

Performance Outcomes Adult Specialty Mental Health Services Report Report Date February 12, 2019

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.asp>

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) 14/15, 15/16, 16/17, and 17/18.

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 14/15 through FY 17/18.

- Medi-Cal Eligibility Data System (MEDS) data from the Management Information System/Decision Support System (MIS/DSS) FY 14/15 through FY17/18.

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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/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog_Sept15Reporting_Fin_al_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.

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*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 fiscal responsibility for the patient 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 Adults Receiving SMHS by Fiscal Year
Medium Sized Counties as of February 12, 2019**

SFY	Unique Count Receiving SMHS*	Year-Over-Year Percentage Change	Unique Count of Medi-Cal Eligibles	Year-Over-Year Percentage Change
FY 14-15	42,725		950,120	
FY 15-16	43,674	2.2%	1,044,783	10.0%
FY 16-17	43,618	-0.1%	1,083,579	3.7%
FY 17-18	43,226	-0.9%	1,083,701	0.0%
Compound Annual Growth Rate SFY**		0.4%		4.5%

*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 Adults Receiving SMHS by Fiscal Year
Medium Sized Counties as of February 12, 2019**

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 14-15	401	0.9%	2,465	5.8%	3,422	8.0%	8,086	18.9%	20,871	48.8%	1,778	4.2%	5,702	13.3%
FY 15-16	395	0.9%	2,350	5.4%	3,470	7.9%	8,979	20.6%	20,728	47.5%	1,904	4.4%	5,848	13.4%
FY 16-17	358	0.8%	2,250	5.2%	3,428	7.9%	9,362	21.5%	20,436	46.9%	2,045	4.7%	5,739	13.2%
FY 17-18	367	0.8%	2,168	5.0%	3,353	7.8%	9,739	22.5%	19,888	46.0%	2,106	4.9%	5,605	13.0%

**This report uses the Medi-Cal Eligibility Data System for racial data, while CDSS uses the Child Welfare Services/Case Management System.*

**Demographics Report: Unique Count of Adults Receiving SMHS by Fiscal Year
Medium Sized Counties as of February 12, 2019**

Fiscal Year	Adults 21-44 Count	Adults 21-44 %	Adults 45-64 Count	Adults 45-64 %	Adults 65+ Count	Adults 65+ %
FY 14-15	22,306	52.2%	17,848	41.8%	2,571	6.0%
FY 15-16	23,173	53.1%	17,750	40.6%	2,751	6.3%
FY 16-17	23,347	53.5%	17,453	40.0%	2,818	6.5%
FY 17-18	23,634	54.7%	16,663	38.5%	2,929	6.8%

Demographics Report: Unique Count of Adults Receiving SMHS by Fiscal Year
Medium Sized Counties as of February 12, 2019

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 14-15	22,790	53.3%	19,935	46.7%
FY 15-16	23,093	52.9%	20,581	47.1%
FY 16-17	22,640	51.9%	20,978	48.1%
FY 17-18	22,374	51.8%	20,852	48.2%

Penetration Rates* Report: Adults With At Least One SMHS Visit
Medium Sized Counties as of February 12, 2019**

	FY 14-15			FY 15-16			FY 16-17			FY 17-18		
	Adults and Older Adults with 1 or more SMHS Visits	Certified Eligible Adults and Older Adults	Penetration Rate	Adults and Older Adults with 1 or more SMHS	Certified Eligible Adults and Older Adults	Penetration Rate	Adults and Older Adults with 1 or more SMHS Visits	Certified Eligible Adults and Older Adults	Penetration Rate	Adults and Older Adults with 1 or more SMHS Visits	Certified Eligible Adults and Older Adults	Penetration Rate
All	42,725	950,120	4.5%	43,674	1,044,783	4.2%	43,618	1,083,579	4.0%	43,226	1,083,701	4.0%
Adults 21-44	22,306	516,086	4.3%	23,173	578,005	4.0%	23,347	602,870	3.9%	23,634	602,996	3.9%
Adults 45-64	17,848	307,596	5.8%	17,750	331,414	5.4%	17,453	337,982	5.2%	16,663	333,308	5.0%
Adults 65+	2,571	126,438	2.0%	2,751	135,364	2.0%	2,818	142,727	2.0%	2,929	147,397	2.0%
Alaskan Native or Americ. Ind	401	6,806	5.9%	395	7,291	5.4%	358	7,422	4.8%	367	7,235	5.1%
Asian or Pacific Islander	2,465	79,708	3.1%	2,350	87,417	2.7%	2,250	89,103	2.5%	2,168	86,231	2.5%
Black	3,422	54,591	6.3%	3,470	58,260	6.0%	3,428	59,786	5.7%	3,353	59,198	5.7%
Hispanic	8,086	328,196	2.5%	8,979	370,882	2.4%	9,362	395,013	2.4%	9,739	405,840	2.4%
White	20,871	360,089	5.8%	20,728	384,756	5.4%	20,436	388,254	5.3%	19,888	379,267	5.2%
Other	1,778	49,241	3.6%	1,904	58,014	3.3%	2,045	63,900	3.2%	2,106	65,956	3.2%
Unknown	5,702	71,489	8.0%	5,848	78,163	7.5%	5,739	80,101	7.2%	5,605	79,974	7.0%
Female	22,790	528,230	4.3%	23,093	575,513	4.0%	22,640	596,790	3.8%	22,374	598,427	3.7%
Male	19,935	421,890	4.7%	20,581	469,270	4.4%	20,978	486,789	4.3%	20,852	485,274	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.

**Adults and Older Adults 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.

Engagement Rates* Report: Adults with Five or More SMHS Visits
Medium Sized Counties as of February 12, 2019**

	FY 14-15			FY 15-16			FY 16-17			FY 17-18		
	Adults and Older Adults with 5 or more SMHS Visits	Certified Eligible Adults and Older Adults	Penetration Rate	Adults and Older Adults with 5 or more SMHS Visits	Certified Eligible Adults and Older Adults	Penetration Rate	Adults and Older Adults with 5 or more SMHS Visits	Certified Eligible Adults and Older Adults	Penetration Rate	Adults and Older Adults with 5 or more SMHS Visits	Certified Eligible Adults and Older Adults	Penetration Rate
All	25,276	950,120	2.7%	25,511	1,044,783	2.4%	25,706	1,083,579	2.4%	25,387	1,083,701	2.3%
Adults 21-44	12,444	516,086	2.4%	12,677	578,005	2.2%	13,004	602,870	2.2%	13,145	602,996	2.2%
Adults 45-64	11,186	307,596	3.6%	11,092	331,414	3.3%	10,915	337,982	3.2%	10,422	333,308	3.1%
Adults 65+	1,646	126,438	1.3%	1,742	135,364	1.3%	1,787	142,727	1.3%	1,820	147,397	1.2%
Alaskan Native or Ameri Ind	223	6,806	3.3%	218	7,291	3.0%	207	7,422	2.8%	209	7,235	2.9%
Asian or Pacific Islander	1,396	79,708	1.8%	1,323	87,417	1.5%	1,274	89,103	1.4%	1,272	86,231	1.5%
Black	1,868	54,591	3.4%	1,898	58,260	3.3%	1,942	59,786	3.2%	1,898	59,198	3.2%
Hispanic	4,509	328,196	1.4%	4,916	370,882	1.3%	5,147	395,013	1.3%	5,248	405,840	1.3%
White	12,599	360,089	3.5%	12,334	384,756	3.2%	12,232	388,254	3.2%	11,880	379,267	3.1%
Other	961	49,241	2.0%	964	58,014	1.7%	1,037	63,900	1.6%	1,090	65,956	1.7%
Unknown	3,720	71,489	5.2%	3,858	78,163	4.9%	3,867	80,101	4.8%	3,790	79,974	4.7%
Female	13,372	528,230	2.5%	13,405	575,513	2.3%	13,285	596,790	2.2%	13,166	598,427	2.2%
Male	11,904	421,890	2.8%	12,106	469,270	2.6%	12,421	486,789	2.6%	12,221	485,274	2.5%

*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.

**Adults and Older 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

**Utilization Report*: Approved Specialty Mental Health Services for Adults
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year*
Medium Sized Counties as of February 12, 2019**

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 Rehab on (Hours)	Hospital Inpatient (Days)	Hospital Inpatient Admin (Days)	Fee for Service Inpatient (Days)	Crisis Residential Treatment Services (Days)	Adult Residential Treatment Services (Days)	Psych Health Facility (Days)
FY 14-15	\$ 239,759,376	9,538,750	26,546,232	9,227,724	2,930,602	113,824	0	16,628	4,870	2,163	21,803	32,386	32,063	22,834
FY 15-16	\$ 247,711,835	9,736,560	30,096,739	9,272,078	2,940,526	123,955	0	17,284	4,149	2,200	22,172	30,786	34,818	20,228
FY 16-17	\$ 263,658,886	9,117,647	25,437,342	9,086,851	3,063,344	134,224	11,364	16,362	3,411	1,826	23,880	34,375	34,702	23,289
FY 17-18	\$ 282,460,943	9,397,300	25,079,256	8,770,989	3,203,627	141,044	15,408	16,484	4,479	1,504	24,039	36,726	32,385	24,383
MEAN	\$ 258,397,760	9,447,564	26,789,892	9,089,410	3,034,524	128,262	13,386	16,690	4,227	1,923	22,974	33,568	33,492	22,683

**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.

^ 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
Medium Sized Counties as of February 12, 2019**

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 &	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 14-15	6,826	16.0%	6,209	14.5%	4,847	11.3%	5,681	13.3%	18,355	43.0%	807	1.9%	42,725	100%
FY 15-16	6,852	15.7%	6,637	15.2%	4,386	10.0%	5,950	13.6%	18,884	43.2%	965	2.2%	43,674	100%
FY 16-17	27,926	16.8%	23,799	14.3%	18,490	11.1%	25,668	15.4%	65,853	39.6%	4,408	2.7%	166,144	100%
FY 17-18	5,607	13.0%	6,083	14.1%	3,484	8.1%	6,755	15.6%	19,499	45.1%	1,798	4.2%	43,226	100%

Time to Step Down Report: Adults Stepping Down in SMHS Services Post Inpatient Discharge*
Medium Sized Counties as of February 12, 2019

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 Between 8 and 30 Days	Percentage of Inpatient Discharges with Step Down Between 8 and 30 Days	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 14-15	2,179	70.2%	246	7.9%	424	13.7%	254	8.2%	0	365	19.3	0
FY 15-16	2,225	69.6%	260	8.1%	363	11.3%	351	11.0%	0	364	18.9	0
FY 16-17	2,484	74.7%	190	5.7%	361	10.9%	290	8.7%	0	361	16.4	0
FY 17-18	2,454	70.3%	259	7.4%	294	8.4%	486	13.9%	0	364	15.6	0

**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.*