

Performance Outcomes Adult Specialty Mental Health Services Report

Report Date September, 2016

Background

This report measures the effectiveness of adult specialty mental health services. It models reports developed to measure Early and Periodic Screening, Diagnosis, and Treatment (EPSDT) mental health services as mandated by Welfare and Institutions Code Section 14707.5. The intent of these reports is to improve outcomes at the individual, program, and system levels and inform fiscal decision-making related to the purchase of services.

Since 2012 DHCS has worked with several groups of stakeholders to create a structure for reporting, to develop a Performance Measurement Paradigm, and to design 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. Further 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/provgovpart/pos/Pages/default.aspx>.

Overview

Three reports will be provided: statewide aggregate data; population-based county groups; and county-specific data. These aggregate reports provide adult information on the initial indicators that were developed for the Performance Outcomes System. DHCS plans to move to annual reporting of these data for the Performance Outcomes System.

The first series of charts and tables focus on the demographics of adults 21* and older who are receiving SMHS based on approved claims for Medi-Cal eligible beneficiaries. Specifically, this includes demographics tables of this population by age, gender, and race/ethnicity. Utilization of services reports are shown in terms of dollars, as well as by service in time increments. Two types of penetration information are provided; both penetration rate tables are also broken out by demographic characteristics. The snapshot table provides a point-in-time view of adults arriving, exiting, and continuing services over a two-year period. The time-to-step-down table provides a view over the past four years of the time to stepdown services following inpatient discharge.

Where possible, the reports provide trend information by displaying information for Fiscal Years (FY) 11/12, 12/13, 13/14, and 14/15.

Definitions

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

- Age 22 or older 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 July 1st of the Fiscal Year.

Data Sources -

- Short-Doyle/Medi-Cal II (SD/MC II) claims with dates of service in FY 11/12 through FY 14/15.
- Medi-Cal Eligibility Data System (MEDS) data from the Management Information System/Decision Support System (MIS/DSS) FY 11/12 through 14/15.

Performance Outcomes Adult Specialty Mental Health Services Report

Report Date September, 2016

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/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog_Sept15Reporting_Final_1.11.15.pdf

Note on Privacy:

The Health Insurance Portability and Accountability Act (HIPAA) and Code of Federal Regulations (CFR) 42 rules protect most individually identifiable health information in any form or medium; whether electronic, on paper, or oral. DHCS has strict rules in place to protect the identification of individuals in public reports. A “Public Aggregate Reporting – DHCS Business Reports” process has been established to maintain confidentiality of client Personal Information. The Performance Outcomes System complies with Federal and State privacy laws. Thus, the POS must appropriately and accurately de-identify data for public reporting. Due to privacy concerns, some cells in this report may have been suppressed to comply with state and federal rules. When necessary, these data are represented as follows: 1) Data that are missing is indicated as "-" 2) Data that have been suppressed due to privacy concerns is indicated as "^".

Report Highlights

*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 makes comparison between the POS penetration rates and the EQRO penetration rates not appropriate nor 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 adults who received a number of SMHS (1 or 5 for POS) in a FY and dividing that by the total number of Medi-Cal eligible adults 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 adults' movement through the SMHS system. The report uses five general categories to classify if an adult is entering, exiting, continuing services, or a combination of these categories (e.g., arriving and exiting). As of now, this report only classifies adults and their service usage for FY 12/13 through FY14/15. Eventually the snapshot data will be used along with measures of service effectiveness to identify whether adults 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/pos/Pages/Performance-Outcomes-System-Reports-and-Measures-Catalog.aspx>

*The psychiatric emergency services/hospital data measured in the **time to step-down services** report relies solely on claims data from Short Doyle/Medi-Cal II. Currently, the number of days is capped at 365 days (to mitigate the impact of extreme statistical anomalies) when calculating the mean and max for time between discharge and step down service. This methodology will be updated in the next reporting cycle. Additionally, county specific and population-based reports are based on the county of the hospital from which the patient is discharged and receives step-down services.

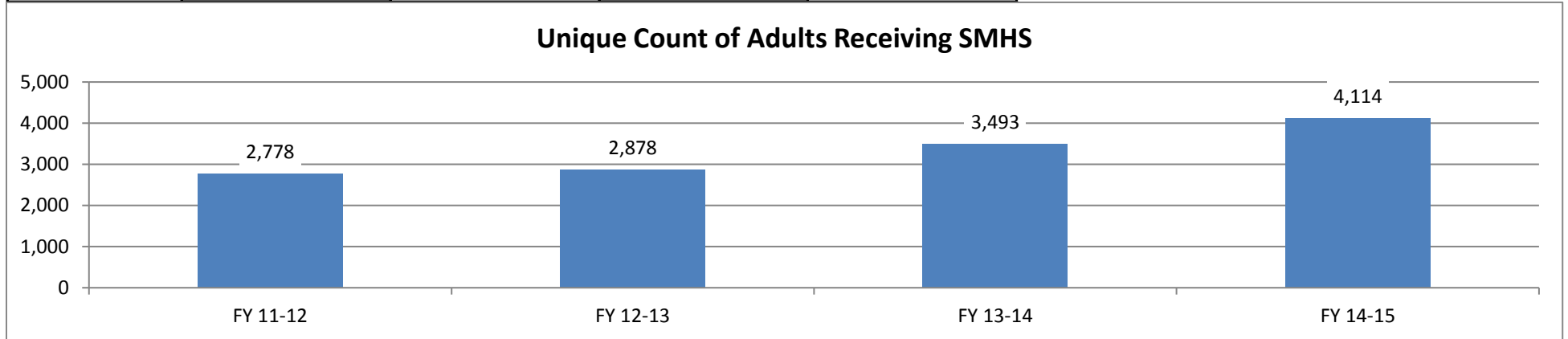
Please contact cmhpos@dhcs.ca.gov for any questions regarding this report.

Demographics Report: Unique Count of Adults Receiving SMHS by Fiscal Year

Butte County

SFY	Unique Count Receiving SMHS*	Year-Over-Year Percentage Change	Unique Count of Medi-Cal Eligibles	Year-Over-Year Percentage Change
FY 11-12	2,778		30,548	
FY 12-13	2,878	3.6%	30,779	0.8%
FY 13-14	3,493	21.4%	44,801	45.6%
FY 14-15	4,114	17.8%	52,926	18.1%
Compound Annual Growth Rate SFY**		14.0%		20.1%

Unique Count of Adults 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.

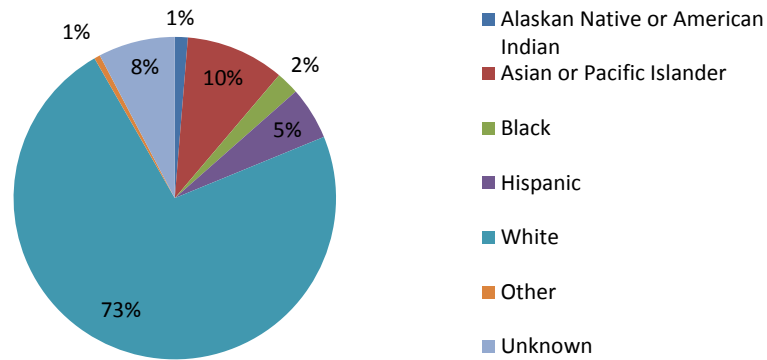
The Measures Catalog may be found at: http://www.dhcs.ca.gov/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog_Sept15Reporting_Final_1.11.15.pdf

Demographics Report: Unique Count of Adults Receiving SMHS by Fiscal Year

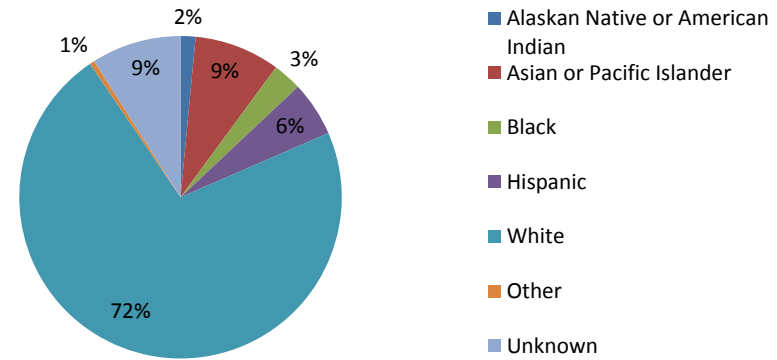
Butte County

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 11-12	36	1.3%	275	9.9%	64	2.3%	147	5.3%	2,025	72.9%	16	0.6%	215	7.7%
FY 12-13	42	1.5%	247	8.6%	83	2.9%	158	5.5%	2,075	72.1%	13	0.5%	260	9.0%
FY 13-14	51	1.5%	230	6.6%	107	3.1%	236	6.8%	2,496	71.5%	14	0.4%	359	10.3%
FY 14-15	67	1.6%	215	5.2%	145	3.5%	287	7.0%	2,995	72.8%	20	0.5%	385	9.4%

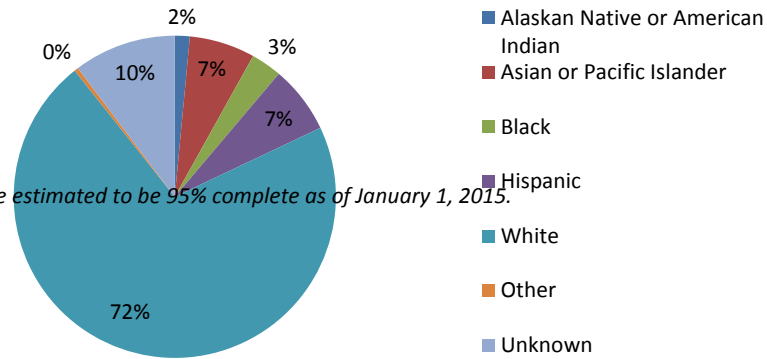
Fiscal Year 11-12 Race Distribution



Fiscal Year 12-13 Race Distribution

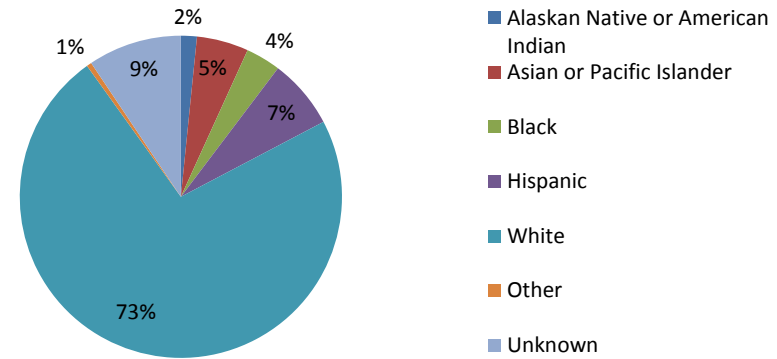


Fiscal Year 13-14 Race Distribution



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

Fiscal Year 14-15 Race Distribution

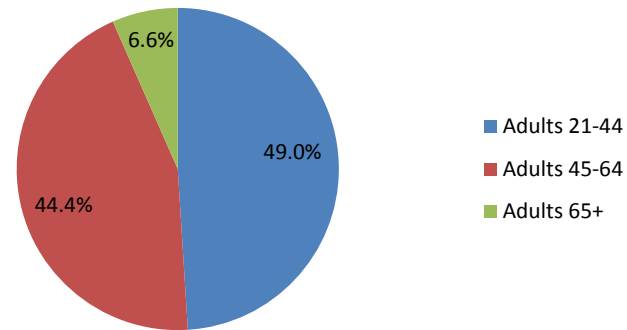


Demographics Report: Unique Count of Adults Receiving SMHS by Fiscal Year

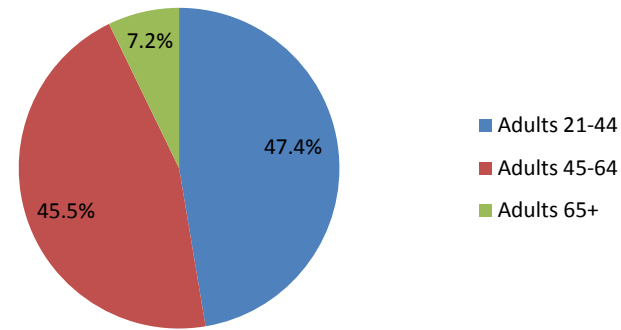
Butte County

Fiscal Year	Adults 21-44 Count	Adults 21-44 %	Adults 45-64 Count	Adults 45-64 %	Adults 65+ Count	Adults 65+ %
FY 11-12	1,362	49.0%	1,234	44.4%	182	6.6%
FY 12-13	1,363	47.4%	1,309	45.5%	206	7.2%
FY 13-14	1,740	49.8%	1,544	44.2%	209	6.0%
FY 14-15	2,226	54.1%	1,677	40.8%	211	5.1%

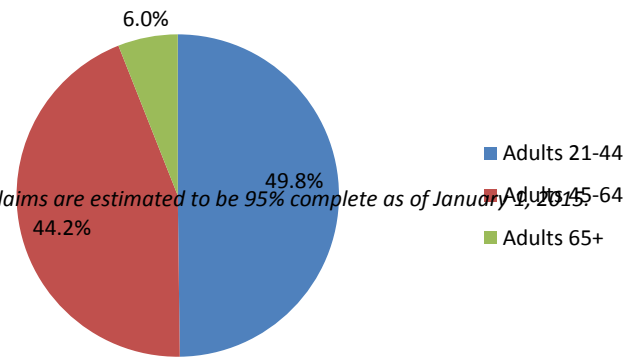
Fiscal Year 11-12 Age Group Distribution



Fiscal Year 12-13 Age Group Distribution

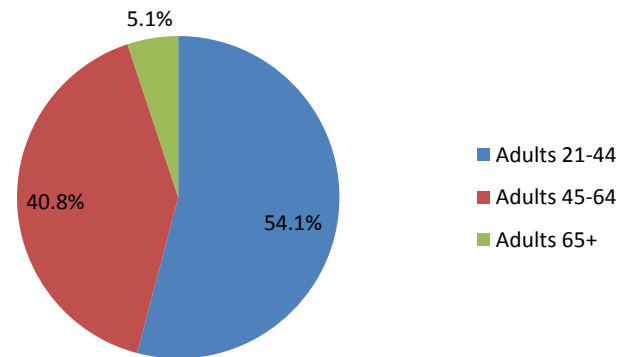


Fiscal Year 13-14 Age Group Distribution



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

Fiscal Year 14-15 Age Group Distribution

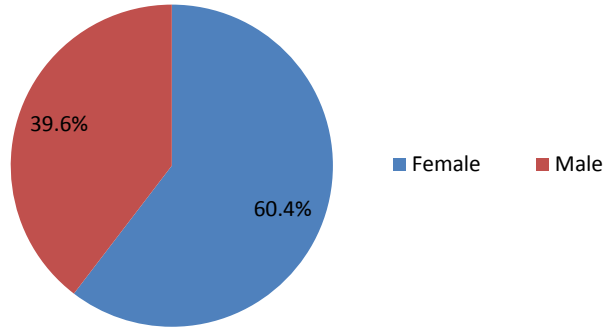


Demographics Report: Unique Count of Adults Receiving SMHS by Fiscal Year

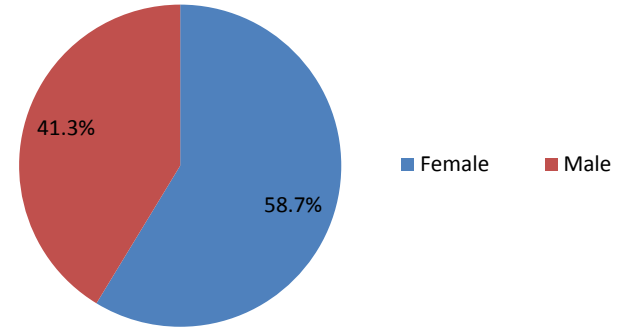
Butte County

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 11-12	1,677	60.4%	1,101	39.6%
FY 12-13	1,690	58.7%	1,188	41.3%
FY 13-14	1,976	56.6%	1,517	43.4%
FY 14-15	2,181	53.0%	1,933	47.0%

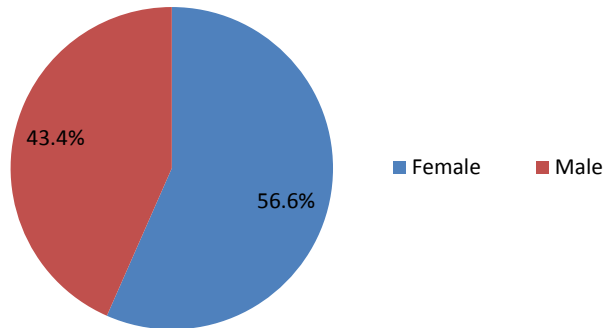
Fiscal Year 11-12 Gender Distribution



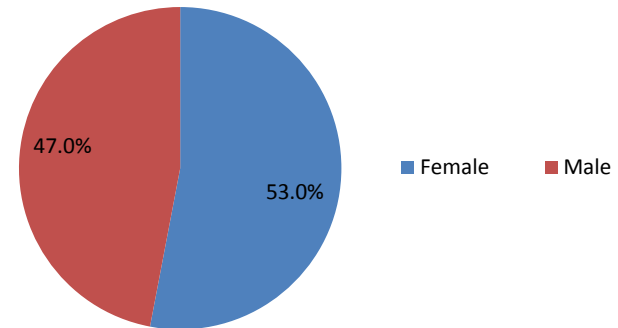
Fiscal Year 12-13 Gender Distribution



Fiscal Year 13-14 Gender Distribution



Fiscal Year 14-15 Gender Distribution

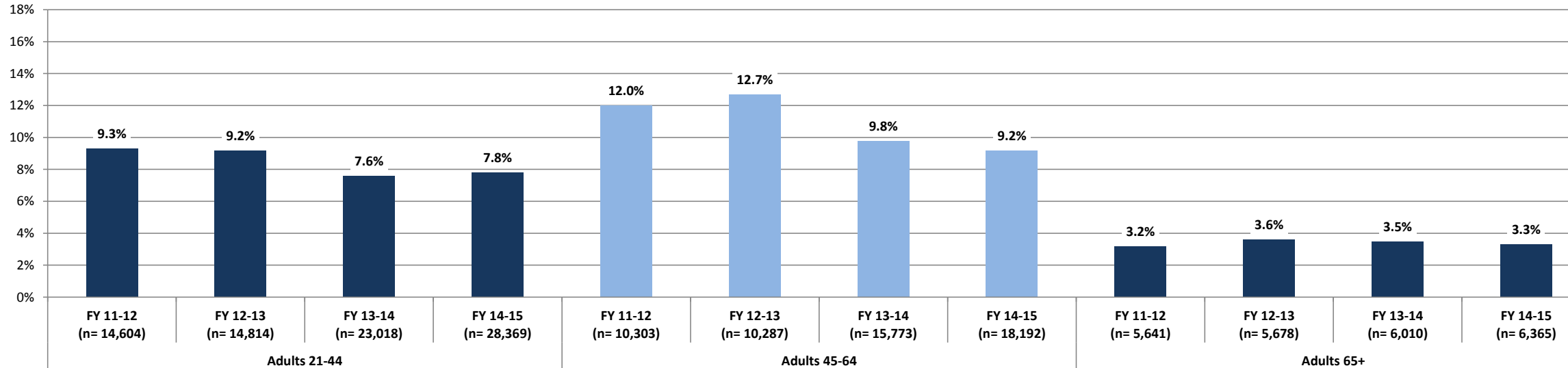


Penetration Rates* Report: Adults With At Least One SMHS Visit**

Butte County

	FY 11-12			FY 12-13			FY 13-14			FY 14-15		
	Adults with 1 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 1 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 1 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 1 or more SMHS Visits	Certified Eligible Adults	Penetration Rate
All	2,778	30,548	9.1%	2,878	30,779	9.4%	3,493	44,801	7.8%	4,114	52,926	7.8%
Adults 21-44	1,362	14,604	9.3%	1,363	14,814	9.2%	1,740	23,018	7.6%	2,226	28,369	7.8%
Adults 45-64	1,234	10,303	12.0%	1,309	10,287	12.7%	1,544	15,773	9.8%	1,677	18,192	9.2%
Adults 65+	182	5,641	3.2%	206	5,678	3.6%	209	6,010	3.5%	211	6,365	3.3%
Alaskan Native or American Indian	36	654	5.5%	42	646	6.5%	51	873	5.8%	67	990	6.8%
Asian or Pacific Islander	275	1,827	15.1%	247	1,847	13.4%	230	2,543	9.0%	215	3,076	7.0%
Black	64	768	8.3%	83	777	10.7%	107	1,147	9.3%	145	1,382	10.5%
Hispanic	147	3,237	4.5%	158	3,340	4.7%	236	5,030	4.7%	287	6,310	4.5%
White	2,025	21,419	9.5%	2,075	21,382	9.7%	2,496	31,577	7.9%	2,995	36,963	8.1%
Other	16	194	8.2%	13	192	6.8%	14	280	5.0%	20	306	6.5%
Unknown	215	2,449	8.8%	260	2,595	10.0%	359	3,351	10.7%	385	3,899	9.9%
Female	1,677	18,059	9.3%	1,690	18,290	9.2%	1,976	24,385	8.1%	2,181	27,924	7.8%
Male	1,101	12,489	8.8%	1,188	12,489	9.5%	1,517	20,416	7.4%	1,933	25,002	7.7%

Penetration Rates by Age
Adults 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.

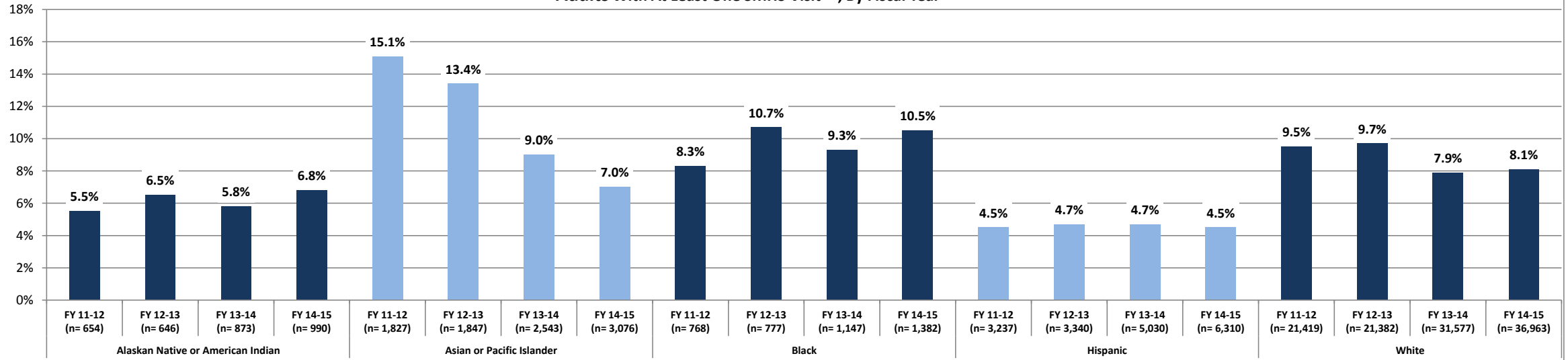
**Adults that have received at least one SMHS that was claimed through the Short-Doyle/ Medi-Cal claiming system on at least one (1) day in the Fiscal Year.

Penetration rates decreased because the number of Affordable Care Act SMHS eligible beneficiaries increased markedly beginning in SFY 2013-14 while claims increased more gradually.

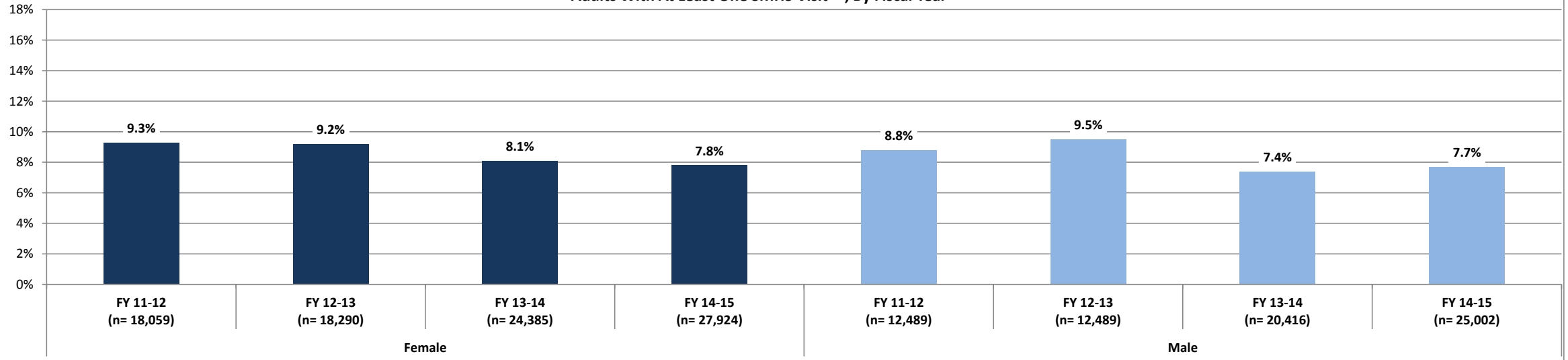
Penetration Rates* Report: Adults With At Least One SMHS Visit**

Butte County

Penetration Rates by Race Adults With At Least One SMHS Visit**, By Fiscal Year



Penetration Rates by Gender Adults 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.

**Adults 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.

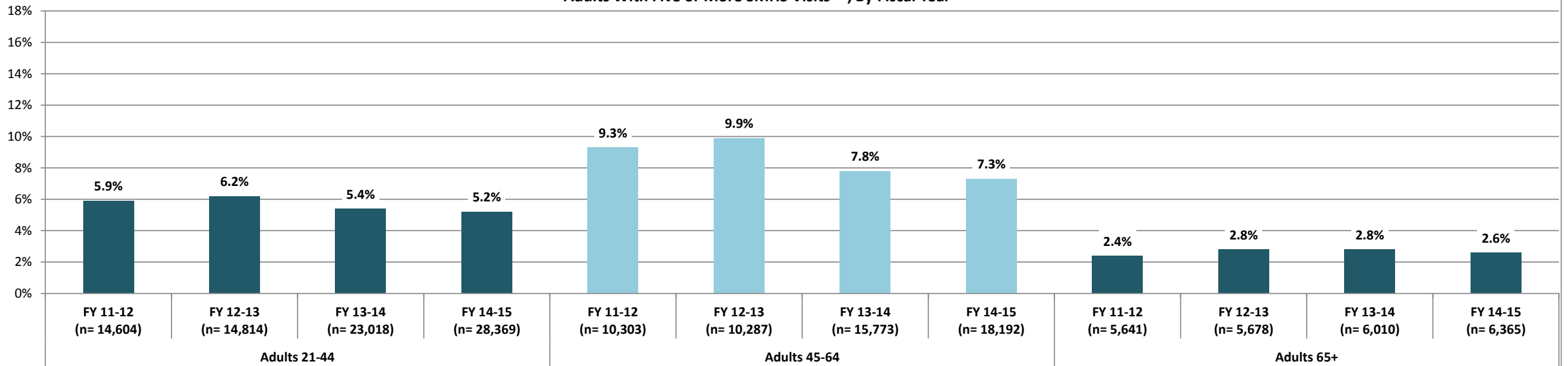
Penetration rates decreased because the number of Affordable Care Act SMHS eligible beneficiaries increased markedly beginning in SFY 2013-14 while claims increased more gradually.

Penetration Rates* Report: Adults with Five or More SMHS Visits**

Butte County

	FY 11-12			FY 12-13			FY 13-14			FY 14-15		
	Adults with 5 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 5 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 5 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 5 or more SMHS Visits	Certified Eligible Adults	Penetration Rate
All	1,963	30,548	6.4%	2,094	30,779	6.8%	2,634	44,801	5.9%	2,976	52,926	5.6%
Adults 21-44	864	14,604	5.9%	921	14,814	6.2%	1,234	23,018	5.4%	1,482	28,369	5.2%
Adults 45-64	963	10,303	9.3%	1,015	10,287	9.9%	1,229	15,773	7.8%	1,328	18,192	7.3%
Adults 65+	136	5,641	2.4%	158	5,678	2.8%	171	6,010	2.8%	166	6,365	2.6%
Alaskan Native or American Indian	25	654	3.8%	30	646	4.6%	32	873	3.7%	49	990	4.9%
Asian or Pacific Islander	231	1,827	12.6%	223	1,847	12.1%	202	2,543	7.9%	179	3,076	5.8%
Black	41	768	5.3%	58	777	7.5%	91	1,147	7.9%	105	1,382	7.6%
Hispanic	108	3,237	3.3%	106	3,340	3.2%	165	5,030	3.3%	199	6,310	3.2%
White	1,388	21,419	6.5%	1,465	21,382	6.9%	1,840	31,577	5.8%	2,122	36,963	5.7%
Other	^	194	^	^	192	^	14	280	5.0%	16	306	5.2%
Unknown	^	2,449	^	^	2,595	^	290	3,351	8.7%	306	3,899	7.8%
Female	1,171	18,059	6.5%	1,226	18,290	6.7%	1,477	24,385	6.1%	1,603	27,924	5.7%
Male	792	12,489	6.3%	868	12,489	7.0%	1,157	20,416	5.7%	1,373	25,002	5.5%

Penetration Rates by Age
Adults With Five or More SMHS Visits**, By Fiscal Year



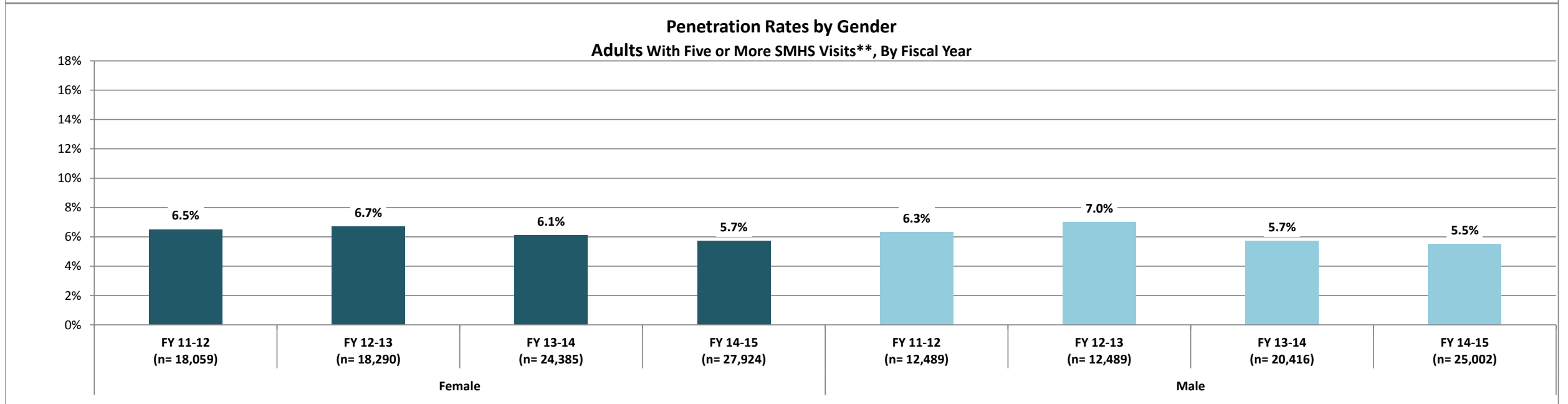
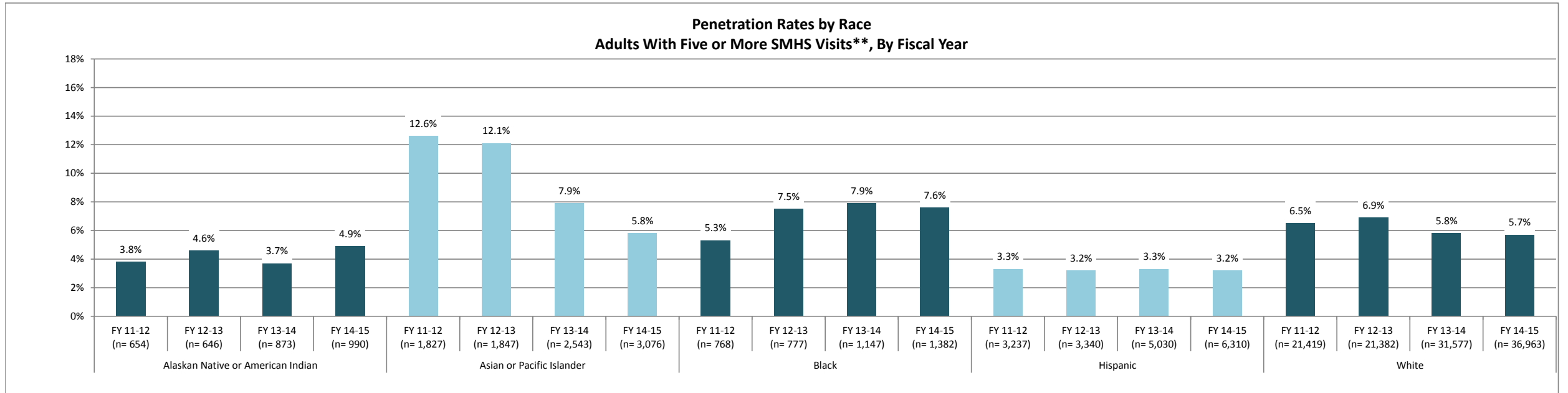
*Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

**Adults 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 decreased because the number of Affordable Care Act SMHS eligible beneficiaries increased markedly beginning in SFY 2013-14 while claims increased more gradually.

Penetration Rates* Report: Adults with Five or More SMHS Visits**

Butte County



*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.

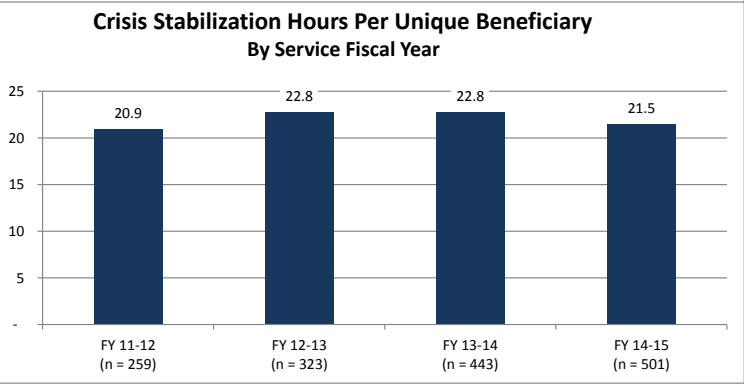
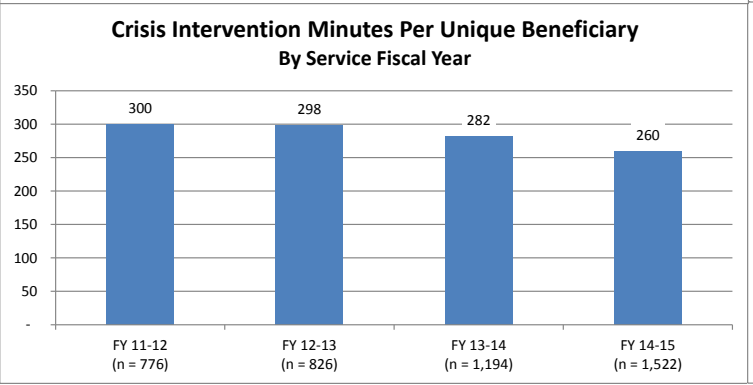
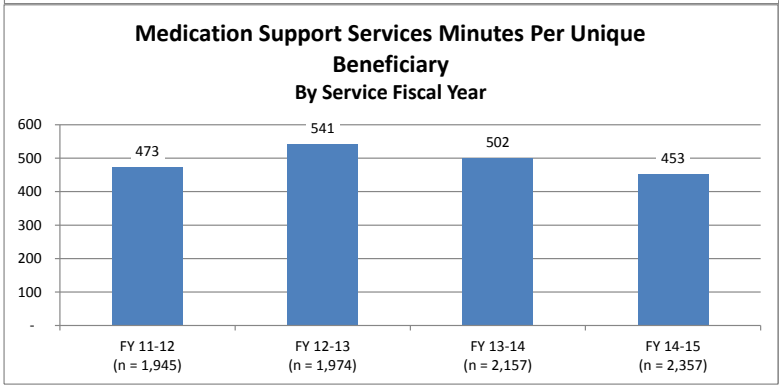
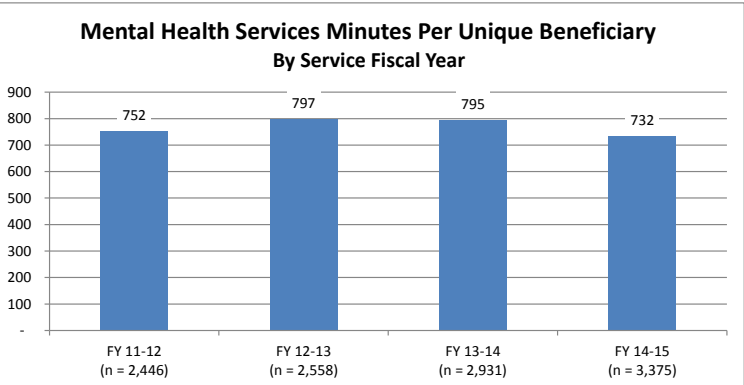
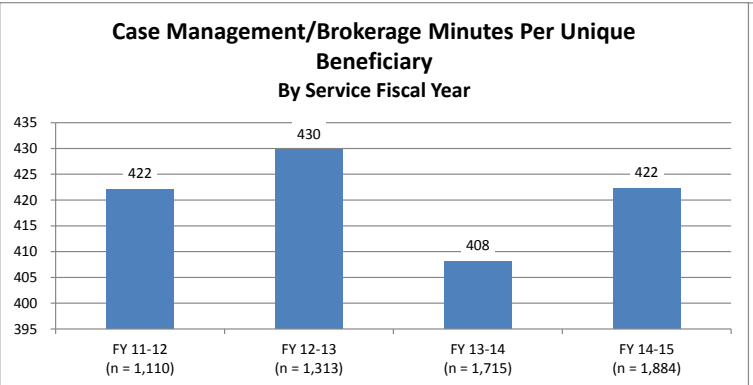
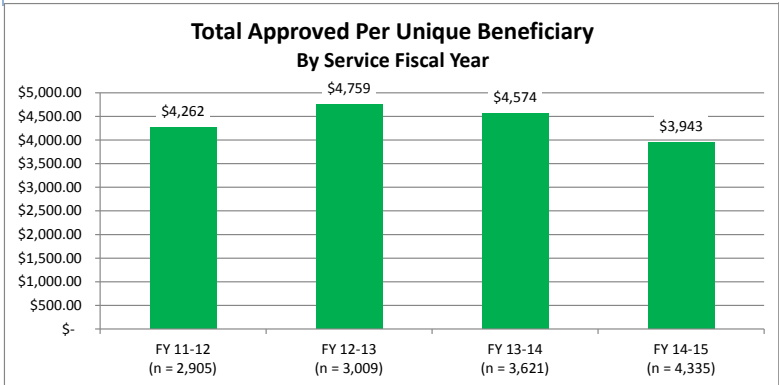
**Adults that have received at least five SMHS that were claimed through the Short-Doyle/ Medi-Cal claiming system on at least five (5) or more different days in the Fiscal Year.

Penetration rates decreased because the number of Affordable Care Act SMHS eligible beneficiaries increased markedly beginning in SFY 2013-14 while claims increased more gradually.

^ Data has been suppressed to protect patient privacy.

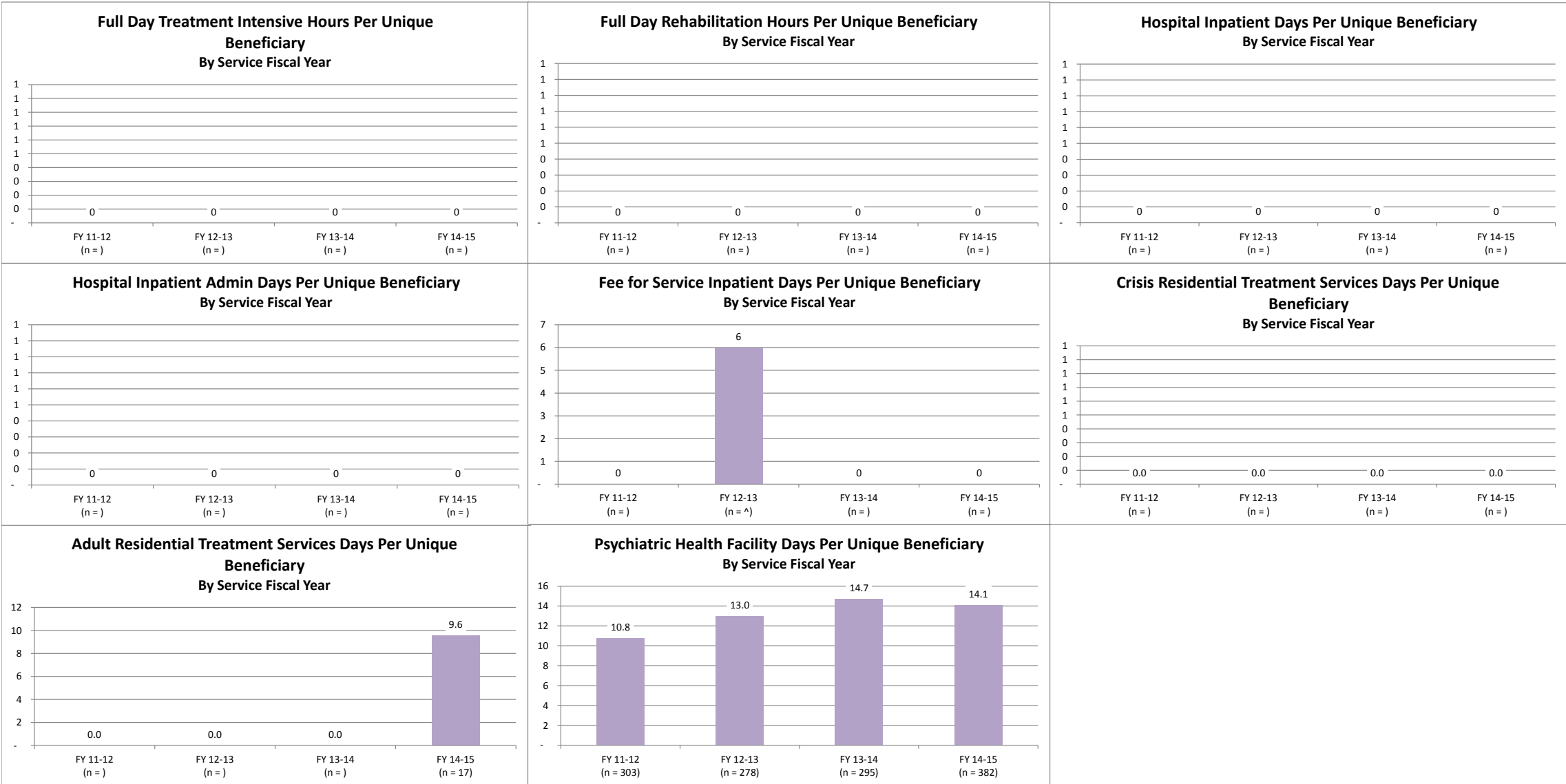
Utilization Report*: Approved Specialty Mental Health Services for Adults
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year*
 Butte County

Fiscal Year	SDMC Total Approved	Case Management/ Brokerage (Minutes)	Mental Health 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)	Fee for Service Inpatient (Days)	Crisis Residential Treatment Services (Days)	Adult Residential Treatment Services (Days)	Psychiatric Health Facility (Days)
FY 11-12	4,262	422	752	473	300	21	0	0	0	0	0	0	0	11
FY 12-13	4,759	430	797	541	298	23	0	0	0	0	6	0	0	13
FY 13-14	4,574	408	795	502	282	23	0	0	0	0	0	0	0	15
FY 14-15	3,943	422	732	453	260	22	0	0	0	0	0	0	10	14
MEAN	\$ 4,384.39	421	769	492	285	22	0	0	0	0	6	0	10	13



*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 adults that received the SMHS represented in their respective graph by Fiscal Year.

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



*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 adults that received the SMHS represented in their respective graph by Fiscal Year.
 ^ Data has been suppressed to protect patient privacy.

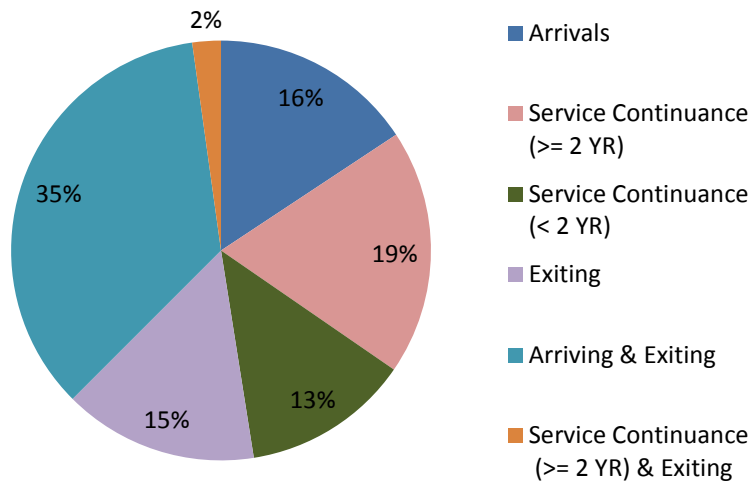
Snapshot Report: Unique Count of Adults Receiving SMHS Arriving, Exiting, and with Service Continuance by Fiscal Year

Butte County

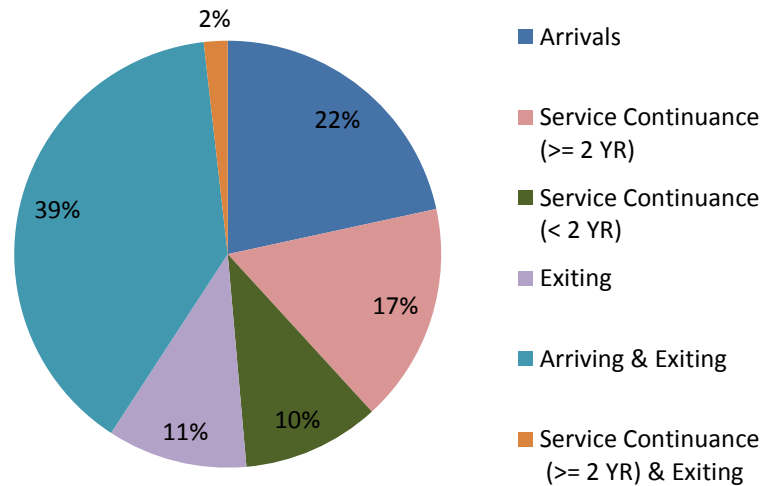
Category	Description (Please refer to the Measures Catalog for more detailed descriptions on all Performance Outcomes System measures.)
Arrivals	Adults that did not receive any SMHS within 3 months of their first date of service in the Fiscal Year.
Service Continuance	Adults receiving continuous services 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	Adults 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 adults met both the criteria for Arrivals and Exiting above for the fiscal year.
Service Continuance & Exiting	A distinct category in which adults 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	452	15.7%	544	18.9%	372	12.9%	432	15.0%	1,016	35.3%	62	2.2%	2,878	100%
FY 13-14	755	21.6%	581	16.6%	364	10.4%	370	10.6%	1,362	39.0%	63	1.8%	3,495	100%
FY 14 - 15	638	15.5%	589	14.3%	441	10.7%	604	14.7%	1,757	42.8%	79	1.9%	4,108	100%

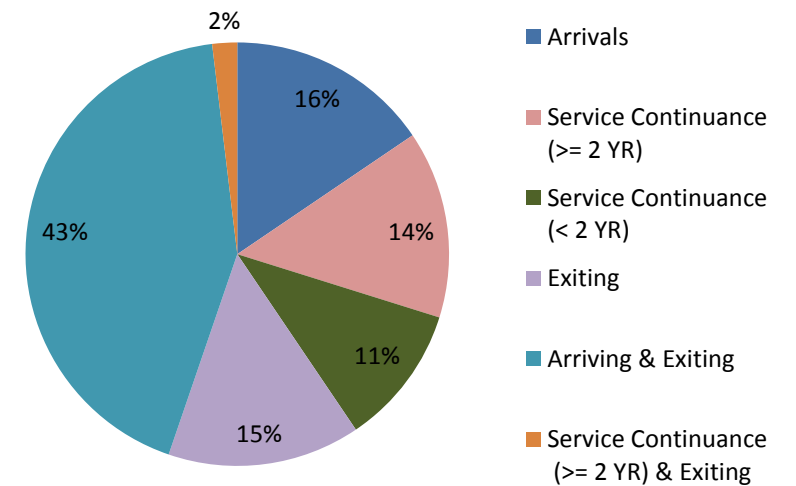
Fiscal Year 12-13 Arrivals, Service Continuance, & Exits Distribution



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



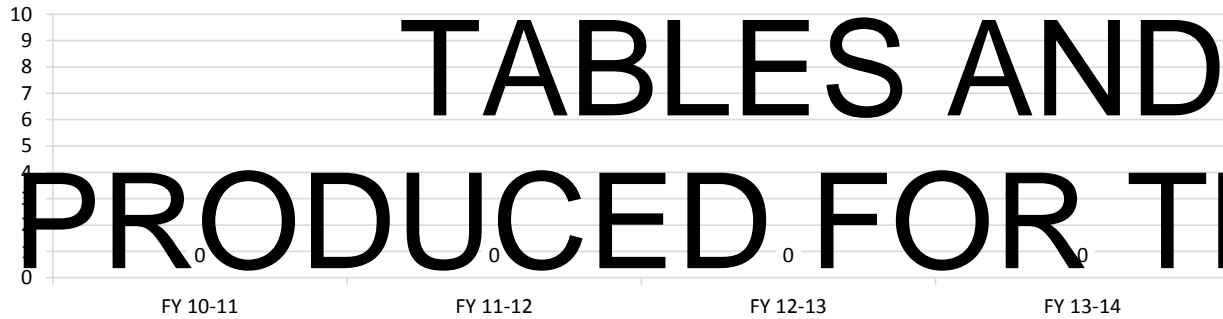
Fiscal Year 14-15 Arrivals, Service Continuance, & Exits Distribution



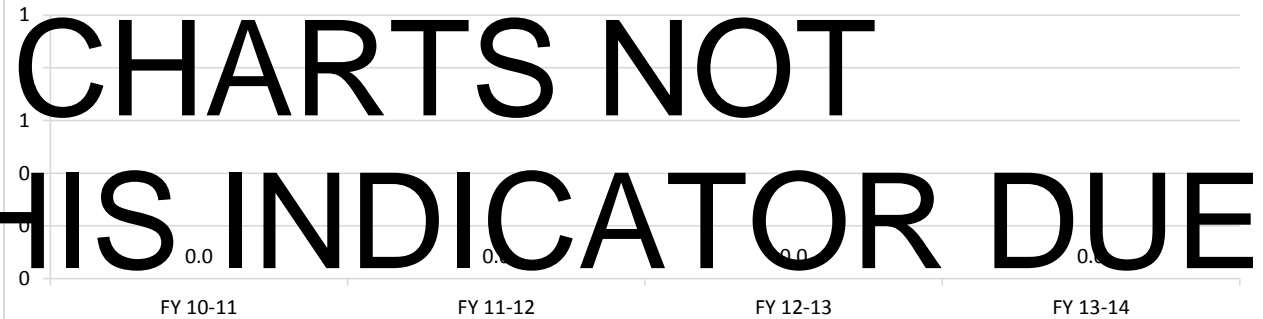
**Time to Step Down Report: Adults Stepping Down in SMHS Services Post Inpatient Discharge
Butte County**

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 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
FY 14-15	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0	0.0	0

Median Time Between Inpatient Discharge and Step Down Service in Days



Mean Time Between Inpatient Discharge and Step Down Service in Days



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

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.