

Performance Outcomes System

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 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; 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.

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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:

<http://www.dhcs.ca.gov/provgovpart/pos/Pages/Performance-Outcomes-System-Reports-and-Measures-Catalog.aspx>

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 the two most recent fiscal years. 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.

**Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
San Joaquin 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	3,609		116,208	
FY 12-13	4,048	12.2%	129,432	11.4%
FY 13-14	4,581	13.2%	145,173	12.2%
FY 14-15	4,339	-5.3%	153,210	5.5%
Compound Annual Growth Rate SFY**		6.3%		9.7%

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

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

Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
San Joaquin County as of 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	19	0.5%	162	4.5%	729	20.2%	1,327	36.8%	1,082	30.0%	^	^	^	^
FY 12-13	19	0.5%	156	3.9%	777	19.2%	1,546	38.2%	1,172	29.0%	14	0.3%	364	9.0%
FY 13-14	16	0.3%	199	4.3%	874	19.1%	1,741	38.0%	1,269	27.7%	16	0.3%	466	10.2%
FY 14-15	11	0.3%	195	4.5%	841	19.4%	1,635	37.7%	1,181	27.2%	^	^	^	^

Please note: This report uses the Medi-Cal Eligibility Data System (MEDS) to obtain race/ethnicity data. The MEDS data is entered by County Welfare Departments and may differ from data maintained by County Mental Health Plans. For more information, please refer to the Measures Catalog.

^ Data has been suppressed to protect patient privacy.

Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
San Joaquin County as of 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	464	12.9%	1,054	29.2%	1,603	44.4%	488	13.5%
FY 12-13	494	12.2%	1,174	29.0%	1,761	43.5%	619	15.3%
FY 13-14	599	13.1%	1,273	27.8%	2,020	44.1%	689	15.0%
FY 14-15	514	11.8%	1,125	25.9%	1,980	45.6%	720	16.6%

Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
San Joaquin County as of August 3, 2016

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 11-12	1,555	43.1%	2,054	56.9%
FY 12-13	1,761	43.5%	2,287	56.5%
FY 13-14	2,072	45.2%	2,509	54.8%
FY 14-15	1,974	45.5%	2,365	54.5%

Penetration Rates* Report: Children and Youth With At Least One SMHS Visit**
San Joaquin County as of August 3, 2016

	FY 11-12			FY 12-13			FY 13-14			FY 14-15		
	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	3,609	116,208	3.1%	4,048	129,432	3.1%	4,581	145,173	3.2%	4,339	153,210	2.8%
Children 0-5	464	43,242	1.1%	494	44,186	1.1%	599	45,959	1.3%	514	46,468	1.1%
Children 6-11	1,054	31,788	3.3%	1,174	37,754	3.1%	1,273	43,133	3.0%	1,125	45,434	2.5%
Children 12-17	1,603	26,500	6.0%	1,761	31,110	5.7%	2,020	36,370	5.6%	1,980	38,173	5.2%
Youth 18-20	488	14,678	3.3%	619	16,382	3.8%	689	19,711	3.5%	720	23,135	3.1%
Alaskan Native or American Indian	19	268	7.1%	19	257	7.4%	16	268	6.0%	11	268	4.1%
Asian or Pacific Islander	162	14,458	1.1%	156	15,820	1.0%	199	18,330	1.1%	195	19,183	1.0%
Black	729	13,233	5.5%	777	13,586	5.7%	874	14,217	6.1%	841	14,654	5.7%
Hispanic	1,327	58,980	2.2%	1,546	66,633	2.3%	1,741	73,433	2.4%	1,635	77,407	2.1%
White	1,082	19,129	5.7%	1,172	20,274	5.8%	1,269	22,304	5.7%	1,181	23,176	5.1%
Other	^	1,024	^	14	955	1.5%	16	1,003	1.6%	^	785	^
Unknown	^	9,116	^	364	11,907	3.1%	466	15,618	3.0%	^	17,737	^
Female	1,555	57,542	2.7%	1,761	64,097	2.7%	2,072	71,896	2.9%	1,974	75,351	2.6%
Male	2,054	58,666	3.5%	2,287	65,335	3.5%	2,509	73,277	3.4%	2,365	77,859	3.0%

*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 one SMHS in the Fiscal Year.

Please note: This report uses the Medi-Cal Eligibility Data System (MEDS) to obtain race/ethnicity data. The MEDS data is entered by County Welfare Departments and may differ from data maintained by County Mental Health Plans. For more information, please refer to the Measures Catalog.

Penetration Rates* Report: Children and Youth with Five or More SMHS Visits**
San Joaquin County as of August 3, 2016

	FY 11-12			FY 12-13			FY 13-14			FY 14-15		
	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	2,447	116,208	2.1%	2,727	129,432	2.1%	3,132	145,173	2.2%	3,236	153,210	2.1%
Children 0-5	317	43,242	0.7%	297	44,186	0.7%	295	45,959	0.6%	417	46,468	0.9%
Children 6-11	741	31,788	2.3%	845	37,754	2.2%	909	43,133	2.1%	874	45,434	1.9%
Children 12-17	1,100	26,500	4.2%	1,206	31,110	3.9%	1,471	36,370	4.0%	1,467	38,173	3.8%
Youth 18-20	289	14,678	2.0%	379	16,382	2.3%	457	19,711	2.3%	478	23,135	2.1%
Alaskan Native or American Indian	12	268	4.5%	16	257	6.2%	13	268	4.9%	^	268	^
Asian or Pacific Islander	103	14,458	0.7%	106	15,820	0.7%	129	18,330	0.7%	127	19,183	0.7%
Black	497	13,233	3.8%	522	13,586	3.8%	590	14,217	4.1%	627	14,654	4.3%
Hispanic	862	58,980	1.5%	1,012	66,633	1.5%	1,168	73,433	1.6%	1,191	77,407	1.5%
White	753	19,129	3.9%	793	20,274	3.9%	886	22,304	4.0%	914	23,176	3.9%
Other	^	1,024	^	^	955	^	^	1,003	^	^	785	^
Unknown	^	9,116	^	^	11,907	^	^	15,618	^	367	17,737	2.1%
Female	1,036	57,542	1.8%	1,176	64,097	1.8%	1,388	71,896	1.9%	1,459	75,351	1.9%
Male	1,411	58,666	2.4%	1,551	65,335	2.4%	1,744	73,277	2.4%	1,777	77,859	2.3%

*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 the Medi-Cal Managed Care system.

**Children and Youth that have received at least five SMHS in the Fiscal Year.

Please note: This report uses the Medi-Cal Eligibility Data System (MEDS) to obtain race/ethnicity data. The MEDS data is entered by County Welfare Departments and may differ from data maintained by County Mental Health Plans. For more information, please refer to the Measures Catalog.

Utilization Report*: Approved Specialty Mental Health Services for Children and Youth
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year*
San Joaquin County as of 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 Inpatient (Days)	Crisis Residential Treatment Services (Days)	Adult Residential Treatment Services (Days)	Psychiatric Health Facility (Days)
FY 11-12	\$ 2,890.75	0	0	182	805	3,146	252	187	20	398	371	0	0	0	13	39	5
FY 12-13	\$ 3,512.26	0	0	166	858	2,840	244	178	27	557	0	0	0	0	15	97	8
FY 13-14	\$ 3,347.08	861	594	175	857	2,116	260	205	27	554	0	0	0	0	16	47	12
FY 14-15	\$ 4,000.67	1,181	965	201	1,007	2,121	281	206	27	530	0	0	0	0	15	78	11
MEAN	\$ 3,437.69	1,021	780	181	882	2,556	259	194	25	509	371	0	0	0	15	65	9

*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.

**Snapshot Report: Unique Count of Children and Youth Receiving SMHS
Arriving, Exiting, and with Service Continuance by Fiscal Year
San Joaquin County as of August 3, 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 Arrivals and Exiting above for the fiscal year.
Service Continuance & Exiting	A distinct category in which Children/Youth had at least 2 years of Service Continuance going into the Fiscal Year and then Exited within the same Fiscal Year.

Service Fiscal Year	Arrivals Count	Arrivals %	Service Continuance (>= 2 YR) Count	Service Continuance (>= 2 YR) %	Service Continuance (<2 YR) Count	Service Continuance (< 2 YR) %	Exiting Count	Exiting %	Arriving & Exiting Count	Arriving & Exiting %	Service Continuance (>= 2 YR) & Exiting Count	Service Continuance (>= 2 YR) and Exiting %	Total Count	Total %
FY 12-13	908	22.4%	265	6.5%	317	7.8%	644	15.9%	1,863	46.0%	55	1.4%	4,052	100%
FY 13-14	951	20.8%	324	7.1%	369	8.1%	720	15.7%	2,144	46.8%	75	1.6%	4,583	100%
FY 14-15	950	21.9%	325	7.5%	362	8.4%	846	19.5%	1,739	40.1%	111	2.6%	4,333	100%

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