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.

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

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.

*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

Large 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	169,479		3,625,145	
FY 15-16	169,524	0.0%	4,006,521	10.5%
FY 16-17	166,144	-2.0%	4,150,045	3.6%
FY 17-18	161,690	-2.7%	4,119,158	-0.7%
Compound Annual Growth Rate SFY**		**-1.6%**		**4.4%**

**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

Large 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	1,119	0.7%	14,346	8.5%	23,368	13.8%	33,935	20.0%	61,207	36.1%	12,888	7.6%	22,616	13.3%
FY 15-16	1,185	0.7%	13,497	8.0%	22,825	13.5%	35,619	21.0%	60,343	35.6%	13,615	8.0%	22,440	13.2%
FY 16-17	1,163	0.7%	12,670	7.6%	22,068	13.3%	36,383	21.9%	57,990	34.9%	13,895	8.4%	21,975	13.2%
FY 17-18	1,150	0.7%	12,196	7.5%	21,502	13.3%	36,649	22.7%	55,234	34.2%	14,360	8.9%	20,599	12.7%

**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

Large 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	84,107	49.6%	75,557	44.6%	9,815	5.8%
FY 15-16	86,190	50.8%	73,247	43.2%	10,087	6.0%
FY 16-17	86,017	51.8%	69,535	41.9%	10,592	6.4%
FY 17-18	84,759	52.4%	65,971	40.8%	10,960	6.8%

Demographics Report: Unique Count of Adults Receiving SMHS by Fiscal Year

Large Sized Counties as of February 12, 2019

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 14-15	90,724	53.5%	78,755	46.5%
FY 15-16	88,711	52.3%	80,813	47.7%
FY 16-17	85,891	51.7%	80,253	48.3%
FY 17-18	82,831	51.2%	78,859	48.8%

Penetration Rates* Report: Adults With At Least One SMHS Visit**
Large 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	Penetratio n 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	**169,479**	**3,625,145**	**4.7%**	**169,524**	**4,006,521**	**4.2%**	**166,144**	**4,150,045**	**4.0%**	**161,690**	**4,119,158**	**3.9%**
Adults 21-44	84,107	1,854,808	4.5%	86,190	2,099,534	4.1%	86,017	2,188,975	3.9%	84,759	2,173,434	3.9%
Adults 45-64	75,557	1,192,747	6.3%	73,247	1,289,085	5.7%	69,535	1,310,902	5.3%	65,971	1,279,558	5.2%
Adults 65+	9,815	577,590	1.7%	10,087	617,902	1.6%	10,592	650,168	1.6%	10,960	666,166	1.6%
Alaskan Native or Ameri. Ind	1,119	15,928	7.0%	1,185	17,186	6.9%	1,163	17,535	6.6%	1,150	17,232	6.7%
Asian or Pacific Islander	14,346	602,136	2.4%	13,497	657,426	2.1%	12,670	665,720	1.9%	12,196	636,851	1.9%
Black	23,368	330,233	7.1%	22,825	352,551	6.5%	22,068	358,487	6.2%	21,502	354,793	6.1%
Hispanic	33,935	1,136,124	3.0%	35,619	1,287,543	2.8%	36,383	1,370,668	2.7%	36,649	1,399,671	2.6%
White	61,207	910,208	6.7%	60,343	979,716	6.2%	57,990	987,115	5.9%	55,234	953,449	5.8%
Other	12,888	322,561	4.0%	13,615	374,157	3.6%	13,895	406,286	3.4%	14,360	420,478	3.4%
Unknown	22,616	307,955	7.3%	22,440	337,942	6.6%	21,975	344,234	6.4%	20,599	336,684	6.1%
Female	90,724	2,029,057	4.5%	88,711	2,222,671	4.0%	85,891	2,299,443	3.7%	82,831	2,288,147	3.6%
Male	78,755	1,596,088	4.9%	80,813	1,783,850	4.5%	80,253	1,850,602	4.3%	78,859	1,831,011	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**
Large 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	**104,260**	**3,625,145**	**2.9%**	**103,993**	**4,006,521**	**2.6%**	**101,943**	**4,150,045**	**2.5%**	**98,812**	**4,119,158**	**2.4%**
Adults 21-44	48,619	1,854,808	2.6%	49,499	2,099,534	2.4%	49,500	2,188,975	2.3%	48,769	2,173,434	2.2%
Adults 45-64	49,206	1,192,747	4.1%	47,853	1,289,085	3.7%	45,396	1,310,902	3.5%	42,752	1,279,558	3.3%
Adults 65+	6,435	577,590	1.1%	6,641	617,902	1.1%	7,047	650,168	1.1%	7,291	666,166	1.1%
Alaskan Native or Americ Ind	682	15,928	4.3%	700	17,186	4.1%	703	17,535	4.0%	676	17,232	3.9%
Asian or Pacific Islander	9,254	602,136	1.5%	8,653	657,426	1.3%	8,287	665,720	1.2%	8,051	636,851	1.3%
Black	13,726	330,233	4.2%	13,518	352,551	3.8%	13,049	358,487	3.6%	12,843	354,793	3.6%
Hispanic	19,923	1,136,124	1.8%	20,704	1,287,543	1.6%	21,362	1,370,668	1.6%	21,445	1,399,671	1.5%
White	38,082	910,208	4.2%	37,351	979,716	3.8%	35,830	987,115	3.6%	33,749	953,449	3.5%
Other	7,640	322,561	2.4%	8,075	374,157	2.2%	8,168	406,286	2.0%	8,268	420,478	2.0%
Unknown	14,953	307,955	4.9%	14,992	337,942	4.4%	14,544	344,234	4.2%	13,780	336,684	4.1%
Female	55,921	2,029,057	2.8%	54,787	2,222,671	2.5%	53,012	2,299,443	2.3%	50,934	2,288,147	2.2%
Male	48,339	1,596,088	3.0%	49,206	1,783,850	2.8%	48,931	1,850,602	2.6%	47,878	1,831,011	2.6%

**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 Adultsthat 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*
Large 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 Rehabon (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 14-15	$ 882,400,875	25,380,085	86,564,379	30,482,826	2,915,407	757,573	246	278,496	53,442	18,669	119,418	84,165	89,765	24,135
FY 15-16	$ 893,678,513	25,017,074	85,932,600	30,573,206	2,898,280	836,746	0	128,048	44,336	18,930	134,691	87,762	83,823	25,076
FY 16-17	$ 1,035,420,237	24,969,071	89,215,003	31,426,067	3,277,922	856,641	564	112,468	41,356	19,593	147,253	97,319	94,591	23,502
FY 17-18	$ 1,097,495,330	25,932,384	89,585,704	31,764,000	2,851,602	819,626	0	105,746	36,478	18,915	149,135	102,327	95,114	23,036
MEAN	**$ 977,248,739**	**25,324,653**	**87,824,422**	**31,061,525**	**2,985,803**	**817,646**	**405**	**156,190**	**43,903**	**19,027**	**137,624**	**92,893**	**90,823**	**23,937**

**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
Large 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	29,696	17.5%	20,973	12.4%	22,453	13.2%	27,147	16.0%	65,367	38.6%	3,843	2.3%	169,479	100%
FY 15-16	29,458	17.4%	23,234	13.7%	19,606	11.6%	26,443	15.6%	66,887	39.5%	3,896	2.3%	169,524	100%
FY 16-17	20,235	18.6%	16,059	14.8%	12,414	11.4%	17,483	16.1%	39,227	36.1%	3,117	2.9%	108,535	100%
FY 17-18	23,745	14.7%	21,712	13.4%	15,535	9.6%	26,050	16.1%	67,643	41.8%	7,005	4.3%	161,690	100%

Time to Step Down Report: Adults Stepping Down in SMHS Services Post Inpatient Discharge*

Large 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	10,652	54.9%	2,544	13.1%	4,024	20.7%	2,199	11.3%	0	365	31.9	3
FY 15-16	12,707	62.3%	2,209	10.8%	3,062	15.0%	2,433	11.9%	0	365	25.1	0
FY 16-17	13,266	62.9%	2,240	10.6%	3,092	14.7%	2,488	11.8%	0	365	24.0	0
FY 17-18	13,413	62.1%	2,222	10.3%	2,328	10.8%	3,644	16.9%	0	365	20.1	1

**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.*