



IMPERIAL COUNTY BEHAVIORAL HEALTH PENETRATION RATES

Fiscal Year 2019-2020

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PENETRATION RATES

The penetration rate is a measure of the number of persons receiving mental health and substance use disorder services out of the Medi-Cal eligible population and shows whether the number of beneficiaries served is keeping pace with population growth or decline. For this report the penetration rate is calculated by dividing the number of unduplicated Medi-Cal beneficiaries served by the Medi-Cal eligible population.

RATE OF CHANGE

Rate of Change shows how much a population is growing or declining in the particular year. The rate of change is calculated by the difference of the prior fiscal years penetration rate with the current penetration rate and dividing by the prior fiscal years penetration rate.

$$\text{Example: } 9.31\% - 8.15\% = 1.16\% / 9.31\% = -12.41\%$$

This fiscal year (2019-2020), in viewing the department, this report is divided into two sections:

- 1). Mental Health Penetrations Rates
- 2). Substance Use Disorder Penetration Rates

Each section includes five demographic sections and analyzes the penetration for each categories by (1) Ethnicity/Race, (2) Gender, (3) Age Group, (4) Language, and (5) City of Residence. Penetration rates are determined by evaluating the number of Medi-Cal eligible beneficiaries in Imperial County, which is provided by the California Department of Health Services (DHCS).

MENTAL HEALTH SERVICES

The penetration rate for FY 2019-2020 is 8.85%, which is an increase compared to the FY 2018-2019 penetration rate at 8.15%. The penetration rate and the rate of change for mental health services for the last three (3) fiscal years are illustrated in Table 1.

Table 1: Mental Health Services: Penetration Rates

Fiscal Year	Medi-Cal Eligible	ICBHS Served	Penetration Rate	Rate of Change*
FY 17-18	78,823	7,337	9.31%	9.53%
FY 18-19	78,021	6,361	8.15%	-12.41%
FY 19-20	79,792	7,064	8.85%	8.59%

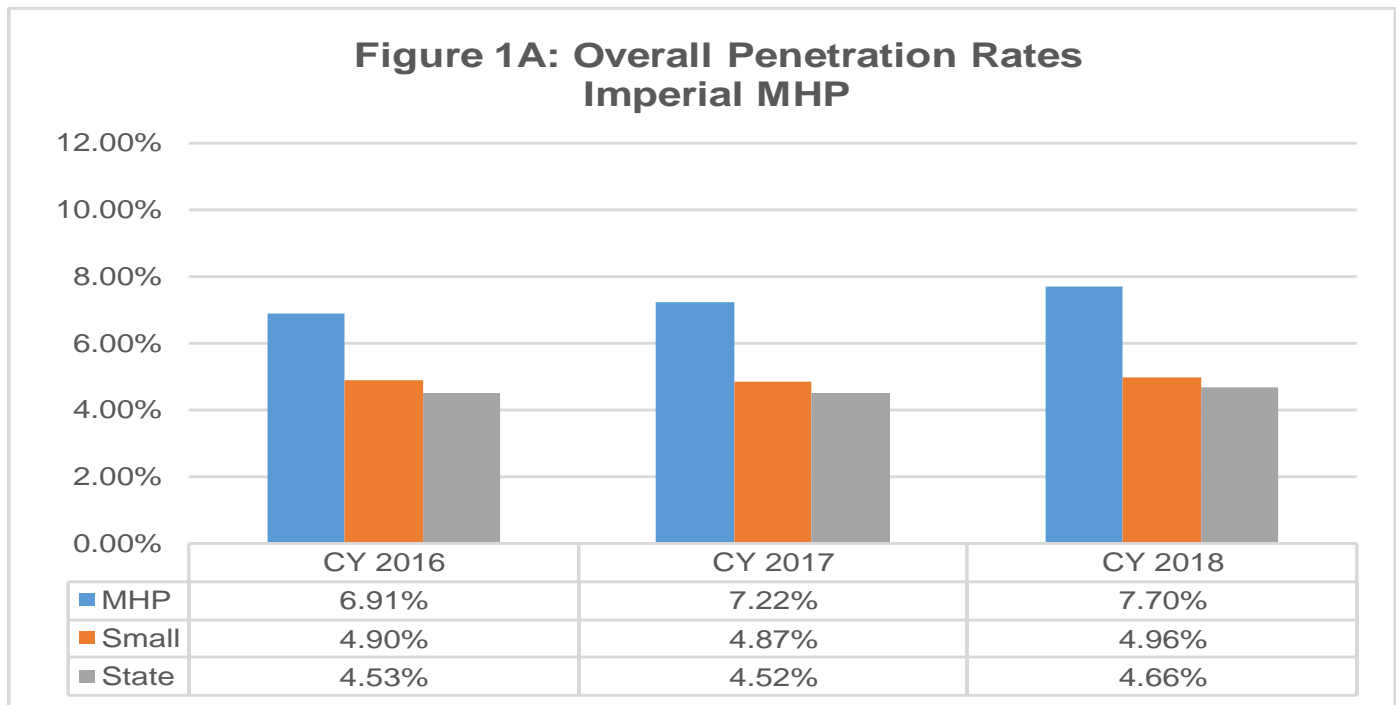
*Rate of Change shows how much a population is growing or declining in the particular year.

An overall comparison for Penetration Rates by Medi-Cal Eligible

Throughout the report, some of the sections will contain additional information comparing the statewide, small county, and Imperial County penetration rates from CY 2016 to CY 2018. This data has been derived from the data presented in the Medi-Cal Specialty Mental Health External Quality Review Final Report for FY 2019-2020. This data is based on the number of Medi-Cal claims.

As seen in Figure 1A, the statewide and small county penetration rates had decreases from CY 2016 to CY 2017 with a subsequent increase in CY 2018 while the Imperial County rate steadily increased during the same period, ranging from 6.91% in CY 2016 to 7.70% in CY 2018. The MHP rate is consistently higher than the statewide and other small county penetration rates. This data is consistent with the MHP's penetration rates in FY 17-18 and FY 19-20 when the rates increased; the FY 18-19 penetration rate decreased

Figure 1A.



Penetration Data Demographics

The following section includes penetration data by demographic characteristics for FY 2018-2019 and FY 2019-2020 for mental health services.

The penetration rate is calculated by dividing the actual number of Medi-Cal beneficiaries served by the total number of Medi-Cal eligibles in the county in FY 2019-2020. The demographic characteristics of the clients served are included in the following tables:

ETHNICITY

The penetration rates for FY 2019-2020 show that the highest penetration rate continued to be the African American ethnic group with 28.13%, a 3.47% increase from the previous year. The lowest penetration rate was for the Alaskan Native/American Indian Islander group at 7.45%. Table 2 illustrates the distribution for FY 2018-19 and FY 2019-2020 by ethnicity.

Table 2: Ethnicity

Ethnicity	FY 18-19			FY 19-20		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	#of Medi-Cal Eligible	Medi-Cal Served		
Alaskan Nat./Am. Indian	602	28	4.65%	591	44	7.45%	60.07%
Asian/Pacific Islander	54	7	12.96%	58	10	17.24%	33.00%
African American	693	171	24.68%	672	189	28.13%	13.98%
Hispanic/Latino	68,512	5,408	7.89%	70,918	5,966	8.41%	6.58%
White	3,666	621	16.94%	3,423	728	21.27%	25.55%
Other/Not reported	4,494	126	2.80%	4,130	127	3.08%	9.68%
Total	78,021	6,361	8.15%	79,792	7,064	8.85%	8.59%

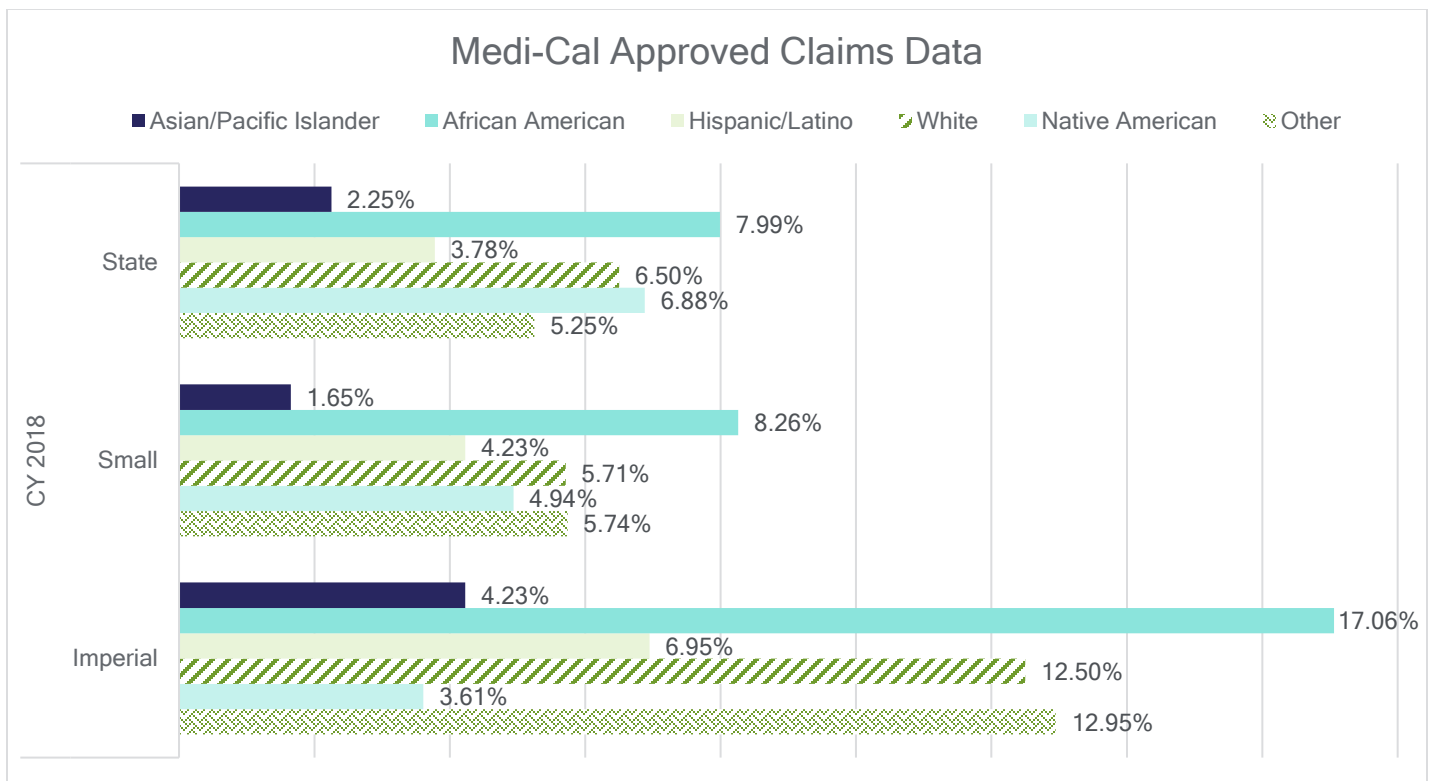
A comparison between FY 2018-2019 and FY 2019-2020 shows an increase in all ethnic groups. The increases range from .28% in the Other/Not reported ethnic group to 4.34% in the Asian/Pacific Islander group. The second and third highest increases were 4.33% in the White group and 3.45% in the African American group.

When reviewing the rates of change between fiscal years, all ethnic groups showed an increase from the previous year.

Additional Information:

The External Quality Review Organization (EQRO) Medi-Cal approved claims data indicates that Imperial County has the largest penetration rates for African American at 17.06%, while small counties was at 8.26% and statewide was at 7.99%. A comparison of penetration rates between Imperial, small counties and statewide indicates Imperial had the highest penetration rates for CY 2018, except in the Native American group.

A comparison of penetration rates shows the MHP's highest penetration rate for FY 19-20 was African American at 28.13%, which is consistent with DHCS Approved Claims for CY 2018.



GENDER

The penetration rates by gender for FY 2019-2020 shows an increase for females at 7.77% and for males at 10.25%. Table 3 illustrates the distribution for FY 2018-2019 and FY 2019-2020 by gender.

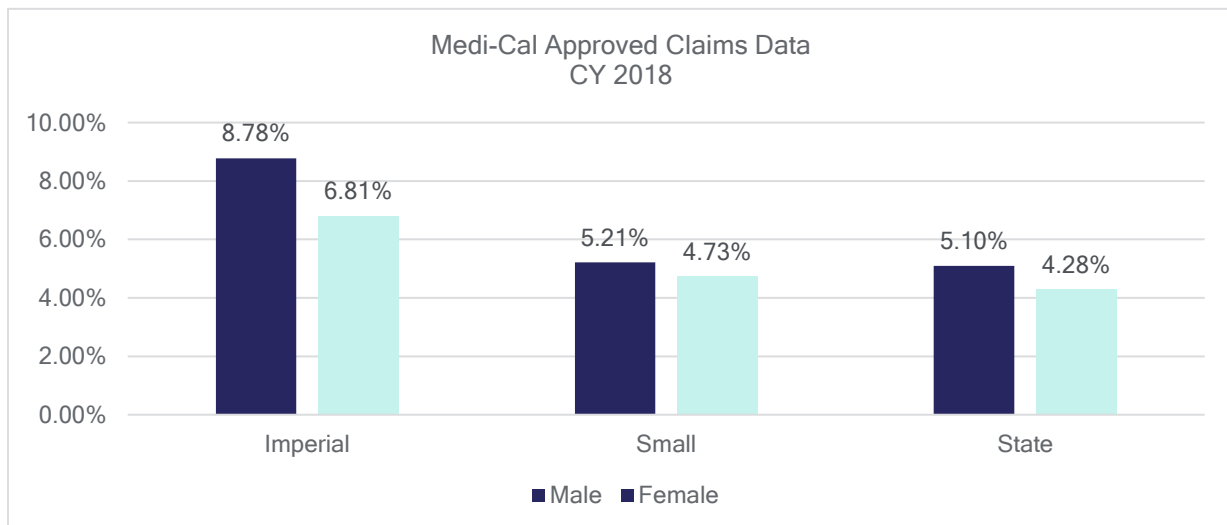
Table 3: Gender

Gender	FY 18-19			FY 19-20		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	#of Medi-Cal Eligible	Medi-Cal Served		
Female	43,702	3,088	7.07%	44,810	3,480	7.77%	9.91%
Male	34,319	3,273	9.54%	34,982	3,584	10.25%	7.43%
Total	78,021	6,361	8.15%	79,792	7,064	8.85%	8.59%

A comparison between FY 2018-2019 and FY 2019-2020 shows an increase in the female group of .70% and males at .71%. The overall rate of change was higher at 8.85% in FY 2019-2020.

Additional Information:

The External Quality Review Organization (EQRO) Medi-Cal approved claims data indicates that Imperial County had penetration rates for both gender groups, with the male group at 8.78% and the female group at 6.81%. The rate for small counties was the male group at 5.21% and for the female group at 4.73% , with statewide rates for male the group at 5.10% and the female group at 4.28%. This data is consistent with the MHP's penetration rate for FY 19-20, when the male gender group had the highest penetration rate at 10.25%.



LANGUAGE

The penetration rate by language shows the penetration rate was higher for English at 14.83% than for Spanish at 5.09%. Table 4 illustrates the distribution for FY 2017-2018 and FY 2018-2019 by language.

Table 4: Language

Language	FY 18-19			FY 19-20		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	Medi-Cal Served		
English	29,721	4,016	13.51%	30,922	4,585	14.83%	9.73%
Spanish	47,710	2,332	4.89%	48,372	2,463	5.09%	4.17%
Other/Unknown	590	13	2.20%	498	16	3.21%	45.81%
Total	78,021	6,361	8.15%	79,792	7,064	8.85%	8.59%

A comparison between FY 2018-2019 and FY 2019-2020 shows an increase for both languages. English-speaking group increased by 1.32% and the Spanish-speaking group by at .20%, which is a significant difference when comparing the number of Medi-Cal Eligible in each language group, as well as the spread between the two penetration rates.

AGE GROUP

The penetration rates by age for FY 2019-2020 shows that the highest penetration rate is the 14-20 age group at 15.89%. The lowest penetration rate continues to be 65+ age group at 0.68%, although this is an increase of .53% from the previous year. Table 5 illustrates the distribution for FY 2018-2019 and FY 2019-2020 by age group.

Table 5: Age Group

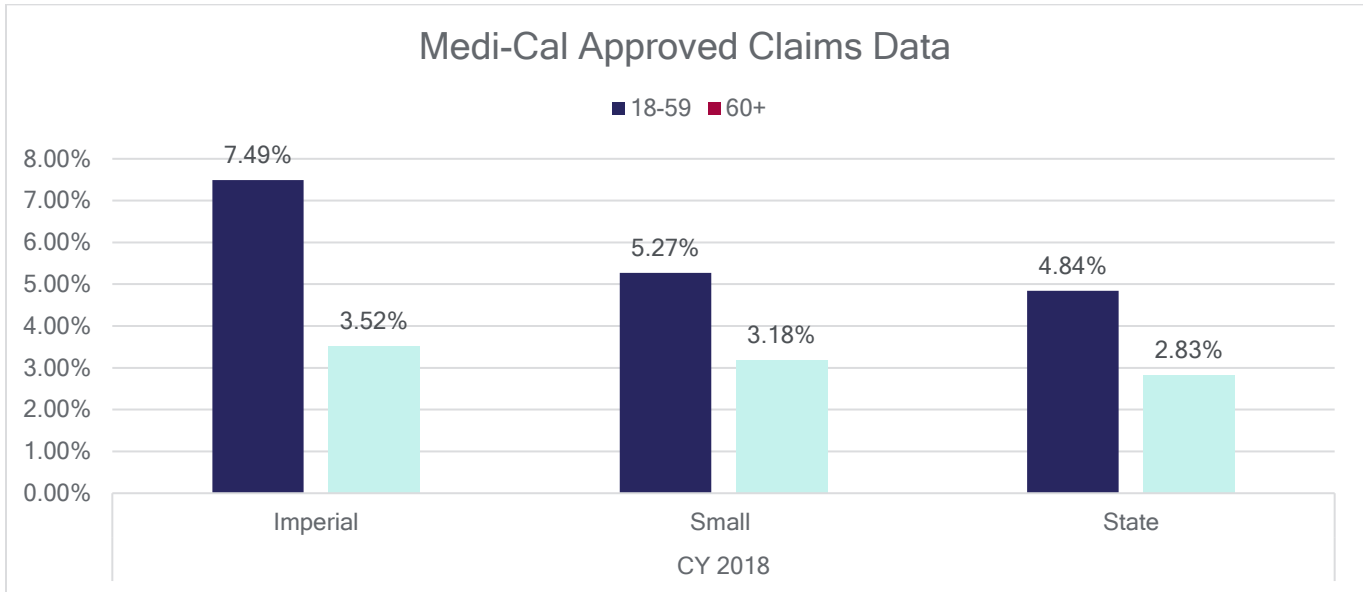
Age Group	FY 18-19			FY 19-20		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	#of Medi-Cal Eligible	Medi-Cal Served		
0-05	9,188	264	2.87%	9,094	234	2.57%	-10.45%
6-13	12,829	1,953	15.22%	13,063	1,900	14.54%	-4.56%
14-20	9,783	1,454	14.86%	10,228	1,625	15.89%	6.90%
21-25	5,074	406	8.00%	5,153	455	8.83%	10.35%
26-64	30,803	2,268	7.36%	30,854	2,773	8.99%	22.06%
65+	10,344	16	0.15%	11,400	77	0.68%	336.67%
Total	78,021	6,361	8.15%	79,792	7,064	8.85%	5.59%

A comparison for FY 2018-2019 and FY 2019-2020 shows a decrease in the penetration rates for the 0-5 and the 6-13 age groups, and increases ranging from .53% in the 65+ group to 1.63% in the 26-64 group. Decreases occurred in the age group for 0-05 and the 6-13 groups where the percentage difference was .30% and .68% respectively.

When reviewing the rates of change between fiscal years, the 0-05 age group decreased dramatically going from 53.62% in FY 18-19 to -10.45% in FY 19-20. The 6-13 group also decreased going from 6.30% to -4.56% for the same period.

Additional Information:

The External Quality Review Organization (EQRO) Medi-Cal approved claims data indicates that Imperial County had the highest penetration rates for both age groups in CY 2018. The small counties age 18-59 group was at 5.47% and statewide was at 4.84%. The small counties age 60+ group was 3.18% and statewide it was 2.83



CITY OF RESIDENCE

The penetration rates for FY 2019-2020 shows that the highest penetration rates were in Westmorland with 69.86% and Seeley with 64.02%; this was a difference of 10.19% for Westmorland and 20.67% for Seeley. The lowest penetration rate was the city of Calexico at 6.19%. Table 6 illustrates the distribution for FY 2018-2019 and FY 2019-2020 by city of residence.

Table 6: City of Residence

City of Residence	FY 18-19			FY 19-20		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	# Medi-Cal Served		
Brawley	13,513	1,285	9.51%	13,793	1,368	9.92%	4.30%
Calexico	23,924	1,379	5.76%	24,403	1,511	6.19%	7.42%
Calipatria	1,046	179	17.11%	1,091	207	18.97%	10.87%
El Centro	23,290	2,143	9.20%	23,822	2,365	9.93%	7.89%
Heber	2,719	249	9.16%	2,683	272	10.14%	10.70%
Holtville	3,419	207	6.05%	3,433	234	6.82%	12.58%
Imperial	5,382	446	8.29%	5,796	492	8.49%	2.43%
Niland	516	77	14.92%	541	86	15.90%	6.53%
Seeley	203	88	43.35%	164	105	64.02%	47.69%
Westmorland	186	111	59.68%	209	146	69.86%	17.06%
Winterhaven	1,114	57	5.12%	1,130	73	6.46%	26.26%
Other/Not reported	2,709	140	5.17%	2,727	205	6.98%	34.98%
Total	78,021	6,361	8.15%	79,792	7,064	8.85%	8.59%

A comparison of rates of change shows increases for all cities that had negative rates of change in FY 2018-2019 and have shown increases in FY 2019-2020. Niland showed the largest difference going from -65.35% the previous year to 6.53% in FY 2019-2020. Brawley had the lowest increase in the rate of change going from -7.92% in 2018-2019 to 4.30% in 2019-2020.

The rates of change for FY 2019-2020 were influenced by increases in both the number of Medi-Cal eligible and in the number of beneficiaries served. The increase in the number of Medi-Cal eligible was 1,771 and the increase in the number of beneficiaries served was 703.

SUBSTANCE USE DISORDER TREATMENT SERVICES

The penetration rate for FY 2019-2020 is 0.85%, which is an increase when compared to the FY 2018-2019 penetration rate at 0.73%. The penetration rate and the rate of change for substance use disorder treatment services for the last two (2) fiscal years are illustrated in Table 7.

Table 7: Substance Use Disorder Treatment Services

<i>Fiscal Year</i>	Imperial			Rate of Change*
	<i>Medi-Cal Eligible</i>	<i>Medi-Cal Served</i>	<i>Penetration Rate</i>	
<i>FY 19-20</i>	79,792	681	0.85%	17.23%
<i>FY 18-19</i>	78,021	568	0.73%	-

*Rate of Change shows how much a population is growing or declining in the particular year.

Race/Ethnicity

The penetration rates by race/ethnicity in table 8 determine how the listed groups access treatment through the DMC-ODS for FY 2019-2020. The data shows that the penetration rate of beneficiaries who are African American ethnic group accessing treatment in Imperial County was the highest than other subgroups at 3.72%. The penetration rate of beneficiaries who are Alaskan Native/American Indian and Asian/Pacific Islander ethnic groups accessing treatment in Imperial County were the ethnicities with the lowest penetrations rate at 0.00%. Table 8 illustrates the distribution for FY 2018-2019 and FY 2019-2020 by ethnicity.

Table 8: Ethnicity

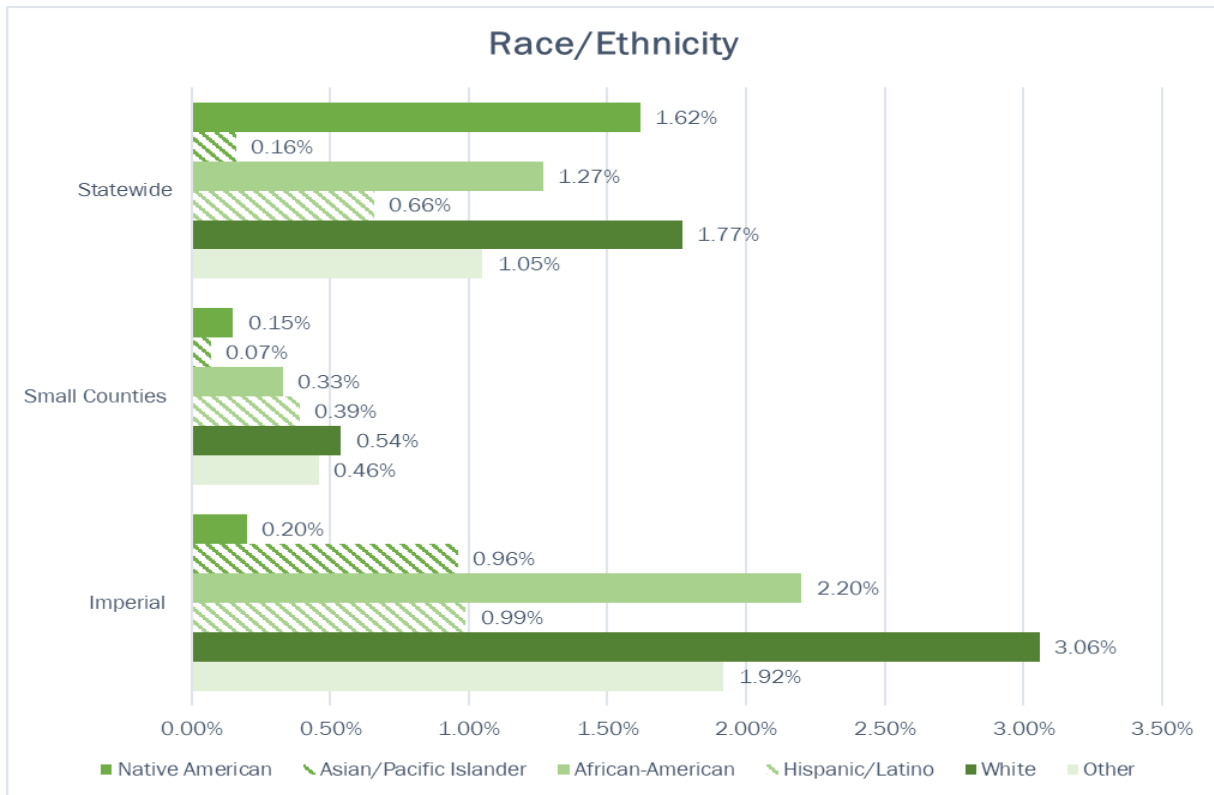
Ethnicity	2018-2019			2019-2020			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Alaskan Native/Am. Indian	602	0	0.00%	591	0	0.00%	0.00%
Asian/Pacific Islander	54	0	0.00%	58	0	0.00%	0.00%
African American	693	20	2.89%	672	25	3.72%	28.91%
Hispanic/Latino	68,512	442	0.65%	70,918	561	0.79%	22.62%
White	3,666	83	2.26%	3,423	79	2.31%	1.94%
Other/Not reported	4,494	23	0.51%	4,130	16	0.39%	-24.30%
Ethnicity Total	78,021	568	0.73%	79,792	681	0.85%	17.23%

Additional Information:

A comparison of the penetration rates for Imperial County Medi-Cal eligible and most recent DHCS Approved Claims and MED Monthly Extract File (MMEF) data, African American ethnic group indicates Imperial County has a high penetration rate for both data compared to small counties and statewide. While Native American ethnic group showed having a low penetration rate for Imperial County and Small Counties.

Average Approved Claims:

The External Quality Review Organization (EQRO) Medi-Cal approved claims data indicates that Imperial County has the largest penetration rates for White at 3.06%, respectively, while the small counties and statewide penetration rates are ranging from 0.54% to 1.77%, respectively.



Gender

The penetration rates by gender in table 9 determine how females and males access treatment through the substance use disorder treatment services for FY 2019-2020. The data shows that the penetration rates of beneficiaries who are Females accessing treatment in Imperial County was the highest at 1.23% than Males at 0.37%. Table 9 illustrates the distribution for FY 2018-2019 and FY 2019-2020 by gender.

Table 9: Gender

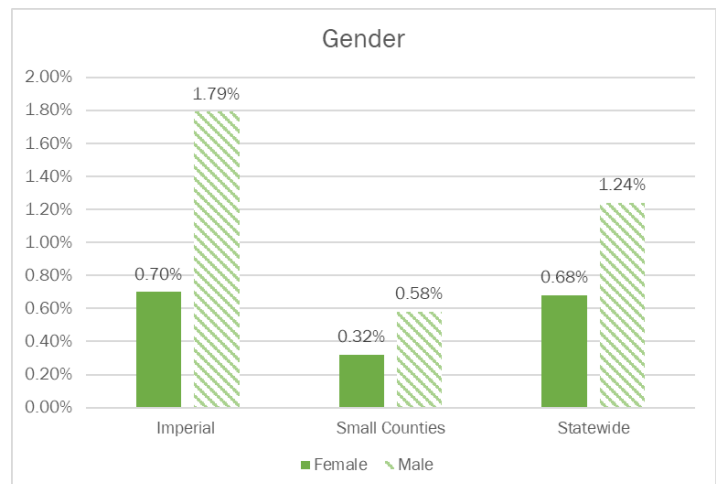
Gender	2018-2019			2019-2020			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Female	43,702	242	0.55%	44,810	551	1.23%	122.06%
Male	34,319	326	0.95%	34,982	130	0.37%	-60.88%
Gender Total	78,021	568	0.73%	79,792	681	0.85%	17.23%

Additional Information:

This data is consistent with the most recent DHCS Approved Claims and MMEF data as reported by the EQRO, which indicates that the small counties penetration rates for females and males is 0.32% and 0.58% respectively, while the statewide penetration rates are 0.68% and 1.24%, respectively.

Average Approved Claims:

When reviewing the penetration rates with most recent DHCS Approved Claims and MED Monthly Extract File (MMEF) data as reported by the External Quality Review Organization (EQRO) for calendar year 2018-2019, which indicates that Imperial County has the largest penetration rates for female and males, ranging from 0.70% to 1.79%, respectively, while the small counties and statewide penetration rates are 0.31% and 1.24%, respectively.



Language

The penetration rate by language in table 10 determine how the language groups access treatment through the substance use disorder treatment services for FY 2019-2020. The data shows that the penetration rate of beneficiaries who are English Speaking accessing treatment in Imperial County was the highest at 1.78% than for Spanish at 0.27%. Table 10 illustrates the distribution for FY 2018-2019 and FY 2019-2020 by primary language.

Table 10: Primary Language

Primary Language	2018-2019			2019-2020			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
English	29,721	457	1.54%	30,922	551	1.78%	15.89%
Spanish	47,710	110	0.23%	48,372	130	0.27%	16.56%
Other/Unknown	590	1	0.17%	498	0	0.00%	-100.00%
Language Total	78,021	568	0.73%	79,792	681	0.85%	17.23%

Age Group

The penetration rates by age group in table 11 determine how the listed age group access treatment through the substance use disorder treatment services for FY 2019-2020. The data shows that the penetration rate of beneficiaries who are between 26-64 age group accessing treatments in Imperial County was the highest than other age groups at 1.46%. The penetration rate of beneficiaries who are between 65+ age group accessing treatments in Imperial County was the lowest than other age groups at 0.01%. Table 11 illustrates the distribution for FY 2018-2019 and FY 2019-2020 by age group.

Table 11: Age Group

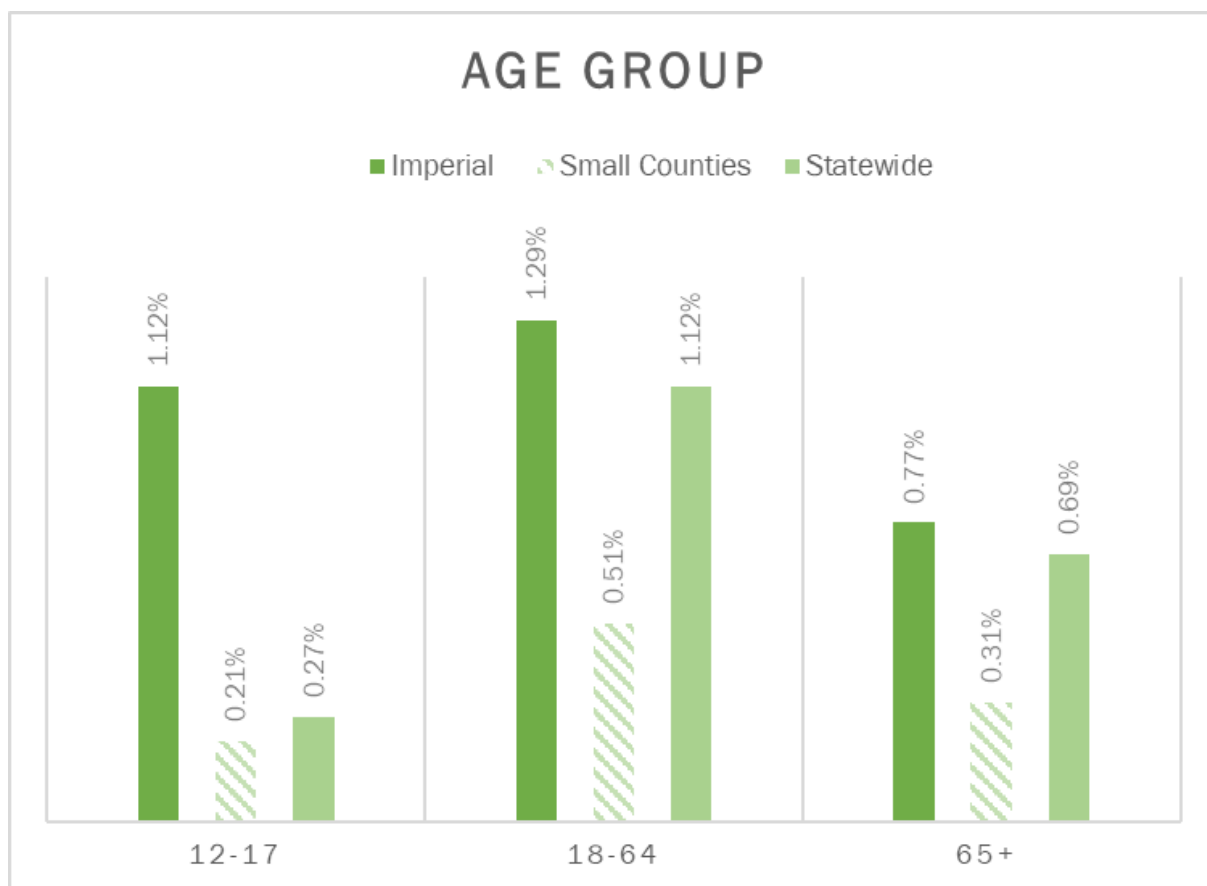
Age Group	2018-2019			2019-2020			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
12-20	31,800	179	0.56%	32,385	178	0.55%	-2.35%
21-25	5,074	46	0.91%	5,153	52	1.01%	11.31%
26-64	30,803	340	1.10%	30,854	450	1.46%	32.13%
65+	10,344	3	0.03%	11,400	1	0.01%	-69.75%
Age Group Total	78,021	568	0.73%	79,792	681	0.85%	17.23%

Additional Information:

A comparison of the penetration rates for Imperial County Medi-Cal eligible and most recent DHCS Approved Claims and MED Monthly Extract File (MMEF) data indicates that the age group of under 20 are under the penetration rate of one percent. While the DHCS Approved Claims and MED Monthly Extract File (MMEF) data for 65+ age group beneficiaries served is higher for this group at 0.77% when comparing to the Imperial County Medi-Cal eligible.

Average Approved Claims:

When reviewing the penetration rates with the most recent DHCS Approved Claims and Monthly Extract File (MMEF) data as reported by the External Quality Review Organization (EQRO) for calendar year 2018-2019, it indicates that the Imperial County's has the highest penetration rates for all age groups, when comparing small counties and statewide.



City of Residence

The penetration rates for the city of residence determine how the beneficiaries by city access treatment through the substance use disorder treatment services for FY 2019-2020. The data shows that the penetration rate of beneficiaries who lived in Westmorland accessing treatment in Imperial County was the highest than other cities at 7.18%. The penetration rate of beneficiaries who lived in Winterhaven accessing treatment in Imperial County was the lowest than other cities at 0.53%. Table 12 illustrates the distribution for FY 2018-2019 and FY 2019-2020 by city of residence.

Table 12: City of Residence

City of Residency	2018-2019			2019-2020			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Brawley	13,513	134	0.99%	13,793	148	1.07%	8.21%
Calexico	23,924	112	0.47%	24,403	144	0.59%	26.05%
Calipatria	1,046	18	1.72%	1,091	23	2.11%	22.51%
El Centro	23,290	183	0.79%	23,822	224	0.94%	19.67%
Heber	2,719	16	0.59%	2,683	18	0.67%	14.01%
Holtville	3,419	18	0.53%	3,433	21	0.61%	16.19%
Imperial	5,382	40	0.74%	5,796	49	0.85%	13.75%
Niland	516	7	1.36%	541	0	0.00%	-100.00%
Seeley	203	7	3.45%	164	8	4.88%	41.46%
Westmorland	186	22	11.83%	209	15	7.18%	-39.32%
Winterhaven	1,114	3	0.27%	1,130	6	0.53%	97.17%
Other/ Not Reported	2,709	8	0.30%	2,727	25	0.92%	210.44%
City of Residency Total	78,021	568	0.73%	79,792	681	0.85%	17.23%

Diagnostic Criteria

The population rates for substance use disorder treatment services FY 2019-2020 show that the highest diagnosis rate was Cannabis Use Disorder at 24.82%. The lowest diagnosis rate was for Cocaine at 0.44%. Table 13 illustrates the distribution for FY 18-19 and FY 2019-2020 by diagnosis.

Table 13: Diagnosis

Diagnosis	2018-2019		2019-2020	
	# MC Served	% of Population	# MC Served	% of Population
Alcohol Use Disorder	80	14.08%	79	11.60%
Cannabis Use Disorder	192	33.80%	169	24.82%
Cocaine	2	0.35%	3	0.44%
Inhalant Use Disorder	1	0.18%	0	0.00%
Opioid Use Disorder	55	9.68%	119	17.47%
Stimulant Use Disorder Amphetamine	186	32.75%	271	39.79%
Other Substance Use Disorder	52	9.15%	40	5.87%
TOTAL	568	100%	681	100%

Conclusion to the Data Analysis

The information presented in this report is to assess the degree to which Imperial County Behavioral Health Services are reaching and serving beneficiaries with mental health and substance use disorder treatment services. The aforementioned data concludes that it is clear there are gaps in utilization of services. Such gaps are considered as underserved population groups. After comparing the Imperial County Medi-Cal data with the most recent DHCS Approved Claims and Monthly Extract File data, it has been identified that the following population categories are considered as *underserved*; therefore, there is a need to target these populations through outreach activities. The underserved categories are as follows:

Target Population	MHP Population	SUD Population
Ethnicity	Alaskan Native/American Indian	Alaskan Native/American Indian and Asian/Pacific Islander
Language	Spanish	Spanish
Gender	Female	Male
Age Group	Age groups: 65+ and 0-5 years	Age groups: 65+ and 12-20
City of Residence	Calexico, Winterhaven, and Niland	Niland and Calexico

It should be noted that the current Novel Coronavirus (COVID-19) virus impacted individuals to come for a mental health and/or substance use disorder treatment services decreasing the overall utilization of services.

**Underserved* is define as Individuals who have been diagnosed with serious mental illness and children who have been diagnosed with serious emotional disorders, and their families, who are getting some service, but whose services do not provide the necessary opportunities to participate and move forward and pursue their wellness/recovery goals. This category would also include individuals who are so poorly served that they are at risk of situational characteristics such as homelessness, institutionalization, incarceration, out-of-home placement or other serious consequences. (Source: 9 CCR § 3200.300)