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The Hilltop Institute

Medicaid Long-Term Services and Supports in Maryland: The Brain Injury Waiver

FY 2014 to FY 2019

The Brain Injury (BI) Waiver provides services to individuals aged 22 or older with a brain injury diagnosis who require specialty hospital or nursing facility level of care to be supported in their own homes or community-based setting. Each year, the Maryland Department of Health strives to serve an additional ten participants through the BI Waiver.

Number of Unduplicated Enrolled Participants

The number of BI Waiver participants increased from 75 in FY 2014 to 113 in FY 2019, an increase of 50.7%. Males continued to account for approximately 80% of the participants. From FY 2014 to FY 2019, the percentage of minority participants increased from 38.7% to 46.9%, and the percentage of those aged 51 and older increased from 45.3% to 52.2%.

Demographics	FY 2014		FY 2019	
	Frequency (N =75)	Percentage (%)	Frequency (N=113)	Percentage (%)
Sex				
Female	15	20.0%	20	17.7%
Male	60	80.0%	93	82.3%
Race				
Black/Hispanic/Unknown*	29	38.7%	53	46.9%
White	46	61.3%	60	53.1%
Age Group				
22 to 50 years old	41	54.7%	54	47.8%
51 years and older	34	45.3%	59	52.2%

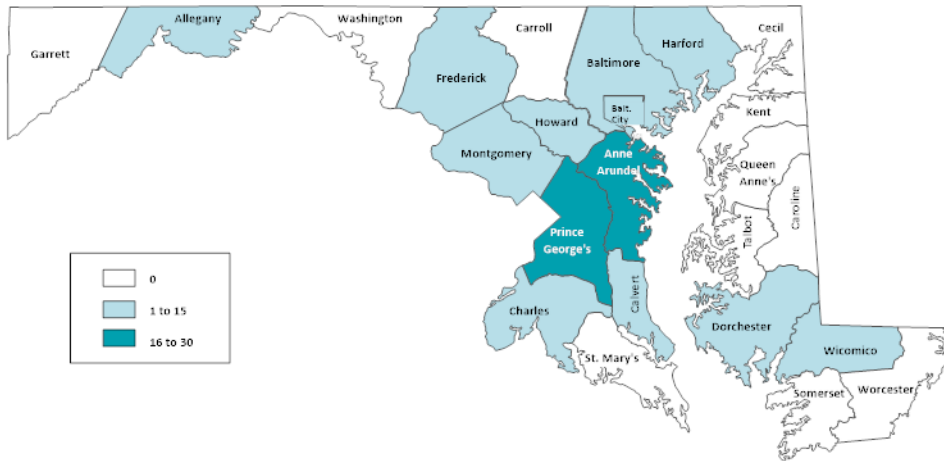
* These three groups were combined due to the small number of participants.

Waiver Participant Summary

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Total Number of Participants	75	85	91	102	106	113
Average Annual Medicaid Expenditures	\$104,500	\$112,204	\$117,497	\$108,029	\$113,380	\$120,944
Average Age at Fiscal Year's End	46.2	47.4	48.7	49.0	49.5	49.3
Average Waiver Span in Years	3.5	3.6	4.0	4.0	4.4	4.9
Number of Participants Newly Enrolled	19	19	10	20	17	12
Average Age at Time of Enrollment	42.3	43.4	44.2	44.5	44.8	43.9
Number of Participants Disenrolled	6	4	5	9	5	8
Average Age at Time of Disenrollment	48.0	46.3	53.2	48.1	53.4	57.1

The average annual per-person Medicaid expenditure increased from \$104,500 in FY 2014 to \$120,944 in FY 2019. During the same time period, the average waiver span in years increased from 3.5 to 4.9 years.

Brain Injury Waiver Participants, by County, FY 2019

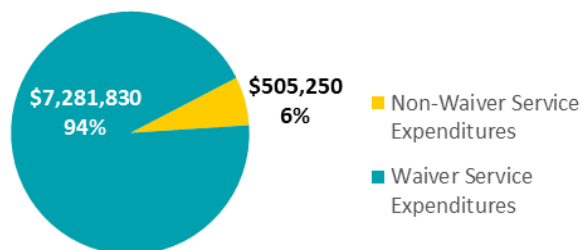


In FY 2019, the largest number of BI Waiver participants receiving waiver services resided in Anne Arundel and Prince George's Counties. Eleven counties had zero participants.

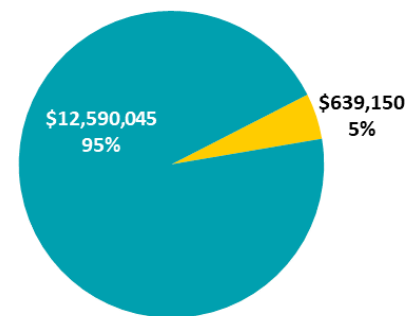
Medicaid Waiver & Non-Waiver Expenditures

The total Medicaid expenditures for BI Waiver participants increased 69.9% during the study period: from \$7.8 (FY 2014) to \$13.2 (FY 2019) million. At 94% and 95%, respectively, the percentage of waiver expenditures was consistent in FYs 2014 and 2019.

Total Medicaid Expenditures, FY 2014
\$7,787,080



Total Medicaid Expenditures, FY 2019
\$13,229,195



Use of Waiver Services

	FY 2014		FY 2019	
	Service Users	Payments	Service Users	Payments
Total	74	\$7,280,830	111	\$12,590,045
BI Residential Habilitation Level 2	59	\$4,455,725	79	\$7,310,299
BI Residential Habilitation Level 3	*	\$1,408,203	25	\$2,489,933
BI Day Habilitation Waiver Level 2	56	\$866,190	83	\$1,662,035
BI Day Habilitation Waiver Level 3	23	\$420,674	35	\$790,841
BI Individual Support Services	*	\$59,288	*	\$200,276
BI Supported Employment Waiver Level 3	*	\$60,704	*	\$46,282
BI Day Habilitation Waiver Level 1	*	\$11,047	*	\$11,006
BI Residential Habilitation Level 1	0	\$0	*	\$77,278
BI Supported Employment Waiver Level 2	0	\$0	*	\$2,296

Expenditures for BI residential habilitation level 2 accounted for the largest expenditures for both FYs 2014 and 2019 (\$4.5 and \$7.3 million, respectively).

*Cell values less than 11 have been suppressed.