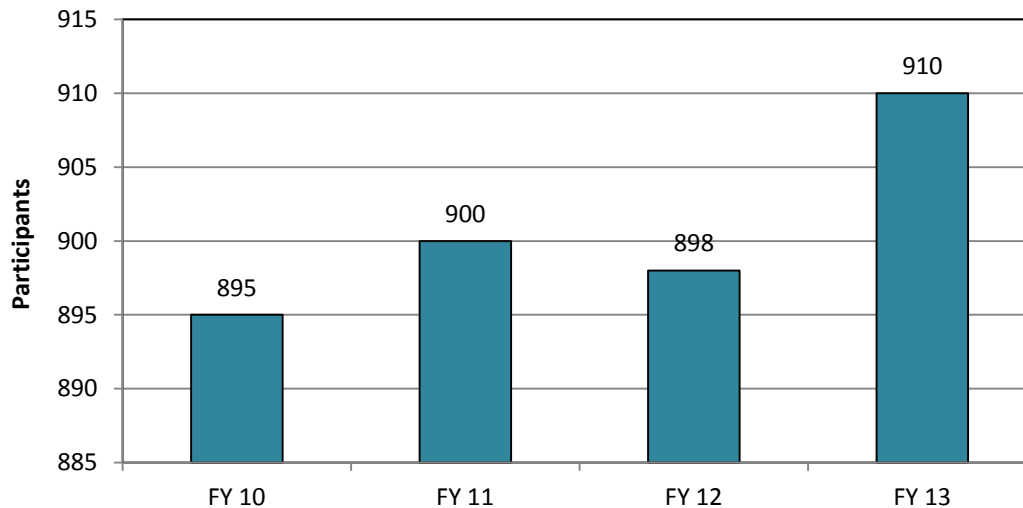
Autism Waiver participants are being enrolled into the waiver at older ages, likely due to the length of time on the waiver interest list. In the past four study periods there were no newly enrolled participants under the age of six. In FY 2010, over one third (39%) of all newly enrolled participants were aged 6 to 10. This percentage decreased to 13% by FY 2013. By FY 2013, 63% of newly enrolled participants were aged 11 to 15 and 24% were aged 16 to 21 (Figure 6).

The average length of stay for current Autism Waiver participants was five years and eight months in FY 2013 (Figure 7). There was no discernible pattern in the age of Autism Waiver participants that were disenrolled from the waiver since FY 2010. However, it is worth noting that 33 of the 70 participants disenrolled in FY 2013 were aged 22 or older (Figure 8).

Registry of Interested Families

The number of Marylanders on the Autism Waiver Registry of Interested Families totaled 4,405 as of August 2015 (Figure 9). Geographically, Montgomery County (890) had the highest concentration of registrants, followed by Baltimore County (723), and Prince George's County (698) (Figure 11).

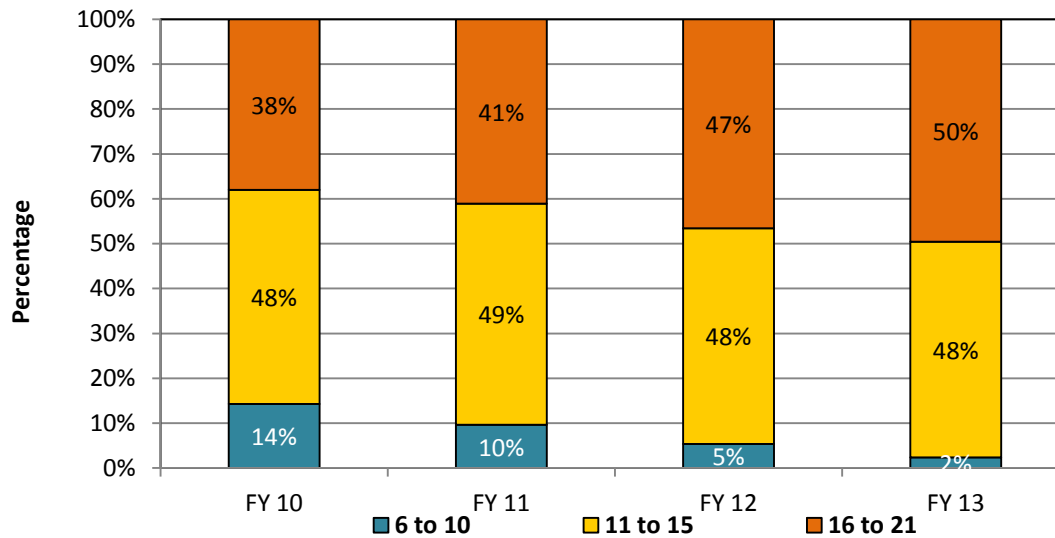
Figure 1. Unduplicated Number of Autism Waiver Participants



Source: DSS

The number of Autism Waiver participants increased slightly from 898 in FY 2012 to 910 in FY 2013.

Figure 2. Autism Waiver Participants, by Age Group



As a result of the low turnover rates among Autism Waiver participants, the waiver population is aging. Half (50%) of the FY 2013 waiver participants were aged 16 to 21 compared to 38% in FY 2010. As shown in Figure 2 there have been no waiver participants aged one to five in the past four years.

Note: There was a small number of FY 2011 waiver participants over the age of 21. This number is not recorded due to HIPAA regulations.

Source: DSS

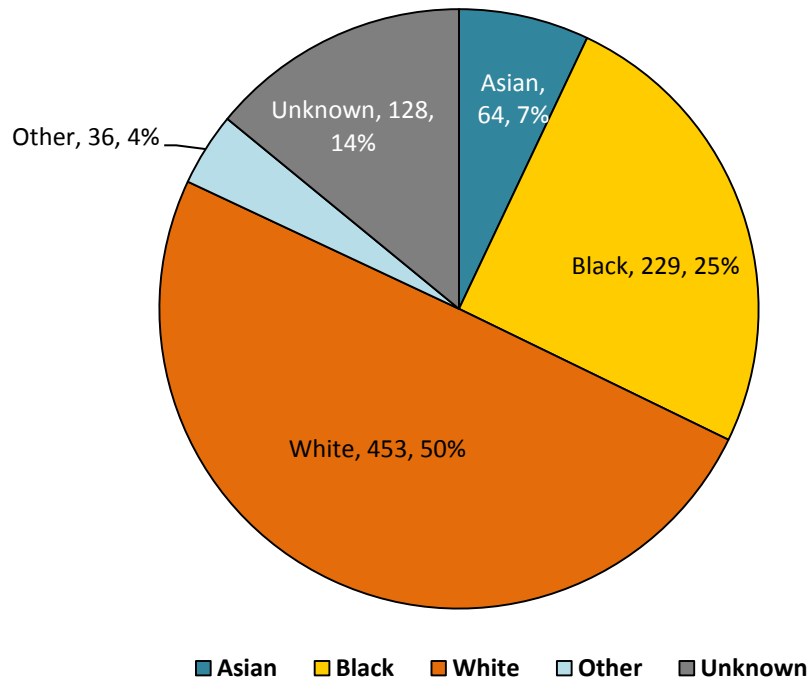
Figure 3. Autism Waiver Participants, by Gender

Gender	FY 10	FY 11	FY 12	FY 13
Female	189	190	191	192
Male	706	710	707	718
Total	895	900	898	910

Source: DSS

Male Autism Waiver participants continue to outnumber female participants. From FY 2010 to FY 2013, the ratio of male to female participants was four to one.

Figure 4. Autism Waiver Participants, by Race, FY 2013

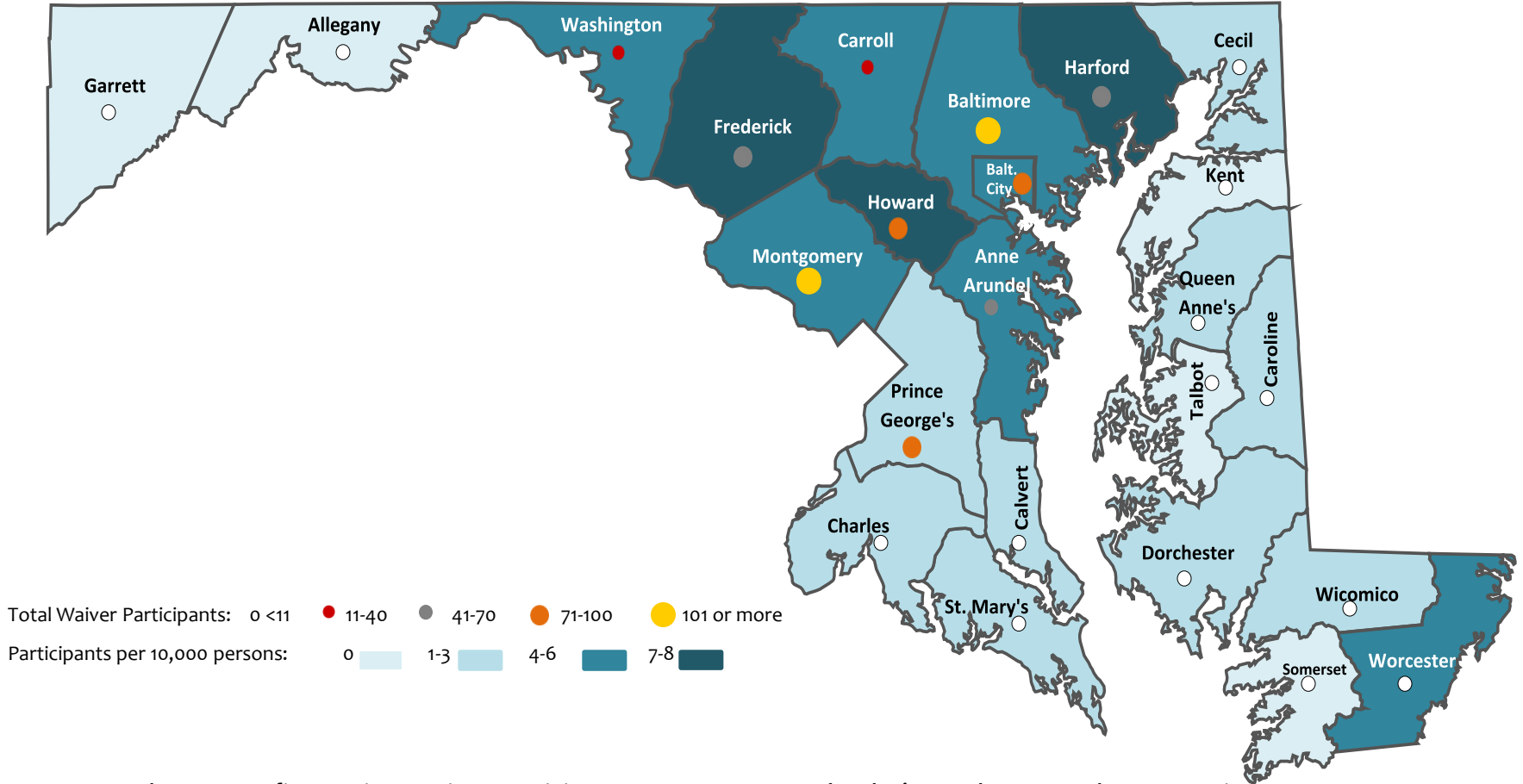


Whites (50%) made up the largest percentage of Autism Waiver participants in FY 2013. At 25%, blacks made up the next largest percentage of participants.

Note: “Other” includes Hispanic and Native American participants. The two groups were combined due to the small number of participants.

Source: DSS

Figure 5. Number of Autism Waiver Participants, Per Capita, by County, FY 2013

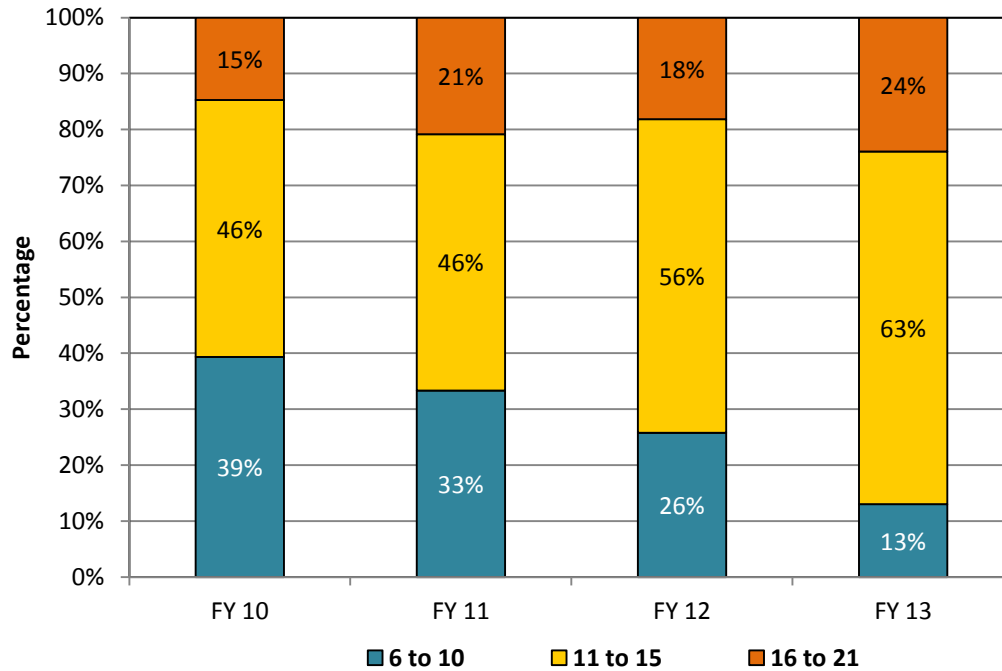


In FY 2013, there were five Autism Waiver participants per 10,000 Marylander’s aged 0 to 24. Three counties—Frederick, Harford, and Howard—had seven to eight Autism Waiver participants per 10,000 residents.

Note: The U.S. Census Bureau’s age categories do not align with the Autism Waiver age criteria that allow participants from the ages of 1 to 22 years. The population per capita calculations, therefore, include persons aged 0 to 24 years.

Sources: DSS, U.S. Census Bureau

Figure 6. Autism Waiver New Enrollees, by Age Group

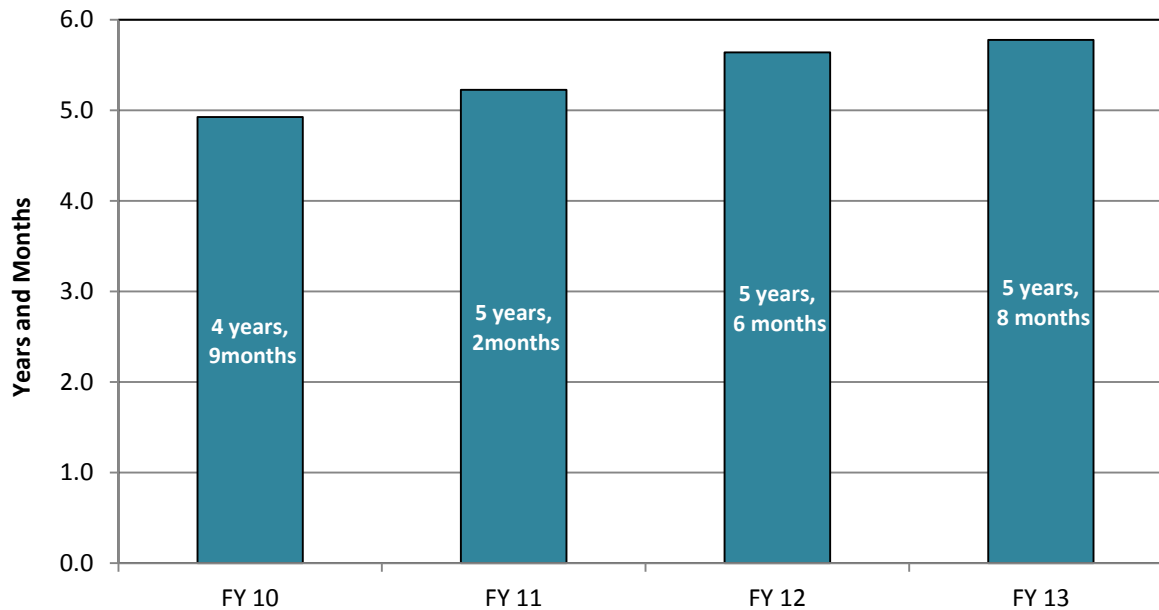


Source: DSS

Newly enrolled Autism Waiver participants are being enrolled in the waiver at older ages. This is likely due to the length of time — generally seven or eight years — spent on the Autism Waiver Registry of Interested Families before being enrolled in the waiver.

In FY 2013, 46% of all new enrollees were aged 11 to 15, compared to 46% in FY 2010. There were no new enrollees under the age of five during this four year reporting period.

Figure 7. Average Length of Stay in the Autism Waiver, in Years, for Current Autism Waiver Participants



The average length of stay for Autism Waiver participants was five years and eight months in FY 2013. This is likely due to the low turnover rate and the age of entry into the waiver.

Note: Participants enrolled in the Autism Waiver in each fiscal year were identified using each participant's last Medicaid Autism Waiver eligibility span. Individual participant lengths of stay were calculated from the beginning date of the participant's last Autism Waiver eligibility span to the last day of each fiscal year (June 30). The lengths of stay for persons still in the waiver on June 30 in a given year were totaled and averaged to obtain the average length of stay for all participants in the waiver on June 30 of that fiscal year.

Source: MMIS2

Figure 8. Autism Waiver Participant Disenrollment, by Age Group*

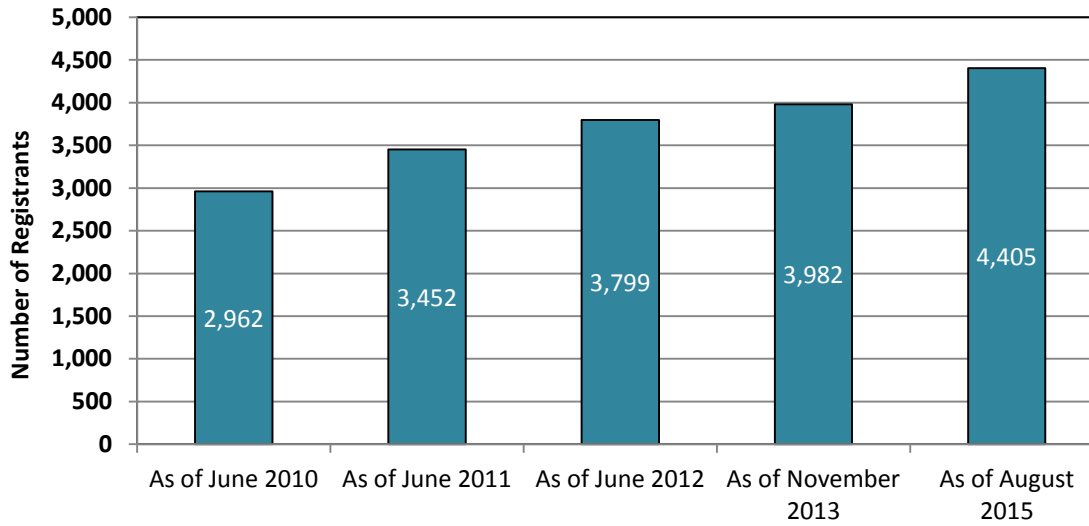
Age Group	FY 10		FY 11		FY 12		FY 13	
	Participants	Percentage	Participants	Percentage	Participants	Percentage	Participants	Percentage
6 to 15	20	33%	13	22%	23	30%	13	18%
16 to 21	19	32%	17	28%	22	29%	24	33%
22+	18	30%	27	45%	28	37%	33	46%
Total	57	100%	57	100%	73	100%	70	100%

* Participants with no available age were excluded from this analysis.

Source: DSS

Of the 72 Autism Waiver participants who were disenrolled from the waiver in FY 2013, nearly half were disenrolled due to ‘aging out’ of the waiver.

Figure 9. Number of Persons on the Autism Waiver Registry of Interested Families



Source: DSS

As of August 2015 there were 4,405 individuals on the Maryland Autism Waiver List of Interested Families. Over half of all registrants were aged five or younger at the time they were placed on the list.

Figure 10. Autism Waiver Registrants, by Age Group

Age (in years) at Time of Registration			Age (in years) as of September 10, 2015	
Age Group	Number	Percentage	Number	Percentage
0 to 5	2,276	52%	720	16%
6 to 10	1,359	31%	1,813	41%
11 to 15	665	15%	1,234	28%
16 to 21	87	2%	629	14%
Total *	4,387	100%	4,396	100%

On average, individuals have been on the interest list for a little over three years with some being on the list less than one year and others as long as eight years.

*The ages of some individuals on the registry were unavailable.
Source: DHMH Long-Term Care and Waiver Services

Figure 11. Number of Autism Waiver Interest List Registrants, by County*

County	Number on Registry	Percentage
Allegany	20	0.5%
Anne Arundel	314	7.1%
Baltimore City	418	9.5%
Baltimore County	723	16.4%
Calvert	48	1.1%
Caroline	*	*
Carroll	122	2.8%
Cecil	50	1.1%
Charles	69	1.6%
Dorchester	17	0.4%
Fredrick	253	5.7%
Garrett	*	*
Harford	224	5.1%
Howard	280	6.4%
Kent	*	*
Montgomery	890	20.2%
Prince George's	698	15.8%
Queen Anne's	27	0.6%
Somerset	*	*
St. Mary's	41	0.9%
Talbot	10	0.2%
Washington	93	2.1%
Wicomico	45	1.0%
Worcester	21	0.5%
Total	4,389	100%

*Registrants with no county listed were excluded from this analysis.

Note: Due to HIPAA requirements, counties with fewer than seven registrants have been redacted to prevent inadvertent disclosure.

Source: DHMH Division of Community Long Term Care

As of August 2015, there were 4,405 Marylanders on the Autism Waiver Registry of Interested Families of which 4,389 indicated a county of residence. Montgomery, Baltimore, and Prince George's counties had the highest number of interest list registrants.

Chapter 3. Autism Waiver Medicaid Expenditures and Service Utilization

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Total Medicaid expenditures for Autism Waiver participants decreased 4% from \$41.9 million in FY 2012 to \$40.2 million in FY 2013. Waiver expenditures accounted for 72% of the total Autism Waiver expenditures in FY 2013 (Figure 12).

Average annual per person Medicaid expenditures for Autism Waiver participants were relatively stable at around \$46,000 from FY 2010 to FY 2012 before decreasing to \$44,227 in FY 2013. (Figure 13).

Service Utilization

Overall, intensive individual support services, therapeutic integration, and intensive residential habilitation were the most costly of the Autism Waiver services used in FY 2013.

Medicaid expenditures for environmental accessibility adaptation services totaled \$59,381 in FY 2013, a 29% increase from the previous fiscal year. The number of users for this service increased 17% from FY 2012 to FY 2013. On average, FY 2013 per person expenditures for this service were \$1,100, with the 16- to 21-year-old age group having the highest per person cost at \$1,245 (Figure 15).

Total Medicaid expenditures for family training services were \$1.2 million in FY 2013, a 9% decrease from the previous fiscal year. However, the number of Autism Waiver participants utilizing this service increased from 731 in FY 2012 to 745 in FY 2013. The average per person

expenditures in FY 2013 were \$1,640—down 26% from FY 2010 levels. The 6- to 10-year-old age group had the highest per person cost in FY 2013 at \$1,743 (Figure 16).

Intensive individual support services were widely used by Autism Waiver participants, with the number of users increasing in each of the four fiscal years. In FY 2013, 858 (94%) of the 910 waiver participants utilized this service, at a cost of \$18.2 million and an average annual per person cost of \$21,191 (Figure 17).

The number of Autism Waiver participants receiving intensive residential habilitation services continues to decrease, from 31 in FY 2010 to 25 in FY 2013. (Figure 18).

Less than five Autism Waiver participants received intensive family leave services in FY 2013. The total cost of these services was \$8,448—down from \$38,018 in FY 2012 (Figure 19).

In FY 2013, 86% of the Autism Waiver participants received respite care services at a total cost of \$2.9 million. Average annual per person expenditures for respite care services in FY 2013 were \$3,707 (Figure 20). At 417, the number of therapeutic integration services users remained stable from FY 2012 to FY 2013. FY 2013 Medicaid expenditures for this service decreased from \$4.0 million in FY 2012 to \$3.6 million in FY 2013 (Figure 21).

Chapter 3. Autism Waiver Medicaid Expenditures and Service Utilization continued

The number of Autism Waiver participants using adult life planning services has increased each year since the service was implemented in January 2010. In FY 2013, 111 participants used this service at a cost of \$64,909—an increase from 13 users and a cost of \$5,636 in FY 2010 (Figure 22).

Non-Waiver Expenditures

Non-waiver Medicaid expenditures decreased in each of the four reporting periods. In FY 2013, non-waiver expenditures totaled \$11.1 million, down less than 1% from \$11.2 million in FY 2012 and 3% from FY 2010. (Figure 23).

At \$4.2 million Medicaid capitation payments—fixed monthly amounts paid to managed care organizations (MCOs) to provide services to Medicaid beneficiaries who are enrolled in the Maryland HealthChoice program—were the costliest of the FY 2013 non-waiver services. (Figure 23).

Total Medicaid expenditures for waiver coordination services (initial and ongoing assessments and reassessments) increased from \$1.6 million in FY 2012 to \$1.7 million in FY 2013. Ongoing assessments were the most widely used of the three services in FY 2013 with 97% of the participants receiving this service at a cost of \$1.4 million (Figure 24).

Figure 12. Medicaid Expenditures for Autism Waiver Participants, by Expenditure Category

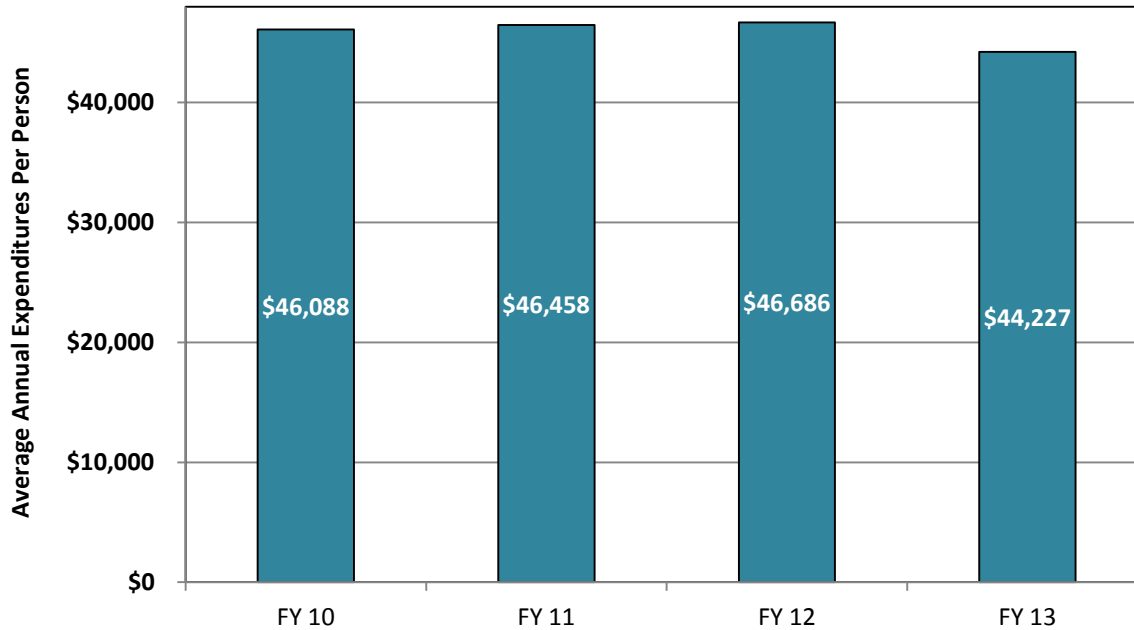
	FY 10	Percentage	FY 11	Percentage	FY 12	Percentage	FY 13	Percentage
Waiver Expenditures	\$29,726,290	72%	\$30,404,911	73%	\$30,771,310	73%	\$29,106,648	72%
Non-Waiver Expenditures	\$11,522,745	28%	\$11,406,927	27%	\$11,163,799	27%	\$11,125,371	28%
Total Expenditures	\$41,249,035	100%	\$41,811,838	100%	\$41,935,109	100%	\$40,232,019	100%

Note: Does not include administrative costs.

Source: DSS

While there was a slight decrease from FY 2012 to FY 2013, total Medicaid expenditures for Autism Waiver participants have remained relatively stable since FY 2010. Medicaid expenditures for waiver services, which comprised 72% of the total Autism Waiver expenditures, totaled \$29.1 million in FY 2013, down slightly from \$30.8 million in FY 2012. Non-waiver expenditures decreased slightly (less than 1%) from FY 2012 to FY 2013.

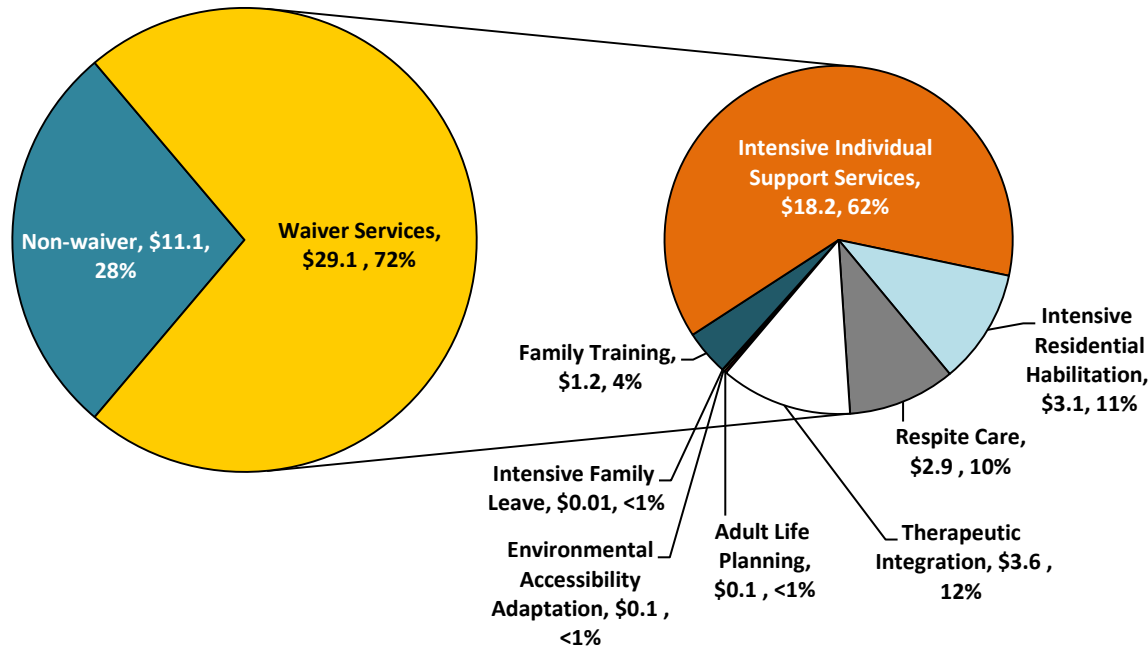
Figure 13. Average Annual Medicaid Expenditures per Person for Autism Waiver Participants



Source: DSS

Average annual per person total Medicaid expenditures dropped slightly from \$46,686 in FY 2012 to \$44,227 in FY 2013.

Figure 14. Distribution of Total Medicaid Expenditures for Autism Waiver Participants, FY 2013



At \$18.2 million in FY 2013, intensive individual support services accounted for the largest percentage of Medicaid waiver expenditures. Together, intensive family leave, environmental adaptations, and adult life planning services totaled less than 1% of the waiver expenditures.

Source: DSS

Figure 15. Use of Environmental Accessibility Adaptation Services by Autism Waiver Participants, by Age Group

Environmental Accessibility Adaptation Services												
	FY 10			FY 11			FY 12			FY 13		
Age Group	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User
0 to 5	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
6 to 15	52	\$49,861	\$959	49	\$47,159	\$962	23	\$18,307	\$796	25	\$23,264	\$931
16 to 21	23	\$25,513	\$1,109	17	\$17,058	\$1,003	23	\$27,757	\$1,207	29	\$36,117	\$1,245
All Ages	75	\$75,374	\$1,005	66	\$64,217	\$973	46	\$46,065	\$1,001	54	\$59,381	\$1,100

Source: DSS

Medicaid expenditures for environmental accessibility adaptation services totaled \$59,381 in FY 2013, a 29% increase from the previous fiscal year. The number of service users also increased from FY 2012 to FY 2013 with the largest number of users in FY 2013 being 16 to 21 years of age. Waiver participants in this age group also had the highest per person cost at \$1,245.

Figure 16. Use of Family Training Services by Autism Waiver Participants, by Age Group

Family Training												
	FY 10			FY 11			FY 12			FY 13		
Age Group	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User
0 to 5	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
6 to 10	107	\$230,502	\$2,154	80	\$151,986	\$1,900	44	\$81,288	\$1,847	18	\$31,378	\$1,743
11 to 15	367	\$852,333	\$2,322	377	\$691,872	\$1,835	367	\$695,372	\$1,895	382	\$636,951	\$1,667
16 to 22	262	\$542,841	\$2,072	281	\$430,999	\$1,534	320	\$567,033	\$1,772	345	\$553,556	\$1,605
All Ages	736	\$1,625,676	\$2,209	738	\$1,274,375	\$1,727	731	\$1,343,693	\$1,838	745	\$1,221,886	\$1,640

Source: DSS

Total Medicaid expenditures for family training services were \$1.2 million in FY 2013, down 9% from the previous fiscal year. The number of Autism Waiver participants utilizing this service increased by 14 from FY 2012 to FY 2013. Average per person expenditures in FY 2013 were \$1,640, with the 6 to 10 year-old age group having the highest per person cost at \$1,743.

Figure 17. Use of Intensive Individual Support Services by Autism Waiver Participants, by Age Group

Intensive Individual Support Services												
Age Group	FY 10			FY 11			FY 12			FY 13		
	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User
0 to 5	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
6 to 10	119	\$2,302,200	\$19,346	84	\$1,655,935	\$19,714	45	\$747,880	\$16,620	18	\$238,543	\$13,252
11 to 15	407	\$9,087,810	\$22,329	431	\$9,395,630	\$21,800	419	\$9,278,309	\$22,144	421	\$8,632,069	\$20,504
16 to 22	308	\$6,939,527	\$22,531	335	\$7,719,810	\$23,044	392	\$8,883,761	\$22,663	419	\$9,311,164	\$22,222
All Ages	834	\$18,329,537	\$21,978	850	\$18,771,375	\$22,084	856	\$18,909,950	\$22,091	858	\$18,181,777	\$21,191

Source: DSS

Intensive individual support services were widely used by Autism Waiver participants, with the number of users increasing in each of the four reporting years. In FY 2013, 858 (94%) of the 910 waiver participants utilized this service at a cost of \$18.2 million. On average, FY 2013 per person expenditures for this service were \$21,191. Autism Waiver participants aged 16 to 22 had the highest per person expenditures at \$22,222.

Figure 18. Use of Intensive Residential Habilitation Services by Autism Waiver Participants, by Age Group

Intensive Residential Habilitation												
	FY 10			FY 11			FY 12			FY 13		
Age Group	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User
0 to 5	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
6 to 10	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
11 to 21	31	\$3,545,619	\$114,375	31	\$3,576,478	\$115,370	27	\$3,362,532	\$124,538	25	\$3,107,800	\$124,312
All Ages	31	\$3,545,619	\$114,375	31	\$3,576,478	\$115,370	27	\$3,362,532	\$124,538	25	\$3,107,800	\$124,312

Source: DSS

The number of Autism Waiver participants receiving intensive residential habilitation services declined slightly in each of the last three reporting periods. Also noted was a corresponding decrease in expenditures for this service. In FY 2013, service expenditures were approximately \$3.1 million, down from \$3.4 million in FY 2012. On average, Medicaid paid \$124,312 per person for users of this service.

Figure 19. Use of Intensive Family Leave Services by Autism Waiver Participants, by Age Group

	Intensive Family Leave											
	FY 10			FY 11			FY 12			FY 13		
Age Group	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User
0 to 5	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
6 to 10	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
11 to 21	0	0	0	10	\$33,794	\$3,379	8	38,018	\$4,752	*	\$8,448	*
All Ages	0	0	0	10	\$33,794	\$3,379	8	\$38,018	\$4,752	*	\$8,448	*

Source: DSS

* Due to HIPAA requirements, counties with fewer than seven registrants have been redacted to prevent inadvertent disclosure.

The use of intensive family leave services has gradually decreased since FY 2011, with a sharp decrease noted in both the number of users and expenditures in FY 2013.

Figure 20. Use of Respite Care Services by Autism Waiver Participants, by Age Group

Respite Care												
	FY 10			FY 11			FY 12			FY 13		
Age Group	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User
0 to 5	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
6 to 10	103	\$339,883	\$3,300	74	\$248,110	\$3,353	39	\$108,568	\$2,784	14	\$35,031	\$2,502
11 to 15	374	\$1,366,317	\$3,653	382	\$1,343,957	\$3,518	375	\$1,423,201	\$3,795	378	\$1,334,614	\$3,531
16 to 22	278	\$1,108,874	\$3,989	314	\$1,194,470	\$3,804	353	\$1,441,099	\$4,082	391	\$1,532,589	\$3,920
All Ages	755	\$2,815,074	\$3,729	770	\$2,786,537	\$3,619	767	\$2,972,867	\$3,876	783	\$2,902,234	\$3,707

Source: DSS

The number of Autism Waiver participants using respite care services decreased slightly from FY 2012 to FY 2013. Total expenditures and average per person expenditures also decreased during this period. FY 2013 expenditures totaled \$2.9 million or an average of \$3,707 per person. FY 2013 waiver participants aged 16 to 22 had the highest per person expenditures at \$3,920.

Figure 21. Use of Therapeutic Integration Services by Autism Waiver Participants, by Age Group

Therapeutic Integration Services												
	FY 10			FY 11			FY 12			FY 13		
Age Group	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User
0 to 5	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
6 to 10	46	\$315,907	\$6,868	35	\$288,385	\$8,240	19	\$133,770	\$7,041	9	\$38,005	\$4,223
11 to 15	189	\$1,685,567	\$8,918	207	\$1,895,222	\$9,156	213	\$1,977,100	\$9,282	207	\$1,653,884	\$7,990
16 to 22	134	\$1,321,718	\$9,864	164	\$1,683,510	\$10,292	185	\$1,921,789	\$10,388	201	\$1,866,326	\$9,285
Total	369	\$3,323,192	\$9,006	406	\$3,867,117	\$9,525	417	\$4,032,660	\$9,671	417	\$3,558,214	\$8,533

Source: DSS

Forty-six percent of the Autism Waiver participants used therapeutic integration services in FY 2013 at a cost of \$3.6 million. In FY 2013, on average, Medicaid paid \$8,533 per person to provide this service, with participants aged 16 to 22 having the highest per person expenditures at \$9,285.

Figure 22. Use of Adult Life Planning Services by Autism Waiver Participants, by Age Group

Adult Life Planning												
	FY 10			FY 11			FY 12			FY 13		
Age Group	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User	Users	Expenditures	Expenditures Per User
16 to 21	13	\$5,636	\$434	52	\$25,602	\$492	82	\$51,515	\$628	111	\$64,909	\$585
Total	13	\$5,636	\$434	52	\$25,602	\$492	82	\$51,515	\$628	111	\$64,909	\$585

Source: DSS

The number of users and expenditures for adult life planning services, implemented in FY 2010, continued to increase. This service supports Autism Waiver participants aged 16 to 21 years as they transition from autism waiver services to the adult service delivery system. Since its implementation, the number of users has increased eight-fold from 13 to 111, while expenditures increased more than 11-fold.

Figure 23. Medicaid Non-Waiver Expenditures for Autism Waiver Participants

Service Category	FY 10	FY 11	FY 12	FY 13
Dental	\$95,917	\$104,518	\$119,053	\$95,359
DME/DMS	\$42,737	\$72,346	\$90,359	\$56,551
Emergency Room	\$1,618	\$2,148	\$1,887	\$4,371
EPSDT Therapeutic Nursery	\$78,179	\$94,892	\$70,563	\$46,145
Home Health/Personal Care	\$85,405	\$132,807	\$119,787	\$185,376
IEP/IFSP School Health Related	\$811,420	\$804,650	\$737,525	\$818,500
Inpatient	\$696,971	\$452,575	\$501,595	\$602,442
MCO Capitation Payments*	\$4,390,572	\$4,727,862	\$4,513,745	\$4,242,279
Medicare Crossover	\$332	\$874	\$7,296	\$4,717
Medications**	\$1,616,618	\$1,470,034	\$1,464,334	\$1,463,359
Mental Health	\$24,712	\$3,273	\$8,001	\$9,420
Other***	\$64,700	\$61,166	\$62,467	\$104,496
Outpatient	\$618,886	\$549,805	\$579,258	\$590,783
Pharmacy	\$1,274,477	\$1,181,290	\$1,232,042	\$1,187,038
Transportation	\$58,775	\$63,788	\$61,363	\$56,388
Waiver Coordination	\$1,661,425	\$1,684,900	\$1,594,525	\$1,658,150
Total	\$11,522,745	\$11,406,927	\$11,163,799	\$11,125,371

Non-waiver expenditures ranged from \$11.5 million to \$11.1 million from FY 2010 to FY 2013. MCO capitation payments, waiver coordination services, medications, and pharmacy services were the most costly of the non-waiver services in each of the study years.

* “MCO capitation payments” are fixed monthly amounts paid to MCOs to provide services to enrolled Medicaid participants. Capitation payments are based on actuarial projections of medical utilization. MCOs are required to provide all covered, medically necessary Medicaid services within that capitated amount.

** Medications received from a source other than a pharmacy (i.e., inpatient hospitalization, clinic).

*** “Other” includes Medicaid non-waiver services other than those listed above and those provided under the waiver that are paid by Medicaid on behalf of Medicaid waiver participants.

Source: DSS

Figure 24. Use of Medicaid Waiver Service Coordination for Autism Waiver Participants

Autism Waiver Service Coordination												
	FY 10	Users	Average Per Person	FY 11	Users	Average Per Person	FY 12	Users	Average Per Person	FY 13	Users	Average Per Person
Initial Assessment	\$16,500	33	\$500	\$19,500	39	\$500	\$16,500	33	\$500	\$26,500	53	\$500
Ongoing Assessment	\$1,397,700	877	\$1,594	\$1,433,850	885	\$1,620	\$1,353,900	885	\$1,530	\$1,418,250	886	\$1,601
Reassessment	\$247,225	740	\$334	\$231,550	701	\$330	\$224,125	694	\$323	\$213,400	711	\$300
Total	\$1,661,425			\$1,684,900			\$1,594,525			\$1,658,150		

Source: DSS

Waiver coordination services were provided at a total cost of \$1.7 million in FY 2013. Monthly ongoing assessment services were provided to 97% of the FY 2013 waiver participants and accounted for 86% of all waiver service coordination expenditures.

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