

# 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.

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 are 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). Where possible, the reports provide trend information by displaying information for Fiscal Years (FY) 10/11, 11/12, 12/13, and 13/14.

Note: The time to step-down report has a change in methodology from the first report produced in February 2015. In the initial February 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/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog\\_Sept15Reporting\\_Final\\_1.11.15.pdf](http://www.dhcs.ca.gov/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog_Sept15Reporting_Final_1.11.15.pdf)

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 dating back to the first meeting in 2012. To obtain this information go to:

<http://www.dhcs.ca.gov/provgovpart/pos/Pages/Performance-Outcomes-System-Legislation.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/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog\\_Sept15Reporting\\_Final\\_1.11.15.pdf](http://www.dhcs.ca.gov/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog_Sept15Reporting_Final_1.11.15.pdf)

\*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 1016 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](mailto:cmhpos@dhcs.ca.gov) for any questions regarding this report.***

**Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year  
San Bernardino 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
<b>FY 10-11</b>	11,932		338,169	
<b>FY 11-12</b>	13,193	10.6%	346,083	2.3%
<b>FY 12-13</b>	14,857	12.6%	398,330	15.1%
<b>FY 13-14**</b>	16,135	8.6%	434,625	9.1%
<b>Compound Annual Growth Rate SFY**</b>		<b>10.6%</b>		<b>8.7%</b>

\*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 Bernardino 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	58	0.5%	85	0.7%	2,182	18.3%	5,150	43.2%	3,468	29.1%	20	0.2%	969	8.1%
FY 11-12	55	0.4%	127	1.0%	2,406	18.2%	5,842	44.3%	3,686	27.9%	19	0.1%	1,058	8.0%
FY 12-13	57	0.4%	119	0.8%	2,487	16.7%	6,868	46.2%	3,957	26.6%	29	0.2%	1,340	9.0%
FY 13-14	35	0.2%	151	0.9%	2,469	15.3%	7,787	48.3%	4,075	25.3%	31	0.2%	1,587	9.8%

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

**Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year  
San Bernardino 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	1,254	10.5%	4,049	33.9%	5,262	44.1%	1,367	11.5%
FY 11-12	1,442	10.9%	4,536	34.4%	5,569	42.2%	1,646	12.5%
FY 12-13	1,547	10.4%	5,294	35.6%	6,212	41.8%	1,804	12.1%
FY 13-14	1,684	10.4%	5,622	34.8%	6,880	42.6%	1,949	12.1%

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

**Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year  
San Bernardino County as of July 29, 2015**

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 10-11	4,715	39.5%	7,217	60.5%
FY 11-12	5,268	39.9%	7,925	60.1%
FY 12-13	5,956	40.1%	8,901	59.9%
FY 13-14	6,613	41.0%	9,522	59.0%

**Penetration Rates\* Report: Children and Youth With At Least One SMHS Visit\*\*  
San Bernardino 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
<b>All</b>	<b>11,932</b>	<b>338,169</b>	<b>3.5%</b>	<b>13,193</b>	<b>346,083</b>	<b>3.8%</b>	<b>14,857</b>	<b>398,330</b>	<b>3.7%</b>	<b>16,135</b>	<b>434,625</b>	<b>3.7%</b>
Children 0-5	1,254	126,361	1.0%	1,442	125,964	1.1%	1,547	132,027	1.2%	1,684	133,947	1.3%
Children 6-11	4,049	90,271	4.5%	4,536	93,703	4.8%	5,294	116,317	4.6%	5,622	127,562	4.4%
Children 12-17	5,262	82,371	6.4%	5,569	83,353	6.7%	6,212	103,150	6.0%	6,880	113,570	6.1%
Youth 18-20	1,367	39,166	3.5%	1,646	43,063	3.8%	1,804	46,836	3.9%	1,949	59,546	3.3%
Alaskan Native or American Indian	58	710	8.2%	55	697	7.9%	57	746	7.6%	35	833	4.2%
Asian or Pacific Islander	85	7,900	1.1%	127	7,948	1.6%	119	10,485	1.1%	151	13,236	1.1%
Black	2,182	41,765	5.2%	2,406	42,135	5.7%	2,487	43,364	5.7%	2,469	44,721	5.5%
Hispanic	5,150	207,393	2.5%	5,842	212,017	2.8%	6,868	244,233	2.8%	7,787	261,596	3.0%
White	3,468	53,985	6.4%	3,686	54,187	6.8%	3,957	59,140	6.7%	4,075	63,635	6.4%
Other	20	1,460	1.4%	19	1,141	1.7%	29	1,674	1.7%	31	2,176	1.4%
Unknown	969	24,956	3.9%	1,058	27,958	3.8%	1,340	38,688	3.5%	1,587	48,428	3.3%
Female	4,715	168,588	2.8%	5,268	172,751	3.0%	5,956	198,111	3.0%	6,613	215,525	3.1%
Male	7,217	169,581	4.3%	7,925	173,332	4.6%	8,901	200,219	4.4%	9,522	219,100	4.3%

\*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.

**Penetration Rates\* Report: Children and Youth With At Least One SMHS Visit\*\*  
San Bernardino 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
<b>All</b>	<b>8,348</b>	<b>338,169</b>	<b>2.5%</b>	<b>9,260</b>	<b>346,083</b>	<b>2.7%</b>	<b>10,438</b>	<b>398,330</b>	<b>2.6%</b>	<b>11,255</b>	<b>434,625</b>	<b>2.6%</b>
Children 0-5	832	126,361	0.7%	959	125,964	0.8%	1,063	132,027	0.8%	1,143	133,947	0.9%
Children 6-11	2,972	90,271	3.3%	3,308	93,703	3.5%	3,819	116,317	3.3%	4,080	127,562	3.2%
Children 12-17	3,792	82,371	4.6%	4,078	83,353	4.9%	4,484	103,150	4.3%	4,844	113,570	4.3%
Youth 18-20	752	39,166	1.9%	915	43,063	2.1%	1,072	46,836	2.3%	1,188	59,546	2.0%
Alaskan Native or American Indian	40	710	5.6%	39	697	5.6%	36	746	4.8%	20	833	2.4%
Asian or Pacific Islander	56	7,900	0.7%	72	7,948	0.9%	82	10,485	0.8%	94	13,236	0.7%
Black	1,475	41,765	3.5%	1,678	42,135	4.0%	1,729	43,364	4.0%	1,698	44,721	3.8%
Hispanic	3,561	207,393	1.7%	4,031	212,017	1.9%	4,743	244,233	1.9%	5,361	261,596	2.0%
White	2,454	53,985	4.5%	2,640	54,187	4.9%	2,866	59,140	4.8%	2,904	63,635	4.6%
Other	15	1,460	1.0%	^	1,141	^	15	1,674	0.9%	24	2,176	1.1%
Unknown	747	24,956	3.0%	^	27,958	^	967	38,688	2.5%	1,154	48,428	2.4%
Female	3,129	168,588	1.9%	3,563	172,751	2.1%	4,041	198,111	2.0%	4,496	215,525	2.1%
Male	5,219	169,581	3.1%	5,697	173,332	3.3%	6,397	200,219	3.2%	6,759	219,100	3.1%

\*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.



**Utilization Report\*: Approved Specialty Mental Health Services for Children and Youth  
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year\*\*  
San Bernardino 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	\$ 3,161.32	0	0	195	1152	4263	193	220	10	455	529	N/A	N/A	0	0	0
FY 11-12	\$ 3,014.97	0	0	243	1108	3481	183	203	9	545	480	N/A	N/A	0	0	30
FY 12-13	\$ 3,228.67	0	0	223	1139	3294	168	206	12	534	534	N/A	N/A	47	0	32
FY 13-14	\$ 3,377.58	1624	742	238	1110	3195	171	195	10	738	535	N/A	N/A	43	0	81
<b>MEAN</b>	<b>\$ 3,195.64</b>	<b>1624</b>	<b>742</b>	<b>225</b>	<b>1127</b>	<b>3558</b>	<b>179</b>	<b>206</b>	<b>10</b>	<b>568</b>	<b>519</b>	<b>N/A</b>	<b>N/A</b>	<b>45</b>	<b>0</b>	<b>47</b>

\*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 report contains inpatient services that were claimed through the Short-Doyle/Medi-Cal claiming system.

**Snapshot Report: Unique Count of Children and Youth Receiving SMHS  
Arriving, Exiting, and with Service Continuance by Fiscal Year  
San Bernardino 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 <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) %	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	3,051	20.5%	593	4.0%	914	6.2%	2,978	20.0%	6,492	43.7%	829	5.6%	14,857	100%
FY 13-14	3,453	21.4%	827	5.1%	1,290	8.0%	3,040	18.8%	6,853	42.5%	672	4.2%	16,135	100%

**Time to Step Down Report: Children and Youth Stepping Down in SMHS Services Post Inpatient Discharge  
San Bernardino 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	788	30.4%	1388	53.6%	810	31.3%	391	15.1%	0	1630	104.2	17
FY 11-12	1188	46.4%	1704	66.5%	540	21.1%	317	12.4%	0	1200	54.8	6
FY 12-13	1342	64.4%	1581	75.8%	265	12.7%	239	11.5%	0	897	28.2	1
FY 13-14	1410	56.7%	1809	72.8%	302	12.2%	374	15.1%	0	524	20.0	2

\* This report contains inpatient services that were claimed through the Short-Doyle/Medi-Cal claiming system and the Fee-for-Service, California Medicaid Management Information System (CA-MMIS).

\*\*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 w