



**The Hilltop Institute**

**The Maryland Medicaid  
Dental Program:  
CY 2015 to CY 2019**

**A Chart Book**

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*Prepared for the  
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**UMBC**

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# **Chapter 1.**

## **Overview of the Maryland Medicaid Dental Program**

# Chapter 1. Overview of the Maryland Medicaid Dental Program

## Maryland Medicaid Dental Program

*The Maryland Medicaid Dental Program Chart Book* outlines the demographics and service utilization for individuals enrolled in the Maryland Medicaid Dental Program. This chart book provides information about program participants who received services in calendar year (CY) 2015 through CY 2019.

## Program Eligibility

Individuals who qualify for dental services include those enrolled in Medicaid fee-for-service (FFS) or a HealthChoice managed care organization (MCO). Non-pregnant adults may receive limited dental benefits as an additional benefit of their MCO. The study population excludes participants who are not eligible for the dental benefit, including undocumented immigrants and Family Planning Program participants.

## Key Findings

### Maryland Medicaid Dental Program Participants' Service Utilization by Children

Rates of dental visits increased across all age groups of children aged 0 to 20 who were enrolled in Medicaid between CY 2015 and CY 2019.

Among participants aged 4 to 20 years, the Washington Suburban region had the highest dental utilization rate at 74.3% in CY 2019.

Less than 1% of children aged 0 to 20 years had emergency department (ED) visits with a dental diagnosis or procedure in CY 2019. Enrollees aged 6 to 9 years demonstrated the highest rates of preventive/diagnostic dental visits in CY 2019, while enrollees aged 0 to 3 demonstrated the lowest utilization rates of these services. Enrollees aged 6 to 9 years received the highest rates of preventive/diagnostic services, followed by restorative services.

### Maryland Medicaid Dental Program Participants' Service Utilization by Pregnant Women and Adults

The percentage of pregnant women aged 14 years or older who had dental visits increased from 27.3% in CY 2015 to 28.5% in CY 2019. The percentage of pregnant women aged 21 years or older who had dental visits increased from 27.3% in CY 2015 to 28.8% in CY 2019.

The percentage of non-pregnant adults (women aged 21 to 64) with 90 or more days in HealthChoice who received dental services increased from CY 2015 to CY 2019. Non-pregnant adults aged 21 to 39 had a higher percentage of at least one dental visit than those aged 40 to 64 in CY 2019.

### Maryland Medicaid Dental Program Participants' Service Utilization by Former Foster Care and REM Participants

The percentage of former foster care participants with any period of enrollment who received dental services increased from CY 2017 to CY 2019. Rates of dental visits for Rare and Expensive Case Management (REM) participants with any period of enrollment increased from 53.3% in CY 2015 to 56.6% in CY 2019.

# Chapter 1. Overview of the Maryland Medicaid Dental Program continued

## Chart Book Organization

The data in this chart book are presented in seven sections:

**Dental Visits for Children:** This section includes data on children enrolled in FFS Medicaid or a full-benefit HealthChoice MCO who received Medicaid dental services during each calendar year.

**ED Visits with Dental Diagnoses/Procedures for Children:** This section includes data on children aged 0 to 20 enrolled in Medicaid who had a dental diagnosis or procedure during an ED visit for any period during the measurement year.

**Dental Visits for Pregnant Women:** This section includes data on pregnant women aged 14 years and older—and pregnant women aged 21 years and older—who utilized Medicaid dental services.

**Dental Visits for Non-Pregnant Adults:** This section includes data on non-pregnant adults (women aged 21 through 64 years) who were enrolled in a HealthChoice MCO for at least 90 days during the calendar year and had at least one dental visit or received dental services.

**Dental Providers and Access:** This section includes data on dental providers participating in Medicaid by region who

have billed one or more services or have billed \$10,000 or more for services.

**Dental Services for Former Foster Care Participants:** This section includes data on former foster care children up to the age of 26 who were enrolled in FFS Medicaid or a full-benefit HealthChoice MCO who received dental services during each calendar year.

**Dental Visits for REM Participants:** This section includes data on REM participants aged 4 through 64 years who were enrolled in FFS Medicaid and received dental services during each calendar year.

## Data Sources

The information in this chart book was derived from Medicaid FFS claims and HealthChoice MCO encounter data that were updated as of June 2021.

Dental-related ED visits were identified using the International Classification of Diseases-9<sup>th</sup> edition-Clinical Modification, (ICD-9-CM) diagnosis; International Classification of Diseases-10<sup>th</sup> edition-Clinical Modification (ICD-10-CM) diagnosis; and Current Procedural Terminology (CPT) codes.

# **Chapter 2.**

## **Dental Visits for Children**

**Figure 1. Number of Children Aged 4–20 Years Enrolled in Medicaid\* for at Least 320 Days Who Received Dental Services, CY 2015–CY 2019**

Calendar Year	Total Number of Enrollees	Enrollees Receiving One or More Dental Services	Percentage Receiving Service
<b>2015</b>	404,118	278,796	69.0%
<b>2016</b>	440,100	301,367	68.5%
<b>2017</b>	464,585	316,294	68.1%
<b>2018</b>	469,413	324,252	69.1%
<b>2019</b>	477,768	331,485	69.4%

Overall, the rate of children aged 4 to 20 years enrolled in Medicaid for at least 320 days receiving dental services remained stable between CY 2015 and CY 2019.

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland's Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).

**Figure 2. Number of Children Aged 0–20 Years Enrolled in Medicaid\* for Any Period, CY 2015–CY 2019**

Age Group (Years)	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
0–3	158,166	156,936	158,892	157,255	153,896
4–5	75,907	73,610	74,865	75,975	76,489
6–9	154,389	150,612	151,770	150,116	147,199
10–14	158,609	160,418	170,502	178,433	182,719
15–18	113,844	112,581	116,825	119,351	120,250
19–20	48,754	47,948	50,855	52,464	52,575
<b>Total</b>	<b>709,669</b>	<b>702,105</b>	<b>723,709</b>	<b>733,594</b>	<b>733,128</b>

The total number of children aged 0 to 20 years enrolled in Medicaid for any period increased by 3.3% between CY 2015 and CY 2019.

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland's Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).



**Figure 3. Percentage of Children Aged 0–20 Years Enrolled in Medicaid\* for Any Period Who Had at Least One Dental Visit, by Age Group, CY 2015–CY 2019**

Age Group (Years)	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
<b>0–3</b>	28.9%	30.0%	30.3%	30.8%	32.0%
<b>4–5</b>	64.7%	66.3%	65.8%	65.6%	66.6%
<b>6–9</b>	68.0%	69.1%	69.2%	69.6%	70.7%
<b>10–14</b>	62.8%	64.7%	65.6%	66.2%	67.0%
<b>15–18</b>	51.6%	54.3%	55.6%	56.5%	57.3%
<b>19–20</b>	34.0%	36.7%	37.3%	37.8%	38.9%
<b>Total</b>	<b>52.8%</b>	<b>54.5%</b>	<b>55.0%</b>	<b>55.6%</b>	<b>56.7%</b>

The percentage of children aged 0 to 20 years enrolled in Medicaid for any period who had at least one dental visit increased across all age groups between CY 2015 and CY 2019.

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland’s Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).

**Figure 4. Number and Percentage of Children Aged 4–20 Years Enrolled in Medicaid\* for 320 Days Who Had Dental Services, by Region, CY 2019**

Region**	Number of Enrollees	Number with at Least One Visit	Percentage with Dental Visits
Baltimore City	75,738	48,586	64.2%
Baltimore Suburban	141,475	96,337	68.1%
Eastern Shore	43,928	30,984	70.5%
Out of State	233	112	48.1%
Southern Maryland	22,677	13,948	61.5%
Washington Suburban	155,445	115,431	74.3%
Western Maryland	38,272	26,087	68.2%
<b>Total</b>	<b>477,768</b>	<b>331,485</b>	<b>69.4%</b>

Children aged 4 to 20 years in different regions of Maryland showed variance in their utilization of dental services. Out-of-state participants had the lowest utilization rate at 48.1%, while Washington Suburban participants had the highest utilization rate at 74.3%.

\*The study population for CY 2019 includes all qualifying individuals in Maryland’s Medical Assistance program (both FFS and HealthChoice MCO enrollees). The following coverage groups were excluded from the analysis: X02, W01, and P10.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary’s Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne’s, Somerset, Talbot, Wicomico, and Worcester Counties. Prince George’s and Montgomery: Prince’s George and Montgomery Counties.

# **Chapter 3. ED Visits with Dental Diagnoses and Procedures for Children**

**Figure 5. Number of ED Visits with a Dental Diagnosis or Procedure by Children Aged 0–20 Years Enrolled in Medicaid\* for Any Period, CY 2015–CY 2019**

Calendar Year	Total Number of Enrollees	Number of Enrollees who had an ED Visit with a Dental Diagnosis	Number of ED Visits with a Dental Diagnosis
<b>2015</b>	709,669	2,642	5,547
<b>2016</b>	702,105	2,741	5,090
<b>2017</b>	723,709	2,655	4,845
<b>2018</b>	733,594	2,548	4,741
<b>2019</b>	733,128	2,388	4,390

The number of ED visits with a dental diagnosis by children aged 0 to 20 years enrolled in Medicaid for any period decreased throughout the evaluation period.

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland’s Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).

**Figure 6. Number and Percentage of Children Aged 0–20 Years Enrolled in Medicaid\* for Any Period Who Received a Preventive/Diagnostic Visit Followed by a Restorative Visit, CY 2015–CY 2019**

Calendar Year	Total Number of Enrollees	Number with Preventive/Diagnostic Visit	Percentage with Preventive/Diagnostic Visit	Number with Preventive/Diagnostic Visit Followed by a Restorative Visit	Percentage with Preventive/Diagnostic Visit Followed by a Restorative Visit
<b>2015</b>	709,669	369,645	52.1%	109,614	29.7%
<b>2016</b>	702,105	377,058	53.7%	109,048	28.9%
<b>2017</b>	723,709	391,897	54.2%	114,089	29.1%
<b>2018</b>	733,594	401,370	54.7%	114,312	28.5%
<b>2019</b>	733,128	408,862	55.8%	115,813	28.3%

The percentage of children aged 0 to 20 years enrolled in Medicaid for any period who received a preventive/diagnostic visit increased from CY 2015 to CY 2019. When followed by a restorative visit, the rate decreased during the evaluation period.

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland’s Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).

**Figure 7. Percentage of Children Aged 4–20 Years Enrolled in Medicaid\* for at Least 320 Days Who Received Dental Services, by Type of Service, CY 2015–CY 2019**

Calendar Year	Percentage with Diagnostic Service	Percentage with Preventive Service	Percentage with Restorative Service
<b>2015</b>	67.6%	64.0%	24.0%
<b>2016</b>	67.0%	63.4%	23.2%
<b>2017</b>	66.5%	62.9%	23.2%
<b>2018</b>	67.4%	63.6%	22.9%
<b>2019</b>	67.7%	63.8%	23.0%

Across all calendar years, diagnostic services were the most utilized type of dental service by children aged 4 to 20 years enrolled in Medicaid for at least 320 days. Restorative services were the least utilized.

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland's Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).

**Figure 8. Number and Percentage of Children Aged 4–20 Years Enrolled in Medicaid\* for 320 Days Who Had Dental Visits, by Age Group and Type of Service, CY 2019**

Age Group (Years)	Total Number of Enrollees	Number with any service	Percentage with Any Service	Number with Diagnostic Service	Percentage with Diagnostic Service	Number with Preventative Service	Percentage with Preventative Service	Number with Restorative Service	Percentage with Restorative Service
<b>04–05</b>	63,335	46,173	72.9%	45,704	72.2%	43,161	68.1%	12,695	20.0%
<b>06–09</b>	123,522	94,394	76.4%	92,986	75.3%	88,346	71.5%	34,503	27.9%
<b>10–14</b>	154,196	111,806	72.5%	109,241	70.8%	104,071	67.5%	34,013	22.1%
<b>15–18</b>	99,270	62,401	62.9%	59,488	59.9%	55,394	55.8%	22,192	22.4%
<b>19– 20</b>	37,445	16,711	44.6%	15,806	42.2%	14,035	37.5%	6,250	16.7%
<b>Total</b>	<b>477,768</b>	<b>331,485</b>	<b>69.4%</b>	<b>323,225</b>	<b>67.7%</b>	<b>305,007</b>	<b>63.8%</b>	<b>109,653</b>	<b>23.0%</b>

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland’s Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).

Children aged 6 to 9 years had the highest percentage of utilization across all dental services in CY 2019, while children aged 19 to 20 demonstrated the lowest utilization rates of all dental services.

**Figure 9. Number and Percentage of Children Aged 0–20 Years Enrolled in Medicaid\* for Any Period Who Had Preventive/Diagnostic Visits Followed by Restorative Visits, by Age Group, CY 2019**

Age Group (Years)	Total Number of Enrollees	Number with Any Service	Number with Prev. or Diag. Service	Percentage with Preventive/Diagnostic Visit	Number with Preventive/Diagnostic Service Followed by Restorative Service	Percentage with Preventive/Diagnostic Service Followed by Restorative Service
0–3	153,896	49,299	49,215	32.0%	3,363	2.2%
4–5	76,489	50,948	50,714	66.3%	13,060	17.1%
6–9	147,199	104,078	103,400	70.2%	35,206	23.9%
10–14	182,719	122,348	120,249	65.8%	34,730	19.0%
15–18	120,250	68,892	65,898	54.8%	22,573	18.8%
19–20	52,575	20,445	19,386	36.9%	6,881	13.1%
<b>Total</b>	<b>733,128</b>	<b>416,010</b>	<b>408,862</b>	<b>55.8%</b>	<b>115,813</b>	<b>15.8%</b>

The percentage of children aged 0 to 20 years who received a follow-up restorative service after a preventive or diagnostic visit varied across age groups.

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland's Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).



# **Chapter 4.**

## **Dental Visits for Pregnant Women**

**Figure 10. Number and Percentage of Pregnant Women Aged 14+ Years Enrolled in Medicaid\* for Any Period Who Had Dental Visits, CY 2015–CY 2019**

Calendar Year	Total Number of Enrollees	Number of Enrollees with at Least One Visit	Percentage with Dental Visits
<b>2015</b>	32,015	8,732	27.3%
<b>2016</b>	34,275	8,883	25.9%
<b>2017</b>	33,707	9,136	27.1%
<b>2018</b>	32,718	9,146	28.0%
<b>2019</b>	33,961	9,675	28.5%

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland’s Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).

The percentage of pregnant women aged 14 or older enrolled in Medicaid with at least one dental visit varied during the evaluation period, with an overall increase of 1.2 percentage points.

More than a quarter of pregnant women aged 14 or older enrolled in Medicaid had a dental visit in CY 2019.

**Figure 11. Number and Percentage of Pregnant Women Aged 21+ Years with at Least 90 Days in Medicaid\* Who Had Dental Services, CY 2015–CY 2019**

Calendar Year	Total Number of Enrollees	Number of Enrollees with at Least One Visit	Percentage with Dental Visits
<b>2015</b>	26,795	7,324	27.3%
<b>2016</b>	29,014	7,562	26.1%
<b>2017</b>	29,111	7,981	27.4%
<b>2018</b>	28,259	7,979	28.2%
<b>2019</b>	28,939	8,346	28.8%

\*The study population for CY 2015 through CY 2019 includes all qualifying individuals in Maryland's Medical Assistance program (both FFS and HealthChoice MCO enrollees). The study population excludes participants who are not eligible for the dental benefit (e.g., undocumented immigrants and those enrolled in the Family Planning program).

Overall, the total number of pregnant enrollees aged 21 years or older increased between CY 2015 and CY 2017 but declined slightly between CY 2017 and 2019.

More than a quarter of pregnant women aged 21 years or older who had been enrolled in Medicaid for at least 90 days utilized dental services in CY 2019.

# **Chapter 5.**

## **Dental Visits for Non-Pregnant Adults**

**Figure 12. Number and Percentage of Non-Pregnant Adults Aged 21–64 Years with 90+ Days in HealthChoice\* Who Received Dental Services, CY 2015–CY 2019**

Calendar Year	Total Number of Enrollees	Number of Enrollees with at Least One Visit	Percentage with Dental Visits
<b>2015</b>	533,689	72,556	13.6%
<b>2016</b>	521,954	72,318	13.9%
<b>2017</b>	569,948	85,323	15.0%
<b>2018</b>	591,603	86,947	14.7%
<b>2019</b>	579,853	93,988	16.2%

Overall, the percentage of non-pregnant adults receiving dental services increased by 2.6 percentage points between CY 2015 and CY 2019.

\*The following coverage groups were excluded from the analysis: X02, W01, and P10.

**Figure 13. Number and Percentage of Non-Pregnant Adults Aged 21–64 Years with 90+ Days in HealthChoice\* Who Had at Least One Dental Visit, by Age Group, CY 2019**

Age Group	Number of Enrollees	Number of Enrollees with at Least One Visit	Percentage with Dental Visits
<b>21 - 39</b>	320,093	54,132	16.9%
<b>40 - 64</b>	259,760	39,856	15.3%
<b>Total</b>	<b>579,853</b>	<b>93,988</b>	<b>16.2%</b>

Non-pregnant adults aged 21 to 39 years had a slightly higher percentage of dental visits than those aged 40 to 64 years.

\*The following coverage groups were excluded from the analysis: X02, W01, and P10.

# **Chapter 6.**

## **Dental Providers and Access**

**Figure 14. Number of Dentists Participating in Medicaid Who Billed One or More Services, by Region, CY 2015–CY 2019**

Region*	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
<b>Baltimore Metro</b>	536	538	560	593	628
<b>Montgomery/ Prince George's Co.</b>	564	567	563	582	630
<b>Southern Maryland</b>	54	60	63	66	66
<b>Western Maryland</b>	128	122	145	152	164
<b>Eastern Shore</b>	89	86	97	100	98
<b>Other</b>	182	167	197	219	215
<b>Total**</b>	<b>1,464</b>	<b>1,540</b>	<b>1,625</b>	<b>1,712</b>	<b>1,801</b>
<b>Unique Total***</b>	<b>1,470</b>	<b>1,467</b>	<b>1,600</b>	<b>1,596</b>	<b>1,694</b>

Overall, there was an increase in the number of dentists participating in Medicaid who billed one or more services between CY 2015 and CY 2019.

\*Baltimore Metro includes Baltimore City and Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland includes Calvert, Charles, and St. Mary's Counties. Western Maryland includes Allegany, Frederick, Garrett, and Washington Counties. The Eastern Shore includes Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties.

\*\* Please note that the total is the sum of all regions.

\*\*\* Please note that the unique total does not equal the sum of all regions because an individual dentist may have offices in multiple regions. The unique total reflects the number of unique dentists unduplicated statewide. This unique total also includes out-of-state dentists who served Maryland Medicaid enrollees.



**Figure 15. Number of Dentists Participating in Medicaid Who Billed \$10,000 or More for Services, by Region, CY 2015–CY 2019**

Region*	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
<b>Baltimore Metro</b>	422	434	454	458	476
<b>Montgomery/ Prince George's Co.</b>	434	450	472	468	477
<b>Southern Maryland</b>	44	44	53	51	52
<b>Western Maryland</b>	101	98	116	123	124
<b>Eastern Shore</b>	73	73	82	82	79
<b>Other</b>	136	63	79	95	89
<b>Total**</b>	<b>1,137</b>	<b>1,089</b>	<b>1,256</b>	<b>1,277</b>	<b>1,297</b>
<b>Unique Total***</b>	<b>1,092</b>	<b>1,115</b>	<b>1,255</b>	<b>1,221</b>	<b>1,244</b>

Overall, there was an increase in the number of dentists participating in Medicaid who billed at least \$10,000 for services.

\*Baltimore Metro includes Baltimore City and Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland includes Calvert, Charles, and St. Mary's Counties. Western Maryland includes Allegany, Frederick, Garrett, and Washington Counties. The Eastern Shore includes Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties.

\*\* Please note that the total is the sum of all regions.

\*\*\* Please note that the unique total does not equal the sum of all regions because an individual dentist may have offices in multiple regions. The unique total reflects the number of unique dentists unduplicated statewide. This unique total also includes out-of-state dentists who served Maryland Medicaid enrollees.

# **Chapter 7.**

## **Dental Services for Former Foster Care Participants**

**Figure 16. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for 320 Days Who Had Dental Services, by Region, CY 2017–CY 2019**

Region**	CY 2017			CY 2018			CY 2019		
	Total Number of Enrollees	Number with at Least One Visit	Percentage with Dental Visits	Total Number of Enrollees	Number with at Least One Visit	Percentage with Dental Visits	Total Number of Enrollees	Number with at Least One Visit	Percentage with Dental Visits
Baltimore City	563	108	19.2%	540	104	19.3%	415	98	23.6%
Baltimore Suburban	374	88	23.5%	339	86	25.4%	306	84	27.5%
Eastern Shore	90	21	23.3%	70	17	24.3%	76	20	26.3%
Out of State	*	*	*	*	*	*	*	*	*
Southern Maryland	*	*	*	*	*	*	*	*	*
Washington Suburban	173	43	24.9%	161	37	23.0%	154	49	31.8%
Western Maryland	100	23	23.0%	91	22	24.2%	92	21	22.8%
<b>Total</b>	<b>1,333</b>	<b>289</b>	<b>21.7%</b>	<b>1,238</b>	<b>275</b>	<b>22.2%</b>	<b>1,077</b>	<b>279</b>	<b>25.9%</b>

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

Former foster care participants in the Washington Suburban region had the highest dental utilization rate at 24.9% in CY 2017 and 31.8% in CY 2019.

**Figure 17. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for 90 Days Who Had Dental Services, by Region, CY 2017–CY 2019**

Region**	CY 2017			CY 2018			CY 2019		
	Total Number of Enrollees	Number with at Least One Visit	Percentage with Dental Visits	Total Number of Enrollees	Number with at Least One Visit	Percentage with Dental Visits	Total Number of Enrollees	Number with at Least One Visit	Percentage with Dental Visits
Baltimore City	683	127	18.6%	645	115	17.8%	528	109	20.6%
Baltimore Suburban	418	92	22.0%	408	97	23.8%	396	96	24.2%
Eastern Shore	101	20	19.8%	89	18	20.2%	86	24	27.9%
Out of State	*	*	*	*	*	*	*	*	*
Southern Maryland	*	*	*	*	*	*	*	*	*
Washington Suburban	193	46	23.8%	196	43	21.9%	208	53	25.5%
Western Maryland	122	25	20.5%	123	25	20.3%	116	24	20.7%
<b>Total</b>	<b>1,555</b>	<b>316</b>	<b>20.3%</b>	<b>1,504</b>	<b>308</b>	<b>20.5%</b>	<b>1,377</b>	<b>314</b>	<b>22.8%</b>

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

The number of former foster care participants enrolled in Medicaid with at least one dental visit remained stable between CY 2017 and CY 2019.

**Figure 18. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had Dental Services, by Region, CY 2017–CY 2019**

Region**	CY 2017			CY 2018			CY 2019		
	Total Number of Enrollees	Number of Enrollees with Any Dental Service	Percentage with Dental Visits	Total Number of Enrollees	Number of Enrollees with Any Dental Service	Percentage with Dental Visits	Total Number of Enrollees	Number of Enrollees with Any Dental Service	Percentage with Dental Visits
Baltimore City	750	129	17.2%	692	118	17.1%	561	113	20.1%
Baltimore Suburban	457	94	20.6%	452	101	22.3%	427	99	23.2%
Eastern Shore	108	21	19.4%	101	19	18.8%	92	24	26.1%
Out of State	*	*	*	*	*	*	*	*	*
Southern Maryland	*	*	*	*	*	*	*	*	*
Washington Suburban	208	47	22.6%	210	45	21.4%	217	54	24.9%
Western Maryland	126	25	19.8%	130	26	20.0%	123	24	19.5%
<b>Total</b>	<b>1,690</b>	<b>323</b>	<b>19.1%</b>	<b>1,631</b>	<b>319</b>	<b>19.6%</b>	<b>1,469</b>	<b>322</b>	<b>21.9%</b>

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

The percentage of former foster care participants enrolled in Medicaid for any period with any dental service increased by 2.8 percentage points from CY 2017 to CY 2019.

**Figure 19. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Receiving Dental Services, by Type of Service and Region, CY 2017**

Region**	Total Number of Enrollees	Number with Diagnostic Service	Percentage with Diagnostic Service	Number with Preventive Service	Percentage with Preventive Service	Number with Restorative Service	Percentage with Restorative Service
Baltimore City	750	122	16.3%	81	10.8%	31	4.1%
Baltimore Suburban	457	90	19.7%	59	12.9%	25	5.5%
Eastern Shore	108	18	16.7%	11	10.2%	*	*
Out of State	*	*	*	*	*	*	*
Southern Maryland	*	*	*	*	*	*	*
Washington Suburban	208	45	21.6%	33	15.9%	15	7.2%
Western Maryland	126	24	19.0%	15	11.9%	*	*
<b>Total</b>	<b>1,690</b>	<b>306</b>	<b>18.1%</b>	<b>205</b>	<b>12.1%</b>	<b>90</b>	<b>5.3%</b>

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

Washington Suburban participants had the highest rate of diagnostic, preventive, and restorative services—at 21.6% ,15.9%, and 7.2%, respectively.

**Figure 20. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Receiving Dental Services, by Type of Service and Region, CY 2018**

Region**	Total Number of Enrollees	Number with Diagnostic Service	Percentage with Diagnostic Service	Number with Preventive Service	Percentage with Preventive Service	Number with Restorative Service	Percentage with Restorative Service
Baltimore City	692	114	16.5%	74	10.7%	40	5.8%
Baltimore Suburban	452	98	21.7%	73	16.2%	35	7.7%
Eastern Shore	*	*	16.8%	*	11.9%	*	4.0%
Out of State	*	*	0.0%	*	0.0%	*	0.0%
Southern Maryland	*	*	22.7%	*	18.2%	*	9.1%
Washington Suburban	210	44	21.0%	35	16.7%	14	6.7%
Western Maryland	*	*	20.0%	*	12.3%	*	4.6%
<b>Total</b>	<b>1,631</b>	<b>309</b>	<b>18.9%</b>	<b>218</b>	<b>13.4%</b>	<b>103</b>	<b>6.3%</b>

Southern Maryland participants had the highest rates of diagnostic, preventive, and restorative services—at 22.7%, 18.2%, and 9.1%, respectively.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 21. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Receiving Dental Services, by Type of Service and Region, CY 2019**

Region**	Total Number of Enrollees	Number with Diagnostic Service	Percentage with Diagnostic Service	Number with Preventive Service	Percentage with Preventive Service	Number with Restorative Service	Percentage with Restorative Service
Baltimore City	561	110	19.6%	77	13.7%	33	5.9%
Baltimore Suburban	427	93	21.8%	70	16.4%	27	6.3%
Eastern Shore	92	24	26.1%	18	19.6%	*	8.7%
Out of State	*	*	0.0%	*	0.0%	*	0.0%
Southern Maryland	*	*	14.6%	*	8.3%	*	8.3%
Washington Suburban	217	49	22.6%	38	17.5%	15	6.9%
Western Maryland	123	23	18.7%	13	10.6%	*	5.7%
<b>Total</b>	<b>1,469</b>	<b>306</b>	<b>20.8%</b>	<b>220</b>	<b>15.0%</b>	<b>94</b>	<b>6.4%</b>

\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

Eastern Shore participants had the highest rates of diagnostic (26.1%) and preventive (19.6%) services in CY 2019.



**Figure 22. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Received a Preventive/Diagnostic Visit Followed by a Restorative Visit, by Region, CY 2017**

Region**	Total Number of Enrollees	Number with Preventive/Diagnostic Visit	Percentage with Preventive/Diagnostic Visit	Number with Preventive/Diagnostic Visit Followed by a Restorative Visit	Percentage with Preventive/Diagnostic Visit Followed by a Restorative Visit
Baltimore City	750	123	16.4%	28	22.8%
Baltimore Suburban	457	90	19.7%	20	22.2%
Eastern Shore	*	*	17.6%	*	21.1%
Out of State	*	*	0.0%	*	0.0%
Southern Maryland	*	*	18.4%	*	57.1%
Washington Suburban	208	45	21.6%	15	33.3%
Western Maryland	*	*	19.0%	*	29.2%
<b>Total</b>	<b>1,690</b>	<b>308</b>	<b>18.2%</b>	<b>78</b>	<b>25.3%</b>

The percentage of former foster care participants enrolled in Medicaid for any period who received a preventive/diagnostic visit followed by a restorative visit varied across regions. Southern Maryland participants had the highest rate at 57.1% in CY 2017.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 23. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Received a Preventive/Diagnostic Visit Followed by a Restorative Visit, by Region, CY 2018**

Region**	Total Number of Enrollees	Number with Preventive/Diagnostic Visit	Percentage with Preventive/Diagnostic Visit	Number with Preventive/Diagnostic Visit Followed by a Restorative Visit	Percentage with Preventive/Diagnostic Visit Followed by a Restorative Visit
Baltimore City	692	114	16.5%	36	31.6%
Baltimore Suburban	452	99	21.9%	33	33.3%
Eastern Shore	*	*	18.8%	*	21.1%
Out of State	*	*	0.0%	*	0.0%
Southern Maryland	*	*	22.7%	*	40.0%
Washington Suburban	210	45	21.4%	13	28.9%
Western Maryland	*	*	20.0%	*	23.1%
<b>Total</b>	<b>1,631</b>	<b>313</b>	<b>19.2%</b>	<b>96</b>	<b>30.7%</b>

The percentage of former foster care participants enrolled in Medicaid for any period who received a preventive/diagnostic visit followed by a restorative visit varied across regions. Southern Maryland participants had the highest rate at 40.0% in CY 2018.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 24. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Received a Preventive/Diagnostic Visit Followed by a Restorative Visit, by Region, CY 2019**

Region**	Total Number of Enrollees	Number with Preventive/Diagnostic Visit	Percentage with Preventive/Diagnostic Visit	Number with Preventive/Diagnostic Visit Followed by a Restorative Visit	Percentage with Preventive/Diagnostic Visit Followed by a Restorative Visit
Baltimore City	561	110	19.6%	30	27.3%
Baltimore Suburban	427	94	22.0%	23	24.5%
Eastern Shore	92	24	26.1%	*	33.3%
Out of State	*	*	0.0%	*	0.0%
Southern Maryland	*	*	16.7%	*	37.5%
Washington Suburban	217	50	23.0%	13	26.0%
Western Maryland	123	23	18.7%	*	21.7%
<b>Total</b>	<b>1,469</b>	<b>309</b>	<b>21.0%</b>	<b>82</b>	<b>26.5%</b>

The percentage of former foster care participants enrolled in Medicaid for any period who received a preventive/diagnostic visit followed by a restorative visit varied across regions.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 25. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Primary Dental Diagnosis, by Region, CY 2017**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	750	718	95.7%	32	4.3%
Baltimore Suburban	457	445	97.4%	12	2.6%
Eastern Shore	*	*	95.4%	*	4.6%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	100.0%	*	0.0%
Washington Suburban	*	*	97.6%	*	2.4%
Western Maryland	*	*	97.6%	*	2.4%
<b>Total</b>	<b>1,690</b>	<b>1,633</b>	<b>96.6%</b>	<b>57</b>	<b>3.4%</b>

Overall, 3.4% of former foster care participants had at least one ED visit with a primary dental diagnosis in CY 2017. Eastern Shore participants had the highest rate at 4.6%, followed by Baltimore City at 4.3%.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 26. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Primary Dental Diagnosis or Dental Procedure Code, by Region, CY 2017**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	750	717	95.6%	33	4.4%
Baltimore Suburban	457	445	97.4%	12	2.6%
Eastern Shore	*	*	95.4%	*	4.6%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	100.0%	*	0.0%
Washington Suburban	*	*	97.1%	*	2.9%
Western Maryland	*	*	97.6%	*	2.4%
<b>Total</b>	<b>1,690</b>	<b>1,631</b>	<b>96.5%</b>	<b>59</b>	<b>3.5%</b>

Overall, 3.5% of former foster care participants enrolled in Medicaid for any period had at least one ED visit with a primary dental diagnosis or dental procedure code in CY 2017. Eastern Shore participants had the highest rate at 4.6%.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 27. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Dental Diagnosis, by Region, CY 2017**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	750	713	95.1%	37	4.9%
Baltimore Suburban	457	442	96.7%	15	3.3%
Eastern Shore	*	*	95.4%	*	4.6%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	100.0%	*	0.0%
Washington Suburban	*	*	96.2%	*	3.8%
Western Maryland	*	*	97.6%	*	2.4%
<b>Total</b>	<b>1,690</b>	<b>1,622</b>	<b>96.0%</b>	<b>68</b>	<b>4.0%</b>

Overall, 4.0% of former foster care participants enrolled in Medicaid for any period who had at least one ED visit with a dental diagnosis in CY 2017. Baltimore City participants had the highest rate at 4.9%.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 28. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Dental Diagnosis or Dental Procedure Code, by Region, CY 2017**

Region*	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	750	713	95.1%	37	4.9%
Baltimore Suburban	457	442	96.7%	15	3.3%
Eastern Shore	*	*	95.4%	*	4.6%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	100.0%	*	0.0%
Washington Suburban	*	*	95.7%	*	4.3%
Western Maryland	*	*	97.6%	*	2.4%
<b>Total</b>	<b>1,690</b>	<b>1,621</b>	<b>95.9%</b>	<b>69</b>	<b>4.1%</b>

Overall, 4.1% of former foster care participants enrolled in Medicaid for any period had at least one ED visit with a dental diagnosis or dental procedure code in CY 2017. Baltimore City participants had the highest rate at 4.9%.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 29. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Primary Dental Diagnosis or Dental Procedure Code, by Region, CY 2018**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	692	661	95.5%	31	4.5%
Baltimore Suburban	452	440	97.3%	12	2.7%
Eastern Shore	*	*	93.1%	*	6.9%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	95.5%	*	4.5%
Washington Suburban	*	*	100.0%	*	0.0%
Western Maryland	*	*	99.2%	*	0.8%
<b>Total</b>	<b>1,631</b>	<b>1,578</b>	<b>96.8%</b>	<b>53</b>	<b>3.2%</b>

Overall, 3.2% of former foster care participants enrolled in Medicaid for any period had at least one ED visit with a primary dental diagnosis or dental procedure code in CY 2018. Eastern Shore participants had the highest rate at 6.9%.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.



**Figure 30. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Dental Diagnosis, by Region, CY 2018**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	692	658	95.1%	34	4.9%
Baltimore Suburban	452	439	97.1%	13	2.9%
Eastern Shore	*	*	93.1%	*	6.9%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	95.5%	*	4.5%
Washington Suburban	*	*	100.0%	*	0.0%
Western Maryland	*	*	99.2%	*	0.8%
<b>Total</b>	<b>1,631</b>	<b>1,574</b>	<b>96.5%</b>	<b>57</b>	<b>3.5%</b>

Overall, 3.5% of former foster care participants enrolled in Medicaid for any period had at least one ED visit with a dental diagnosis in CY 2018. Eastern Shore participants had the highest rate at 6.9%.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 31. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Dental Diagnosis or Dental Procedure Code, by Region, CY 2018**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	692	658	95.1%	34	4.9%
Baltimore Suburban	452	439	97.1%	13	2.9%
Eastern Shore	*	*	93.1%	*	6.9%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	95.5%	*	4.5%
Washington Suburban	*	*	100.0%	*	0.0%
Western Maryland	*	*	99.2%	*	0.8%
<b>Total</b>	<b>1,631</b>	<b>1,574</b>	<b>96.5%</b>	<b>57</b>	<b>3.5%</b>

Overall, 3.5% of former foster care participants enrolled in Medicaid for any period had at least one ED visit with a dental diagnosis or dental procedure code in CY 2018. Eastern Shore participants had the highest rate at 6.9%.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 32. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Primary Dental Diagnosis, by Region, CY 2019**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	561	540	96.3%	21	3.7%
Baltimore Suburban	427	418	97.9%	*	2.1%
Eastern Shore	92	*	95.7%	*	4.3%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	97.9%	*	2.1%
Washington Suburban	217	214	98.6%	*	1.4%
Western Maryland	123	119	96.7%	*	3.3%
<b>Total</b>	<b>1,469</b>	<b>1,427</b>	<b>97.1%</b>	<b>42</b>	<b>2.9%</b>

Overall, 2.9% of former foster care participants had at least one ED visit with a primary dental diagnosis in CY 2019. Baltimore City participants had the highest rate at 3.7%.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 33. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Primary Dental Diagnosis or Dental Procedure Code, by Region, CY 2019**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	561	540	96.3%	21	3.7%
Baltimore Suburban	427	418	97.9%	*	2.1%
Eastern Shore	92	*	95.7%	*	4.3%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	97.9%	*	2.1%
Washington Suburban	217	213	98.2%	*	1.8%
Western Maryland	123	119	96.7%	*	3.3%
<b>Total</b>	<b>1,469</b>	<b>1,426</b>	<b>97.1%</b>	<b>43</b>	<b>2.9%</b>

Overall, 2.9% of former foster care participants enrolled in Medicaid for any period had at least one ED visit with a primary dental diagnosis or dental procedure code in CY 2019.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 34. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Dental Diagnosis, by Region, CY 2019**

Region*	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	561	536	95.5%	25	4.5%
Baltimore Suburban	427	416	97.4%	11	2.6%
Eastern Shore	92	*	95.7%	*	4.3%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	95.8%	*	4.2%
Washington Suburban	217	*	98.6%	*	1.4%
Western Maryland	123	*	95.1%	*	4.9%
<b>Total</b>	<b>1,469</b>	<b>1,418</b>	<b>96.5%</b>	<b>51</b>	<b>3.5%</b>

Overall, 3.5% of former foster care participants enrolled in Medicaid for any period had at least one ED visit with a dental diagnosis in CY 2019.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

**Figure 35. Number and Percentage of Former Foster Care Participants (E05) Enrolled in Medicaid for Any Period Who Had an ED Visit with a Dental Diagnosis or Dental Procedure Code, by Region, CY 2019**

Region**	Total Number of Participants	No ED Visits		At Least One ED Visit	
		#	%	#	%
Baltimore City	561	536	95.5%	25	4.5%
Baltimore Suburban	427	416	97.4%	11	2.6%
Eastern Shore	92	*	95.7%	*	4.3%
Out of State	*	*	100.0%	*	0.0%
Southern Maryland	*	*	95.8%	*	4.2%
Washington Suburban	217	*	98.2%	*	1.8%
Western Maryland	123	*	95.1%	*	4.9%
<b>Total</b>	<b>1,469</b>	<b>1,417</b>	<b>96.5%</b>	<b>52</b>	<b>3.5%</b>

Overall, 3.5% of former foster care participants enrolled in Medicaid for any period had at least one ED visit with a dental diagnosis or dental procedure code in CY 2019.

\*Cell values of 10 or less have been suppressed.

\*\*Baltimore Suburban: Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties. Southern Maryland: Calvert, Charles, and St. Mary's Counties. Western Maryland: Allegany, Frederick, Garrett, and Washington Counties. Eastern Shore: Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties. Washington Suburban: Prince's George and Montgomery Counties.

# **Chapter 8.**

## **Dental Visits for REM Participants**

**Figure 36. Percentage of REM Participants Aged 4–64 Years with at Least 320 Days in Medicaid Who Had Dental Services, by Age Group, CY 2015–CY 2019**

Age Group (Years)	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
<b>04–05</b>	68.1%	75.9%	73.2%	68.8%	68.9%
<b>06–09</b>	68.8%	72.8%	77.8%	77.4%	73.6%
<b>10–14</b>	67.3%	68.7%	68.2%	73.0%	72.3%
<b>15–18</b>	59.2%	60.2%	61.3%	62.0%	65.2%
<b>19–20</b>	50.5%	51.3%	50.7%	53.2%	59.1%
<b>21–39</b>	35.0%	34.4%	35.3%	36.4%	37.6%
<b>40–64</b>	22.8%	21.7%	19.1%	20.0%	22.2%
<b>Total</b>	<b>54.6%</b>	<b>56.2%</b>	<b>56.7%</b>	<b>57.9%</b>	<b>58.2%</b>

The percentage of REM participants enrolled in Medicaid for at least 320 days who received dental services increased by 3.6 percentage points between CY 2015 and CY 2019.



**Figure 37. Percentage of REM Participants Aged 4–64 Years with at Least 90 Days in Medicaid Who Had Dental Services, by Age Group, CY 2015–CY 2019**

Age Group (Years)	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
<b>4–5</b>	66.8%	73.9%	72.4%	66.9%	66.7%
<b>6–9</b>	68.0%	71.0%	76.3%	75.7%	72.3%
<b>10–14</b>	65.9%	68.0%	67.6%	71.8%	71.0%
<b>15–18</b>	58.3%	59.8%	59.8%	61.4%	63.7%
<b>19–20</b>	49.7%	49.8%	49.2%	52.4%	57.3%
<b>21–39</b>	34.2%	33.9%	34.8%	35.7%	36.8%
<b>40–64</b>	21.1%	20.8%	18.8%	18.5%	21.1%
<b>Total</b>	<b>53.5%</b>	<b>55.2%</b>	<b>55.6%</b>	<b>56.6%</b>	<b>56.9%</b>

The rate of REM participants enrolled in Medicaid for at least 90 days who received dental services increased by 3.4 percentage points between CY 2015 and CY 2019.

**Figure 38. Percentage of REM Participants Aged 4–64 Years Enrolled in Medicaid for Any Period Who Had Dental Services, by Age Group, CY 2015–CY 2019**

Age Group (Years)	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
<b>4–5</b>	66.2%	73.5%	71.5%	66.2%	66.5%
<b>6–9</b>	67.9%	70.6%	76.1%	75.6%	72.2%
<b>10–14</b>	65.5%	67.7%	67.3%	71.6%	70.7%
<b>15–18</b>	58.2%	59.4%	59.8%	61.0%	63.2%
<b>19–20</b>	49.5%	49.5%	48.9%	52.2%	57.1%
<b>21–39</b>	33.9%	33.6%	34.5%	35.4%	36.7%
<b>40–64</b>	20.7%	20.2%	18.5%	18.0%	20.5%
<b>Total</b>	<b>53.3%</b>	<b>54.8%</b>	<b>55.3%</b>	<b>56.2%</b>	<b>56.6%</b>

The rate of REM participants enrolled in Medicaid for any period who received dental services increased by 3.3 percentage points between CY 2015 and CY 2019.

**Figure 39. Number and Percentage of REM Participants Aged 4–64 Years Enrolled in Medicaid for Any Period Who Had Dental Services, by Age Group, CY 2019**

Age Group (Years)	Total Number of Enrollees	Number with Any Service	Percentage with Any Service
4–5	349	232	66.5%
6–9	701	506	72.2%
10–14	882	624	70.7%
15–18	603	381	63.2%
19–20	308	176	57.1%
21–39	1,059	389	36.7%
40–64	273	56	20.5%
<b>Total</b>	<b>4,175</b>	<b>2,364</b>	<b>56.6%</b>

The percentage of REM participants enrolled in Medicaid for any period who received dental services varied across all age groups in CY 2019. REM participants aged 6 to 9 years had the highest rate at 72.2%.

**Figure 40. Number and Percentage of REM Participants Aged 4–64 Years with at Least 90 Days in Medicaid Who Had Dental Services, by Age Group, CY 2019**

Age Group (Years)	Total Number of Enrollees	Number with Any Service	Percentage with Any Service
4–5	348	232	66.7%
6–9	698	505	72.3%
10–14	878	623	71.0%
15–18	597	380	63.7%
19–20	307	176	57.3%
21–39	1,055	388	36.8%
40–64	266	56	21.1%
<b>Total</b>	<b>4,149</b>	<b>2,360</b>	<b>56.9%</b>

The percentage of REM participants with at least 90 days in Medicaid who received dental services varied across all age groups in CY 2019. REM participants aged 6 to 9 years had the highest rate at 72.3%.

**Figure 41. Number and Percentage of REM Participants Aged 4–64 Years with at Least 320 Days in Medicaid Who Had Dental Services, by Age Group, CY 2019**

Age Group (Years)	Total Number of Enrollees	Number with Any Service	Percentage with Any Service
4–5	325	224	68.9%
6–9	666	490	73.6%
10–14	847	612	72.3%
15–18	569	371	65.2%
19–20	291	172	59.1%
21–39	1,018	383	37.6%
40–64	243	54	22.2%
<b>Total</b>	<b>3,959</b>	<b>2,306</b>	<b>58.2%</b>

The percentage of REM participants with at least 320 days in Medicaid who received dental services varied across all age groups in CY 2019. REM participants aged 6 to 9 years had the highest rate at 73.6%.

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