

# Performance Outcomes System Initial Reports

Report run on July 29, 2015

## Background

This is the second report produced for the Performance Outcomes System which reflects a refresh of the data that was reported in February 2015. These reports help meet the intent of the Legislature, as stated in Welfare and Institutions Code Section 14707.5, to develop a performance outcomes system for Early and Periodic Screening, Diagnosis, and Treatment (EPSDT) mental health services that will improve outcomes at the individual, program, and system levels and inform fiscal decision-making related to the purchase of services. This reporting effort is part of the implementation of a performance outcomes system for Medi-Cal Specialty Mental Health Services (SMHS) for children and youth.

Since 2012 DHCS has worked with several groups of stakeholders to create a structure for reporting, develop the Performance Measurement Paradigm, and develop indicators and measures. The Performance Outcomes System will be used to evaluate the domains of access, engagement, service appropriateness to need, service effectiveness, linkages, cost effectiveness and satisfaction.

## Purpose and Overview

Three reports will be provided: statewide aggregate data; population-based county groups; and county-specific data. These are the second statewide, aggregate reports providing updated information on the initial indicators that were developed for the Performance Outcomes System; they establish a foundation for on-going reporting. Given that there is very little change in the data from this report when compared to the February report, DHCS plans to move to annual reporting of this data.

Where possible, the reports provide trend information by displaying information for Fiscal Years (FY) 10/11, 11/12, 12/13, and 13/14.

The first reports focus on the demographic characteristics of the children and youth under 21 who are receiving Specialty Mental Health Services (SMHS), based on approved claims for Medi-Cal eligible beneficiaries. The reports include data on the demographics of this population by age, gender, race/ethnicity. Two types of penetration information is provided for children/youth served and not served. Both penetration rate tables are also broken out by demographic characteristics.

Utilization of services reports are shown in terms of dollars, as well as by service in time increments. The snapshot report provides a point-in-time view of children arriving, exiting and continuing services over a two year period. The final report provides a view over the past four years of the time to step-down services (i.e., time to next contact after an inpatient discharge). **Note:** *The time to step-down report has a change in methodology from the first report produced in February 2015. In the initial report only outpatient services provided at least one day after the inpatient discharge were included in the calculations. Starting with this report, any outpatient service that occurs on or after the inpatient discharge is included in the analysis.*

## Definitions

**Population** - Beneficiaries with approved services adjudicated through the Short Doyle/Medi-Cal II claiming system that were:

- Age 20 or younger during the approved date of service on the claim; or
- Age 21 during the approved date of the service on the claim and a birth date on or after January 1st of the Fiscal Year.

**Data Sources** -

- Short-Doyle/Medi-Cal II (SD/MC II) claims with dates of service in FY 10/11 through FY 13/14.
- Medi-Cal Eligibility Data System (MEDS) data from the Management Information System/Decision Support System (MIS/DSS) FY 10/11 through FY 13/14.

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## Additional Information

The **Measures Catalog** is the companion document for these reports and provides the methodology and definitions for the measures. Each measure is defined and the numerator and denominator used to develop the metrics are provided with relevant notes and additional references. The Measures Catalog may be found at:

[http://www.dhcs.ca.gov/individuals/Documents/POS%20Measures%20Catalog\\_2.17.15.pdo](http://www.dhcs.ca.gov/individuals/Documents/POS%20Measures%20Catalog_2.17.15.pdo)

The Measures Catalog is posted on the POS site under the heading "POS Reports and Measures Catalog."

**Background** information on the Performance Measures System implementation is available on the DHCS website. Documents posted include the relevant legislation, plans submitted to the Legislature, and handouts for meetings with the Stakeholder Advisory Committee back to the first meeting in 2012. To obtain this information go to:

<http://www.dhcs.ca.gov/individuals/Pages/POSReports.aspx>

## Report Highlights

The demographic reports provide information by race, age, and gender for the past four fiscal years. The penetration reports use the same breakdowns of race, age, and gender for all SMHS children and youth.

-Count of those children and youth certified eligible to receive services in FY 13/14: 6,032,290

-Count of those children and youth receiving services in FY 13/14: 263,567

-Statewide, one contact, penetration rate in FY 13/14: 4.4%

The second penetration report provides information on those with five or more SMHS visits in a fiscal year, for the past four fiscal years.

-Count of those children and youth certified eligible to receive services in FY 13/14: 6,032,290

-Count of children and youth with 5 or more visits in FY 13/14: 202,070

-Penetration rate of children and youth with 5 or more visits in FY 13/14: 3.3%

The approved services report provides the numbers of minutes or days of services approved for each beneficiary for the past four fiscal years.

-Average per beneficiary expenditure for approved services in FY 13/14: \$6,090.12

The snapshot report provides counts and percentages of children and youth arriving, exiting and continuing to receive services in the past two fiscal years.

The final report provides insights into how soon after discharge from inpatient services a beneficiary received step down follow up services. For FY 13/14 the median step down was 2 days.

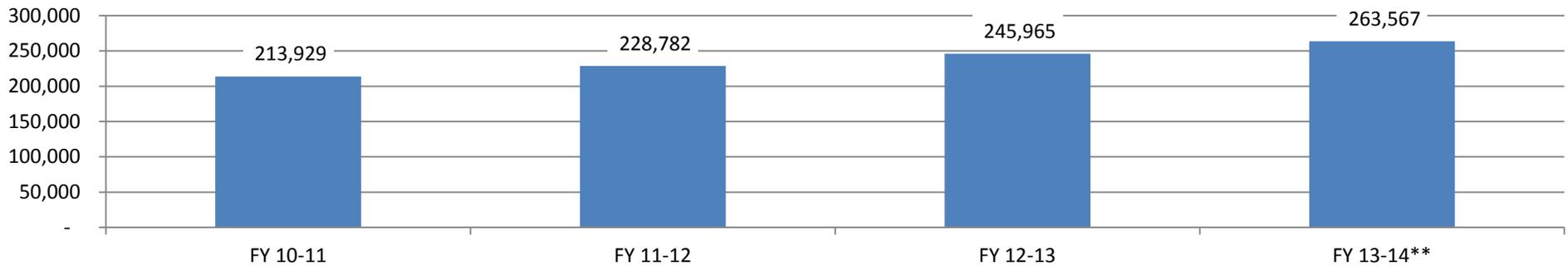
**Please contact [cmhpos@dhcs.ca.gov](mailto:cmhpos@dhcs.ca.gov) for any questions regarding this report.**

# Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year

Statewide as of July 29, 2015

SFY	Unique Count Receiving SMHS*	Year-Over-Year Percentage Change	Unique Count of Medi-Cal Eligibles	Year-Over-Year Percentage Change
<b>FY 10-11</b>	213,929		4,679,101	
<b>FY 11-12</b>	228,782	6.9%	4,794,740	2.5%
<b>FY 12-13</b>	245,965	7.5%	5,464,324	14.0%
<b>FY 13-14**</b>	263,567	7.2%	6,032,290	10.4%
<b>Compound Annual Growth Rate SFY**</b>		<b>7.2%</b>		<b>8.8%</b>

### Unique Count of Children and Youth Receiving SMHS



\*SMHS = Specialty Mental Health Services. See Measures Catalog for more detailed information.

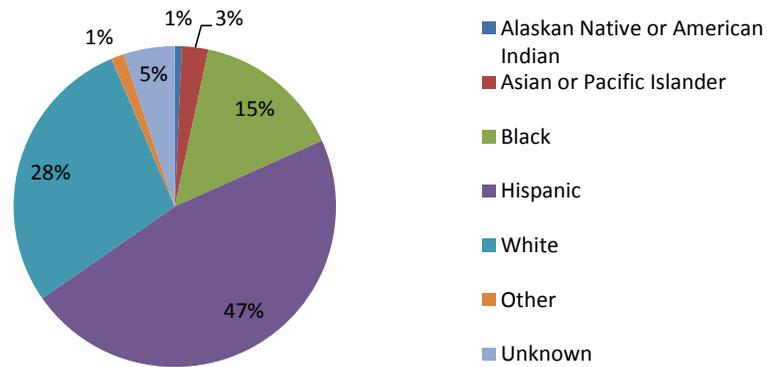
\*\*SFY = State Fiscal Year which is July 1 through June 30.

# Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year

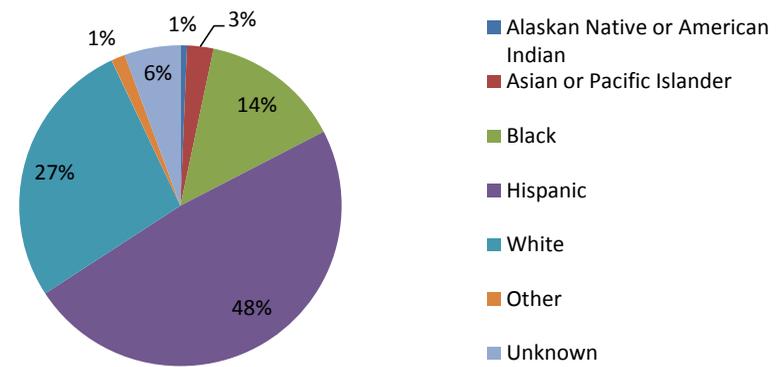
Statewide as of July 29, 2015

Fiscal Year	Alaskan Native or American Indian Count	Alaskan Native or American Indian %	Asian or Pacific Islander Count	Asian or Pacific Islander %	Black Count	Black %	Hispanic Count	Hispanic %	White Count	White %	Other Count	Other %	Unknown Count	Unknown %
FY 10-11	1,519	0.7%	5,645	2.6%	31,931	14.9%	100,665	47.1%	60,462	28.3%	2,740	1.3%	10,967	5.1%
FY 11-12	1,504	0.7%	6,030	2.6%	32,209	14.1%	110,768	48.4%	62,232	27.2%	3,194	1.4%	12,845	5.6%
FY 12-13	1,464	0.6%	6,632	2.7%	31,987	13.0%	122,648	49.9%	63,991	26.0%	4,250	1.7%	14,993	6.1%
FY 13-14	1,470	0.6%	7,676	2.9%	31,577	12.0%	133,834	50.8%	65,829	25.0%	5,437	2.1%	17,744	6.7%

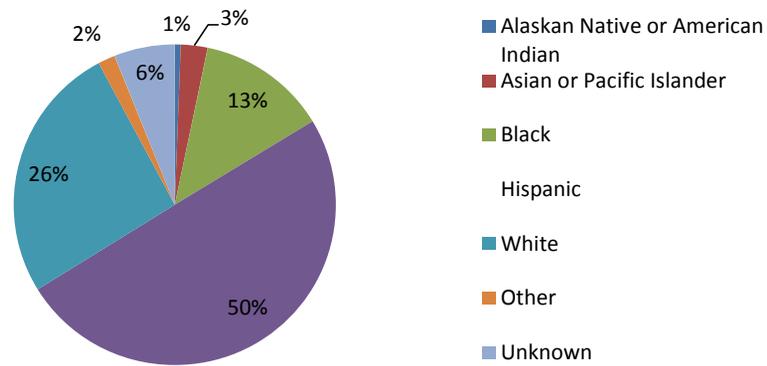
**Fiscal Year 10-11 Race Distribution**



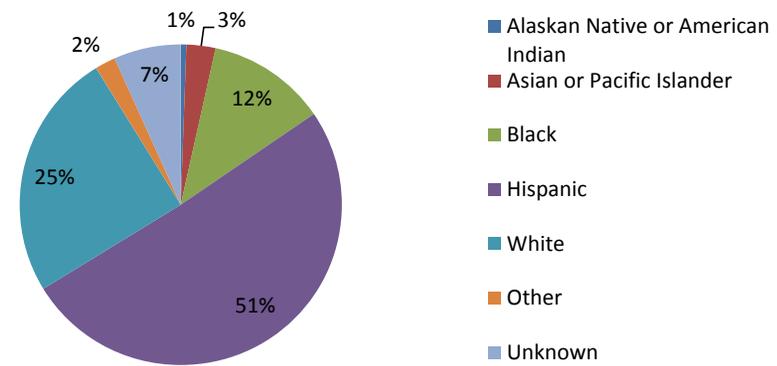
**Fiscal Year 11-12 Race Distribution**



**Fiscal Year 12-13 Race Distribution**



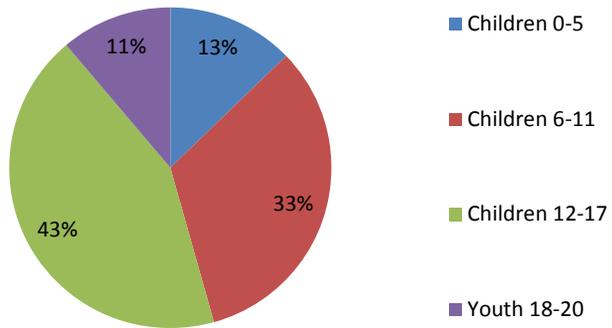
**Fiscal Year 13-14 Race Distribution**



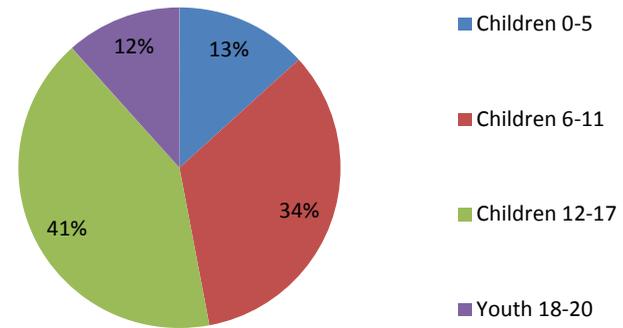
**Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year**  
Statewide as of July 29, 2015

Fiscal Year	Children 0-5 Count	Children 0-5 %	Children 6-11 Count	Children 6-11 %	Children 12-17 Count	Children 12-17 %	Youth 18-20 Count	Youth 18-20 %
FY 10-11	27,291	12.8%	70,335	32.9%	92,418	43.2%	23,885	11.2%
FY 11-12	30,315	13.3%	77,240	33.8%	94,628	41.4%	26,599	11.6%
FY 12-13	31,706	12.9%	84,494	34.4%	101,809	41.4%	27,956	11.4%
FY 13-14	32,722	12.4%	90,290	34.3%	110,364	41.9%	30,191	11.5%

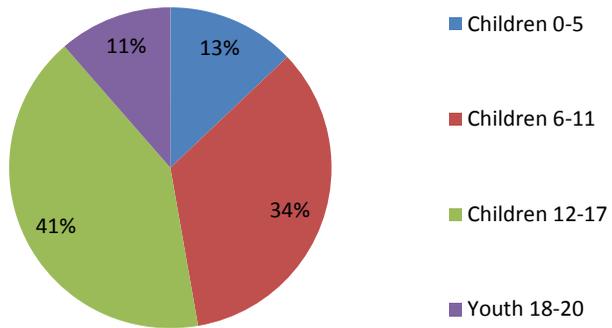
**Fiscal Year 10-11 Age Group Distribution**



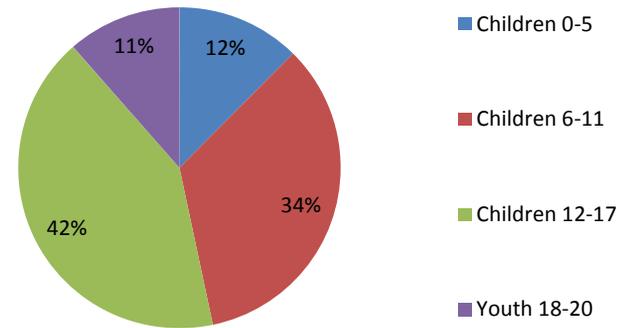
**Fiscal Year 11-12 Age Group Distribution**



**Fiscal Year 12-13 Age Group Distribution**



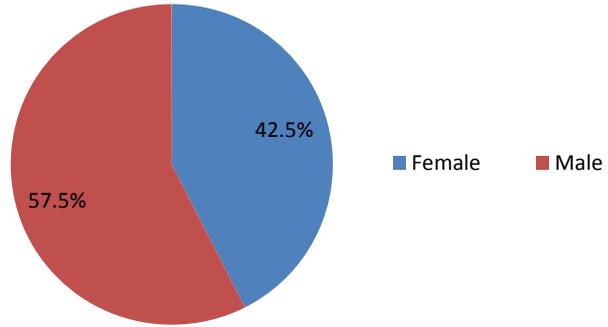
**Fiscal Year 13-14 Age Group Distribution**



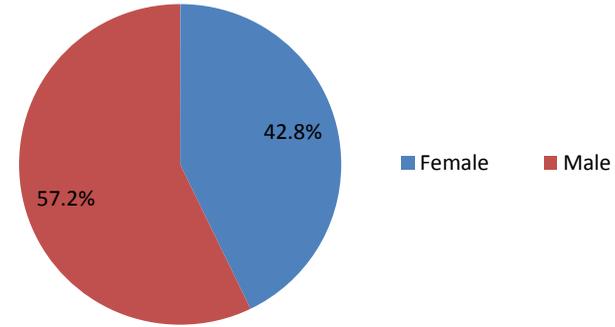
**Demographics Report: Unique Count of Children and Youth by Fiscal Year**  
Statewide as of July 29, 2015

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 10-11	90,903	42.5%	123,026	57.5%
FY 11-12	97,937	42.8%	130,845	57.2%
FY 12-13	106,150	43.2%	139,815	56.8%
FY 13-14	115,776	43.9%	147,791	56.1%

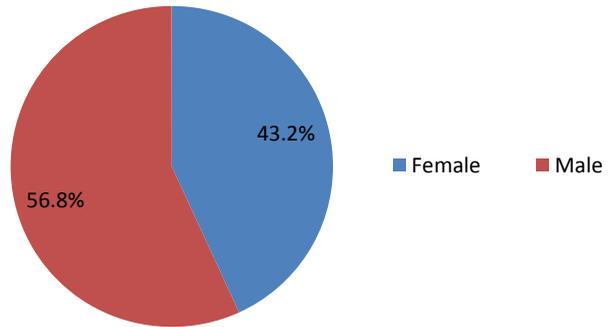
**Fiscal Year 10-11 Gender Distribution**



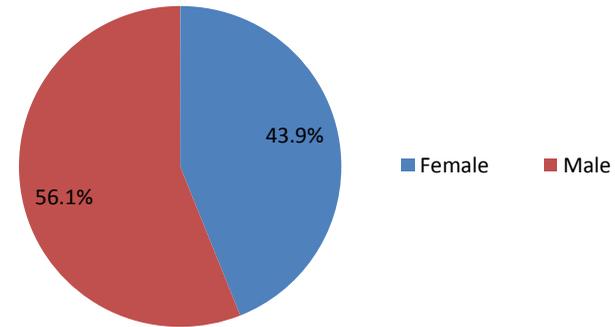
**Fiscal Year 11-12 Gender Distribution**



**Fiscal Year 12-13 Gender Distribution**



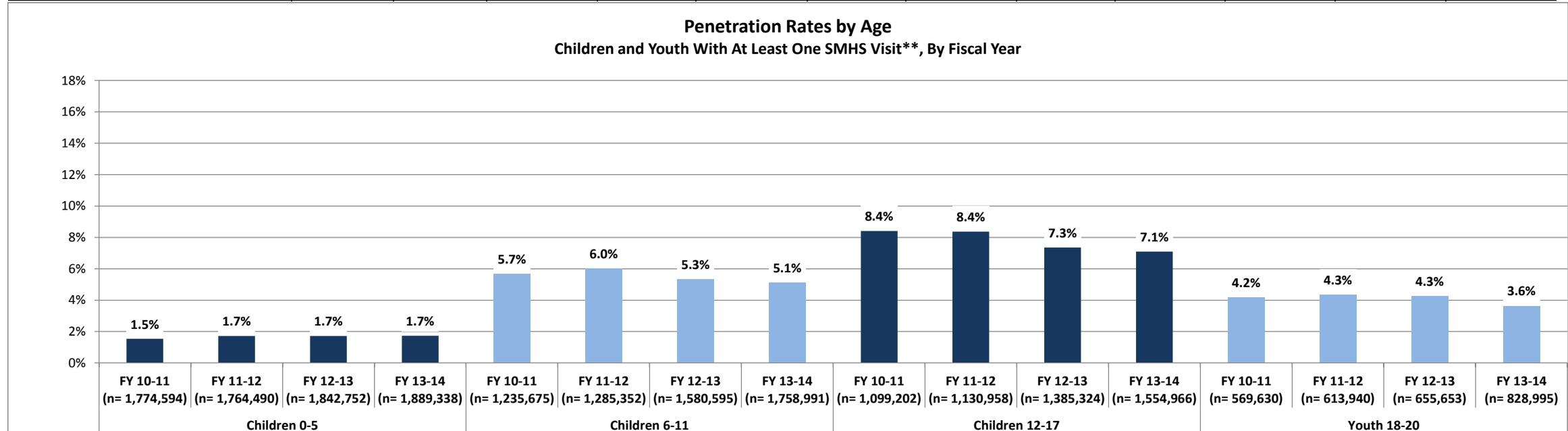
**Fiscal Year 13-14 Gender Distribution**



## Penetration Rates\* Report: Children and Youth With At Least One SMHS Visit\*\*

Statewide as of July 29, 2015

	FY 10-11			FY 11-12			FY 12-13			FY 13-14		
	Children and Youth with 1 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 1 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 1 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 1 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate
<b>All</b>	<b>213,929</b>	<b>4,679,101</b>	<b>4.6%</b>	<b>228,782</b>	<b>4,794,740</b>	<b>4.8%</b>	<b>245,965</b>	<b>5,464,324</b>	<b>4.5%</b>	<b>263,567</b>	<b>6,032,290</b>	<b>4.4%</b>
Children 0-5	27,291	1,774,594	1.5%	30,315	1,764,490	1.7%	31,706	1,842,752	1.7%	32,722	1,889,338	1.7%
Children 6-11	70,335	1,235,675	5.7%	77,240	1,285,352	6.0%	84,494	1,580,595	5.3%	90,290	1,758,991	5.1%
Children 12-17	92,418	1,099,202	8.4%	94,628	1,130,958	8.4%	101,809	1,385,324	7.3%	110,364	1,554,966	7.1%
Youth 18-20	23,885	569,630	4.2%	26,599	613,940	4.3%	27,956	655,653	4.3%	30,191	828,995	3.6%
Alaskan Native or American Indian	1,519	20,393	7.4%	1,504	20,231	7.4%	1,464	20,641	7.1%	1,470	21,940	6.7%
Asian or Pacific Islander	5,645	323,293	1.7%	6,030	323,754	1.9%	6,632	406,629	1.6%	7,676	486,270	1.6%
Black	31,931	423,066	7.5%	32,209	427,420	7.5%	31,987	439,142	7.3%	31,577	453,195	7.0%
Hispanic	100,665	2,754,659	3.7%	110,768	2,823,587	3.9%	122,648	3,214,266	3.8%	133,834	3,440,659	3.9%
White	60,462	725,416	8.3%	62,232	737,178	8.4%	63,991	810,280	7.9%	65,829	925,679	7.1%
Other	2,740	113,734	2.4%	3,194	117,957	2.7%	4,250	164,195	2.6%	5,437	214,444	2.5%
Unknown	10,967	318,540	3.4%	12,845	344,613	3.7%	14,993	409,171	3.7%	17,744	490,103	3.6%
Female	90,903	2,321,067	3.9%	97,937	2,382,492	4.1%	106,150	2,704,249	3.9%	115,776	2,978,409	3.9%
Male	123,026	2,358,034	5.2%	130,845	2,412,248	5.4%	139,815	2,760,075	5.1%	147,791	3,053,881	4.8%



\*Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

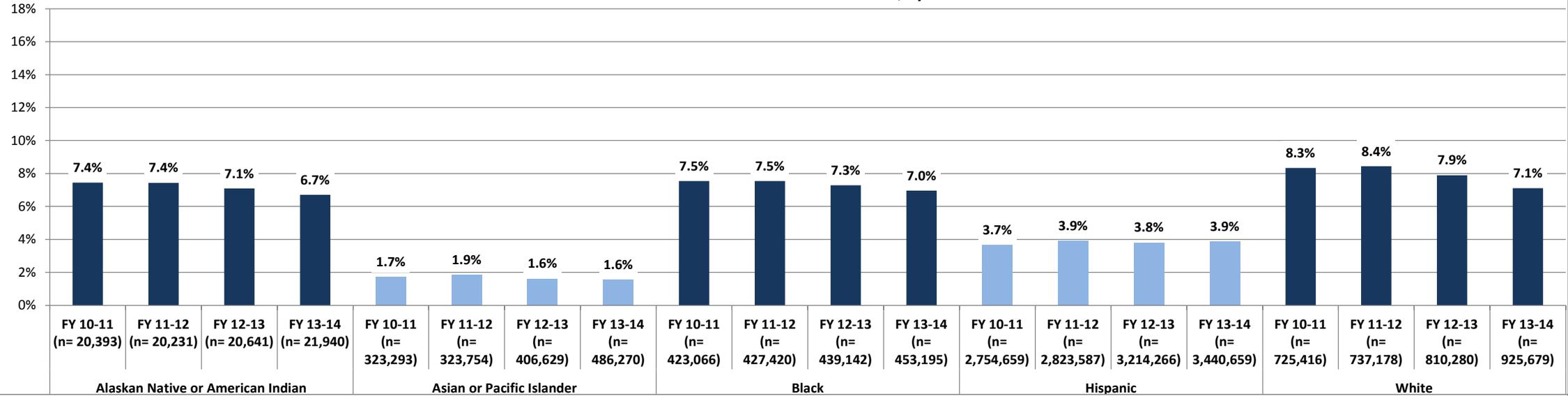
\*\*Children and Youth that have received at least one SMHS that was claimed through the Short-Doyle/ Medi-Cal claiming system on at least one (1) day in the Fiscal Year.

# Penetration Rates\* Report: Children and Youth With At Least One SMHS Visit\*\*

Statewide as of July 29, 2015

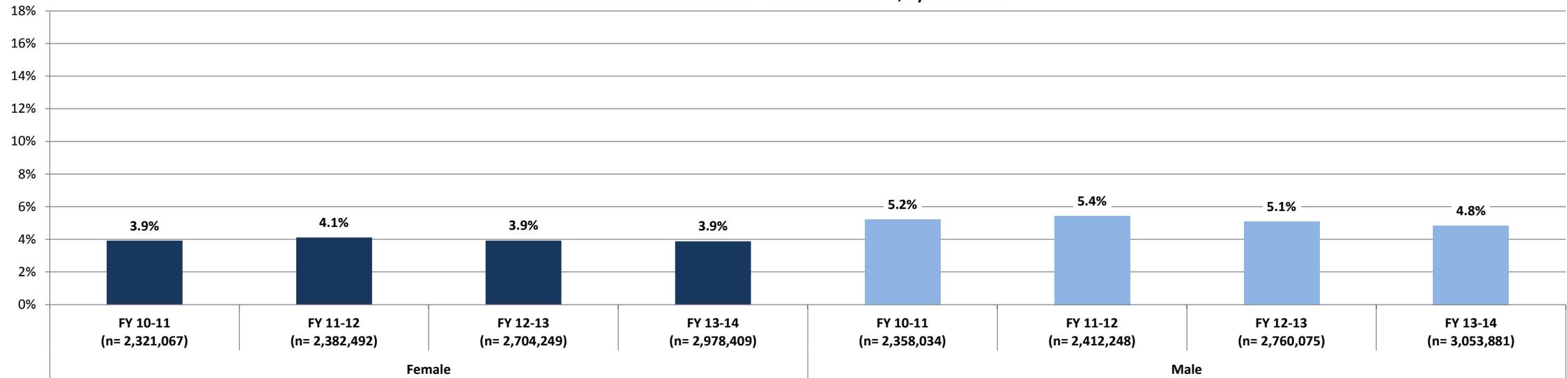
## Penetration Rates by Race

Children and Youth With At Least One SMHS Visit\*\*, By Fiscal Year



## Penetration Rates by Gender

Children and Youth With At Least One SMHS Visit\*\*, By Fiscal Year



\*Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

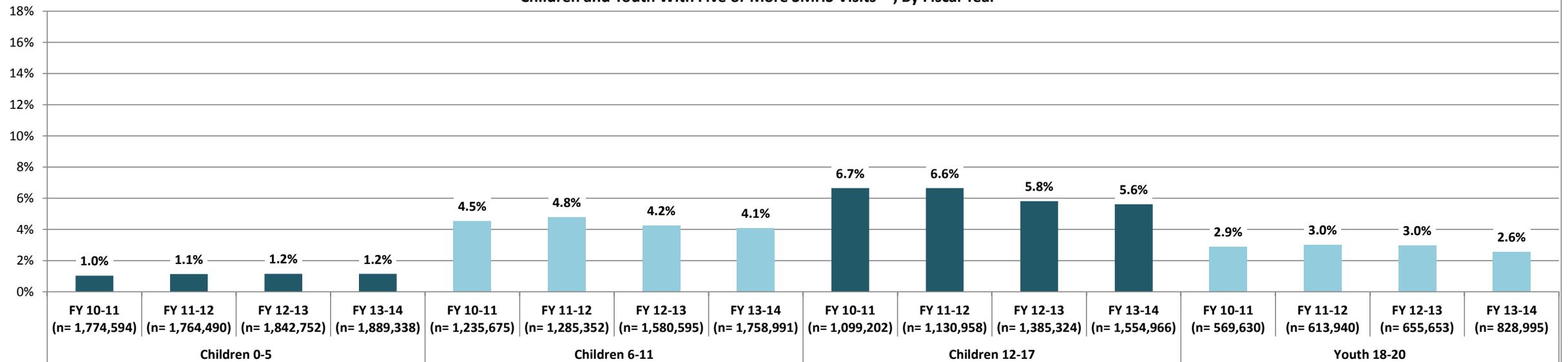
\*\*Children and Youth that have received at least one SMHS that was claimed through the Short-Doyle/ Medi-Cal claiming system on at least one (1) day in the Fiscal Year.

## Penetration Rates\* Report: Children and Youth With Five or More SMHS Visits\*\*

Statewide as of July 29, 2015

	FY 10-11			FY 11-12			FY 12-13			FY 13-14		
	Children and Youth with 5 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 5 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 5 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 5 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate
<b>All</b>	<b>163,987</b>	<b>4,679,101</b>	<b>3.5%</b>	<b>175,328</b>	<b>4,794,740</b>	<b>3.7%</b>	<b>188,486</b>	<b>5,464,324</b>	<b>3.4%</b>	<b>202,070</b>	<b>6,032,290</b>	<b>3.3%</b>
Children 0-5	18,411	1,774,594	1.0%	20,165	1,764,490	1.1%	21,387	1,842,752	1.2%	21,735	1,889,338	1.2%
Children 6-11	55,965	1,235,675	4.5%	61,403	1,285,352	4.8%	67,016	1,580,595	4.2%	71,912	1,758,991	4.1%
Children 12-17	73,116	1,099,202	6.7%	75,206	1,130,958	6.6%	80,503	1,385,324	5.8%	87,255	1,554,966	5.6%
Youth 18-20	16,495	569,630	2.9%	18,554	613,940	3.0%	19,580	655,653	3.0%	21,168	828,995	2.6%
Alaskan Native or American Indian	1,123	20,393	5.5%	1,138	20,231	5.6%	1,103	20,641	5.3%	1,075	21,940	4.9%
Asian or Pacific Islander	4,308	323,293	1.3%	4,556	323,754	1.4%	5,101	406,629	1.3%	5,845	486,270	1.2%
Black	24,582	423,066	5.8%	24,928	427,420	5.8%	24,686	439,142	5.6%	24,264	453,195	5.4%
Hispanic	76,253	2,754,659	2.8%	83,807	2,823,587	3.0%	93,227	3,214,266	2.9%	102,031	3,440,659	3.0%
White	46,729	725,416	6.4%	46,729	737,178	6.3%	49,308	810,280	6.1%	50,714	925,679	5.5%
Other	2,107	113,734	1.9%	2,464	117,957	2.1%	3,227	164,195	2.0%	4,195	214,444	2.0%
Unknown	8,885	318,540	2.8%	10,194	344,613	3.0%	11,834	409,171	2.9%	13,946	490,103	2.8%
Female	68,641	2,321,067	3.0%	74,150	2,382,492	3.1%	80,524	2,704,249	3.0%	87,831	2,978,409	2.9%
Male	95,346	2,358,034	4.0%	101,178	2,412,248	4.2%	107,962	2,760,075	3.9%	114,239	3,053,881	3.7%

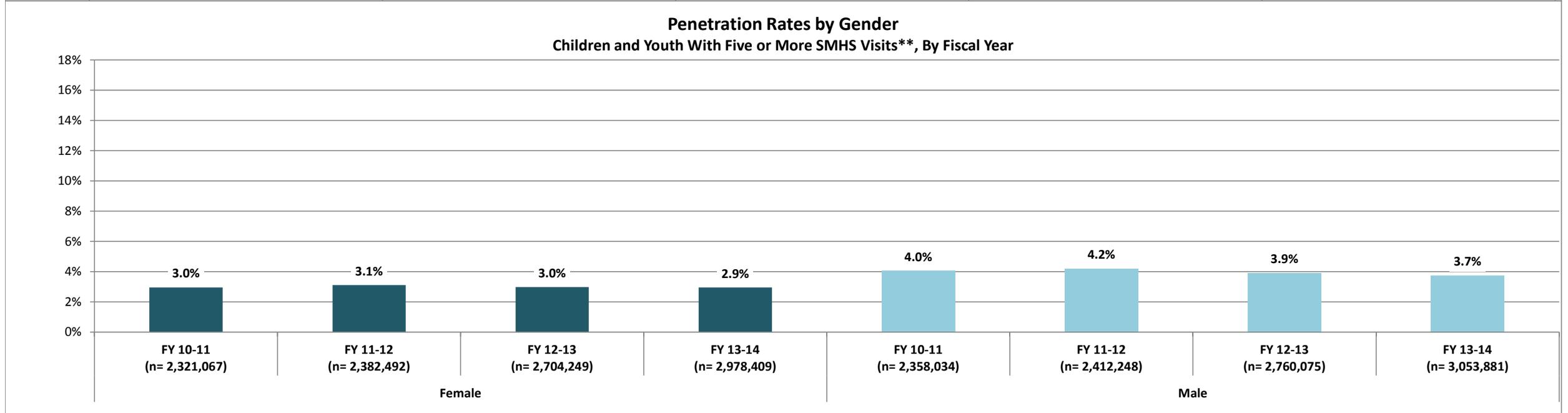
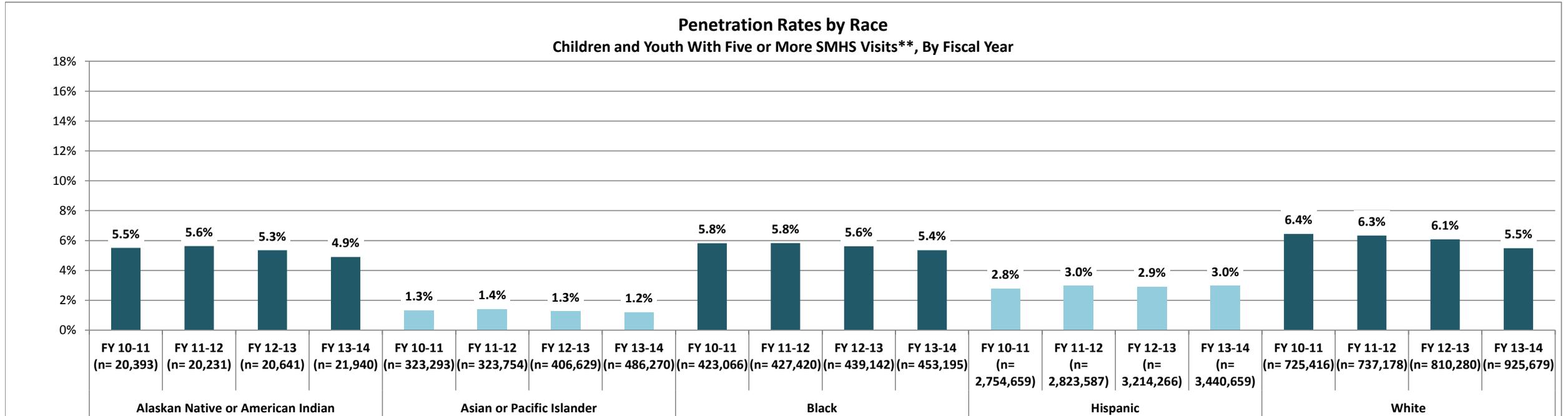
**Penetration Rates by Age**  
Children and Youth With Five or More SMHS Visits\*\*, By Fiscal Year



\*Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

\*\*Children and Youth that have received at least five SMHS that were claimed through the Short-Doyle/ Medi-Cal claiming system on at least five (5) or more different days in the Fiscal Year.

**Penetration Rates\* Report: Children and Youth With Five or More SMHS Visits\*\***  
Statewide as of July 29, 2015

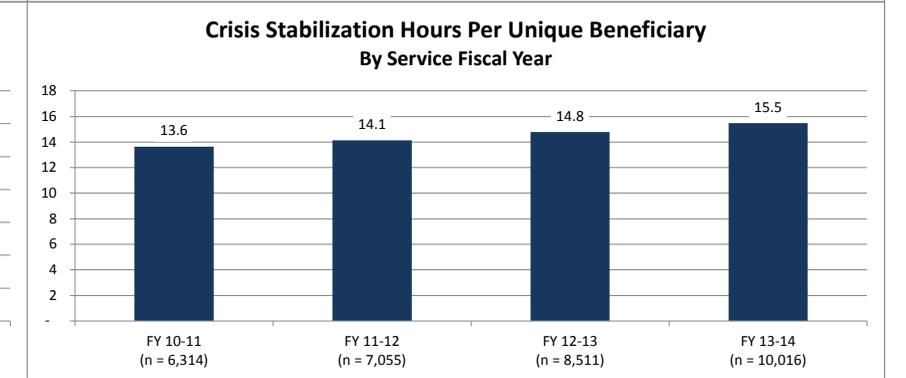
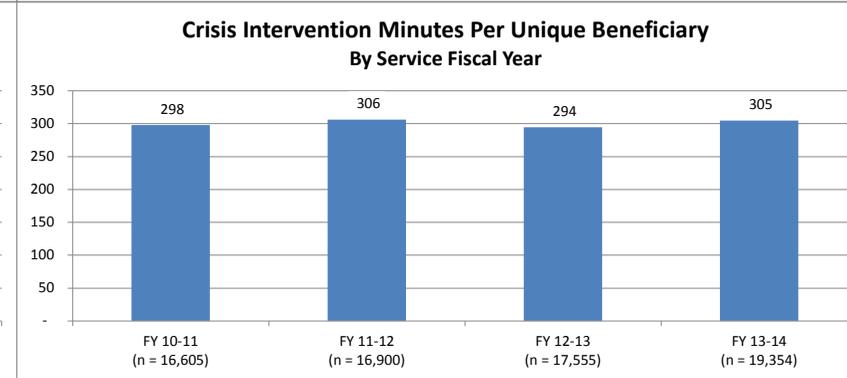
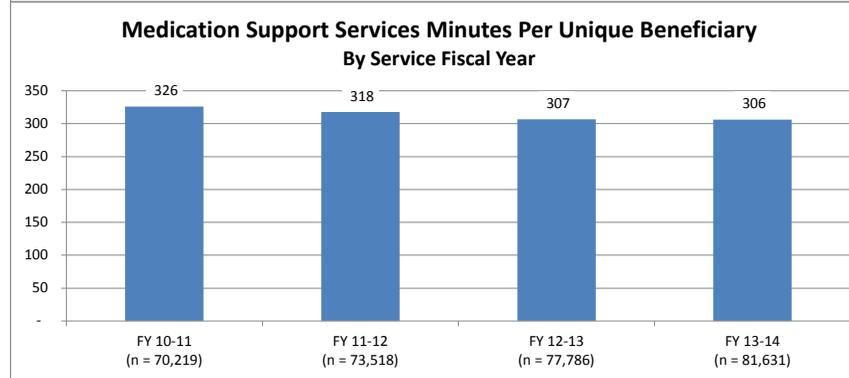
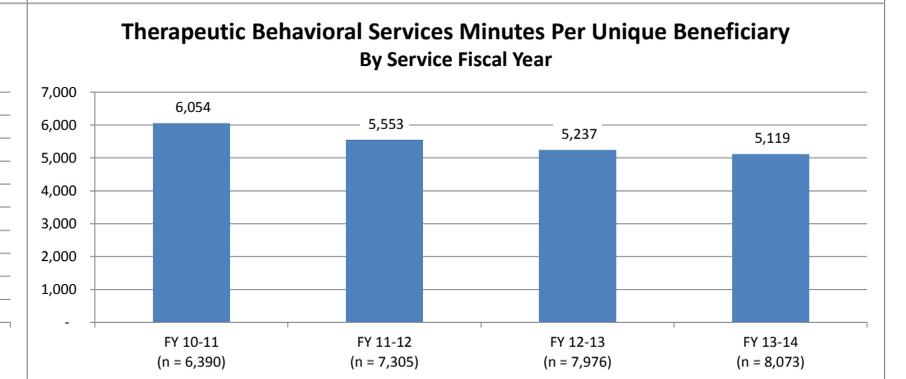
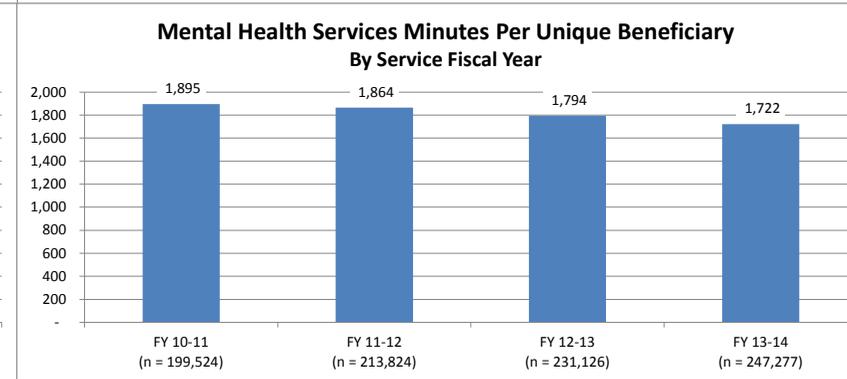
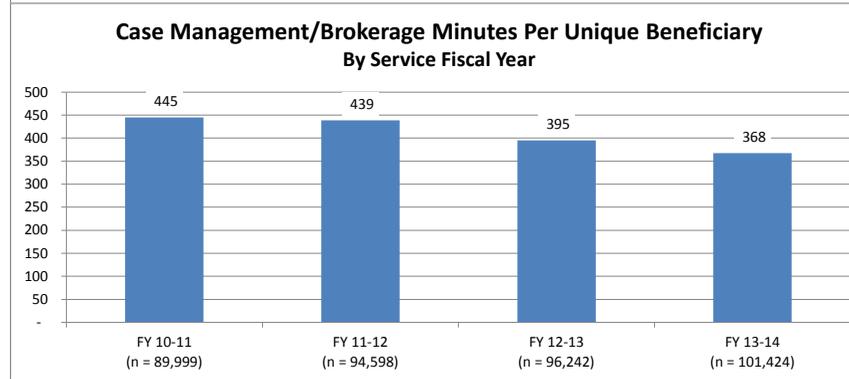
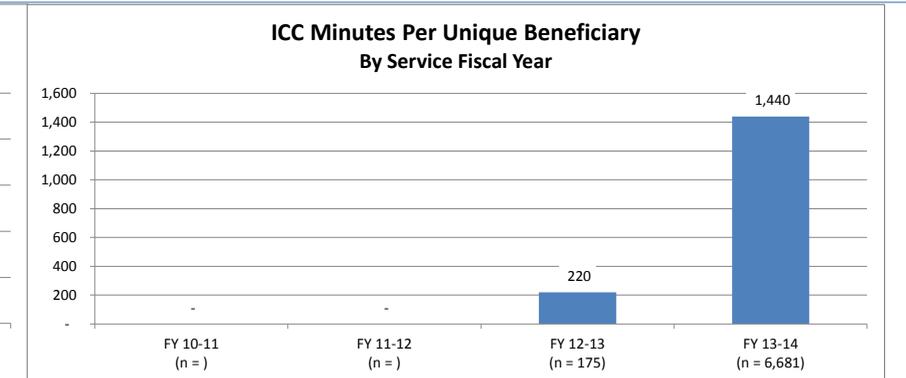
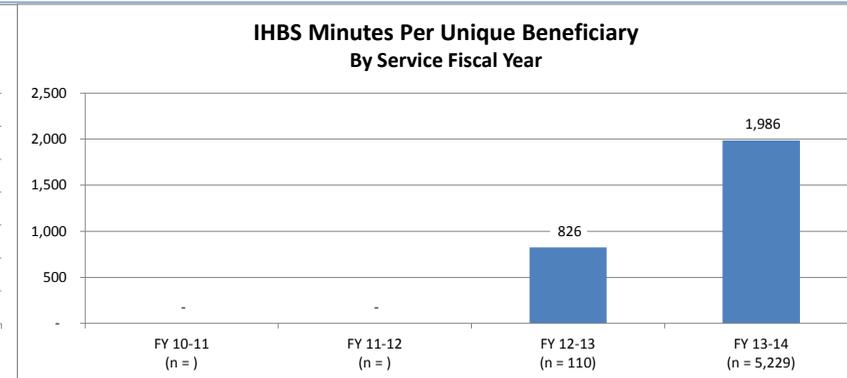
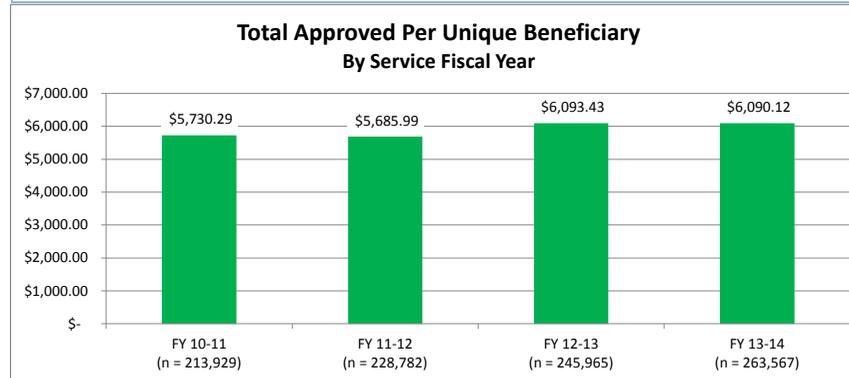


\*Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

\*\*Children and Youth that have received at least five SMHS that were claimed through the Short-Doyle/ Medi-Cal claiming system on at least five (5) or more different days in the Fiscal Year.

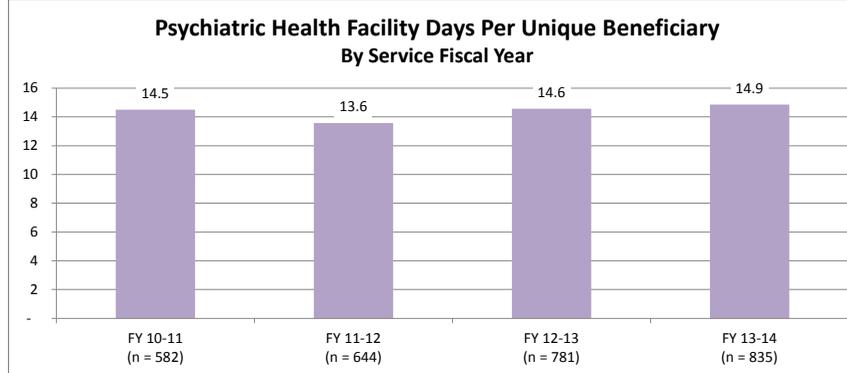
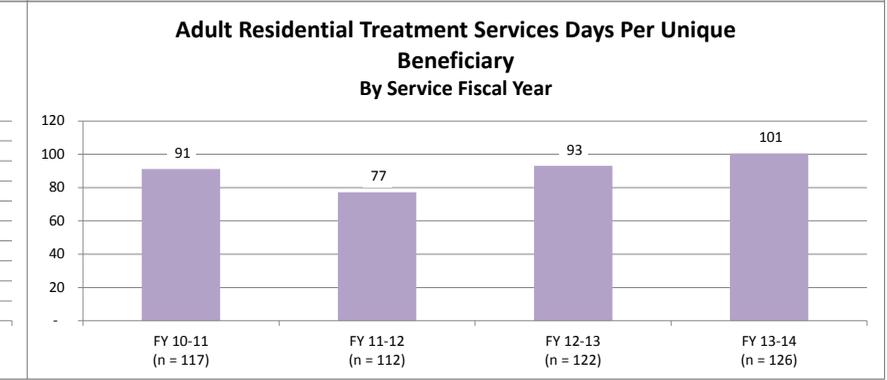
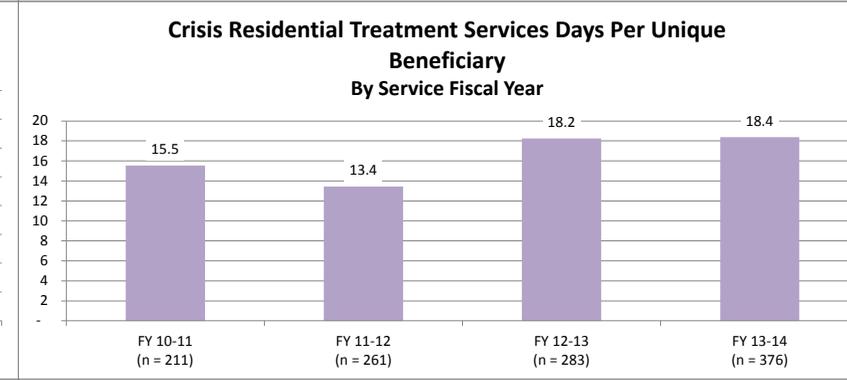
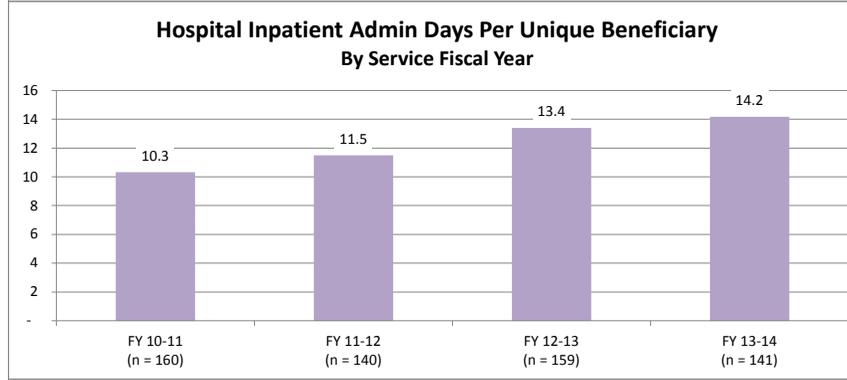
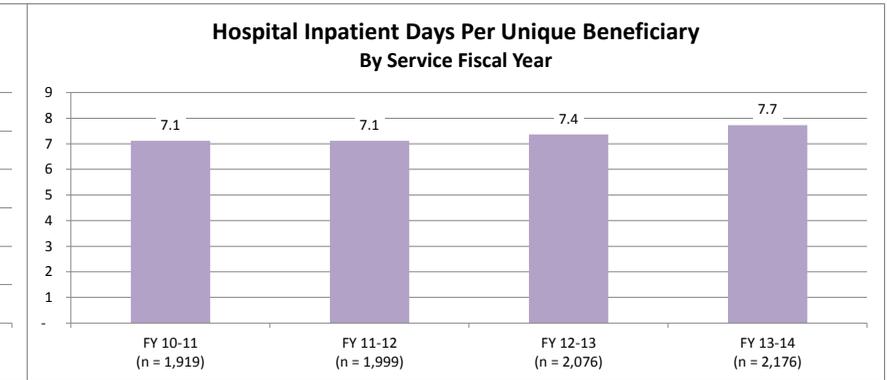
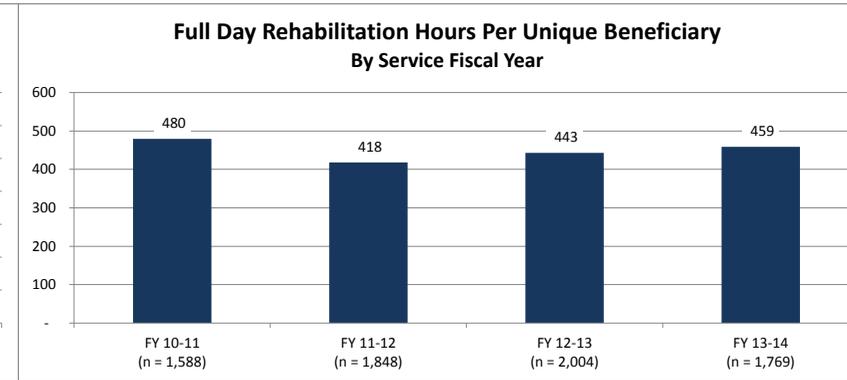
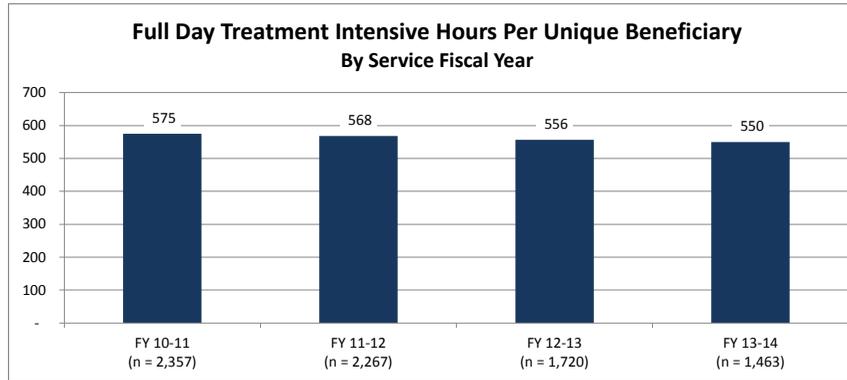
**Utilization Report\*: Approved Specialty Mental Health Services for Children and Youth  
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year\*\*  
Statewide as of July 29, 2015**

Fiscal Year	SDMC Total Approved	IHBS (Minutes)	ICC (Minutes)	Case Management/Brokerage (Minutes)	Mental Health Services (Minutes)	Therapeutic Behavioral Services (Minutes)	Medication Support Services (Minutes)	Crisis Intervention (Minutes)	Crisis Stabilization (Hours)	Full Day Treatment Intensive (Hours)	Full Day Rehabilitation (Hours)	Hospital Inpatient (Days)	Hospital Inpatient Admin (Days)	Crisis Residential Treatment Services (Days)	Adult Residential Treatment Services (Days)	Psychiatric Health Facility (Days)
FY 10-11	\$ 5,730.29	-	-	445	1,895	6,054	326	298	14	575	480	7	10	16	91	15
FY 11-12	\$ 5,685.99	-	-	439	1,864	5,553	318	306	14	568	418	7	11	13	77	14
FY 12-13	\$ 6,093.43	826	220	395	1,794	5,237	307	294	15	556	443	7	13	18	93	15
FY 13-14	\$ 6,090.12	1,986	1,440	368	1,722	5,119	306	305	15	550	459	8	14	18	101	15
<b>MEAN</b>	<b>\$ 5,899.96</b>	<b>1,406</b>	<b>830</b>	<b>412</b>	<b>1,819</b>	<b>5,491</b>	<b>314</b>	<b>301</b>	<b>15</b>	<b>562</b>	<b>450</b>	<b>7</b>	<b>12</b>	<b>16</b>	<b>91</b>	<b>14</b>



\*The graphs are color coded so that those reported in the same unit of analysis (e.g., minutes) are colored similarly.  
Please note that (n) values listed at the bottom of each bar graph represent the actual number of children/youth that received the SMHS represented in their respective graph by Fiscal Year.

**Utilization Report\*: Approved Specialty Mental Health Services for Children and Youth**  
**Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year\*\***  
 Statewide as of July 29, 2015



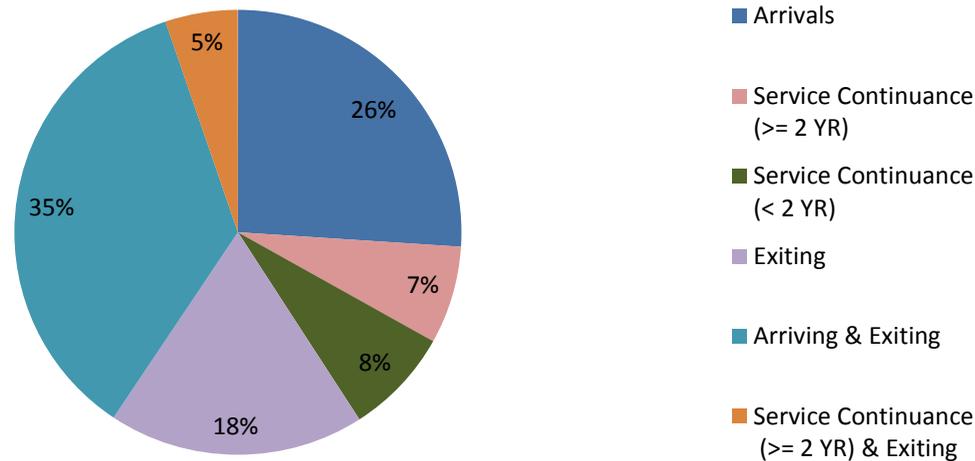
\*The graphs are color coded so that those reported in the same unit of analysis (e.g., minutes) are colored similarly.  
 Please note that (n) values listed at the bottom of each bar graph represent the actual number of children/youth that received the SMHS represented in their respective graph by Fiscal Year.

## Snapshot Report: Unique Count of Children and Youth Receiving SMHS Arriving, Exiting, and with Service Continuance by Fiscal Year Statewide as of August 3, 2015

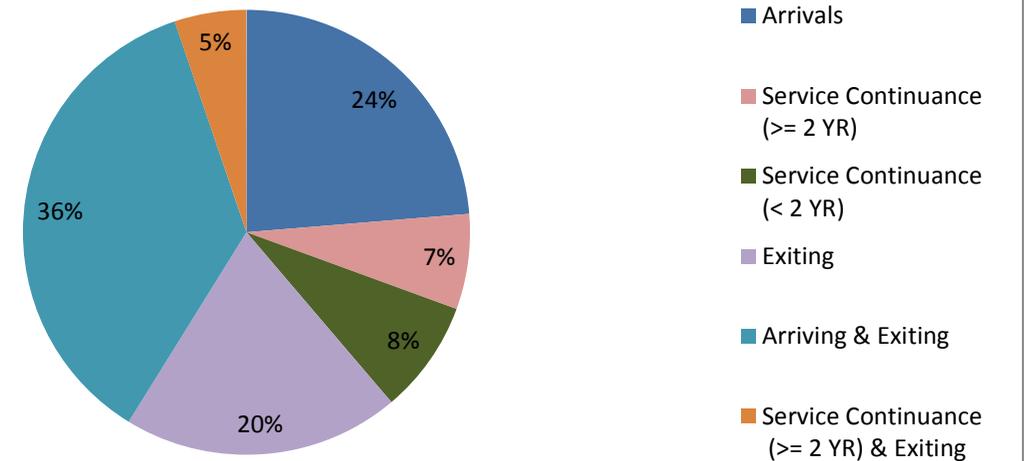
Category	Description (Please refer to the <a href="#">Measures Catalog</a> for more detailed descriptions on all Performance Outcomes System measures.)
Arrivals	Children/Youth that did not receive any SMHS within 3 months of their first date of service in the Fiscal Year.
Service Continuance	Children/Youth receiving continuous services with no breaks in service greater than 90 days for a period of at least 2 years ( $\geq 2$ YR) or a period of 1 to 2 years ( $< 2$ YR).
Exiting	Children/Youth that did not receive any SMHS within 3 months after their last date of service in the Fiscal Year.
Arriving & Exiting	A distinct category in which children/youth met both the criteria for <b>Arrivals</b> and <b>Exiting</b> above for the fiscal year.
Service Continuance & Exiting	A distinct category in which Children/Youth had at least 2 years of Service Continuance going into the Fiscal Year and then Exited within the same Fiscal Year.

Service Fiscal Year	Arrivals Count	Arrivals %	Service Continuance ( $\geq 2$ YR) Count	Service Continuance ( $\geq 2$ YR) %	Service Continuance ( $< 2$ YR) Count	Service Continuance ( $< 2$ YR) %	Exiting Count	Exiting %	Arriving & Exiting Count	Arriving & Exiting %	Service Continuance ( $\geq 2$ YR) & Exiting Count	Service Continuance ( $\geq 2$ YR) and Exiting %	Total Count	Total %
FY 12-13	64,024	26.0%	17,497	7.1%	19,010	7.7%	45,493	18.5%	87,028	35.4%	12,913	5.2%	245,965	100%
FY 13-14	62,442	23.7%	18,207	6.9%	21,576	8.2%	52,816	20.0%	94,820	36.0%	13,707	5.2%	263,568	100%

**Fiscal Year 12-13 Arrivals, Service Continuance, & Exits Distribution**



**Fiscal Year 13-14 Arrivals, Service Continuance, & Exits Distribution**

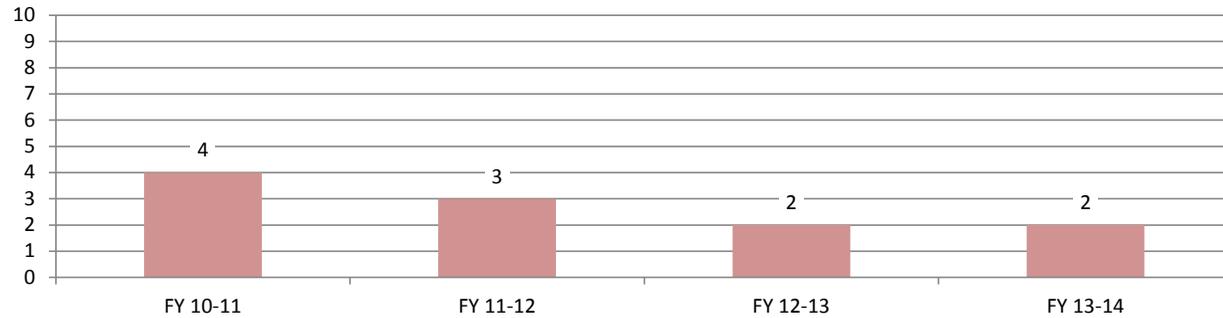


## Time to Step Down Report: Children and Youth Stepping Down in SMHS Services Post Inpatient Discharge

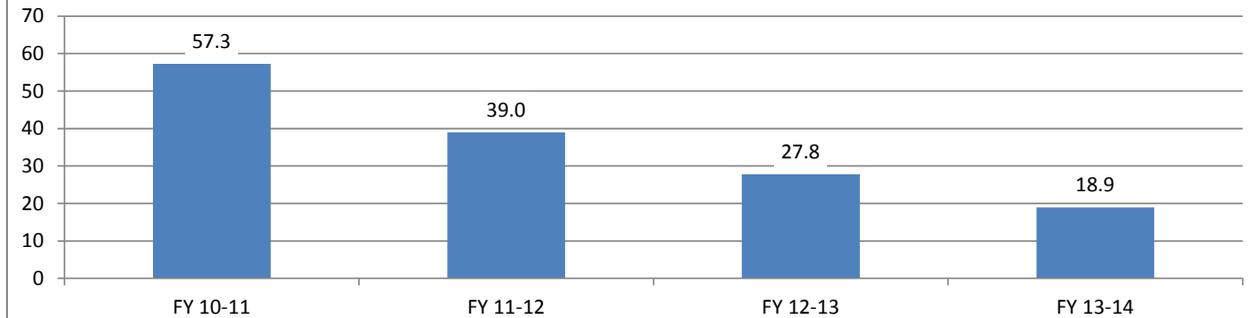
Statewide as of July 28, 2015

Service FY	Count of Inpatient Discharges with Step Down within 7 Days of Discharge	Percentage of Inpatient Discharges with Step Down within 7 Days of Discharge	Count of Inpatient Discharges with Step Down within 30 Days of Discharge	Percentage of Inpatient Discharges with Step Down within 30 Days of Discharge	Count of Inpatient Discharges with a Step Down > 30 Days from Discharge	Percentage of Inpatient Discharges with a Step Down > 30 Days from Discharge	Count of Inpatient Discharges with No Step Down*	Percentage of Inpatient Discharges with No Step Down*	Minimum Number of Days between Discharge and Step Down	Maximum Number of Days between Discharge and Step Down	Mean Time to Next Contact Post Inpatient Discharge (Days)	Median Time to Next Contact Post Inpatient Discharge (Days)
FY 10-11	9,229	53.6%	12,342	71.7%	3,359	19.5%	1,517	8.8%	0	1733	57.3	4
FY 11-12	8,962	57.1%	11,758	74.9%	2,530	16.1%	1,409	9.0%	0	1303	39.0	3
FY 12-13	9,850	61.9%	12,350	77.7%	2,090	13.1%	1,463	9.2%	0	987	27.8	2
FY 13-14	10,660	60.0%	13,619	76.6%	2,079	11.7%	2,070	11.7%	0	624	18.9	2

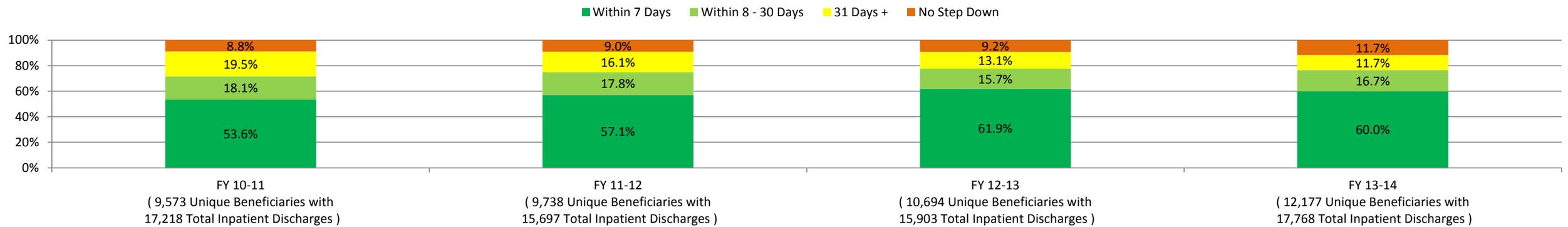
### Median Time Between Inpatient Discharge and Step Down Service in Days



### Mean Time Between Inpatient Discharge and Step Down Service in Days



### Percentage of Discharges by Time Between Inpatient Discharge and Step Down Service



\* **No Step Down** is defined as no Medi-Cal eligible service was claimed through Short-Doyle/Medi-Cal after a claimed inpatient service was billed with a discharge date. This category may include data currently unavailable to DHCS, such as beneficiaries that were moved to a community-based program or beneficiaries that were incarcerated.