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.

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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

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

*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 for any questions regarding this report.

Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
Marin 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
FY 10-11	573		10,897	
FY 11-12	594	3.7%	11,143	2.3%
FY 12-13	597	0.5%	13,128	17.8%
FY 13-14**	641	7.4%	16,686	27.1%
Compound Annual Growth Rate SFY**		**3.8%**		**15.3%**

**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
Marin 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	^	^	11	1.9%	71	12.4%	257	44.9%	208	36.3%	^	^	21	3.7%
FY 11-12	0	0.0%	18	3.0%	82	13.8%	264	44.4%	202	34.0%	^	^	^	^
FY 12-13	^	^	22	3.7%	80	13.4%	315	52.8%	161	27.0%	^	^	17	2.8%
FY 13-14	^	^	32	5.0%	69	10.8%	322	50.2%	187	29.2%	^	^	22	3.4%

**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 Children and Youth Receiving SMHS by Fiscal Year
Marin 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	79	13.8%	201	35.1%	229	40.0%	64	11.2%
FY 11-12	83	14.0%	193	32.5%	250	42.1%	68	11.4%
FY 12-13	81	13.6%	215	36.0%	242	40.5%	59	9.9%
FY 13-14	68	10.6%	229	35.7%	267	41.7%	77	12.0%

**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
Marin County as of July 29, 2015

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 10-11	225	39.3%	348	60.7%
FY 11-12	218	36.7%	376	63.3%
FY 12-13	246	41.2%	351	58.8%
FY 13-14	272	42.4%	369	57.6%

Penetration Rates* Report: Children and Youth With At Least One SMHS Visit**
Marin 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
All	**573**	**10,897**	**5.3%**	**594**	**11,143**	**5.3%**	**597**	**13,128**	**4.5%**	**641**	**16,686**	**3.8%**
Children 0-5	79	4,839	1.6%	83	4,775	1.7%	81	4,968	1.6%	68	5,410	1.3%
Children 6-11	201	2,867	7.0%	193	3,031	6.4%	215	3,988	5.4%	229	5,224	4.4%
Children 12-17	229	2,070	11.1%	250	2,177	11.5%	242	2,909	8.3%	267	4,166	6.4%
Youth 18-20	64	1,121	5.7%	68	1,160	5.9%	59	1,263	4.7%	77	1,886	4.1%
Alaskan Native or American Indian	^	33	^	0	30	0.0%	^	24	^	^	25	^
Asian or Pacific Islander	11	524	2.1%	18	519	3.5%	22	637	3.5%	32	902	3.5%
Black	71	939	7.6%	82	911	9.0%	80	933	8.6%	69	880	7.8%
Hispanic	257	6,319	4.1%	264	6,662	4.0%	315	7,950	4.0%	322	9,431	3.4%
White	208	2,417	8.6%	202	2,403	8.4%	161	2,632	6.1%	187	3,843	4.9%
Other	^	158	^	^	127	^	^	140	^	^	197	^
Unknown	21	507	4.1%	^	491	^	17	812	2.1%	22	1,408	1.6%
Female	225	5,327	4.2%	218	5,438	4.0%	246	6,454	3.8%	272	8,212	3.3%
Male	348	5,570	6.2%	376	5,705	6.6%	351	6,674	5.3%	369	8,474	4.4%

**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.*

^ Data has been suppressed to protect patient privacy.

Penetration Rates* Report: Children and Youth With At Least One SMHS Visit**
Marin 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
All	**400**	**10,897**	**3.7%**	**390**	**11,143**	**3.5%**	**457**	**13,128**	**3.5%**	**480**	**16,686**	**2.9%**
Children 0-5	44	4,839	0.9%	44	4,775	0.9%	57	4,968	1.1%	52	5,410	1.0%
Children 6-11	140	2,867	4.9%	120	3,031	4.0%	178	3,988	4.5%	188	5,224	3.6%
Children 12-17	176	2,070	8.5%	180	2,177	8.3%	182	2,909	6.3%	191	4,166	4.6%
Youth 18-20	40	1,121	3.6%	46	1,160	4.0%	40	1,263	3.2%	49	1,886	2.6%
Alaskan Native or American Indian	^	33	^	0	30	0.0%	0	24	0.0%	^	25	^
Asian or Pacific Islander	^	524	^	^	519	^	15	637	2.4%	28	902	3.1%
Black	50	939	5.3%	53	911	5.8%	60	933	6.4%	51	880	5.8%
Hispanic	176	6,319	2.8%	170	6,662	2.6%	240	7,950	3.0%	251	9,431	2.7%
White	146	2,417	6.0%	135	2,403	5.6%	126	2,632	4.8%	130	3,843	3.4%
Other	^	158	^	^	127	^	^	140	^	^	197	^
Unknown	16	507	3.2%	21	491	4.3%	^	812	^	15	1,408	1.1%
Female	153	5,327	2.9%	140	5,438	2.6%	173	6,454	2.7%	193	8,212	2.4%
Male	247	5,570	4.4%	250	5,705	4.4%	284	6,674	4.3%	287	8,474	3.4%

**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**
Marin 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	$ 4,196.66	0	0	633	1253	3310	353	30	10	144	403	N/A	N/A	0	0	0
FY 11-12	$ 4,486.77	0	0	696	1346	5166	376	0	12	1242	548	N/A	N/A	0	0	0
FY 12-13	$ 5,142.02	0	0	637	1148	4728	469	0	10	708	285	N/A	N/A	0	0	0
FY 13-14	$ 7,280.15	4033	2337	988	1193	3777	468	0	10	507	0	N/A	N/A	0	0	0
MEAN	**$ 5,276.40**	**4033**	**2337**	**738**	**1235**	**4245**	**416**	**30**	**10**	**650**	**412**	**N/A**	**N/A**	**0**	**0**	**0**

**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.
^ Data has been suppressed to protect patient privacy.

Snapshot Report: Unique Count of Children and Youth Receiving SMHS
Arriving, Exiting, and with Service Continuance by Fiscal Year
Marin 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 **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	199	33.3%	14	2.3%	28	4.7%	96	16.1%	239	40.0%	21	3.5%	597	100%
FY 13-14	133	20.7%	22	3.4%	48	7.5%	159	24.8%	261	40.7%	18	2.8%	641	100%

Time to Step Down Report: Children and Youth Stepping Down in SMHS Services Post Inpatient Discharge
Marin 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	14	73.7%	17	89.5%	^	^	^	^	0	203	14.2	0
FY 11-12	20	71.4%	21	75.0%	^	^	^	^	0	874	53.8	0
FY 12-13	13	68.4%	15	78.9%	^	^	^	^	0	167	12.9	0
FY 13-14	15	60.0%	18	72.0%	^	^	^	^	0	252	33.6	0

** 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 we*

^ Data has been suppressed to protect patient privacy.