

Performance Outcomes Adult Specialty Mental Health Services Report

Report Date September, 2016

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.aspx>.

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) 11/12, 12/13, 13/14, and 14/15.

Definitions

***Population** - Beneficiaries with approved services adjudicated through the Short Doyle/Medi-Cal II claiming system that were:

- Age 22 or older 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 July 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 14/15.

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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/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 adults' movement through the SMHS system. The report uses five general categories to classify if an adult is entering, exiting, continuing services, or a combination of these categories (e.g., arriving and exiting). As of now, this report only classifies adults and their service usage for FY 12/13 through FY14/15. Eventually the snapshot data will be used along with measures of service effectiveness to identify whether adults 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 measured in the **time to step-down services** report relies solely on claims data from Short Doyle/Medi-Cal II. 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 on the county of the hospital from which the patient is discharged and receives step-down services.

Please contact cmhpos@dhcs.ca.gov for any questions regarding this report.

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

SFY	Unique Count Receiving SMHS*	Year-Over-Year Percentage Change	Unique Count of Medi-Cal Eligibles	Year-Over-Year Percentage Change
FY 11-12	785		35,213	
FY 12-13	1,143	45.6%	36,450	3.5%
FY 13-14	1,217	6.5%	55,969	53.6%
FY 14-15	2,956	142.9%	68,892	23.1%
Compound Annual Growth Rate SFY**		55.6%		25.1%

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

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

The Measures Catalog may be found at: http://www.dhcs.ca.gov/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog_Sept15Reporting_Final_1.11.15.pdf

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

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	^	^	61	7.8%	244	31.1%	60	7.6%	326	41.5%	^	^	64	8.2%
FY 12-13	15	1.3%	73	6.4%	314	27.5%	96	8.4%	508	44.4%	39	3.4%	98	8.6%
FY 13-14	13	1.1%	101	8.3%	331	27.2%	129	10.6%	489	40.2%	53	4.4%	101	8.3%
FY 14-15	36	1.2%	296	10.0%	775	26.2%	236	8.0%	1,180	39.9%	156	5.3%	277	9.4%

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

^ Data has been suppressed to protect patient privacy.

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

Fiscal Year	Adults 21-44 Count	Adults 21-44 %	Adults 45-64 Count	Adults 45-64 %	Adults 65+ Count	Adults 65+ %
FY 11-12	394	50.2%	355	45.2%	36	4.6%
FY 12-13	667	58.4%	427	37.4%	49	4.3%
FY 13-14	748	61.5%	425	34.9%	44	3.6%
FY 14-15	1,652	55.9%	1,196	40.5%	108	3.7%

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

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

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 11-12	398	50.7%	387	49.3%
FY 12-13	698	61.1%	445	38.9%
FY 13-14	732	60.1%	485	39.9%
FY 14-15	1,620	54.8%	1,336	45.2%

Penetration Rates* Report: Adults With At Least One SMHS Visit**
Solano County

	FY 11-12			FY 12-13			FY 13-14			FY 14-15		
	Adults with 1 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 1 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 1 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 1 or more SMHS Visits	Certified Eligible Adults	Penetration Rate
All	785	35,213	2.2%	1,143	36,450	3.1%	1,217	55,969	2.2%	2,956	68,892	4.3%
Adults 21-44	394	17,235	2.3%	667	17,971	3.7%	748	29,084	2.6%	1,652	37,190	4.4%
Adults 45-64	355	9,869	3.6%	427	10,195	4.2%	425	18,351	2.3%	1,196	22,615	5.3%
Adults 65+	36	8,109	0.4%	49	8,284	0.6%	44	8,534	0.5%	108	9,087	1.2%
Alaskan Native or American Indian	^	276	^	15	287	5.2%	13	435	3.0%	36	510	7.1%
Asian or Pacific Islander	61	6,592	0.9%	73	6,752	1.1%	101	10,986	0.9%	296	14,562	2.0%
Black	244	8,734	2.8%	314	9,152	3.4%	331	13,368	2.5%	775	15,526	5.0%
Hispanic	60	5,323	1.1%	96	5,509	1.7%	129	7,531	1.7%	236	8,898	2.7%
White	326	10,171	3.2%	508	10,369	4.9%	489	16,356	3.0%	1,180	19,777	6.0%
Other	^	1,836	^	39	1,940	2.0%	53	3,887	1.4%	156	5,689	2.7%
Unknown	64	2,281	2.8%	98	2,441	4.0%	101	3,406	3.0%	277	3,930	7.0%
Female	398	22,799	1.7%	698	23,557	3.0%	732	33,090	2.2%	1,620	39,380	4.1%
Male	387	12,414	3.1%	445	12,893	3.5%	485	22,879	2.1%	1,336	29,512	4.5%

*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. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.

**Adults 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 decreased because the number of Affordable Care Act SMHS eligible beneficiaries increased markedly beginning in SFY 2013-14 while claims increased more gradually.

Penetration Rates* Report: Adults With At Least One SMHS Visit
Solano County**

	FY 11-12			FY 12-13			FY 13-14			FY 14-15		
	Adults with 5 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 5 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 5 or more SMHS Visits	Certified Eligible Adults	Penetration Rate	Adults with 5 or more SMHS Visits	Certified Eligible Adults	Penetration Rate
All	408	35,213	1.2%	586	36,450	1.6%	644	55,969	1.2%	1,157	68,892	1.7%
Adults 21-44	186	17,235	1.1%	306	17,971	1.7%	396	29,084	1.4%	684	37,190	1.8%
Adults 45-64	201	9,869	2.0%	251	10,195	2.5%	223	18,351	1.2%	446	22,615	2.0%
Adults 65+	21	8,109	0.3%	29	8,284	0.4%	25	8,534	0.3%	27	9,087	0.3%
Alaskan Native or American Indian	^	276	^	^	287	^	^	435	^	14	510	2.7%
Asian or Pacific Islander	34	6,592	0.5%	34	6,752	0.5%	55	10,986	0.5%	110	14,562	0.8%
Black	122	8,734	1.4%	177	9,152	1.9%	175	13,368	1.3%	287	15,526	1.8%
Hispanic	24	5,323	0.5%	42	5,509	0.8%	58	7,531	0.8%	103	8,898	1.2%
White	171	10,171	1.7%	245	10,369	2.4%	252	16,356	1.5%	473	19,777	2.4%
Other	^	1,836	^	^	1,940	^	^	3,887	^	56	5,689	1.0%
Unknown	47	2,281	2.1%	58	2,441	2.4%	68	3,406	2.0%	114	3,930	2.9%
Female	180	22,799	0.8%	336	23,557	1.4%	379	33,090	1.1%	631	39,380	1.6%
Male	228	12,414	1.8%	250	12,893	1.9%	265	22,879	1.2%	526	29,512	1.8%

*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.

**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.

Penetration rates decreased because the number of Affordable Care Act SMHS eligible beneficiaries increased markedly beginning in SFY 2013-14 while claims increased more gradually.

**Utilization Report*: Approved Specialty Mental Health Services for Adults
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year*
Solano County**

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 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	3,949	549	769	1,026	386	0	0	0	0	0	26	29	0	0
FY 12-13	4,638	715	925	627	290	17	0	0	0	0	9	24	0	0
FY 13-14	4,973	683	827	661	267	16	0	0	0	0	13	22	0	9
FY 14-15	3,627	540	468	148	260	20	0	0	0	0	7	22	0	12
MEAN	\$ 4,296.87	622	747	615	301	18	0	0	0	0	13	24	0	10

*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 adults that received the SMHS represented in their respective graph by Fiscal Year.

**Snapshot Report: Unique Count of Adults Receiving SMHS
Arriving, Exiting, and with Service Continuance by Fiscal Year
Solano County**

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 & Exiting	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 12-13	183	15.9%	51	4.4%	47	4.1%	107	9.3%	729	63.5%	31	2.7%	1,148	100%
FY 13-14	248	20.4%	48	3.9%	63	5.2%	155	12.7%	680	55.9%	23	1.9%	1,217	100%
FY 14 - 15	595	20.2%	84	2.8%	83	2.8%	203	6.9%	1,973	66.9%	13	0.4%	2,951	100%

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

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 11-12	^	^	^	^	0	0.0%	0	0.0%	0	11	5.5	5
FY 12-13	^	^	0	0.0%	^	^	^	^	0	93	32.7	5
FY 13-14	^	^	0	0.0%	0	0.0%	^	^	0	5	1.0	0
FY 14-15	11	84.6%	^	^	^	^	0	0.0%	0	86	9.5	2

* **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.

^ Data has been suppressed to protect patient privacy.