

Performance Outcomes System Initial Reports

Report run on February 17, 2015

Background

These are the initial reports for the Performance Outcomes System, the first reports in meeting the intent of the Legislature, as stated in Section 248, 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 will develop a plan for a performance outcomes system for Medi-Cal Specialty Mental Health Services (SMHS) for children and youth in accordance with the requirements of Welfare and Institutions [W&I] Code, Section 14707.5, added by Senate Bill [SB] 1009, Committee on Budget and Fiscal Review, Chapter 34, Statutes of 2012, amended by Assembly Bill [AB] 82, Committee on Budget, Chapter 23, Statutes of 2013.

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; county groups; and county-specific data. These are the initial statewide, aggregate reports created for the Performance Outcomes System; they establish a foundation for on-going reporting and will be updated every six months.

Where possible, the reports provide trend information by displaying information for Fiscal Years 10/11, 11/12, 12/13, and 13/14. As there is a claims reporting and processing lag of up to 12 months, the numbers for 13/14 are not yet 100% complete. Comparison of data submissions from previous years allow an estimation that data submissions for FY 13/14 are approximately 95% complete as of January 1, 2015.

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).

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 FY10/11 through FY13/14.
- Medi-Cal Eligibility Data System (MEDS) data from the Management Information System/Decision Support System (MIS/DSS) FY10/11 through FY13/14.

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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. Go to: http://www.dhcs.ca.gov/individuals/Pages/POS_MC_Sp_MHS-SHAC.aspx

The Measures Catalog is posted in the POS Stakeholder Advisory Committee Section under the Meeting date: February 27, 2015.

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. Go to: http://www.dhcs.ca.gov/individuals/Pages/POS_MC_Sp_MHS-SHAC.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: 6,025,085
- Count of those children and youth claiming for services in FY 13/14: 262,318
- 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 children and youth with 5 or more visits in FY 13/14: 201,192
- 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: \$6,092

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

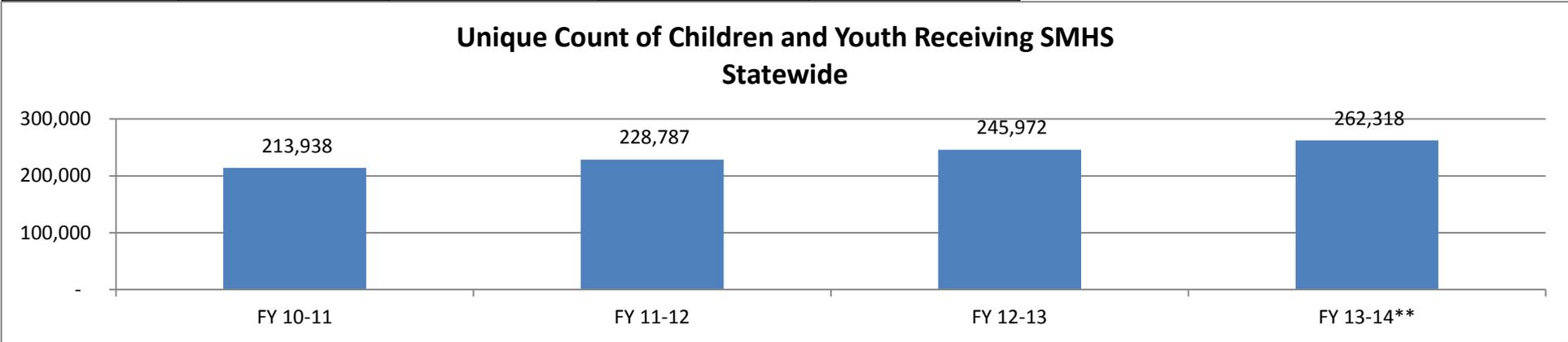
The final report provides insights into how soon after discharge from inpatient services a beneficiary received step down follow up services. For FY 13/14 the median step down was 5 days.

Please contact cmhpos@dhcs.ca.gov for any questions regarding this report.

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

Statewide as of February 17, 2015

SFY	Unique Count Receiving SMHS*	Year-Over-Year Percentage Change	Unique Count of Medi-Cal Eligibles	Year-Over-Year Percentage Change
FY 10-11	213,938		4,680,545	
FY 11-12	228,787	6.9%	4,796,376	2.5%
FY 12-13	245,972	7.5%	5,467,340	14.0%
FY 13-14**	262,318	6.6%	6,025,217	10.2%
Compound Annual Growth Rate SFY***		7.0%		8.9%



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

**FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.

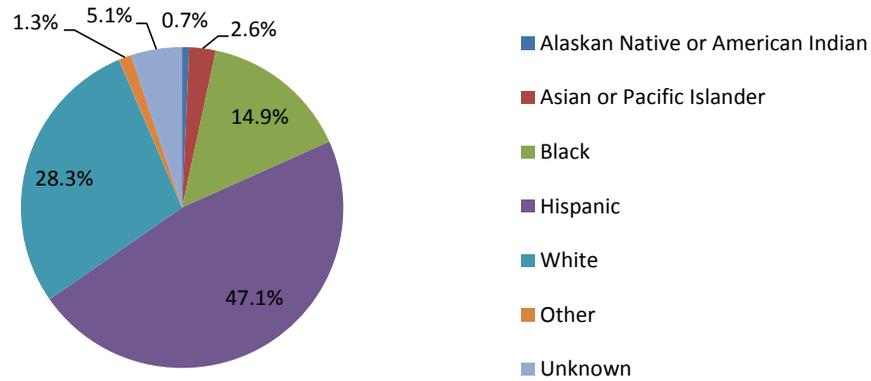
***SFY = State Fiscal Year which is July 1 through June 30.

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

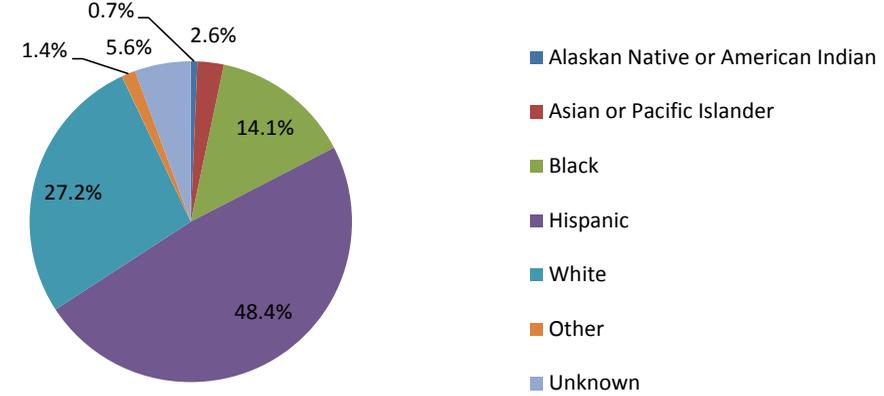
Statewide as of February 17, 2015

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%	31,935	14.9%	100,668	47.1%	60,464	28.3%	2,741	1.3%	10,966	5.1%
FY 11-12	1,504	0.7%	6,030	2.6%	32,211	14.1%	110,770	48.4%	62,233	27.2%	3,194	1.4%	12,845	5.6%
FY 12-13	1,464	0.6%	6,632	2.7%	31,989	13.0%	122,649	49.9%	63,992	26.0%	4,250	1.7%	14,996	6.1%
FY 13-14*	1,470	0.6%	7,636	2.9%	31,403	12.0%	133,299	50.8%	65,488	25.0%	5,389	2.1%	17,633	6.7%

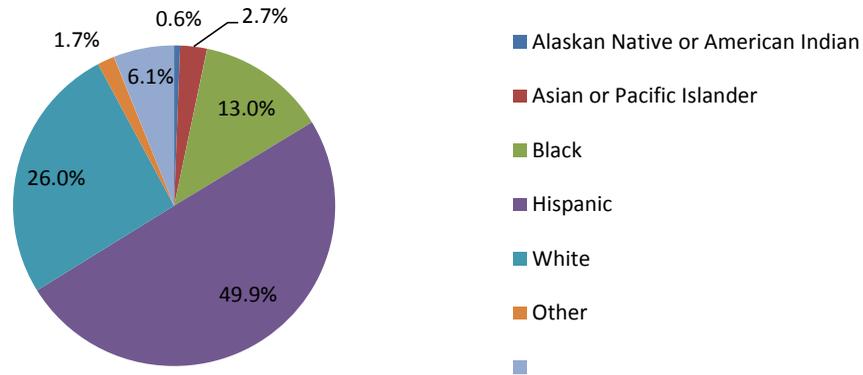
Fiscal Year 10-11 Race Distribution



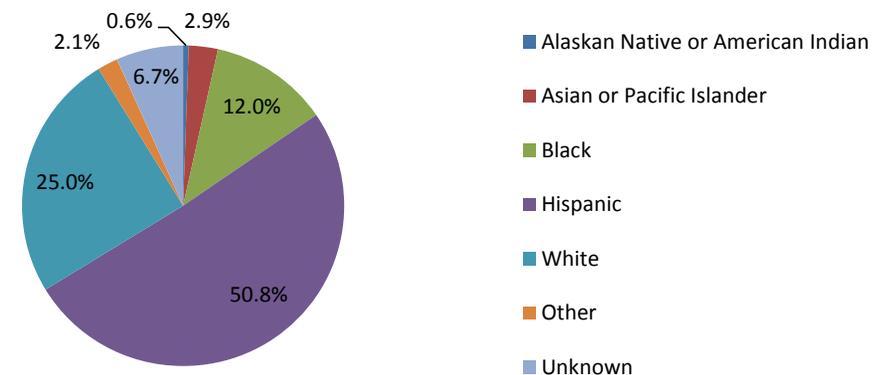
Fiscal Year 11-12 Race Distribution



Fiscal Year 12-13 Race Distribution



Fiscal Year 13-14 Race Distribution



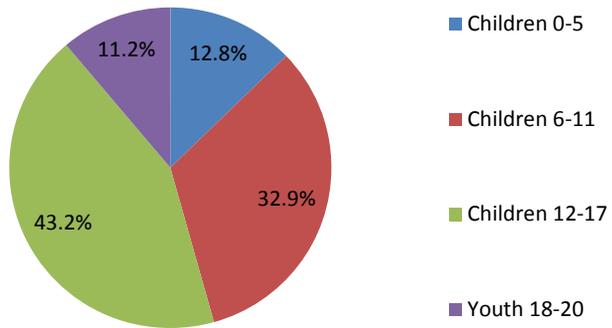
*FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.

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

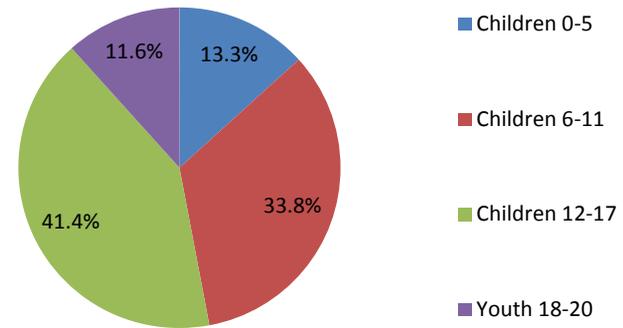
Statewide as of February 17, 2015

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%	92,422	43.2%	23,890	11.2%
FY 11-12	30,315	13.3%	77,240	33.8%	94,628	41.4%	26,604	11.6%
FY 12-13	31,708	12.9%	84,494	34.4%	101,813	41.4%	27,957	11.4%
FY 13-14*	32,608	12.4%	89,925	34.3%	109,810	41.9%	29,975	11.4%

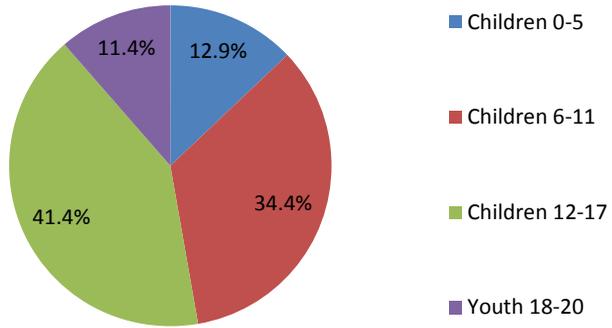
Fiscal Year 10-11 Age Group Distribution



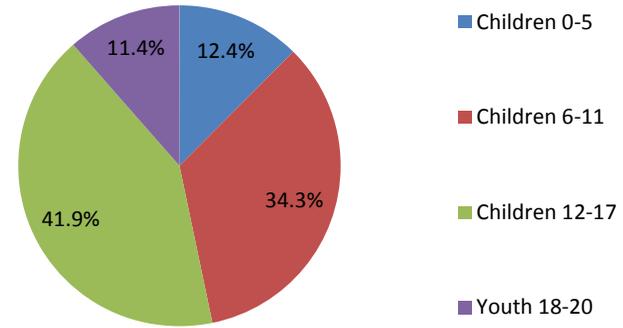
Fiscal Year 11-12 Age Group Distribution



Fiscal Year 12-13 Age Group Distribution



Fiscal Year 12-13 Age Group Distribution

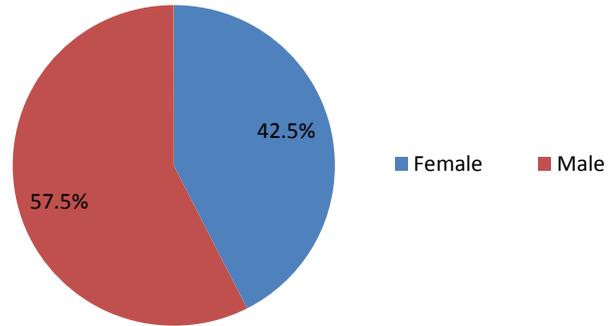


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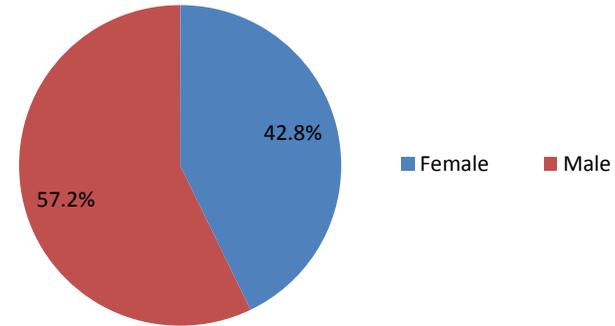
Demographics Report: Unique Count of Children and Youth by Fiscal Year
Statewide as of February 17, 2015

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 10-11	90,906	42.5%	123,032	57.5%
FY 11-12	97,939	42.8%	130,848	57.2%
FY 12-13	106,152	43.2%	139,820	56.8%
FY 13-14*	115,237	43.9%	147,081	56.1%

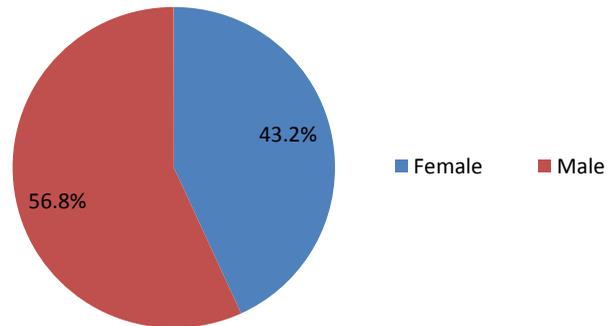
Fiscal Year 10-11 Gender Distribution



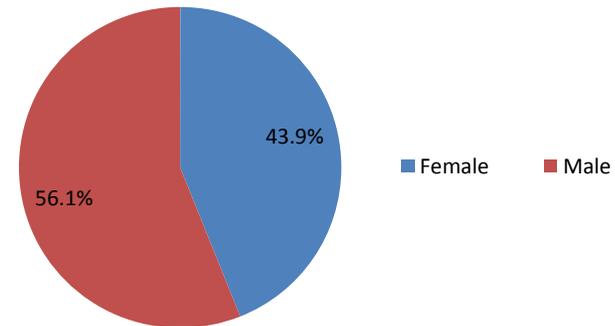
Fiscal Year 11-12 Gender Distribution



Fiscal Year 12-13 Gender Distribution



Fiscal Year 13-14 Gender Distribution

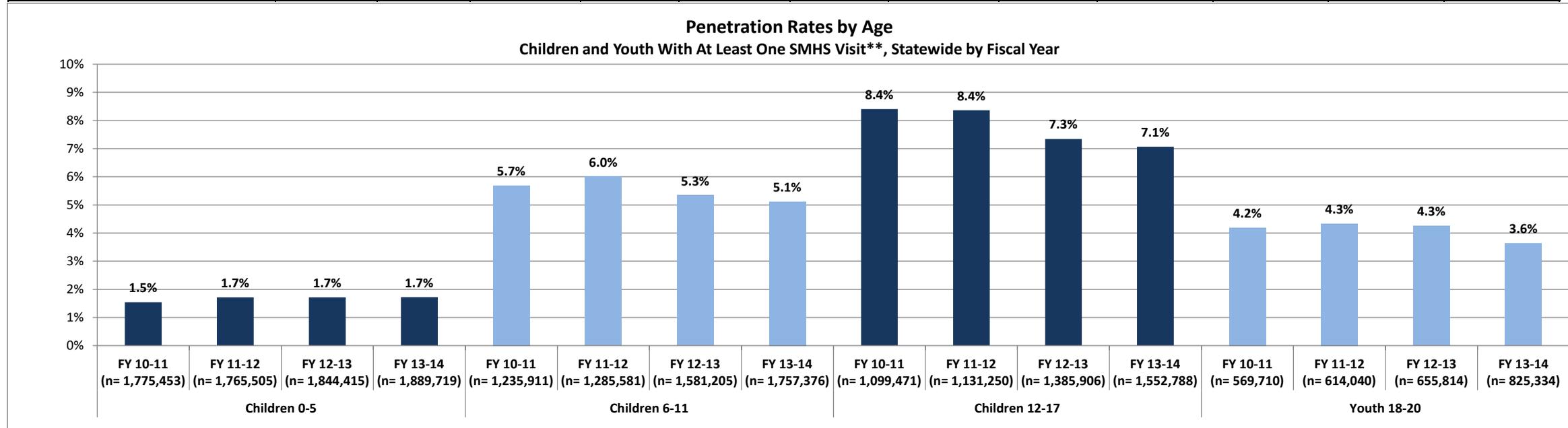


*FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.

Penetration Rates* Report: SMHS Children and Youth Groups by Fiscal Year

Children and Youth With At Least One SMHS Visit**, Statewide as of February 17, 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
Statewide	213,938	4,680,545	4.6%	228,787	4,796,376	4.8%	245,972	5,467,340	4.5%	262,318	6,025,217	4.4%
Age Groups												
Children 0-5	27,291	1,775,453	1.5%	30,315	1,765,505	1.7%	31,708	1,844,415	1.7%	32,608	1,889,719	1.7%
Children 6-11	70,335	1,235,911	5.7%	77,240	1,285,581	6.0%	84,494	1,581,205	5.3%	89,925	1,757,376	5.1%
Children 12-17	92,422	1,099,471	8.4%	94,628	1,131,250	8.4%	101,813	1,385,906	7.3%	109,810	1,552,788	7.1%
Youth 18-20	23,890	569,710	4.2%	26,604	614,040	4.3%	27,957	655,814	4.3%	29,975	825,334	3.6%
Race												
Alaskan Native or American Indian	1,519	20,513	7.4%	1,504	20,332	7.4%	1,464	20,705	7.1%	1,470	21,928	6.7%
Asian or Pacific Islander	5,645	312,496	1.8%	6,030	313,227	1.9%	6,632	393,082	1.7%	7,636	468,833	1.6%
Black	31,935	423,917	7.5%	32,211	427,950	7.5%	31,989	439,064	7.3%	31,403	451,885	6.9%
Hispanic	100,668	2,763,887	3.6%	110,770	2,831,346	3.9%	122,649	3,219,618	3.8%	133,299	3,432,183	3.9%
White	60,464	725,523	8.3%	62,233	736,537	8.4%	63,992	807,074	7.9%	65,488	917,260	7.1%
Other	2,741	110,550	2.5%	3,194	114,997	2.8%	4,250	163,758	2.6%	5,389	216,067	2.5%
Unknown	10,966	323,659	3.4%	12,845	351,987	3.6%	14,996	424,039	3.5%	17,633	517,061	3.4%
Gender												
Female	90,906	2,321,687	3.9%	97,939	2,383,189	4.1%	106,152	2,705,608	3.9%	115,237	2,974,819	3.9%
Male	123,032	2,358,858	5.2%	130,848	2,413,187	5.4%	139,820	2,761,732	5.1%	147,081	3,050,398	4.8%



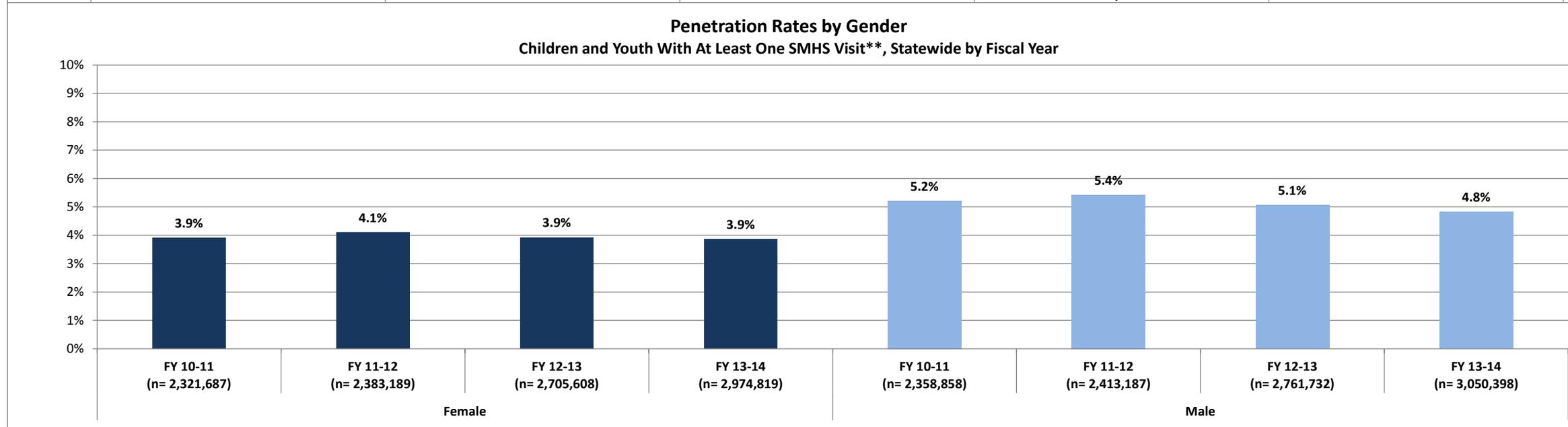
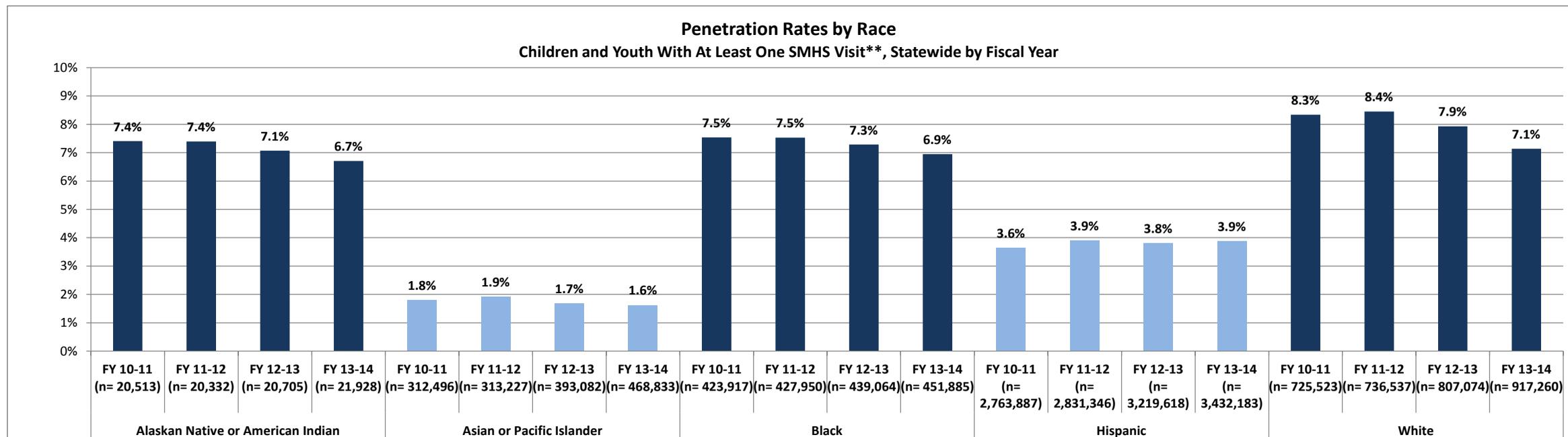
*SMHS Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have been claimed for SMHS via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

**Children and Youth that have been claimed for SMHS via the Short-Doyle/ Medi-Cal claiming system on at least one (1) date in the Fiscal Year.

***FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.

Penetration Rates* Report: SMHS Children and Youth Groups by Fiscal Year

Children and Youth With At Least One SMHS Visit**, Statewide as of February 17, 2015



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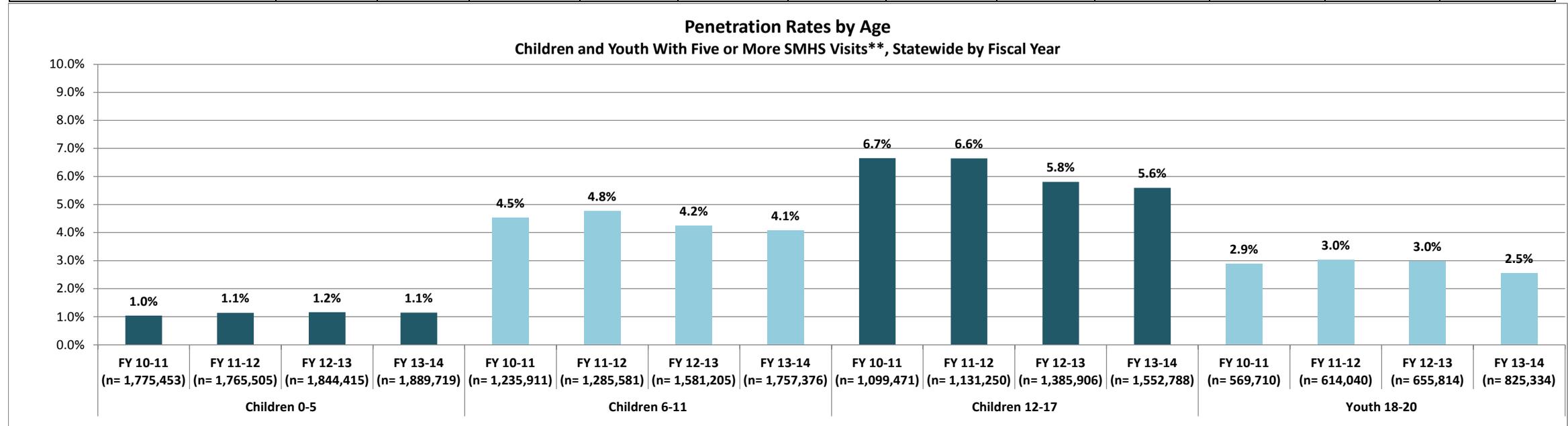
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Penetration Rates* Report: SMHS Children and Youth Groups by Fiscal Year

Children and Youth With Five or More SMHS Visits**, Statewide as of February 17, 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
Statewide	164,002	4,680,545	3.5%	175,348	4,796,376	3.7%	188,502	5,467,340	3.4%	201,192	6,025,217	3.3%
Age Groups												
Children 0-5	18,411	1,775,453	1.0%	20,165	1,765,505	1.1%	21,388	1,844,415	1.2%	21,641	1,889,719	1.1%
Children 6-11	55,965	1,235,911	4.5%	61,403	1,285,581	4.8%	67,016	1,581,205	4.2%	71,642	1,757,376	4.1%
Children 12-17	73,127	1,099,471	6.7%	75,217	1,131,250	6.6%	80,514	1,385,906	5.8%	86,870	1,552,788	5.6%
Youth 18-20	16,499	569,710	2.9%	18,563	614,040	3.0%	19,584	655,814	3.0%	21,039	825,334	2.5%
Race												
Alaskan Native or American Indian	1,123	20,513	5.5%	1,138	20,332	5.6%	1,103	20,705	5.3%	1,073	21,928	4.9%
Asian or Pacific Islander	4,308	312,496	1.4%	4,556	313,227	1.5%	5,101	393,082	1.3%	5,815	468,833	1.2%
Black	24,592	423,917	5.8%	24,936	427,950	5.8%	24,691	439,064	5.6%	24,163	451,885	5.3%
Hispanic	76,260	2,763,887	2.8%	83,815	2,831,346	3.0%	93,234	3,219,618	2.9%	101,689	3,432,183	3.0%
White	46,728	725,523	6.4%	48,245	736,537	6.6%	49,310	807,074	6.1%	50,448	917,260	5.5%
Other	2,107	110,550	1.9%	2,464	114,997	2.1%	3,227	163,758	2.0%	4,155	216,067	1.9%
Unknown	8,884	323,659	2.7%	10,194	351,987	2.9%	11,836	424,039	2.8%	13,849	517,061	2.7%
Gender												
Female	68,646	2,321,687	3.0%	74,156	2,383,189	3.1%	80,529	2,705,608	3.0%	87,447	2,974,819	2.9%
Male	95,356	2,358,858	4.0%	101,192	2,413,187	4.2%	107,973	2,761,732	3.9%	113,745	3,050,398	3.7%



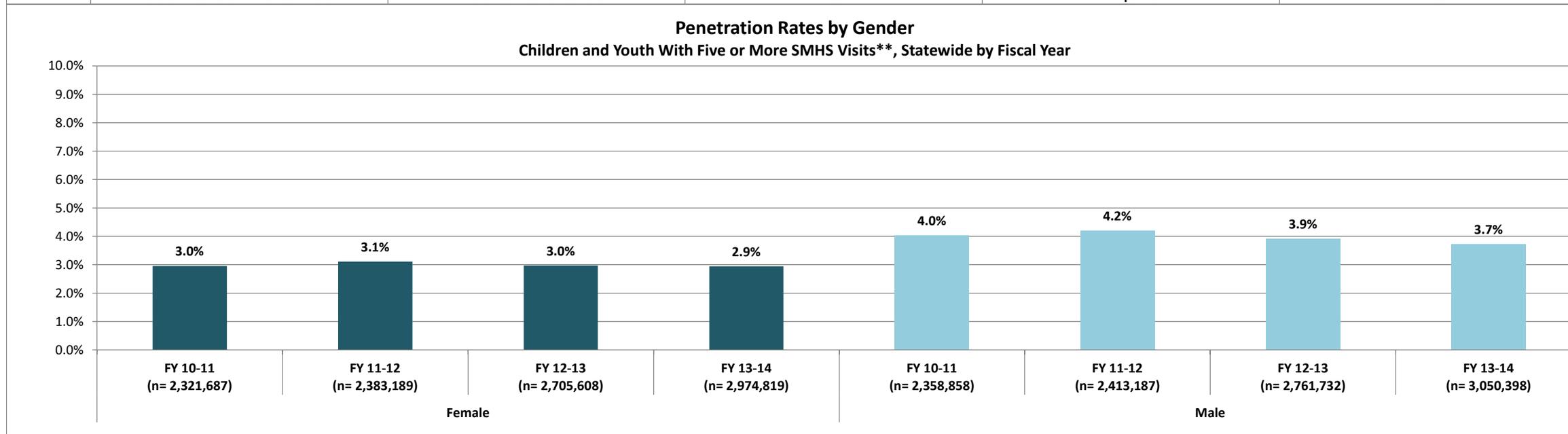
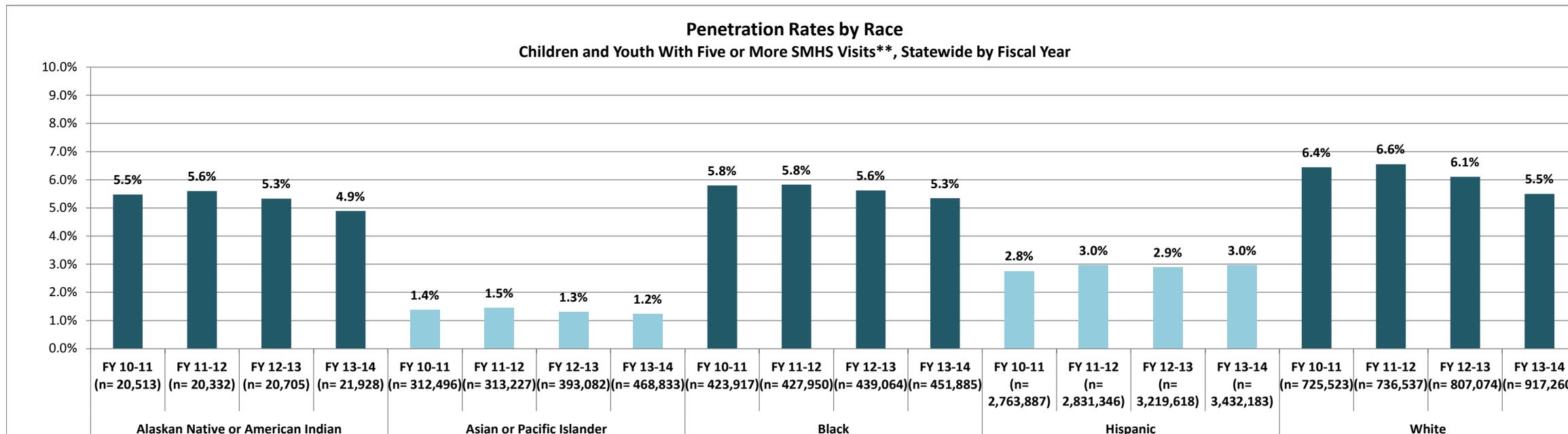
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Penetration Rates* Report: SMHS Children and Youth Groups by Fiscal Year

Children and Youth With Five or More SMHS Visits**, Statewide as of February 17, 2015



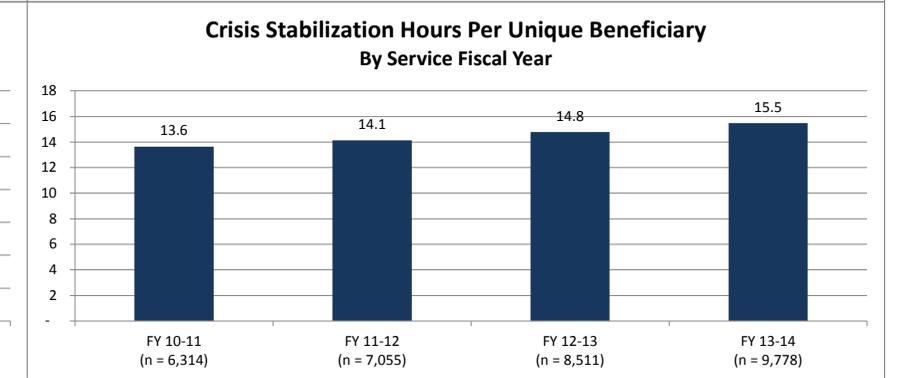
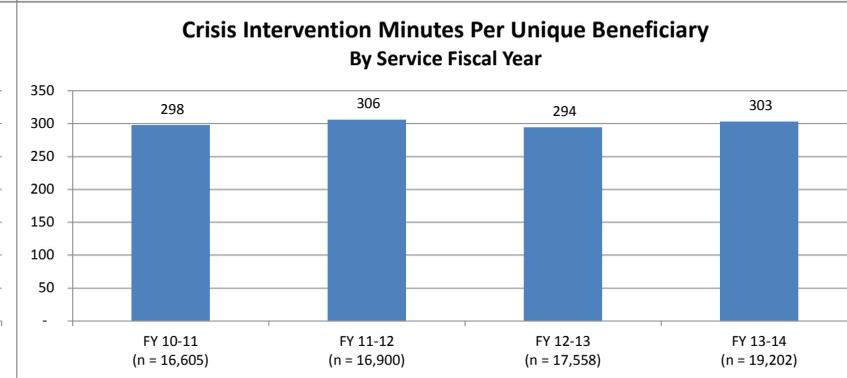
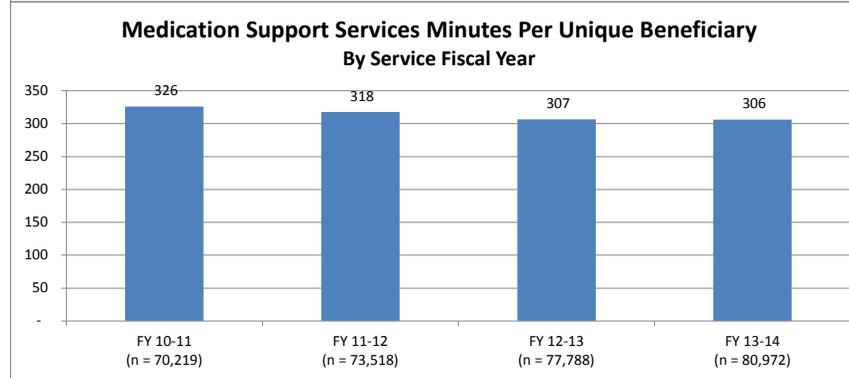
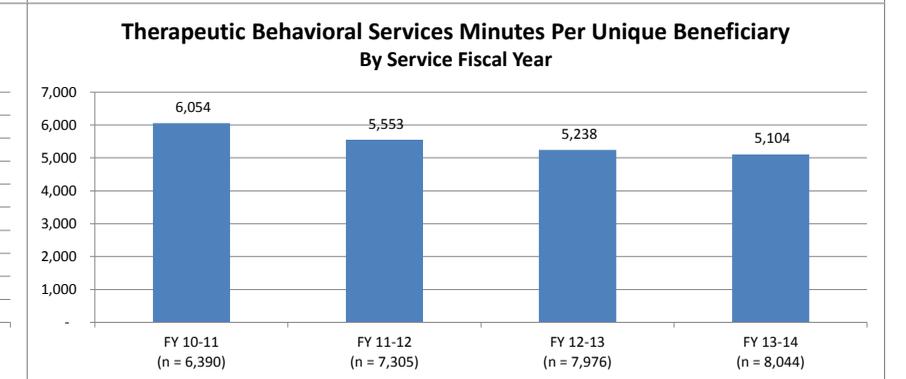
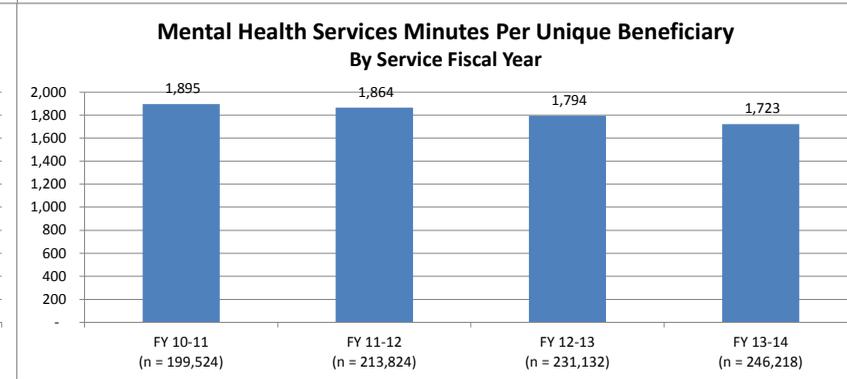
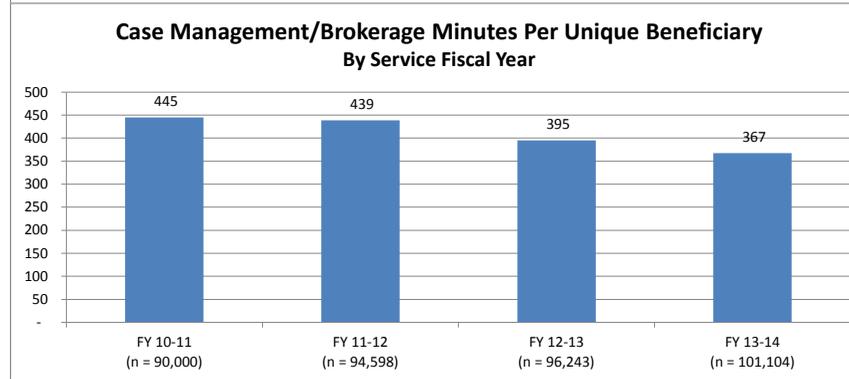
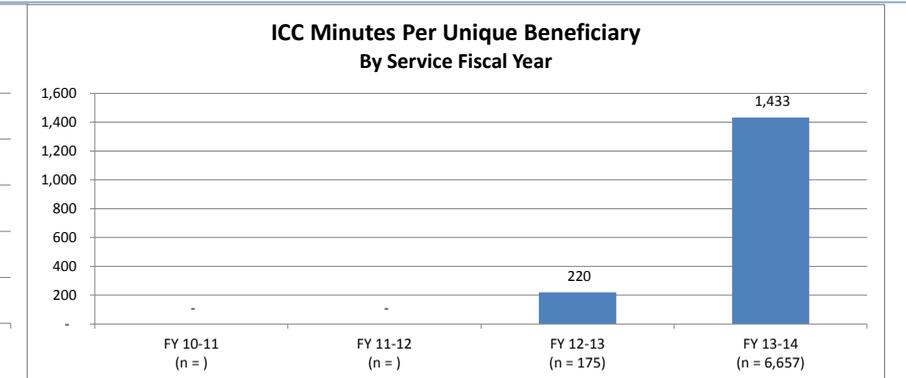
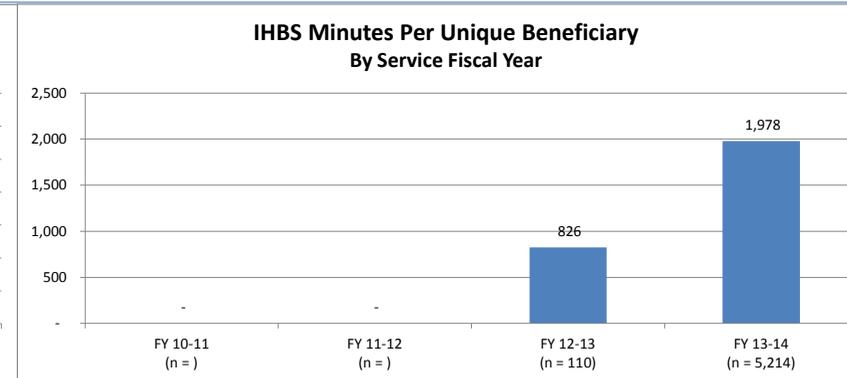
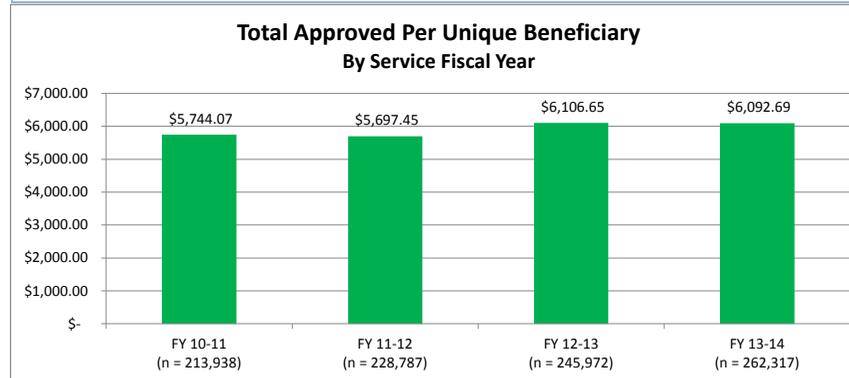
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**Utilization Report*: Approved Specialty Mental Health Services for Children and Youth
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year**
Large Population Counties as of February 17, 2015**

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)	Day Treatment Intensive (1/2 Day Increments)	Day Rehabilitation (1/2 Day Increments)	Hospital Inpatient (Days)	Hospital Inpatient Admin (Days)	Crisis Residential Treatment Services (Days)	Adult Residential Treatment Services (Days)	Psychiatric Health Facility (Days)
FY 10-11	\$ 5,744.07	-	-	445	1,895	6,054	326	298	14	571	479	7	10	16	91	14
FY 11-12	\$ 5,697.45	-	-	439	1,864	5,553	318	306	14	562	418	7	11	13	77	13
FY 12-13	\$ 6,106.65	826	220	395	1,794	5,238	307	294	15	545	443	7	13	18	93	15
FY 13-14	\$ 6,092.69	1,978	1,433	367	1,723	5,104	306	303	15	531	459	8	14	18	100	15
MEAN	\$ 5,910.22	1,402	826	411	1,819	5,487	314	301	15	552	450	7	12	16	90	14

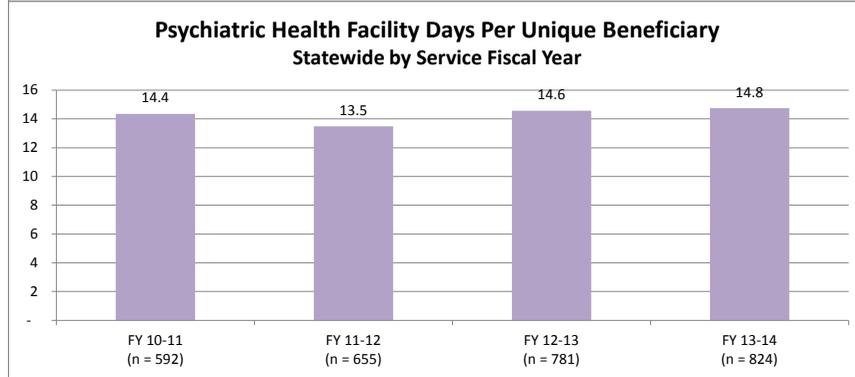
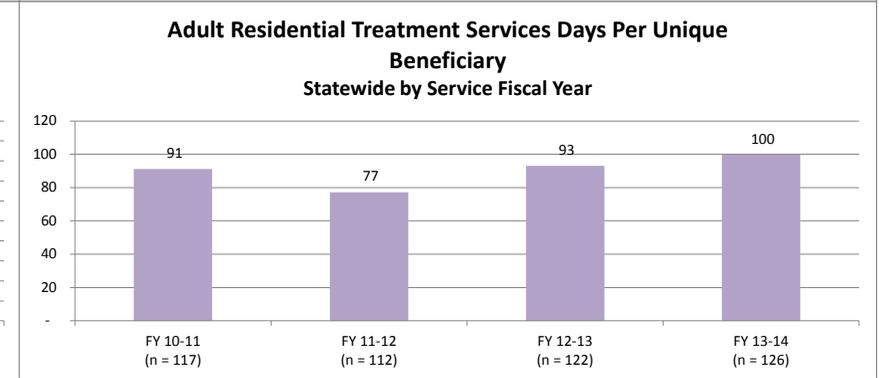
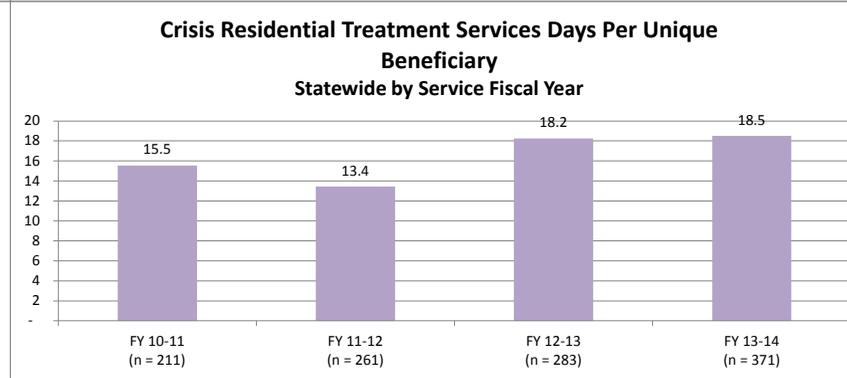
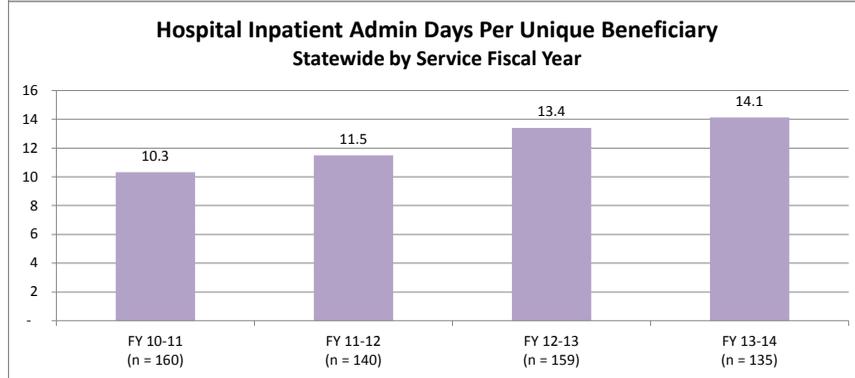
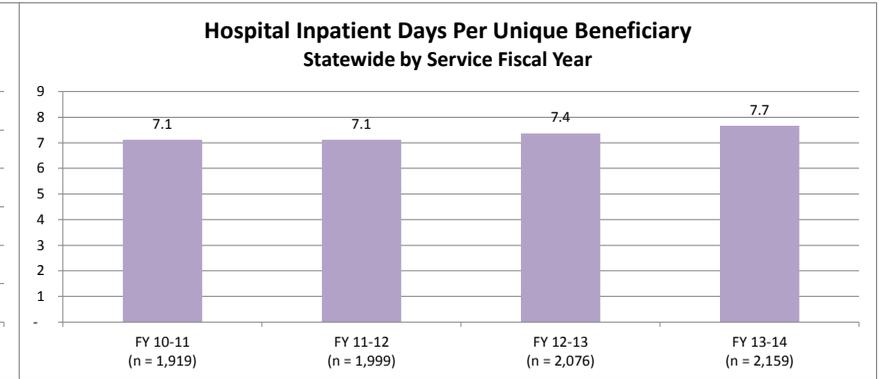
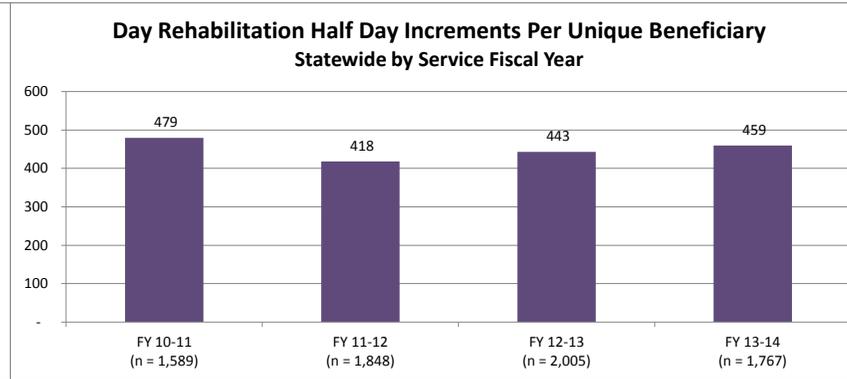
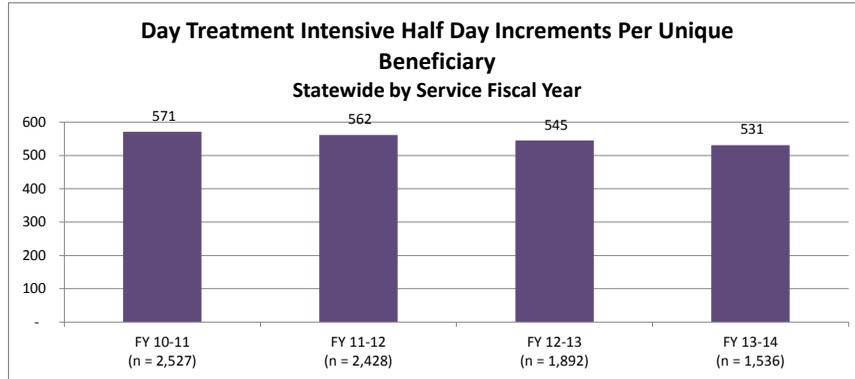


*The graphs are color coded so that those reported in the same unit of analysis (e.g., minutes) are colored similarly.

**FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.

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 February 17, 2015**



*The graphs are color coded so that those reported in the same unit of analysis (e.g., minutes) are colored similarly.

**FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.

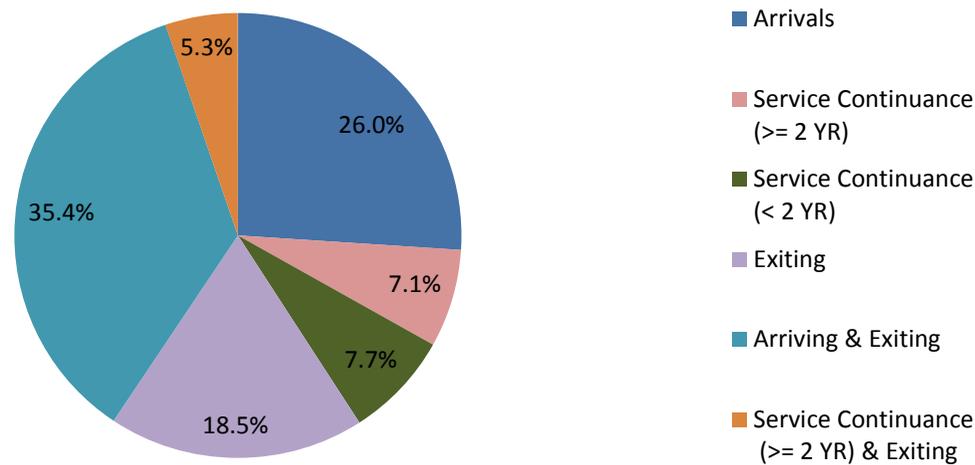
Please note that (n) values listed at the bottom of each bar graph represent the actual number of children/youth that received the SMHS represented in their respective graph by Fiscal Year.

Snapshot Report: Unique Count of Children and Youth Receiving SMHS Arriving, Exiting, and with Service Continuance by Fiscal Year Statewide as of February 17, 2015

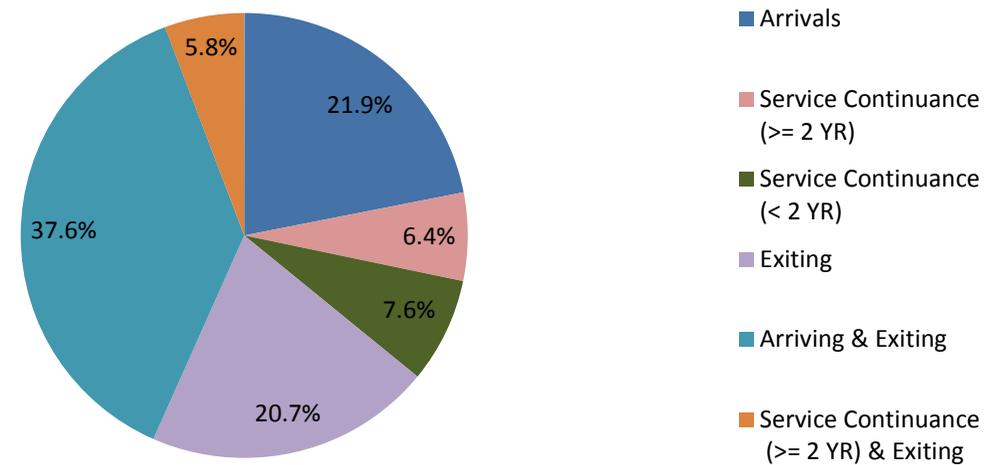
Category	Description (Please refer to the Measures Catalog for more detailed descriptions on all Performance Outcomes System measures.)
Arrivals	Children/Youth that did not receive any SMHS within 3 months of their first date of service in the Fiscal Year.
Service Continuance	Children/Youth receiving continuous services with no breaks in service greater than 90 days for a period of at least 2 years (≥ 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 Arrivals and Exiting 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 (≥ 2 YR) Count	Service Continuance (≥ 2 YR) %	Service Continuance (< 2 YR) Count	Service Continuance (< 2 YR) %	Exiting Count	Exiting %	Arriving & Exiting Count	Arriving & Exiting %	Service Continuance (≥ 2 YR) & Exiting Count	Service Continuance (≥ 2 YR) and Exiting %	Total Count	Total %
FY 12-13	64,036	26.0%	17,501	7.1%	19,012	7.7%	45,490	18.5%	87,019	35.4%	12,914	5.3%	245,972	100%
FY 13-14*	57,411	21.9%	16,791	6.4%	20,045	7.6%	54,355	20.7%	98,582	37.6%	15,133	5.8%	262,317	100%

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



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



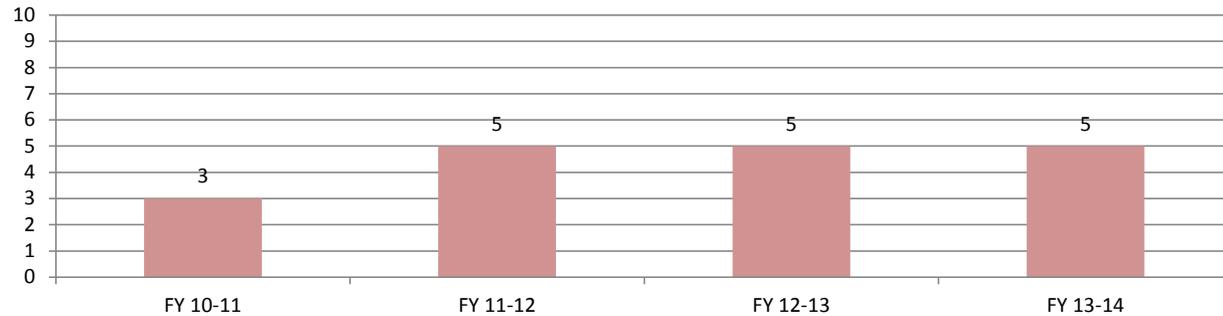
*FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.

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

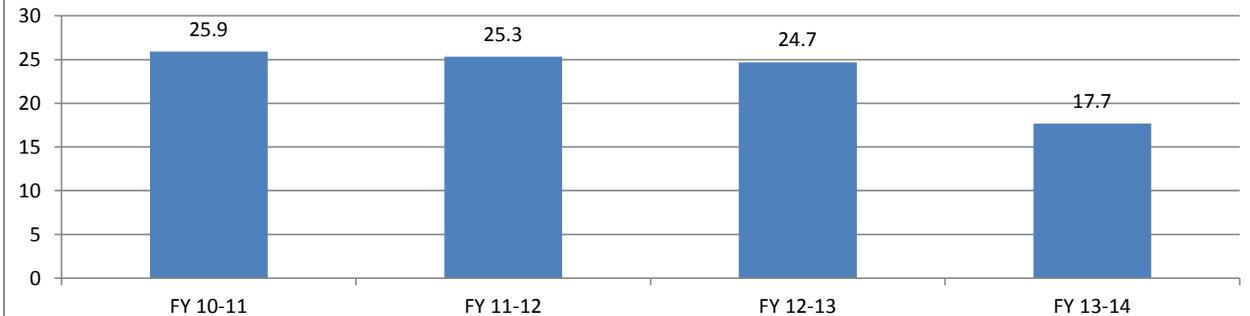
Statewide as of February 17, 2015

Service FY	Count of Beneficiaries with Step Down within 7 Days of Discharge	Percentage of Beneficiaries with Step Down within 7 Days of Discharge	Count of Beneficiaries with Step Down within 30 Days of Discharge	Percentage of Beneficiaries with Step Down within 30 Days of Discharge	Count of Beneficiaries with a Step Down > 30 Days from Discharge	Percentage of Beneficiaries with a Step Down > 30 Days from Discharge	Count of Beneficiaries with No Step Down*	Percentage of Beneficiaries 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	580	51.7%	813	72.5%	167	14.9%	141	12.6%	1	1369	25.9	3
FY 11-12	744	49.9%	1092	73.3%	200	13.4%	198	13.3%	1	979	25.3	5
FY 12-13	862	52.8%	1226	75.1%	250	15.3%	157	9.6%	1	672	24.7	5
FY 13-14	769	50.0%	1147	74.5%	195	12.7%	197	12.8%	1	498	17.7	5

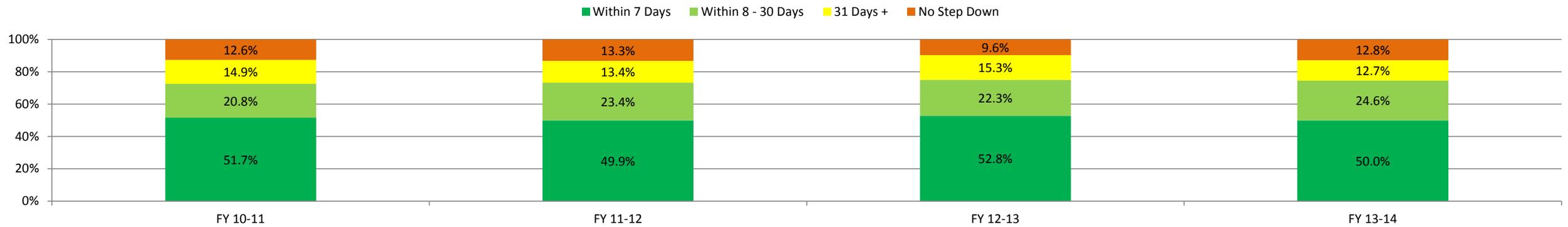
Median Time Between Inpatient Discharge and Step Down Service in Days



Mean Time Between Inpatient Discharge and Step Down Service in Days



Percentage of Beneficiaries 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.