## **Performance Outcomes System**

Report run on August 3, 2017

### 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: <a href="http://www.dhcs.ca.gov/provgovpart/pos/Pages/default.aspx">http://www.dhcs.ca.gov/provgovpart/pos/Pages/default.aspx</a>

### **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 SMH' 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 four Fiscal Years (FY). A FY is from July 1st to June 30th.

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.

#### **Data Sources -**

- Short-Doyle/Medi-Cal II (SD/MC II) claims with dates of service in FY 12/13 through FY 15/16.
- Medi-Cal Eligibility Data System (MEDS) data from the Management Information System/Decision Support System (MIS/DSS) FY 12/13 through FY15/16.

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#### Additional Information

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

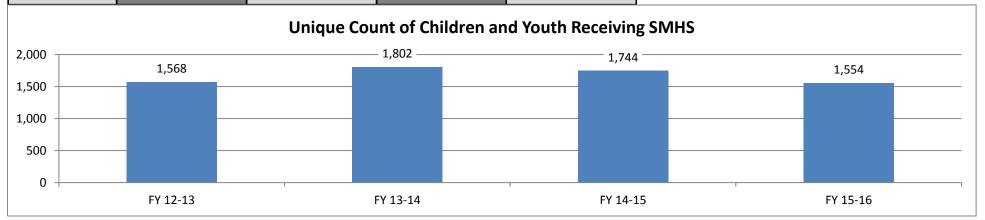
\*The *penetration rates* reported here were calculated using a different methodology than that used by the External Quality Review Organization (EQRO). The differences in methodology make comparison between the POS penetration rates and the EQRO penetration rates not appropriate or useful. The POS methodology 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). 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 includes data from Short Doyle/Medi-Cal II claims data and fee-for-service data. 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.

SFY	Unique Count Receiving SMHS*	Year-Over-Year Percentage Change	Unique Count of Medi-Cal Eligibles	Year-Over-Year Percentage Change
FY 12-13	1,568		23,355	
FY 13-14	1,802	14.9%	26,935	15.3%
FY 14-15	1,744	-3.2%	28,256	4.9%
FY 15-16	1,554	-10.9%	28,850	2.1%
Compound Annual Growth Rate SFY**		-0.3%		7.3%



<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.

Shasta County as of August 3, 2017

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 12-13	42	2.7%	12	0.8%	56	3.6%	117	7.5%	1,168	74.5%	٨	۸	۸	٨
FY 13-14	47	2.6%	24	1.3%	59	3.3%	140	7.8%	1,352	75.0%	٨	۸	^	٨
FY 14-15	51	2.9%	21	1.2%	58	3.3%	138	7.9%	1,308	75.0%	٨	٨	۸	٨
FY 15-16	40	2.6%	12	0.8%	49	3.2%	126	8.1%	1,171	75.4%	۸	۸	^	٨

#### Fiscal Year 12-13 Race Distribution Fiscal Year 13-14 Race Distribution 3% 1% <sub>3%</sub> 3% 1% <sub>4%</sub> Alaskan Native or American Alaskan Native or American Indian Indian ٨ Asian or Pacific Islander Asian or Pacific Islander Black Black Hispanic Hispanic White White Other Other 75% 75% Unknown Unknown CHARTS NOT PRODUCED DUE TO SMALL CELL SIZES. **Fiscal Year 14-15 Race Distribution Fiscal Year 15-16 Race Distribution** 3% 1% <sub>3%</sub> 3% 1% <sub>3%</sub> Alaskan Native or American Alaskan Native or American Indian Asian or Pacific Islander Asian or Pacific Islander Black **Black** Hispanic Hispanic \*FY 13-14 claims are estimated to be 95% complete as of January 1, 2015White White Other Other 75% 75% Unknown Unknown

Please note: This report uses the Medi-Cal Eligibility Data System to obtain race/ethnicity data. CDSS uses Child Welfare Services/Case Management System to obtain race/ethnicity data. For more information, please refer to the Measures Catalog.

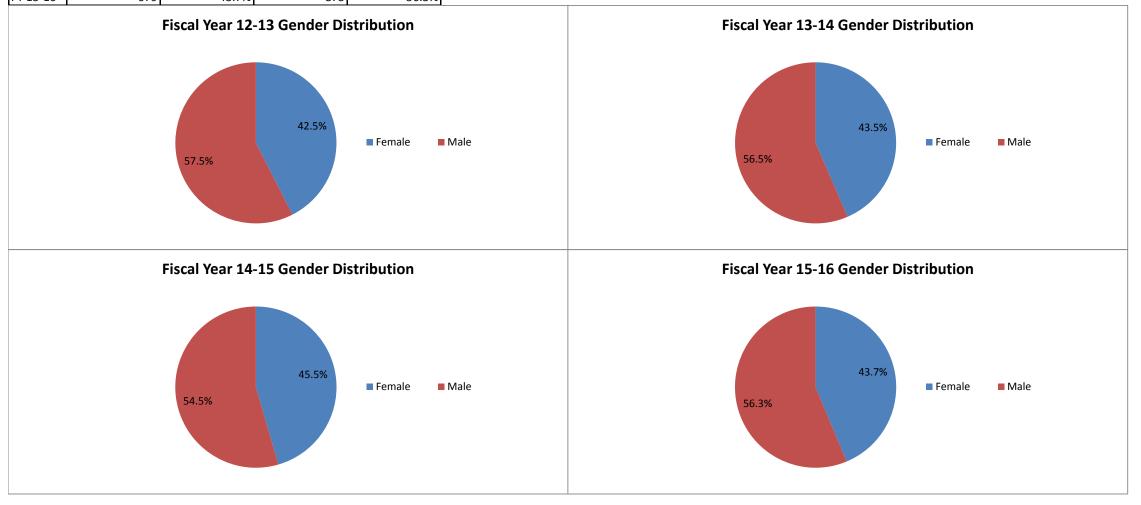
^ Data has been suppressed to protect patient privacy.

Fiscal Year	Children 0-2 Count	Children 0-2 %	Children 3-5 Count	Children 3-5 %	Children 6-11 Count	Children 6-11 %	Children 12-17 Count	Children 12-17 %	Youth 18-20 Count	Youth 18-20 %
FY 12-13	13	0.8%	138	8.8%	597	38.1%	625	39.9%	195	12.4%
FY 13-14	۸	٨	159	8.8%	698	38.7%	731	40.6%	۸	۸
FY 14-15	11	0.6%	144	8.3%	620	35.6%	744	42.7%	225	12.9%
FY 15-16	11	0.7%	110	7.1%	572	36.8%	624	40.2%	237	15.3%

Fiscal Year 12-13 Age Group Dis	tribution	Fiscal Year 13-14 Age Group Distribution					
1% 12% 9%	Children 0-2	^ 9%	Children 0-2				
	Children 3-5		Children 3-5				
38%	Children 6-11	39%	Children 6-11				
40%	Children 12-17	41%	Children 12-17				
	Youth 18-20		Youth 18-20				
CHARTS Fiscal Year 14-15 Age Group Dis		JE TO SMALL CELL SIZES.  Fiscal Year 15-16 Age Group D	istribution				
1% 13% 8%	Children 0-2	1% 15% 7%	Children 0-2				
00/	Children 0-2 Children 3-5		Children 0-2 Children 3-5				
00/		7%					
13% 8%	Children 3-5	15% <sup>7%</sup>	Children 3-5				

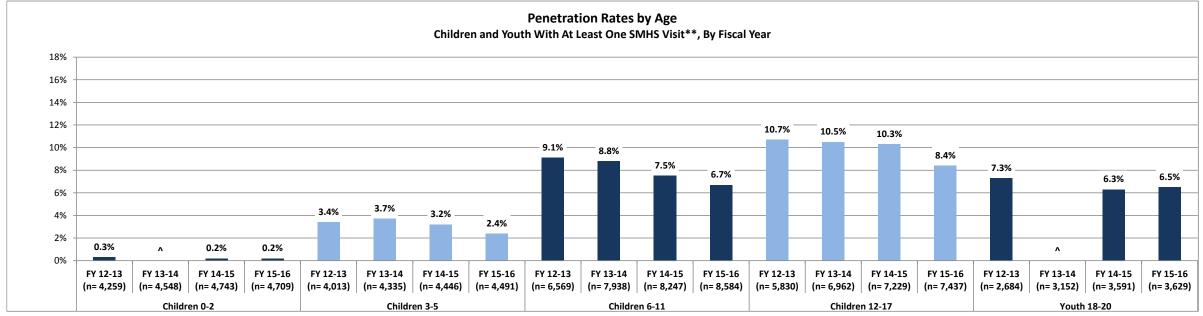
<sup>^</sup> Data has been suppressed to protect patient privacy.

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 12-13	666	42.5%	902	57.5%
FY 13-14	784	43.5%	1,018	56.5%
FY 14-15	793	45.5%	951	54.5%
FY 15-16	679	43.7%	875	56.3%



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

		FY 12-13			FY 13-14			FY 14-15			FY 15-16	
	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	1,568	23,355	6.7%	1,802	26,935	6.7%	1,744	28,256	6.2%	1,554	28,850	5.4%
Children 0-2	13	4,259	0.3%	۸	4,548	۸	11	4,743	0.2%	11	4,709	0.2%
Children 3-5	138	4,013	3.4%	159	4,335	3.7%	144	4,446	3.2%	110	4,491	2.4%
Children 6-11	597	6,569	9.1%	698	7,938	8.8%	620	8,247	7.5%	572	8,584	6.7%
Children 12-17	625	5,830	10.7%	731	6,962	10.5%	744	7,229	10.3%	624	7,437	8.4%
Youth 18-20	195	2,684	7.3%	۸	3,152	٨	225	3,591	6.3%	237	3,629	6.5%
Alaskan Native or American Indian	42	780	5.4%	47	849	5.5%	51	870	5.9%	40	855	4.7%
Asian or Pacific Islander	12	767	1.6%	24	959	2.5%	21	1,064	2.0%	12	1,095	1.1%
Black	56	511	11.0%	59	560	10.5%	58	548	10.6%	49	529	9.3%
Hispanic	117	2,849	4.1%	140	3,295	4.2%	138	3,483	4.0%	126	3,575	3.5%
White	1,168	16,347	7.1%	1,352	18,320	7.4%	1,308	19,021	6.9%	1,171	19,026	6.2%
Other	٨	127	٨	۸	274	٨	۸	200	٨	۸	165	٨
Unknown	۸	1,974	۸	۸	2,678	۸	۸	3,070	۸	۸	3,605	۸
Female	666	11,359	5.9%	784	13,081	6.0%	793	13,724	5.8%	679	14,027	4.8%
Male	902	11,996	7.5%	1,018	13,854	7.3%	951	14,532	6.5%	875	14,823	5.9%

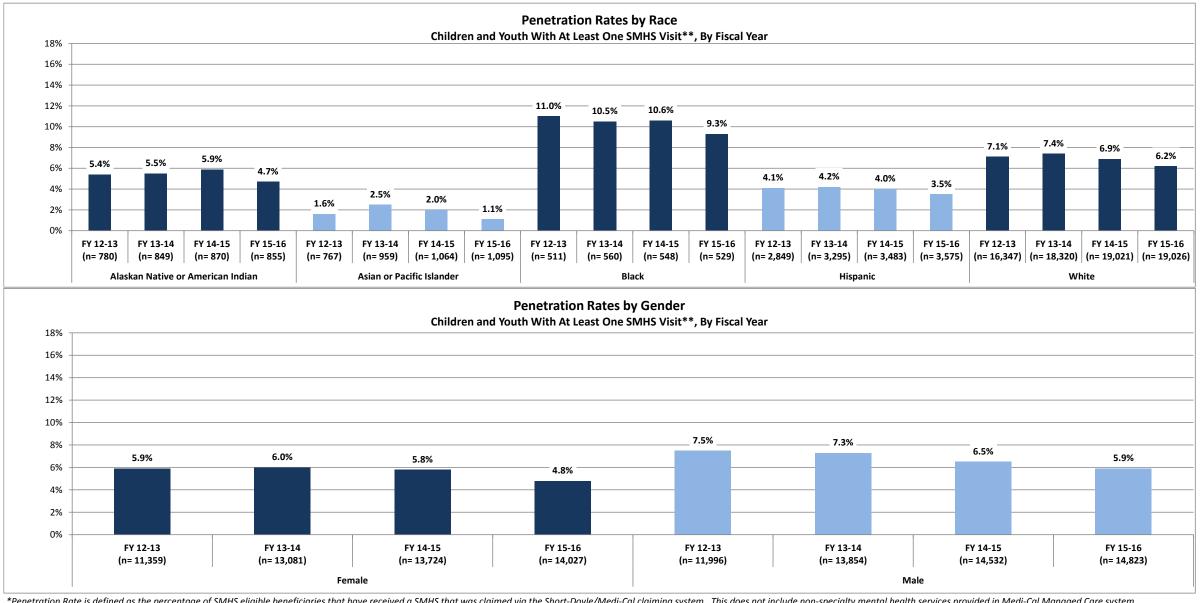


<sup>\*</sup>Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

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

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

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



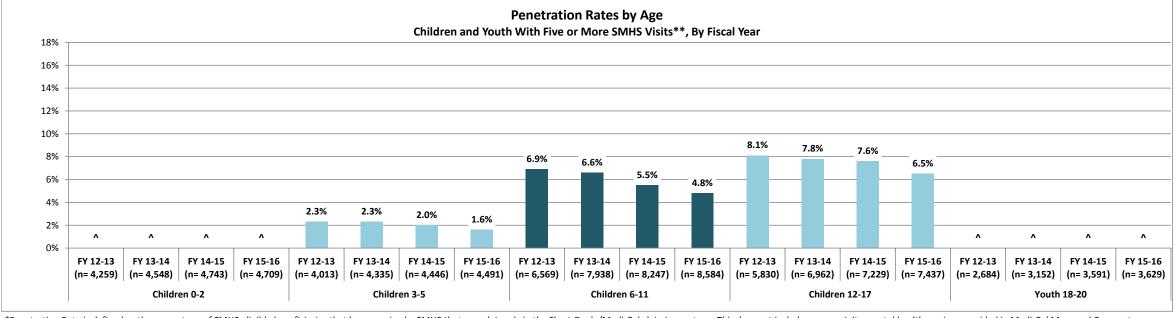
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<sup>\*\*</sup>Children and Youth that have received at least one SMHS that was claimed through the Short-Doyle/ Medi-Cal claiming system on at least one (1) day in the Fiscal Year.

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

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

		FY 12-13			FY 13-14			FY 14-15			FY 15-16	
	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	1,151	23,355	4.9%	1,306	26,935	4.8%	1,250	28,256	4.4%	1,123	28,850	3.9%
Children 0-2	۸	4,259	۸	^	4,548	۸	۸	4,743	۸	۸	4,709	۸
Children 3-5	92	4,013	2.3%	100	4,335	2.3%	90	4,446	2.0%	74	4,491	1.6%
Children 6-11	450	6,569	6.9%	525	7,938	6.6%	457	8,247	5.5%	414	8,584	4.8%
Children 12-17	470	5,830	8.1%	541	6,962	7.8%	551	7,229	7.6%	485	7,437	6.5%
Youth 18-20	^	2,684	۸	^	3,152	^	^	3,591	^	۸	3,629	۸
Alaskan Native or American Indian	29	780	3.7%	32	849	3.8%	35	870	4.0%	29	855	3.4%
Asian or Pacific Islander	٨	767	٨	17	959	1.8%	15	1,064	1.4%	۸	1,095	٨
Black	39	511	7.6%	48	560	8.6%	49	548	8.9%	36	529	6.8%
Hispanic	72	2,849	2.5%	89	3,295	2.7%	81	3,483	2.3%	84	3,575	2.3%
White	876	16,347	5.4%	983	18,320	5.4%	941	19,021	4.9%	846	19,026	4.4%
Other	٨	127	٨	۸	274	^	۸	200	۸	۸	165	٨
Unknown	121	1,974	6.1%	^	2,678	^	^	3,070	۸	114	3,605	3.2%
Female	479	11,359	4.2%	555	13,081	4.2%	558	13,724	4.1%	490	14,027	3.5%
Male	672	11,996	5.6%	751	13,854	5.4%	692	14,532	4.8%	633	14,823	4.3%

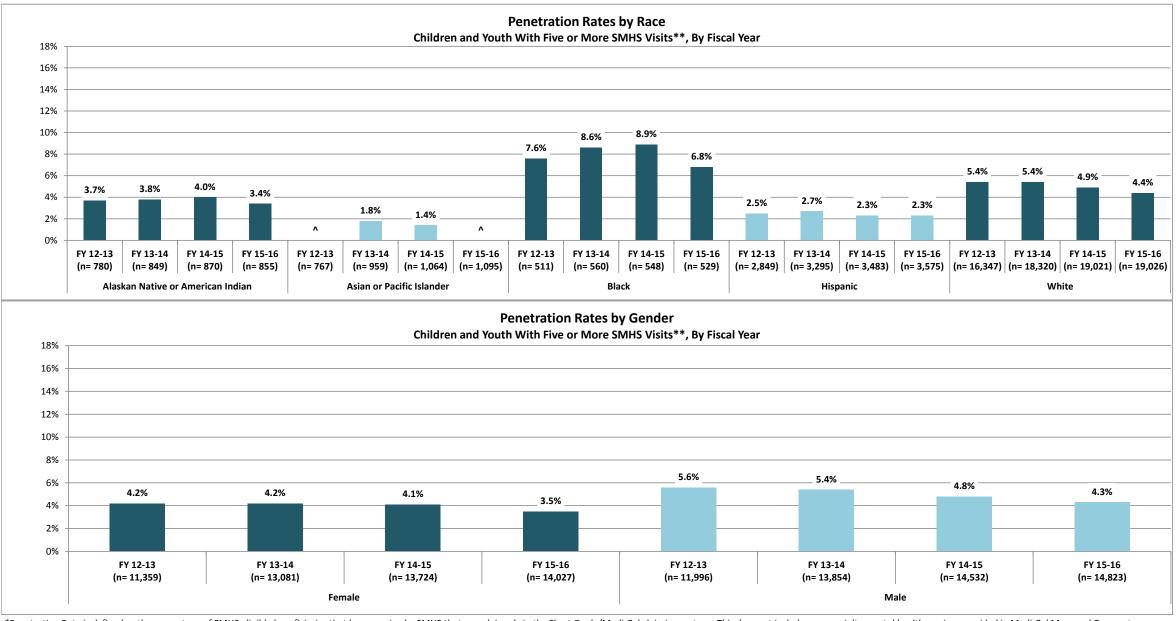


<sup>\*</sup>Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

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

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

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



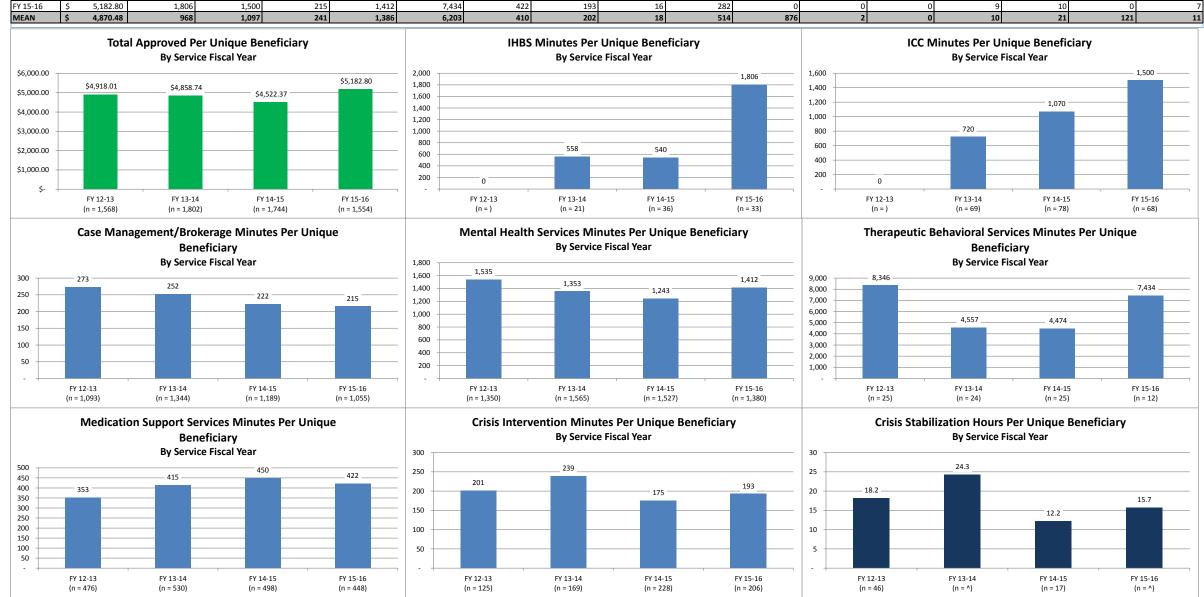
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<sup>\*\*</sup>Children and Youth that have received at least five SMHS that were claimed through the Short-Doyle/ Medi-Cal claiming system on at least five (5) or more different days in the Fiscal Year.

<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

Shasta County as of August 3, 2017 **Therapeutic Full Day** Medication Crisis Crisis **Full Day** Hospital Crisis Residenti dult Residentia **Psychiatric SDMC Total** IHBS Management/ Behavioral Treatment Fee for Service Services upport Services Intervention Stabilization Rehabilitation npatient Admi Treatment Treatment **Health Facility** (Minutes) (Minutes) Intensive Approved Brokerage Services Inpatient (Days) Inpatient (Days) Services (Days) Services (Days) (Minutes) (Minutes) (Minutes) (Hours) (Hours) (Days) (Days) (Minutes) (Minutes) (Hours) 4,918.01 273 1,535 8,346 353 201 491 933 4,858.74 558 720 1,353 4,557 415 239 24 524 252 739 540 222 175 546 27 4,522.37 1,070 1,243 4,474 450 12 1,170 121 5.182.80 1.806 1.500 215 1.412 7.434 422 193 16 282 10



<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.

**Fiscal Year** 

FY 12-13

FY 13-14

FY 14-15

<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



0.0

FY 13-14

(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.

FY 15-16

(n = )

FY 14-15

(n = ^)

4

FY 12-13

(n = 13)

0.0

FY 12-13

80 60 40

20

FY 14-15

(n = 18)

FY 15-16

(n = 21)

FY 13-14

(n = 15)

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

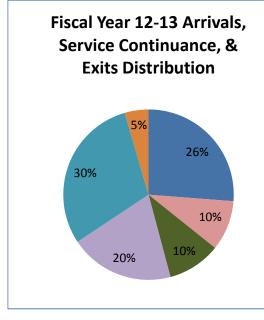
<sup>^</sup> Data has been suppressed to protect patient privacy.

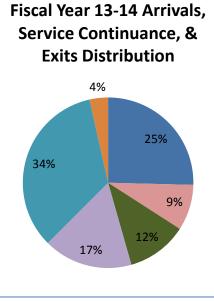
# Snapshot Report: Unique Count of Children and Youth Receiving SMHS Arriving, Exiting, and with Service Continuance by Fiscal Year

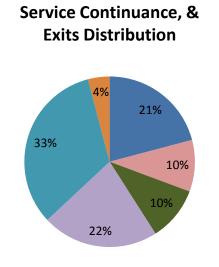
Shasta County as of August 3, 2017

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.
<b>Service Continuance</b>	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.
<b>Arriving &amp; Exiting</b>	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.

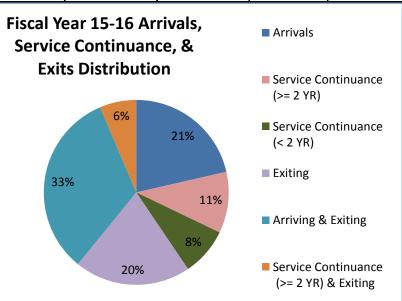
Service Fiscal Year	Arrivals Count	Arrivals %	Service Continuance (>= 2 YR) Count		Service Continuance (<2 YR) Count		Exiting Count	Exiting %	Arriving & Exiting Count	Arriving & Exiting %		(>= 2 YR) and	Total Count	Total %
FY 12-13	411	26.2%	149	9.5%	159	10.1%	311	19.8%	468	29.8%	70	4.5%	1,568	100%
FY 13-14	458	25.4%	157	8.7%	207	11.5%	304	16.9%	613	34.0%	63	3.5%	1,802	100%
FY 14-15	365	20.9%	171	9.8%	179	10.3%	385	22.1%	573	32.9%	71	4.1%	1,744	100%
FY 15-16	333	21.4%	167	10.7%	130	8.4%	316	20.3%	508	32.7%	100	6.4%	1,554	100%





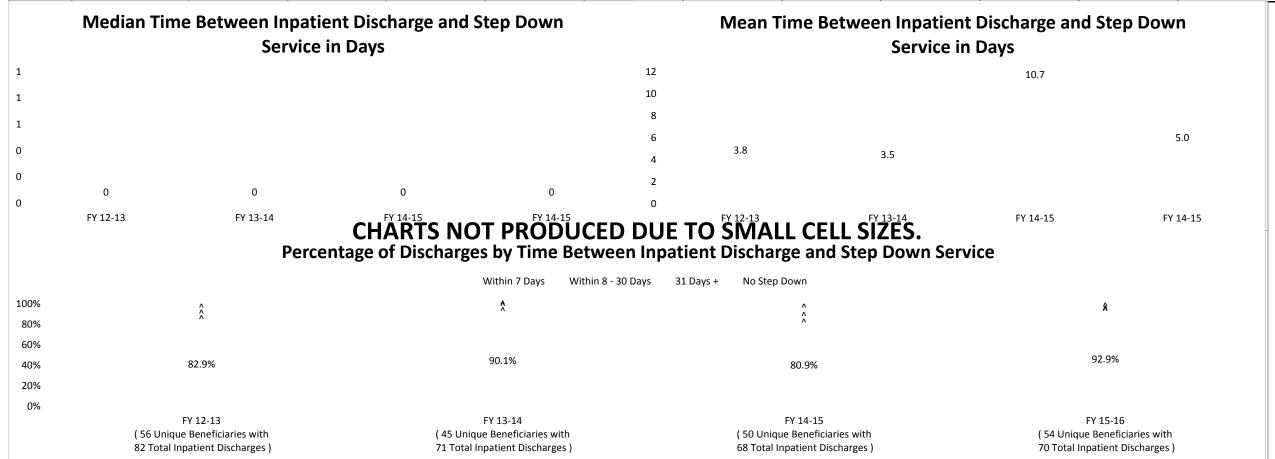


Fiscal Year 14-15 Arrivals,



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

Service FY	Count of Inpatient Discharges with Step Down within 7 Days of Discharge	Step Down within	Count of Inpatient Discharges with Step Down Between 8 and 30 Days	Inpatient Discharges with Step Down	Days from	Inpatient Discharges with a	Discharges with		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 12-13	68	82.9%	٨	۸	۸	^	۸	^	0	84	3.8	0
FY 13-14	64	90.1%	۸	۸	۸	^	0	0.0%	0	87	3.5	0
FY 14-15	55	80.9%	٨	۸	۸	۸	٨	۸	0	224	10.7	0
FY 15-16	65	92.9%	۸	۸	۸	۸	۸	۸	0	253	5.0	0



<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.

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