## **Performance Outcomes System Reports**

Report run on August 3, 2016

#### Background

Three reports will be created during each new reporting period. The reports that will be produced are as follows: statewide aggregate data; population-based county groups; and county-specific data. 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, to develop the Performance Measurement Paradigm, and to 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. 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

#### **Purpose and Overview**

These county-specific reports provide 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.

The first series of charts and tables focus on the demographics of children and youth under 21 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. Two types of penetration information are provided. Both penetration rates tables are also broken out by demographic characteristics. Utilization of services data are shown in terms of dollars, as well as by service, in time increments. The snapshot table provides a point-in-time view of children/youth 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 step-down 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.

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. On subsequent reports, 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 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 FY14/15.

## **Performance Outcomes System Reports**

Report run on August 3, 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: <a href="http://www.dhcs.ca.gov/provgovpart/pos/Pages/Performance-Outcomes-System-Reports-and-Measures-Catalog.aspx">http://www.dhcs.ca.gov/provgovpart/pos/Pages/Performance-Outcomes-System-Reports-and-Measures-Catalog.aspx</a>

#### 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, 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, this data is represented as follows: 1) Data that is missing is indicated as "-" 2) Data that has been suppressed due to privacy concerns is indicated as "^".

#### **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 SMHS (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.

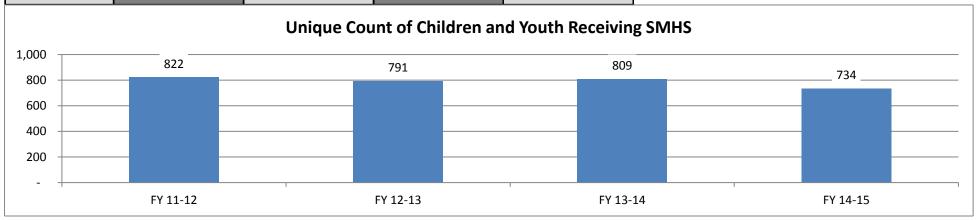
\*The *snapshot* report provides a point-in-time look at children and youth's movement through the SMHS system. The report uses five general categories to classify if a youth is entering, exiting, continuing services, or a combination of these categories (e.g., arriving and exiting). As of now, this 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/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. 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 off of the county of the hospital the patient is discharged from and whom has been attributed the time to next service in days used in the calculations for this indicator."

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

El Dorado County as of August 3, 2016

SFY	Unique Count Receiving SMHS*	Year-Over-Year Percentage Change	Unique Count of Medi-Cal Eligibles	Year-Over-Year Percentage Change
FY 11-12	822		11,637	
FY 12-13	791	-3.8%	12,284	5.6%
FY 13-14	809	2.3%	15,792	28.6%
FY 14-15	734	-9.3%	17,368	10.0%
Compound Annual Growth Rate SFY**		-3.7%		14.3%



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

<sup>\*\*</sup>SFY = State Fiscal Year which is July 1 through June 30.

El Dorado County as of August 3, 2016

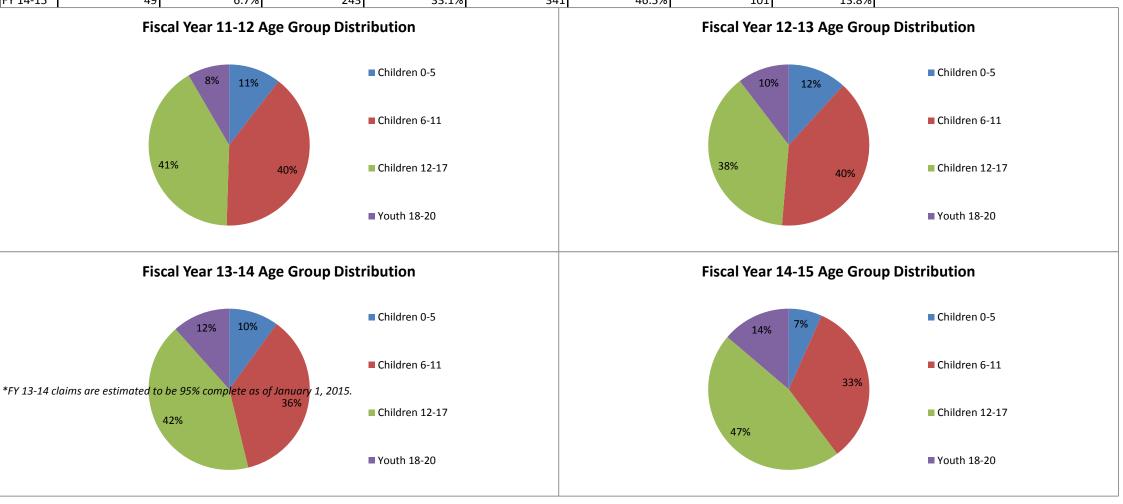
Fiscal Year	Alaskan Native or American Indian Count	Alaskan Native or American Indian %	Asian or Pacific Islander Count	Asian or Pacific Islander %	Black Count	Black %	Hispanic Count	Hispanic %	White Count	White %	Other Count	Other %	Unknown Count	Unknown %
FY 11-12	11	1.3%	٨	۸	14	1.7%	93	11.3%	647	78.7%	٨	۸	51	6.2%
FY 12-13	11	1.4%	۸	۸	٨	۸	90	11.4%	594	75.1%	٨	۸	76	9.6%
FY 13-14	۸	٨	٨	۸	15	1.9%	98	12.1%	571	70.6%	٨	۸	103	12.7%
FY 14-15	۸	۸	٨	۸	12	1.6%	109	14.9%	499	68.0%	0	0.0%	98	13.4%

#### Fiscal Year 11-12 Race Distribution Fiscal Year 12-13 Race Distribution 1% ^ 2% 1% ^ ^ Alaskan Native or American Alaskan Native or American Indian Indian 6% 10% Asian or Pacific Islander Asian or Pacific Islander 11% 11% Black Black Hispanic Hispanic White White Other Other 79% 75% Unknown Unknown CHARTS NOT PRODUCED DUE TO SMALL CELL SIZES. Fiscal Year 14-15 Race Distribution ^ ^ 2% ^ 2% Alaskan Native or American Alaskan Native or American Indian Asian or Pacific Islander Asian or Pacific Islander 13% 13% 12% 15% Black Black \*FY 13-14 claims are estimated to be 95% complete as of January 1, 2015. Hispanic White White Other Other 71% 68% Unknown Unknown

<sup>^</sup> Data has been suppressed to protect patient privacy.

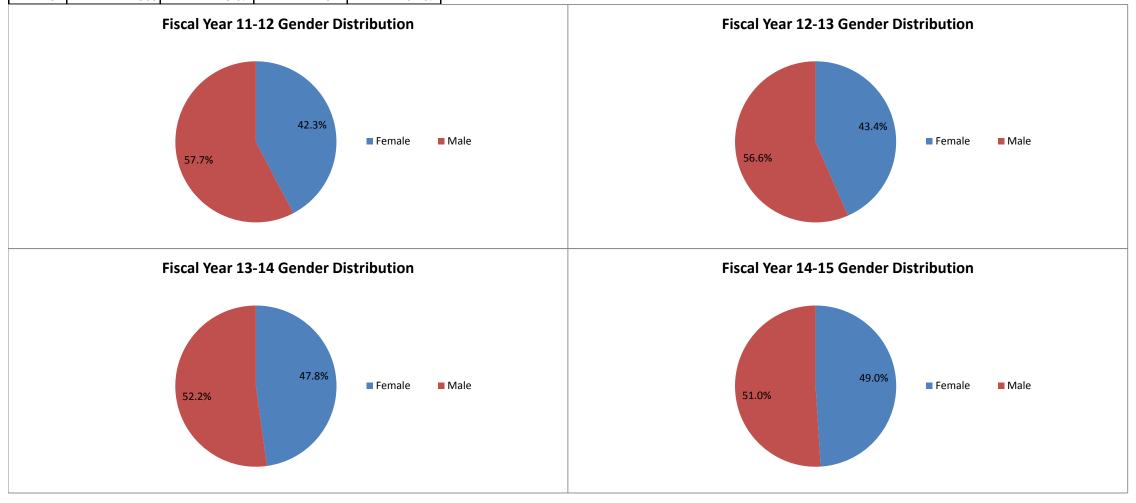
El Dorado County as of August 3, 2016

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 11-12	86	10.5%	329	40.0%	338	41.1%	69	8.4%
FY 12-13	93	11.8%	313	39.6%	303	38.3%	82	10.4%
FY 13-14	81	10.0%	293	36.2%	341	42.2%	94	11.6%
FY 14-15	49	6.7%	243	33.1%	341	46.5%	101	13.8%



El Dorado County as of August 3, 2016

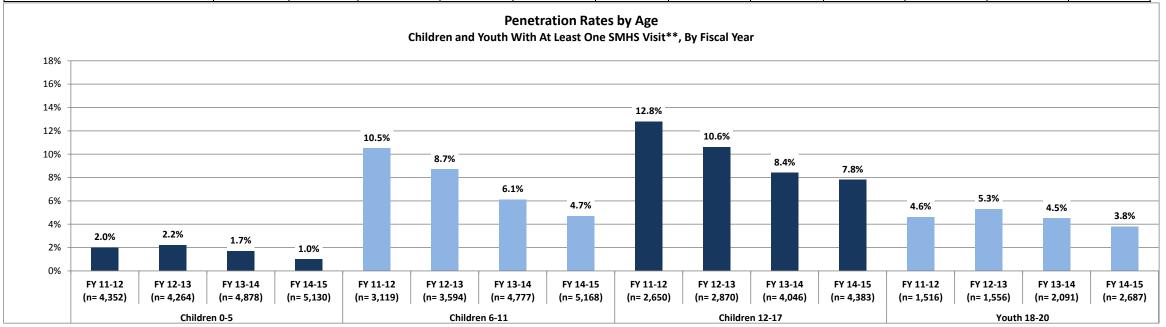
Fiscal Year	Female Count	Female %	Male Count	Male %
FY 11-12	348	42.3%	474	57.7%
FY 12-13	343	43.4%	448	56.6%
FY 13-14	387	47.8%	422	52.2%
FY 14-15	360	49.0%	374	51.0%



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

El Dorado County as of August 3, 2016

		FY 11-12			FY 12-13			FY 13-14			FY 14-15	
	Children and Youth with 1	Certified Eligible	Penetration	Children and Youth with 1	Certified Eligible	Penetration	Children and Youth with 1 or	Certified Eligible	Penetration	Children and Youth with 1 or	Certified Eligible	Penetration
	or more SMHS	Children and	Rate	or more	Children and	Rate	more SMHS	Children and	Rate	more SMHS	Children and	Rate
	Visits	Youth		SMHS Visits	Youth		Visits	Youth		Visits	Youth	
All	822	11,637	7.1%	791	12,284	6.4%	809	15,792	5.1%	734	17,368	4.2%
Children 0-5	86	4,352	2.0%	93	4,264	2.2%	81	4,878	1.7%	49	5,130	1.0%
Children 6-11	329	3,119	10.5%	313	3,594	8.7%	293	4,777	6.1%	243	5,168	4.7%
Children 12-17	338	2,650	12.8%	303	2,870	10.6%	341	4,046	8.4%	341	4,383	7.8%
Youth 18-20	69	1,516	4.6%	82	1,556	5.3%	94	2,091	4.5%	101	2,687	3.8%
Alaskan Native or American Indian	11	95	11.6%	11	99	11.1%	^	115	۸	۸	123	۸
Asian or Pacific Islander	^	243	٨	^	273	۸	^	462	۸	۸	507	^
Black	14	148	9.5%	^	135	۸	15	139	10.8%	12	142	8.5%
Hispanic	93	2,942	3.2%	90	3,059	2.9%	98	3,693	2.7%	109	3,930	2.8%
White	647	7,088	9.1%	594	7,262	8.2%	571	8,929	6.4%	499	9,711	5.1%
Other	۸	132	۸	۸	97	۸	^	121	۸	0	128	0.0%
Unknown	51	989	5.2%	76	1,359	5.6%	103	2,333	4.4%	98	2,827	3.5%
Female	348	5,682	6.1%	343	6,042	5.7%	387	7,812	5.0%	360	8,558	4.2%
Male	474	5,955	8.0%	448	6,242	7.2%	422	7,980	5.3%	374	8,810	4.2%

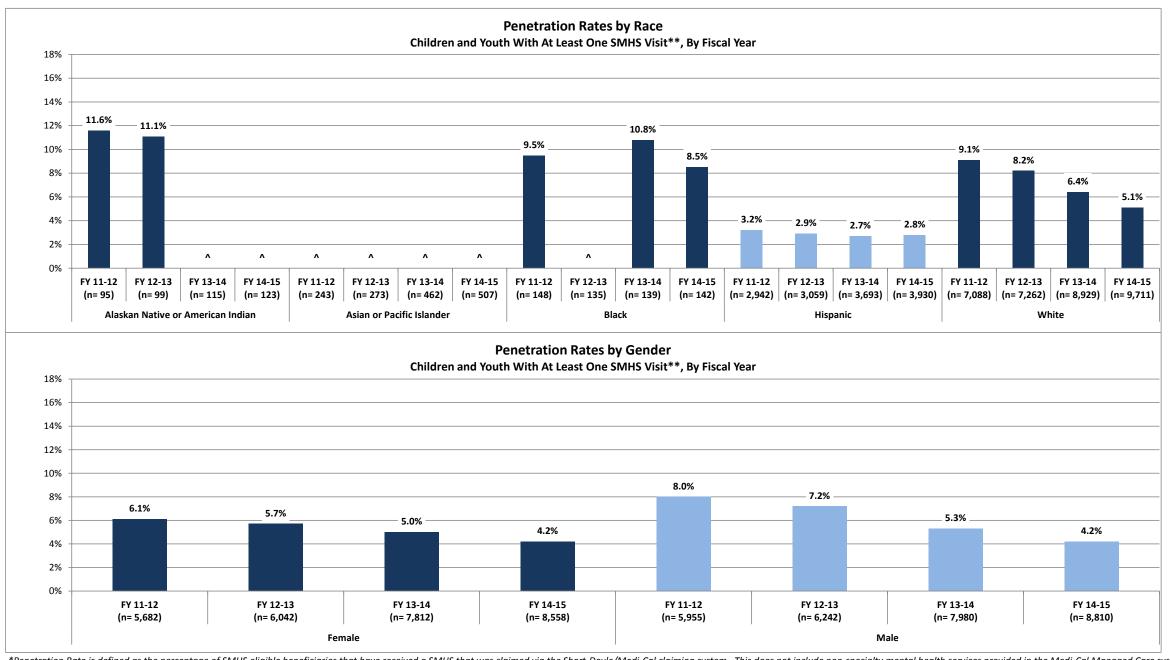


<sup>\*</sup>Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in the Medi-Cal Managed Care system.

<sup>\*\*</sup>Children and Youth that have received at least one SMHS in the Fiscal Year.

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

El Dorado County as of August 3, 2016



<sup>\*</sup>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 the Medi-Cal Managed Care system.

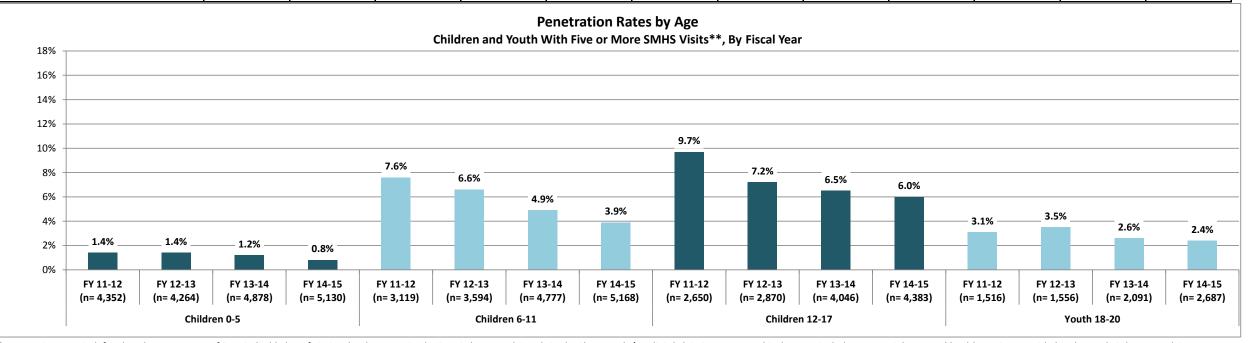
<sup>\*\*</sup>Children and Youth that have received at least one SMHS in the Fiscal Year.

<sup>^</sup> Data has been suppressed to protect patient privacy.

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

El Dorado County as of August 3, 2016

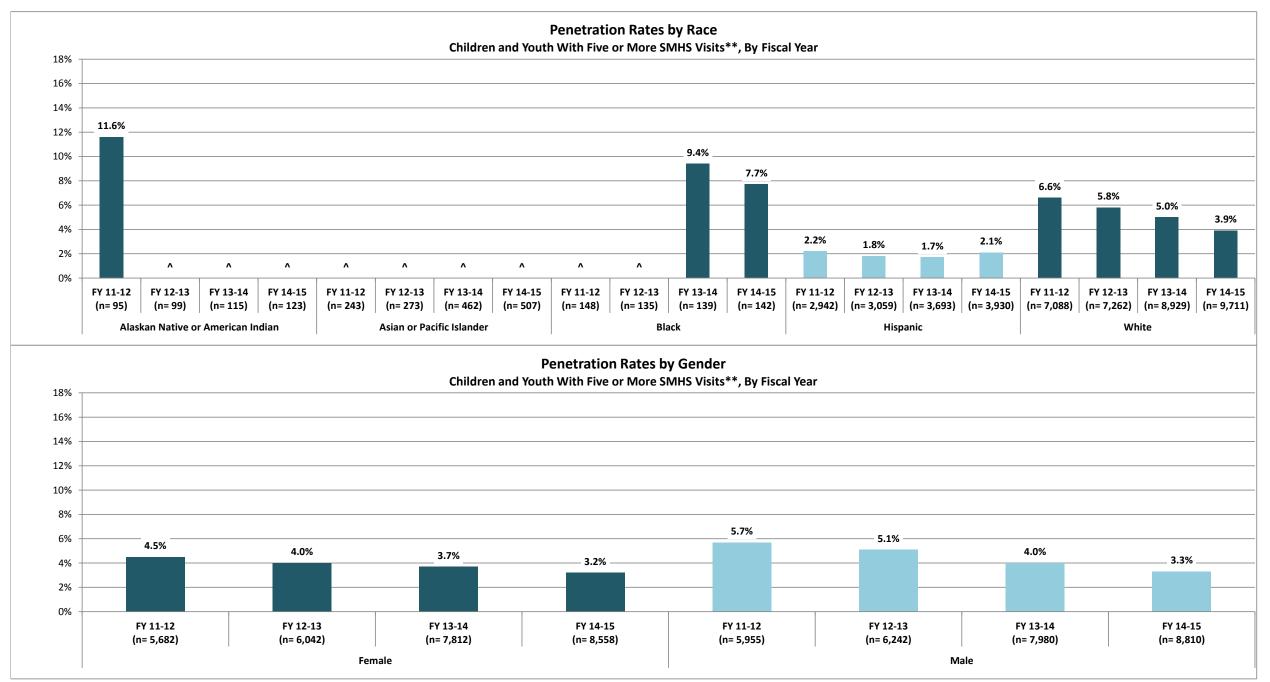
		FY 11-12			FY 12-13			FY 13-14			FY 14-15	
	Children and Youth with 5 or	Certified	Donotration	Children and Youth with 5 or	Certified	Donotrotion	Children and Youth with 5 or	Certified Eligible	Donotration	Children and Youth with 5 or	Certified	Donatuation
	more SMHS	Eligible Children and	Penetration Rate	more SMHS	Eligible Children and	Penetration Rate	more SMHS	Children and	Penetration Rate	more SMHS	Eligible Children and	Penetration Rate
	Visits	Youth		Visits	Youth		Visits	Youth		Visits	Youth	
All	599	11,637	5.1%	560	12,284	4.6%	609	15,792	3.9%	568	17,368	3.3%
Children 0-5	59	4,352	1.4%	59	4,264	1.4%	58	4,878	1.2%	40	5,130	0.8%
Children 6-11	236	3,119	7.6%	239	3,594	6.6%	234	4,777	4.9%	199	5,168	3.9%
Children 12-17	257	2,650	9.7%	208	2,870	7.2%	262	4,046	6.5%	264	4,383	6.0%
Youth 18-20	47	1,516	3.1%	54	1,556	3.5%	55	2,091	2.6%	65	2,687	2.4%
Alaskan Native or American Indian	11	95	11.6%	^	99	۸	^	115	۸	۸	123	^
Asian or Pacific Islander	^	243	^	^	273	٨	^	462	٨	٨	507	^
Black	^	148	^	^	135	٨	13	139	9.4%	11	142	7.7%
Hispanic	66	2,942	2.2%	55	3,059	1.8%	63	3,693	1.7%	82	3,930	2.1%
White	467	7,088	6.6%	418	7,262	5.8%	444	8,929	5.0%	382	9,711	3.9%
Other	0	132	0.0%	۸	97	٨	۸	121	٨	0	128	0.0%
Unknown	40	989	4.0%	65	1,359	4.8%	74	2,333	3.2%	81	2,827	2.9%
Female	258	5,682	4.5%	244	6,042	4.0%	289	7,812	3.7%	275	8,558	3.2%
Male	341	5,955	5.7%	316	6,242	5.1%	320	7,980	4.0%	293	8,810	3.3%



<sup>\*</sup>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 the Medi-Cal Managed Care system. \*\*Children and Youth that have received at least five SMHS in the Fiscal Year.

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

El Dorado County as of August 3, 2016



<sup>\*</sup>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 the Medi-Cal Managed Care system.

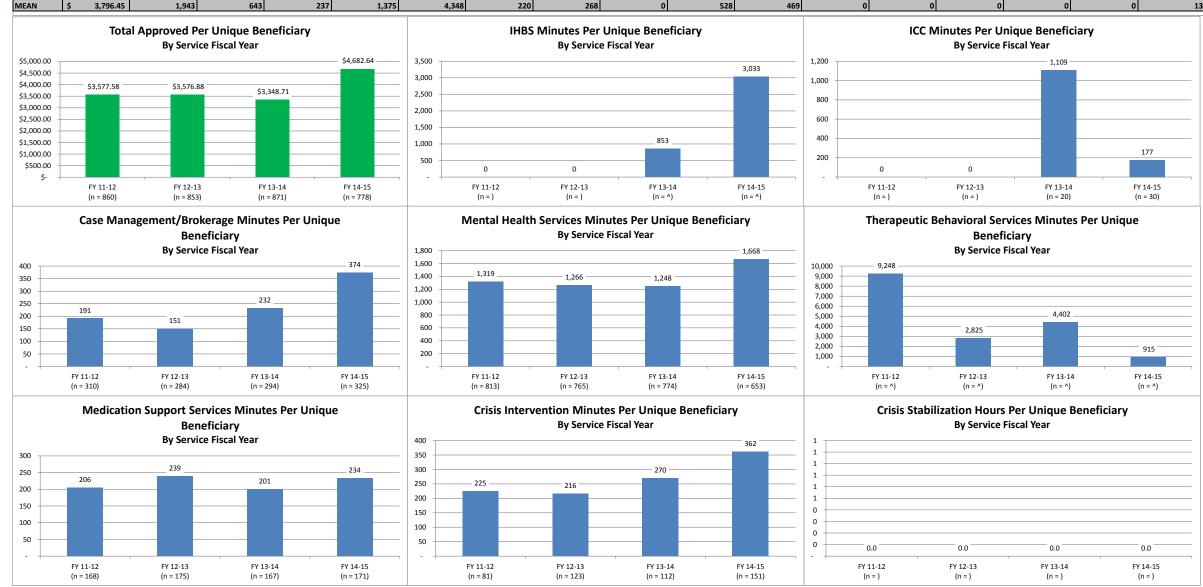
<sup>\*\*</sup>Children and Youth that have received at least five SMHS in the Fiscal Year.

<sup>^</sup> Data has been suppressed to protect patient privacy.

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

El Dorado County as of August 3, 2016

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)	Fee for Service		Adult Residential Treatment Services (Days)	
FY 11-12	\$ 3,577.5	8 0	0	191	1,319	9,248	206	225	0	558	403	0	0	0	0	0	25
FY 12-13	\$ 3,576.8	8 0	0	151	1,266	2,825	239	216	0	740	371	0	0	0	0	0	9
FY 13-14	\$ 3,348.	1 853	1,109	232	1,248	4,402	201	270	0	285	553	0	0	0	0	0	10
FY 14-15	\$ 4,682.6	4 3,033	177	374	1,668	915	234	362	0	0	549	0	0	0	0	0	7
MEAN	\$ 3,796.4	5 1,943	643	237	1,375	4,348	220	268	0	528	469	0	0	0	0	0	13



<sup>\*</sup>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.

<sup>^</sup> Data has been suppressed to protect patient privacy.

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

10.2

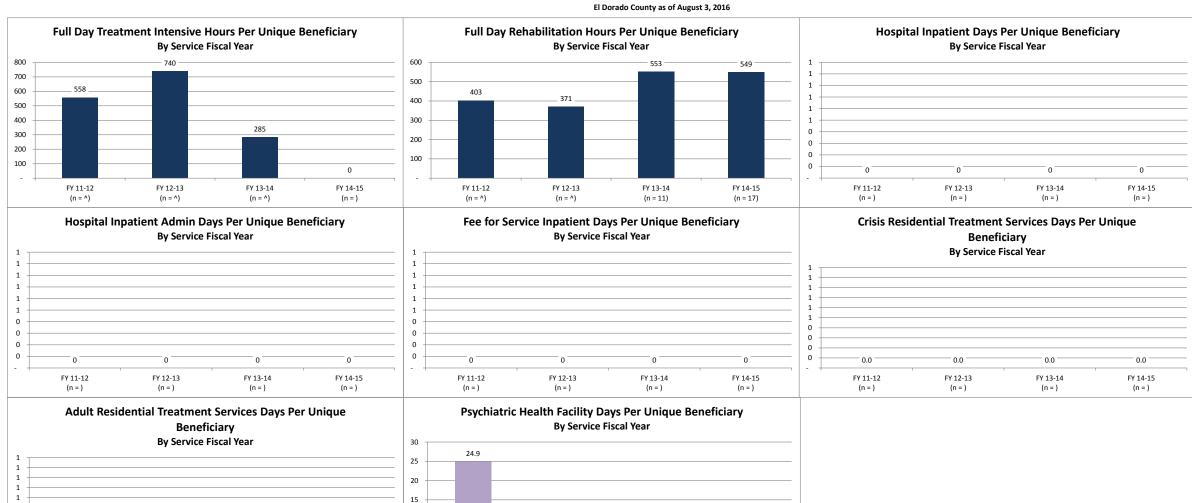
FY 13-14

(n = ^)

6.6

FY 14-15

(n = 29)



FY 12-13

(n = )

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.

0.0

FY 14-15

(n = )

0.0

FY 13-14

(n = )

0.0

FY 11-12

(n = )

Page 12 of 14

FY 11-12

(n = ^)

9.0

FY 12-13

(n = 21)

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

<sup>^</sup> Data has been suppressed to protect patient privacy.

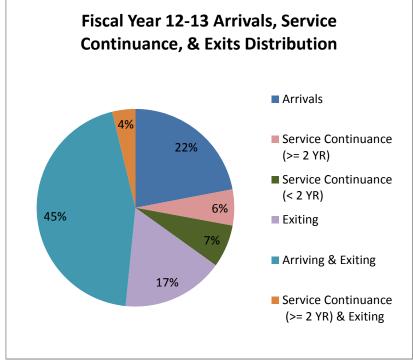
# Snapshot Report: Unique Count of Children and Youth Receiving SMHS Arriving, Exiting, and with Service Continuance by Fiscal Year

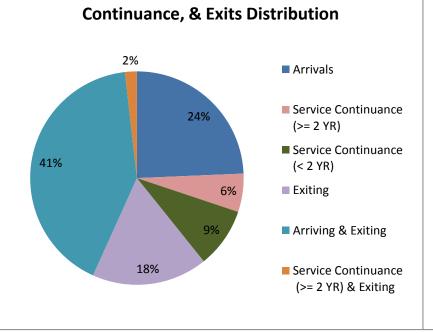
El Dorado County as of August 3, 2016

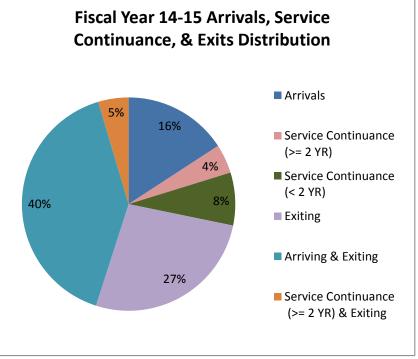
Category	Description (Please refer to the Measures Catalog for more detailed descriptions on all Performance Outcomes System measures.)
Arrivals	Children/Youth that did not receive any SMHS within 3 months of their first date of service in the Fiscal Year.
Service Continuance	Children/Youth receiving 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 <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 (>= 2 YR) Count	Continuance	Service Continuance (<2 YR) Count	Service Continuance (< 2 YR) %	Exiting Count	Exiting %	Arriving & Exiting Count	Exiting %		Service Continuance (>= 2 YR) and Exiting %		Total %
FY 12-13	174	22.0%	47	5.9%	55	7.0%	132	16.7%	353	44.6%	30	3.8%	791	100%
FY 13-14	197	24.3%	47	5.8%	74	9.1%	142	17.5%	336	41.4%	15	1.8%	811	100%
FY 14-15	116	15.8%	32	4.4%	59	8.0%	196	26.7%	296	40.4%	34	4.6%	733	100%

Fiscal Year 13-14 Arrivals, Service







# Time to Step Down Report: Children and Youth Stepping Down in SMHS Services Post Inpatient Discharge County as of August 3, 2016

Service FY	Discharges with Step Down within 7 Days of Discharge	Discharges with Step Down within 7 Days of	Step Down within 30 Days of	Discharges with Step Down within 30 Days of	Step Down > 30  Days from	Discharges with a Step Down > 30 Days from	Discharges with No Step Down*	Inpatient Discharges with No Step Down*	of Days between Discharge and Step Down	between  Discharge and	Inpatient Discharge	Inpatient Discharge	
	of Discharge	Discharge	Discharge	Discharge	Discharge	Discharge		No Step Down	Step Down	Step Down	(Days)	(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	
10 9 8 7 6 5													
100%	FY 10-11	FY 11-12	ercenta e c	Square s	/ \L_L	etween Inpa- ithin 8 - 30 Days 31	FY 10-11  ient Dischar  Days + No Step	ge and Step	ov <del>n 3</del> ervi	FY 12-13	FY 13		

<sup>\*</sup> **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.