Performance Outcomes System Initial Reports

Report run on July 29, 2015

Background

This is the first round of county-specific reporting produced for the Performance Outcomes System which reflects a refresh of the data on the indicators that were reported in February 2015 at the statewide aggregate level. 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

Moving forward, three reports will be created during each new reporting period. The reports that will be produced are the following: statewide aggregate data; population-based county groups; and county-specific data. These are the first county-specific reports providing updated information on the initial indicators that were developed for the Performance Outcomes System and reported on at the statewide aggregate level in February 2015; they help establish a foundation for on-going reporting. DHCS plans to move to annual reporting of this data for the Performance Outcomes System.

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.

Performance Outcomes System Initial Reports

Report run on July 29, 2015

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/provgovpart/pos/Pages/Performance-Outcomes-System-Reports-and-Measures-Catalog.aspx

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: http://www.dhcs.ca.gov/provgovpart/pos/Pages/default.aspx

Report Interpretation

*County-specific findings may be interpreted alongside the POS statewide and population-based report findings.

*The ***penetration rates*** reported here were calculated using a different methodology than that used by the External Quality Review Organization (EQRO). The differences in methodology make comparison between the POS penetration rates and the EQRO penetration rates not appropriate or useful. The POS methodology for calculating penetration rates was selected because it is easier to compute, more straightforward to interpret, and is in use by other states and counties. For the POS, the penetration rate is calculated by taking the total number of youth who received X number of Specialty Mental Health Services (1 or 5 for POS) in a FY and dividing that by the total number of Medi-Cal eligible youth for that FY. This methodology results in lower penetration rates as compared to the EQRO rates, but it does so across the board so that all counties and the state will be similarly impacted.

*The ***snapshot*** report provides a point-in-time look at children and youth's movement through the SMHS system. The report uses five general categories to classify if a youth is entering, exiting, continuing services, or a combination of these categories (e.g., arriving and exiting). As of now, this report only classifies youth and their service usage for FY 12/13 and FY13/14. Eventually the snapshot data will be used along with measures of service effectiveness to identify whether youth are improving as a result of receiving services from the time they first arrived in the system to when they exit the system. This methodology was adapted from the California Mental Health and Substance Use System Needs Assessment (2012). More information on the original methodology can be found here: http://www.dhcs.ca.gov/provgovpart/Documents/1115 Waiver Behavioral Health-Services-Needs-Assessment-3.1.pos/Pages/Performance-Outcomes-System-Reports-and-Measures-Catalog.aspx

*The psychiatric emergency services/hospital data reported on in the ***time to step-down services*** report relies solely on claims data from Short Doyle/Medi-Cal II. In the future this report will incorporate other outpatient and inpatient Medi-Cal SMHS' billed through the Managed Care healthcare delivery systems.

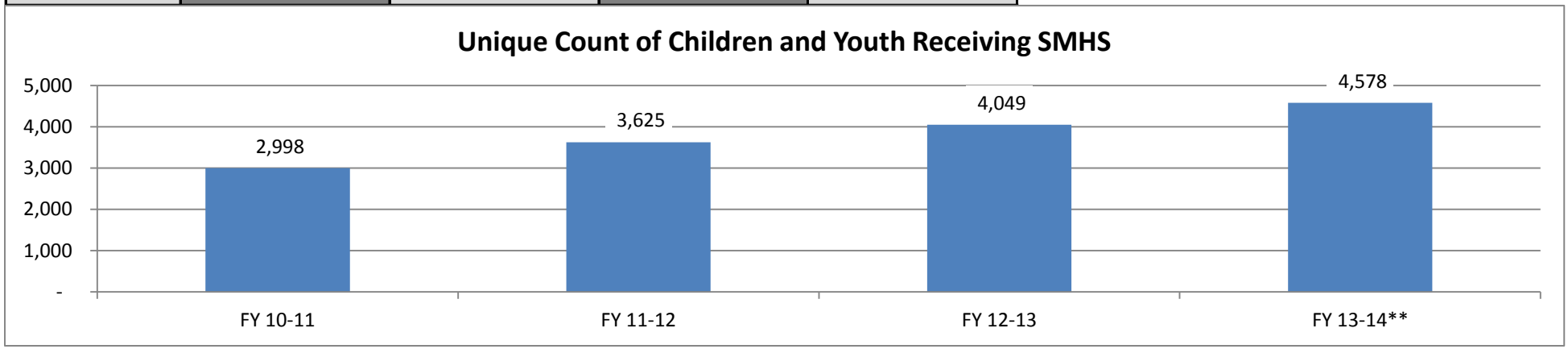
*DHCS is in process of updating the data source for the two following types of Service Usage: ***Hospital Inpatient*** and ***Hospital Inpatient Admin..*** This is being done to ensure the findings are complete. June 2016 is slated for an update of the POS reports and will include fee-for service data where it is appropriate.

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

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

San Joaquin County 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
FY 10-11	2,998		113,880	
FY 11-12	3,625	20.9%	116,869	2.6%
FY 12-13	4,049	11.7%	129,263	10.6%
FY 13-14**	4,578	13.1%	145,126	12.3%
Compound Annual Growth Rate SFY**		**15.2%**		**8.4%**



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

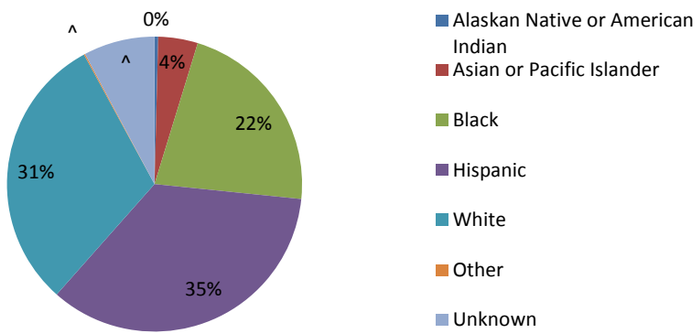
***SFY = State Fiscal Year which is July 1 through June 30.*

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

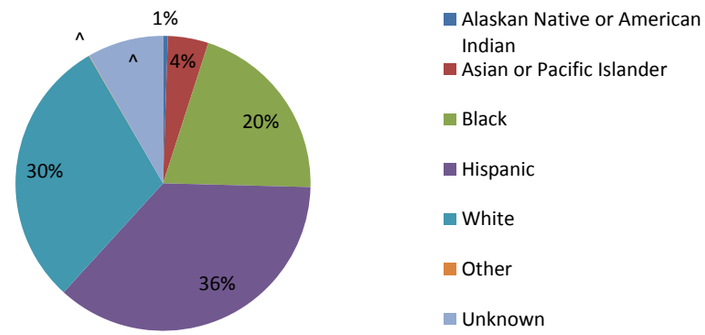
San Joaquin County as of July 29, 2015

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	12	0.4%	130	4.3%	656	21.9%	1,047	34.9%	915	30.5%	^	^	^	^
FY 11-12	19	0.5%	161	4.4%	741	20.4%	1,318	36.4%	1,082	29.8%	^	^	^	^
FY 12-13	19	0.5%	153	3.8%	778	19.2%	1,548	38.2%	1,171	28.9%	14	0.3%	366	9.0%
FY 13-14	16	0.3%	198	4.3%	874	19.1%	1,741	38.0%	1,268	27.7%	15	0.3%	466	10.2%

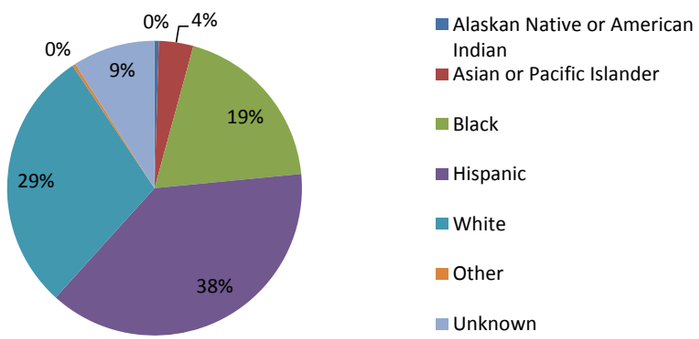
Fiscal Year 10-11 Race Distribution



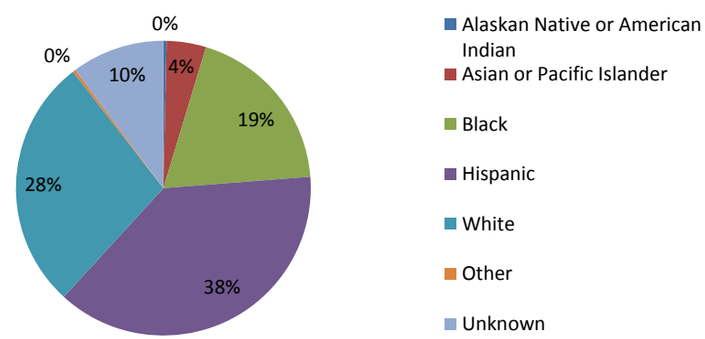
Fiscal Year 11-12 Race Distribution



Fiscal Year 12-13 Race Distribution



Fiscal Year 13-14 Race Distribution



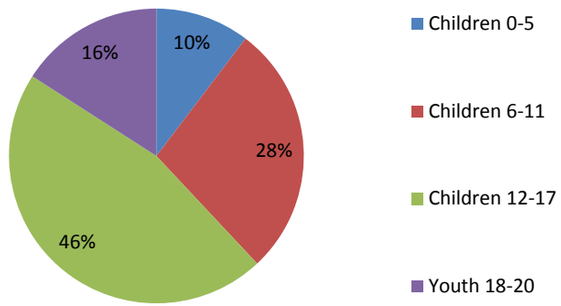
^ Data has been suppressed to protect patient privacy.

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

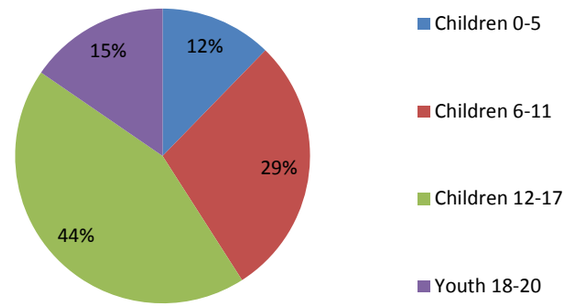
San Joaquin County as of July 29, 2015

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	310	10.3%	830	27.7%	1,381	46.1%	477	15.9%
FY 11-12	445	12.3%	1,039	28.7%	1,582	43.6%	559	15.4%
FY 12-13	495	12.2%	1,172	28.9%	1,765	43.6%	617	15.2%
FY 13-14	600	13.1%	1,269	27.7%	2,020	44.1%	689	15.1%

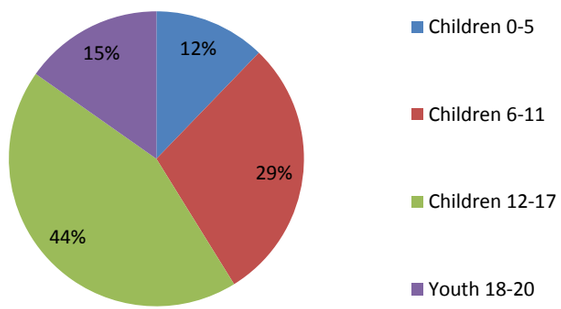
Fiscal Year 10-11 Age Group Distribution



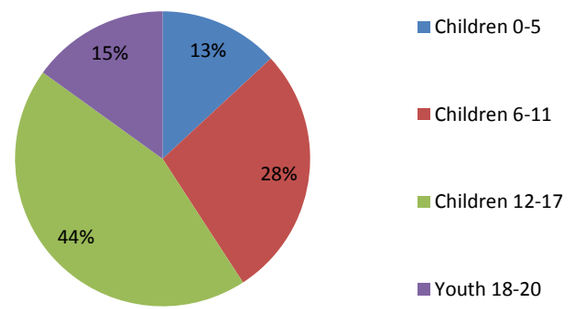
Fiscal Year 11-12 Age Group Distribution



Fiscal Year 12-13 Age Group Distribution



Fiscal Year 13-14 Age Group Distribution



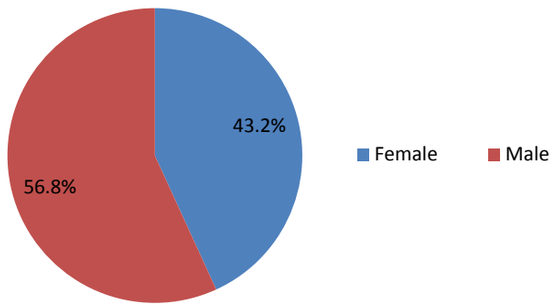
^ Data has been suppressed to protect patient privacy.

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

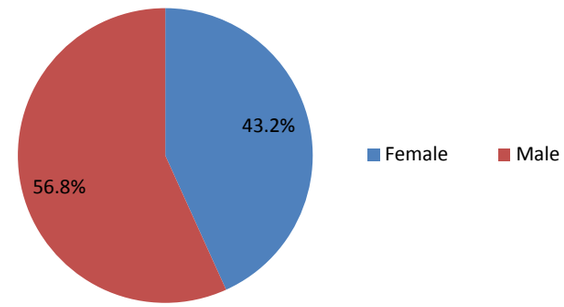
San Joaquin County as of July 29, 2015

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 10-11	1,294	43.2%	1,704	56.8%
FY 11-12	1,567	43.2%	2,058	56.8%
FY 12-13	1,764	43.6%	2,285	56.4%
FY 13-14	2,067	45.2%	2,511	54.8%

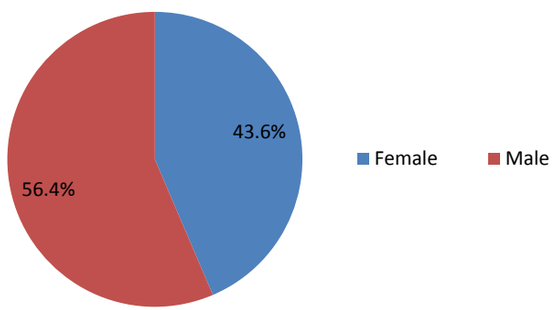
Fiscal Year 10-11 Gender Distribution



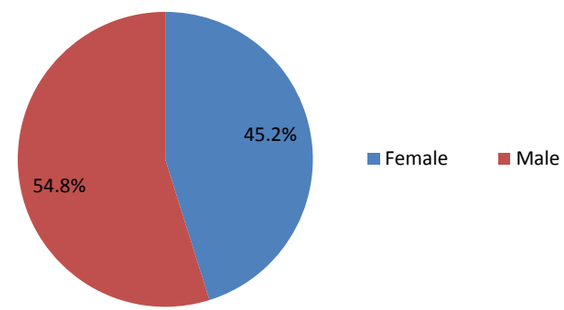
Fiscal Year 11-12 Gender Distribution



Fiscal Year 12-13 Gender Distribution



Fiscal Year 13-14 Gender Distribution



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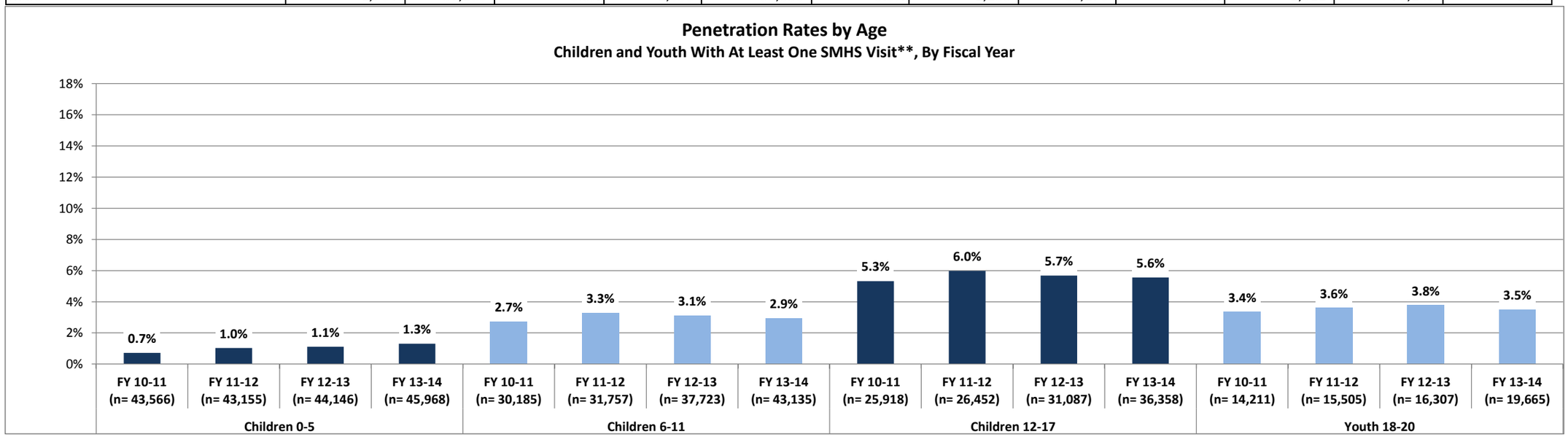
Penetration Rates* Report: Children and Youth With At Least One SMHS Visit**

San Joaquin County 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
All	**2,998**	**113,880**	**2.6%**	**3,625**	**116,869**	**3.1%**	**4,049**	**129,263**	**3.1%**	**4,578**	**145,126**	**3.2%**
Children 0-5	310	43,566	0.7%	445	43,155	1.0%	495	44,146	1.1%	600	45,968	1.3%
Children 6-11	830	30,185	2.7%	1,039	31,757	3.3%	1,172	37,723	3.1%	1,269	43,135	2.9%
Children 12-17	1,381	25,918	5.3%	1,582	26,452	6.0%	1,765	31,087	5.7%	2,020	36,358	5.6%
Youth 18-20	477	14,211	3.4%	559	15,505	3.6%	617	16,307	3.8%	689	19,665	3.5%
Alaskan Native or American Indian	12	278	4.3%	19	280	6.8%	19	255	7.5%	16	266	6.0%
Asian or Pacific Islander	130	14,523	0.9%	161	14,433	1.1%	153	15,606	1.0%	198	18,046	1.1%
Black	656	13,300	4.9%	741	13,322	5.6%	778	13,522	5.8%	874	14,106	6.2%
Hispanic	1,047	57,149	1.8%	1,318	58,927	2.2%	1,548	66,061	2.3%	1,741	72,743	2.4%
White	915	19,274	4.7%	1,082	19,381	5.6%	1,171	20,289	5.8%	1,268	22,282	5.7%
Other	^	1,037	^	^	926	^	14	844	1.7%	15	901	1.7%
Unknown	^	8,319	^	^	9,600	^	366	12,686	2.9%	466	16,782	2.8%
Female	1,294	56,694	2.3%	1,567	58,039	2.7%	1,764	63,987	2.8%	2,067	71,877	2.9%
Male	1,704	57,186	3.0%	2,058	58,830	3.5%	2,285	65,276	3.5%	2,511	73,249	3.4%



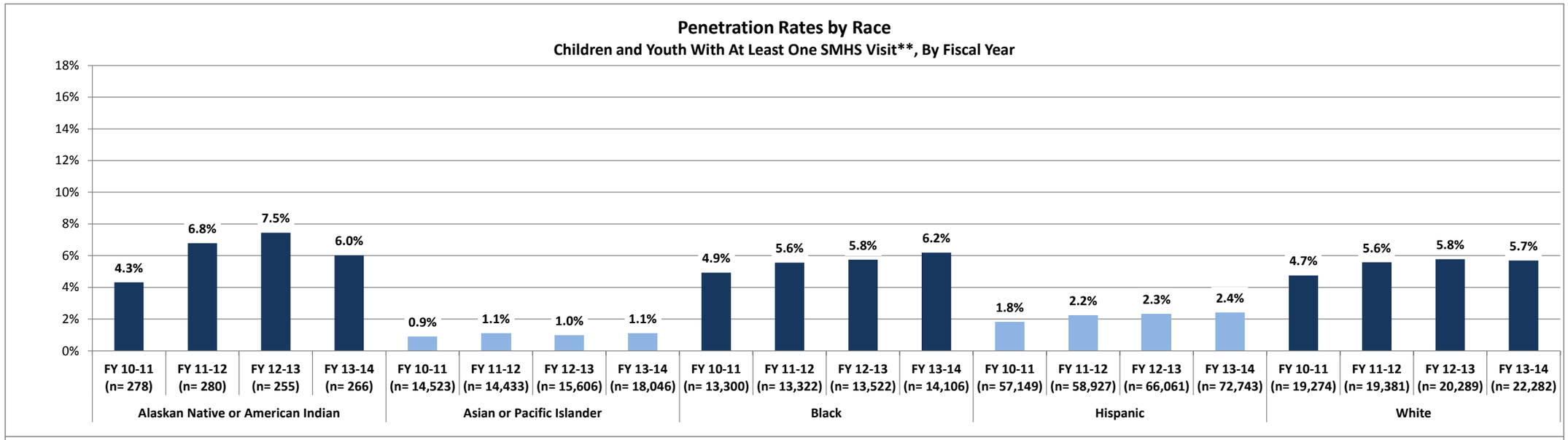
**Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.*

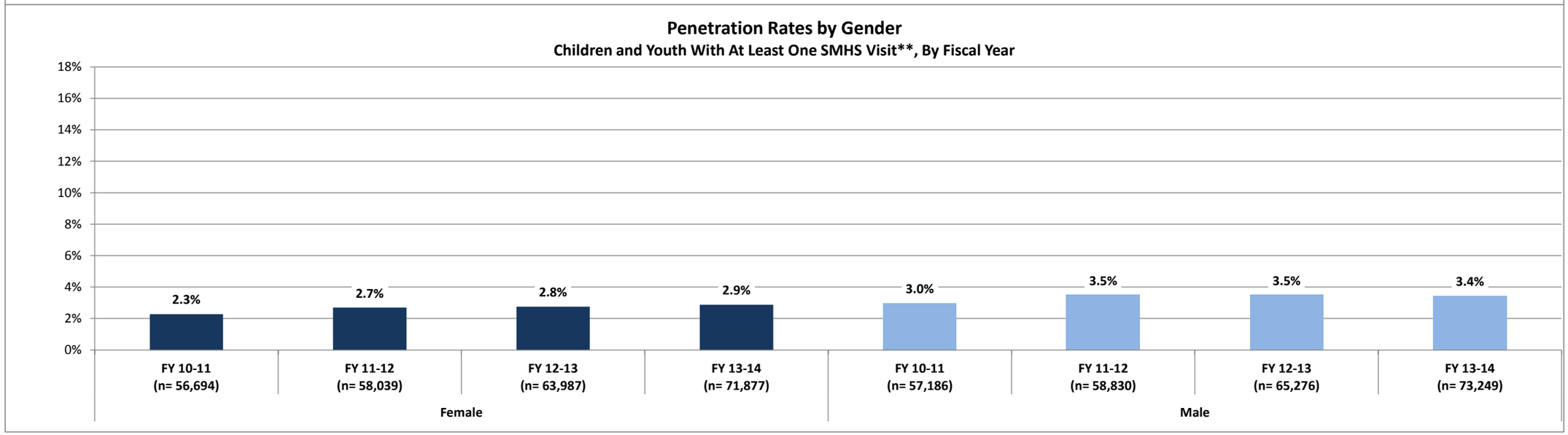
***Children and Youth that have received at least one SMHS that was claimed through the Short-Doyle/ Medi-Cal claiming system on at least one (1) day in the Fiscal Year.*

^ Data has been suppressed to protect patient privacy.

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

San Joaquin County 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 one SMHS that was claimed through the Short-Doyle/ Medi-Cal claiming system on at least one (1) day in the Fiscal Year.*

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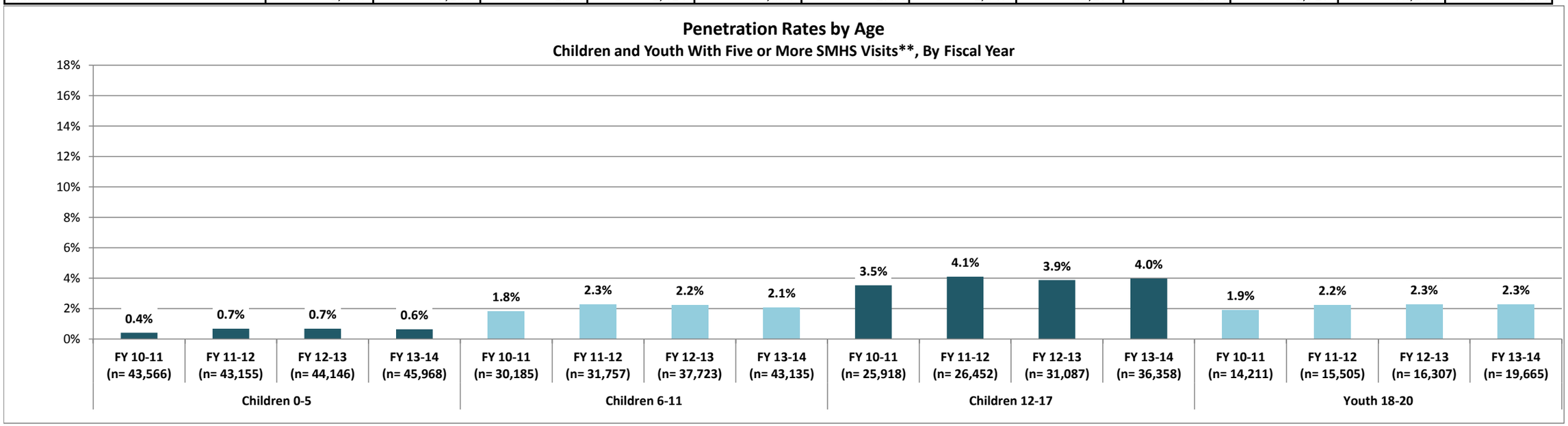
Penetration Rates* Report: Children and Youth With Five or More SMHS Visits**

San Joaquin County 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
All	**1,925**	**113,880**	**1.7%**	**2,459**	**116,869**	**2.1%**	**2,722**	**129,263**	**2.1%**	**3,087**	**145,126**	**2.1%**
Children 0-5	184	43,566	0.4%	296	43,155	0.7%	298	44,146	0.7%	293	45,968	0.6%
Children 6-11	553	30,185	1.8%	730	31,757	2.3%	844	37,723	2.2%	896	43,135	2.1%
Children 12-17	916	25,918	3.5%	1,085	26,452	4.1%	1,204	31,087	3.9%	1,447	36,358	4.0%
Youth 18-20	272	14,211	1.9%	348	15,505	2.2%	376	16,307	2.3%	451	19,665	2.3%
Alaskan Native or American Indian	^	278	^	12	280	4.3%	16	255	6.3%	13	266	4.9%
Asian or Pacific Islander	77	14,523	0.5%	102	14,433	0.7%	103	15,606	0.7%	127	18,046	0.7%
Black	434	13,300	3.3%	506	13,322	3.8%	522	13,522	3.9%	576	14,106	4.1%
Hispanic	626	57,149	1.1%	856	58,927	1.5%	1,010	66,061	1.5%	1,156	72,743	1.6%
White	608	19,274	3.2%	748	19,381	3.9%	793	20,289	3.9%	874	22,282	3.9%
Other	^	1,037	^	^	926	^	^	844	^	^	901	^
Unknown	171	8,319	2.1%	^	9,600	^	^	12,686	^	^	16,782	^
Female	832	56,694	1.5%	1,045	58,039	1.8%	1,175	63,987	1.8%	1,360	71,877	1.9%
Male	1,093	57,186	1.9%	1,414	58,830	2.4%	1,547	65,276	2.4%	1,727	73,249	2.4%



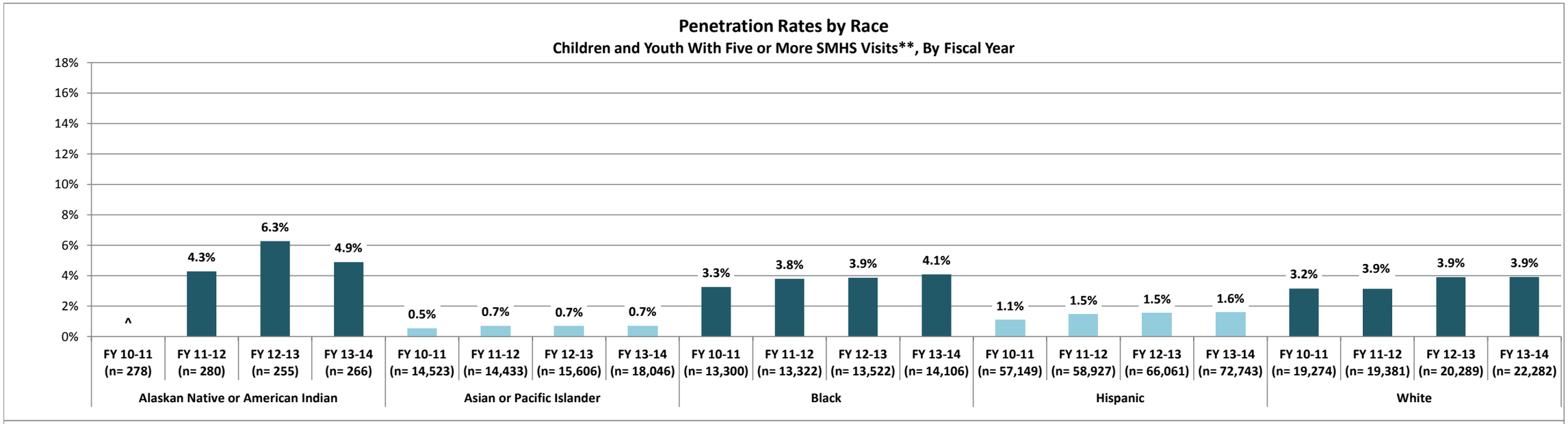
**Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.*

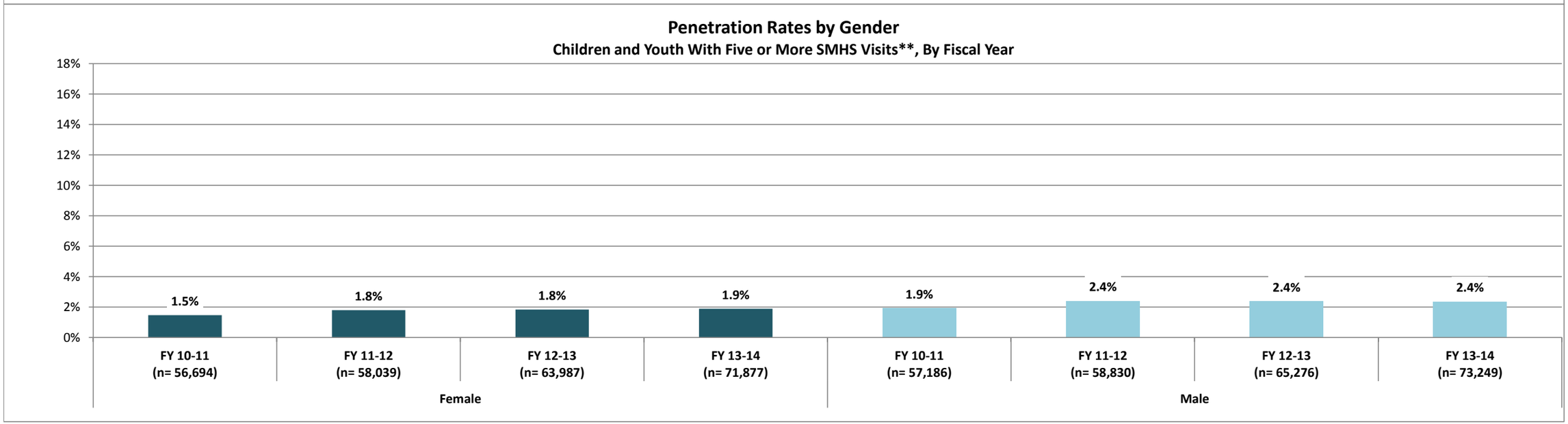
***Children and Youth that have received at least five SMHS that were claimed through the Short-Doyle/ Medi-Cal claiming system on at least five (5) or more different days in the Fiscal Year.*

^ Data has been suppressed to protect patient privacy.

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

San Joaquin County 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.*

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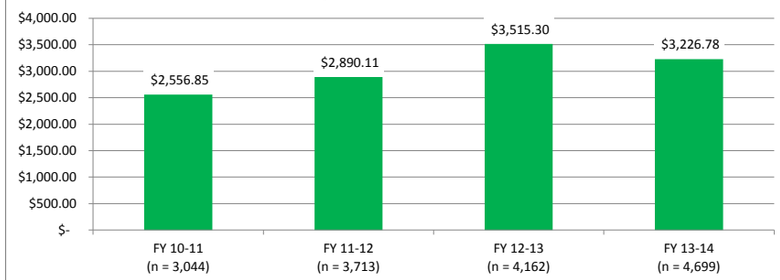
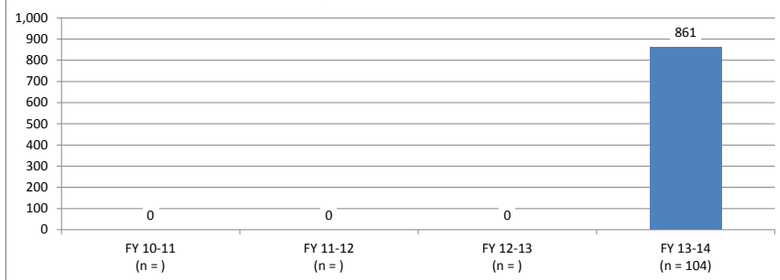
Utilization Report*: Approved Specialty Mental Health Services for Children and Youth
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year**
San Joaquin County as of July 29, 2015

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	$ 2,556.85	0	0	211	767	3126	232	166	14	590	324	N/A	N/A	13	12	0
FY 11-12	$ 2,890.11	0	0	181	806	3197	251	186	20	438	371	N/A	N/A	12	39	6
FY 12-13	$ 3,515.30	0	0	166	859	2840	244	178	27	628	0	N/A	N/A	15	97	8
FY 13-14	$ 3,226.78	861	594	171	829	1964	250	198	27	539	0	N/A	N/A	15	47	11
MEAN	**$ 3,047.26**	**861**	**594**	**182**	**815**	**2781**	**244**	**182**	**22**	**549**	**348**	**N/A**	**N/A**	**14**	**49**	**8**

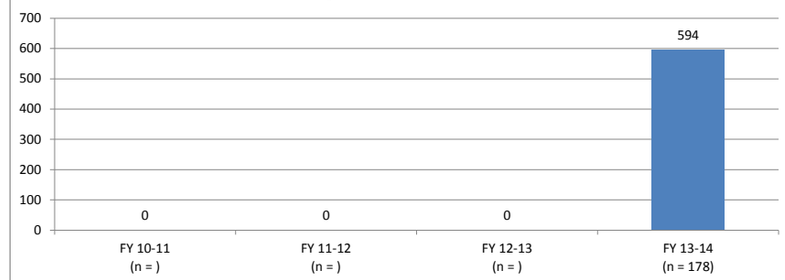
Total Approved Per Unique Beneficiary
By Service Fiscal Year



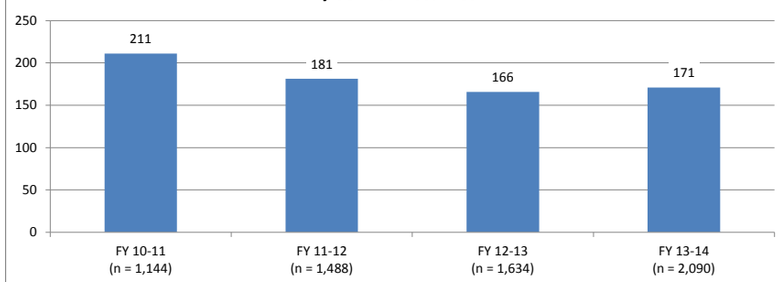
IHBS Minutes Per Unique Beneficiary
By Service Fiscal Year



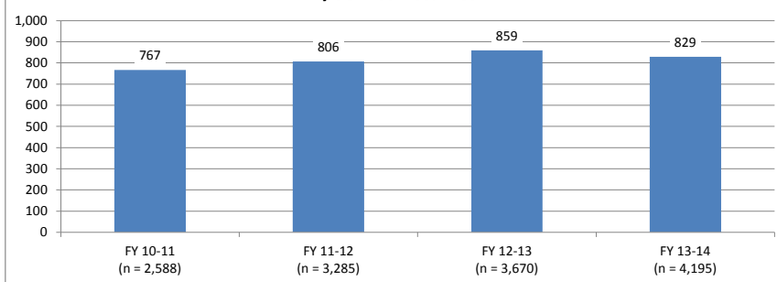
ICC Minutes Per Unique Beneficiary
By Service Fiscal Year



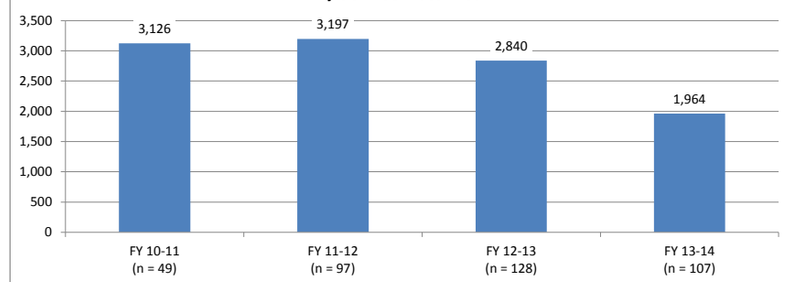
Case Management/Brokerage Minutes Per Unique Beneficiary
By Service Fiscal Year



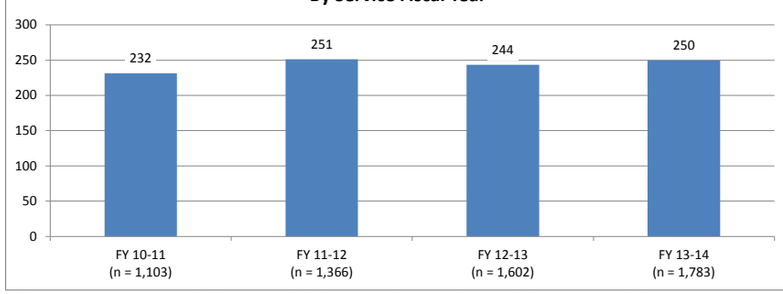
Mental Health Services Minutes Per Unique Beneficiary
By Service Fiscal Year



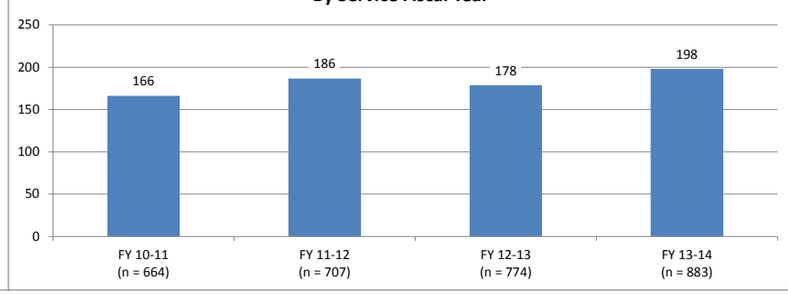
Therapeutic Behavioral Services Minutes Per Unique Beneficiary
By Service Fiscal Year



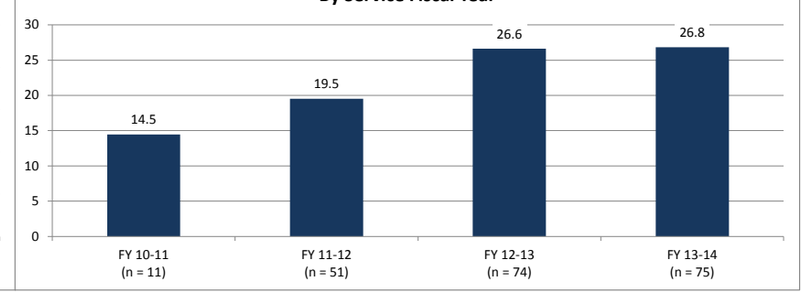
Medication Support Services Minutes Per Unique Beneficiary
By Service Fiscal Year



Crisis Intervention Minutes Per Unique Beneficiary
By Service Fiscal Year



Crisis Stabilization Hours Per Unique Beneficiary
By Service Fiscal Year



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

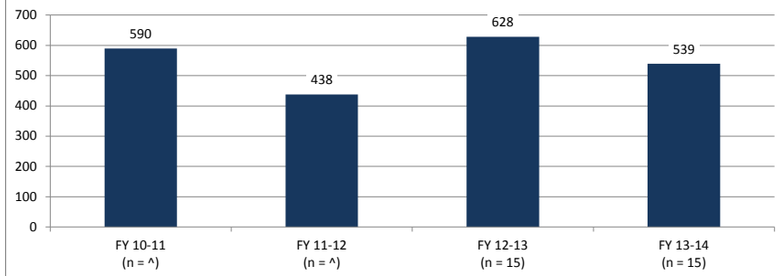
***Please note that (n) values listed at the bottom of each bar graph represent the actual number of children/youth that received the SMHS represented in their respective graph by Fiscal Year.*

****This data will be available in June, 2016*

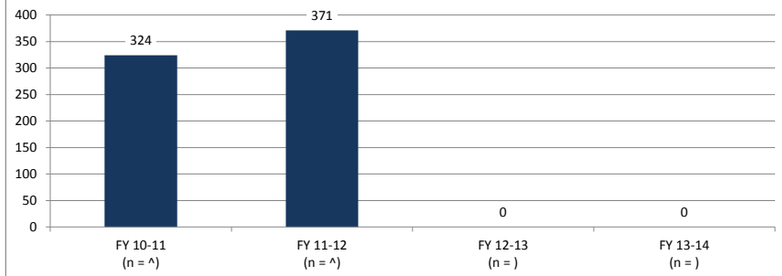
Utilization Report*: Approved Specialty Mental Health Services for Children and Youth
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year**

San Joaquin County as of July 29, 2015

Full Day Treatment Intensive Hours Per Unique Beneficiary
By Service Fiscal Year



Full Day Rehabilitation Hours Per Unique Beneficiary
By Service Fiscal Year



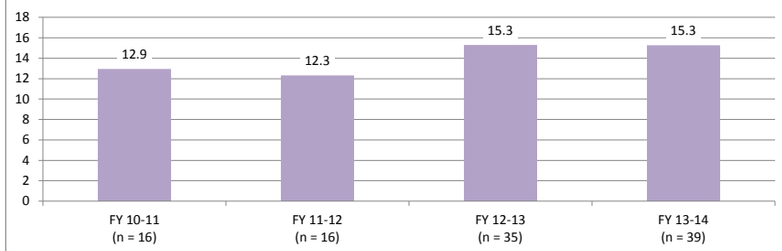
Hospital Inpatient Days Per Unique Beneficiary
By Service Fiscal Year

Data Available in June 2016

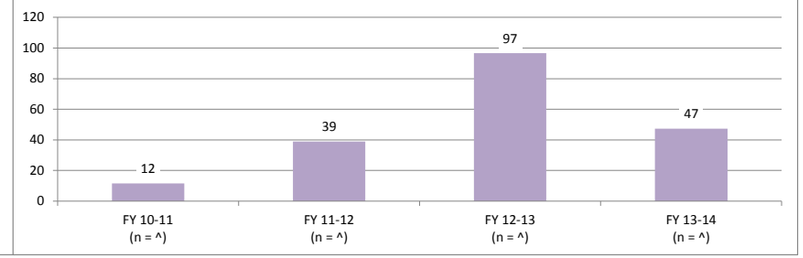
Hospital Inpatient Admin Days Per Unique Beneficiary
By Service Fiscal Year

Data Available in June 2016

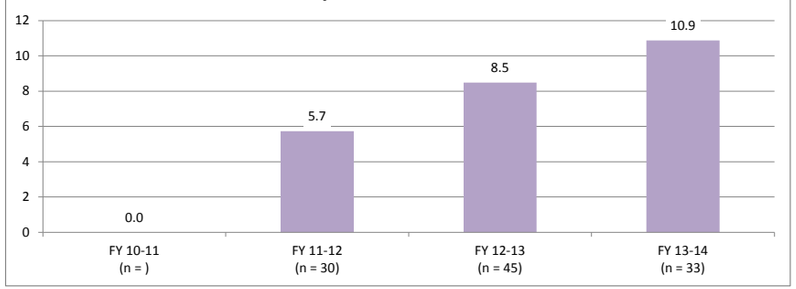
Crisis Residential Treatment Services Days Per Unique Beneficiary
By Service Fiscal Year



Adult Residential Treatment Services Days Per Unique Beneficiary
By Service Fiscal Year



Psychiatric Health Facility Days Per Unique Beneficiary
By Service Fiscal Year



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.*

****This data will be available in June, 2016*

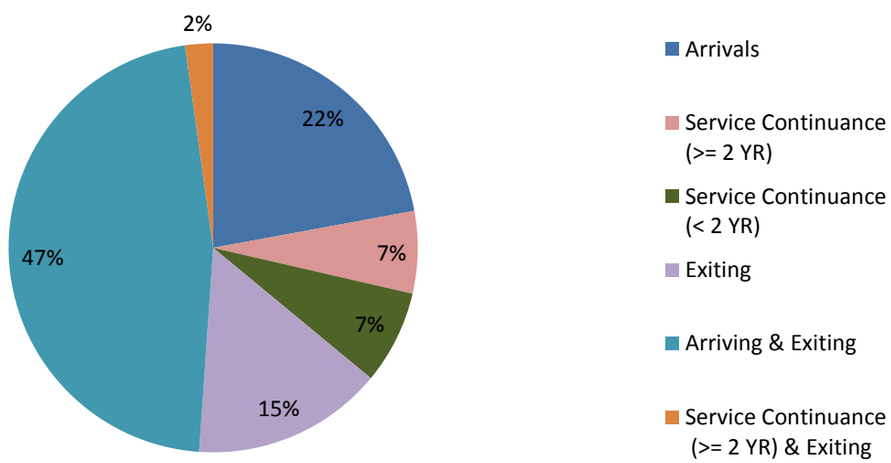
Snapshot Report: Unique Count of Children and Youth Receiving SMHS
Arriving, Exiting, and with Service Continuance by Fiscal Year

San Joaquin County as of August 3, 2015

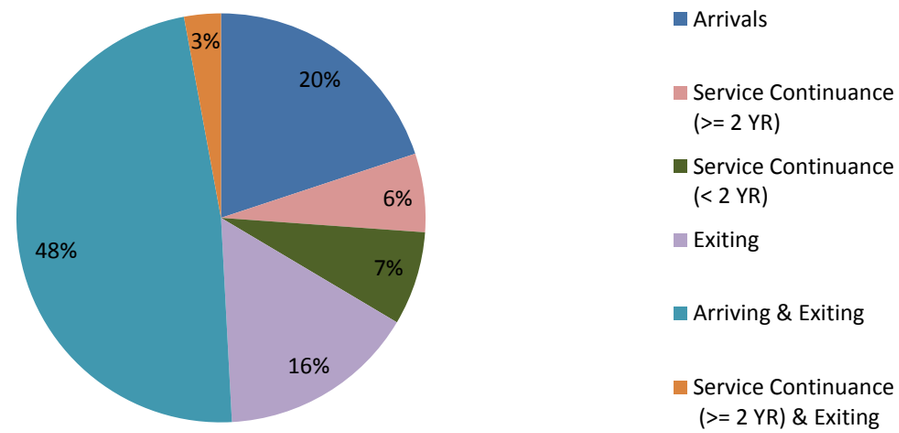
Category	Description (Please refer to the Measures Catalog for more detailed descriptions on all Performance Outcomes System measures.)
Arrivals	Children/Youth that did not receive any SMHS within 3 months of their first date of service in the Fiscal Year.
Service Continuance	Children/Youth receiving 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	896	22.1%	263	6.5%	298	7.4%	613	15.1%	1,889	46.7%	90	2.2%	4,049	100%
FY 13-14	912	19.9%	286	6.2%	339	7.4%	715	15.6%	2,192	47.9%	134	2.9%	4,578	100%

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



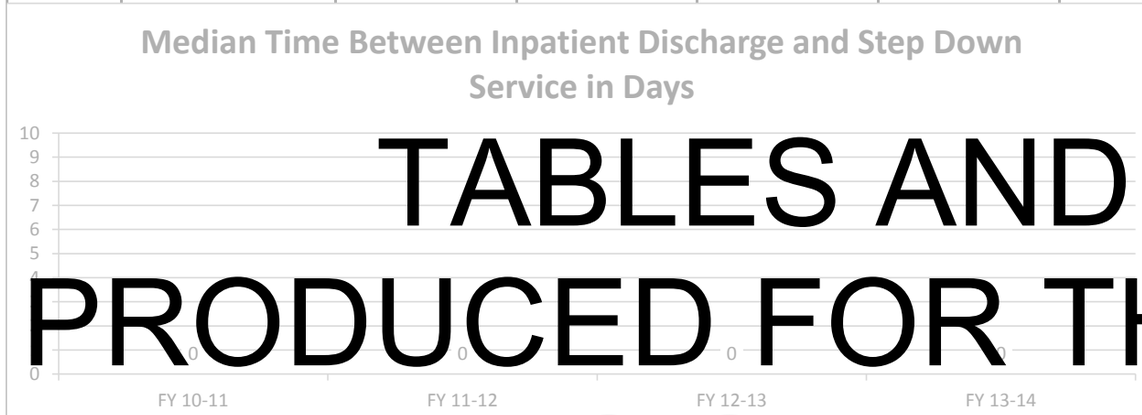
Fiscal Year 13-14 Arrivals, Service Continuance, & Exits Distribution

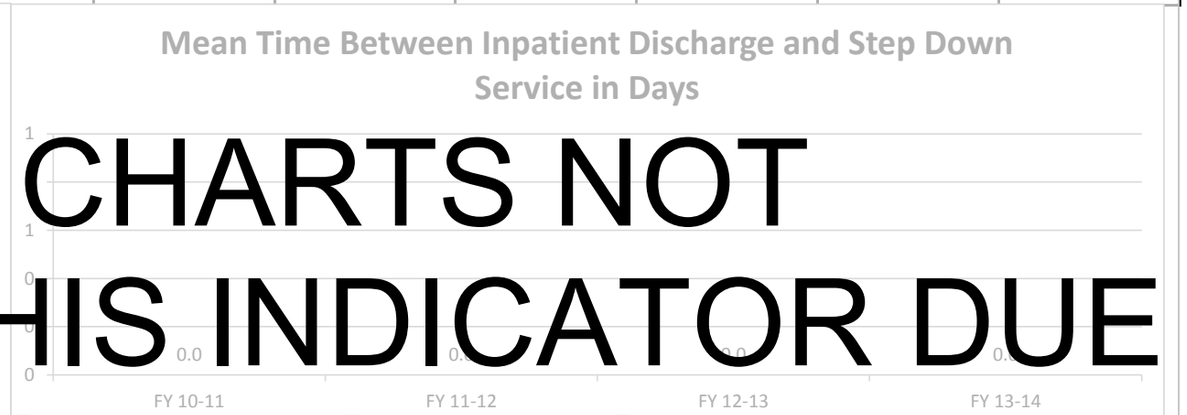


Time to Step Down Report: Children and Youth Stepping Down in SMHS Services Post Inpatient Discharge

San Joaquin County 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	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	0.0	0
FY 11-12	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	0.0	0
FY 12-13	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	0.0	0
FY 13-14	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	0.0	0





TABLES AND CHARTS NOT PRODUCED FOR THIS INDICATOR DUE TO SMALL CELL SIZES.

** **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.*