



IMPERIAL COUNTY
Behavioral Health Services
MENTAL HEALTH & SUBSTANCE USE RECOVERY

IMPERIAL COUNTY BEHAVIORAL HEALTH PENETRATION RATES Fiscal Year 2021-2022

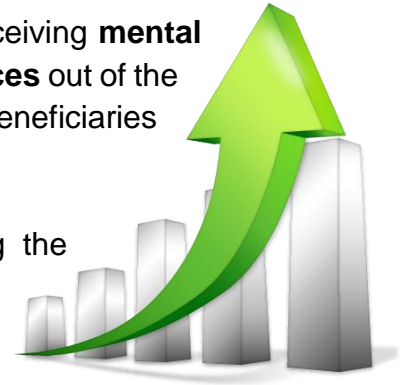
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Quality Management
December 2022

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PENETRATION RATES

The penetration rate is a measure of the number of persons receiving **mental health services** and **substance use disorder treatment 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.

How to calculate the rate of change.
Example: $9.31\% - 8.15\% = 1.16\% / 9.31\% = -12.41\%$

This fiscal year (2021-2022), in viewing the department, this report is divided into two sections:

Section 1: Mental Health Services Penetrations Rates

Section 2: Substance Use Disorder Treatment Services 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) Primary 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).



The penetration rate for **FY 2021-2022** is **7.48%**, which is an increase compared to the FY 2020-2021 penetration rate at 7.29%. 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

Fiscal Year	Medi-Cal Eligible	ICBHS Served	Penetration Rate	Rate of Change*
FY 21-22	90,351	6,759	7.48%	9.53%
FY 20-21	84,654	6,168	7.29%	-17.70%
FY 19-20	79,792	7,064	8.85%	8.59%

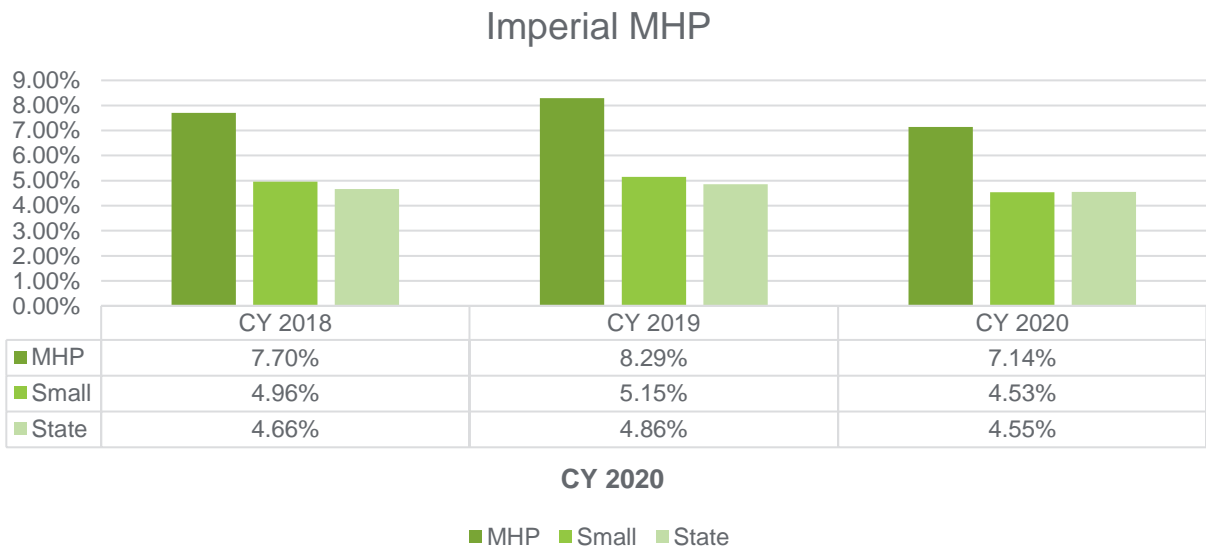
*Rate of Change shows how much a population is growing or declining in the particular year.

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 2018 to CY 2020. This data has been derived from the data presented in the Medi-Cal Specialty Mental Health External Quality Review Final Report for FY 2020-2021. This data is based on the number of Medi-Cal claims.

As seen in Figure 1A, the statewide and small county penetration rates had increase from CY 2018 to CY 2019 with a subsequent decrease in CY 2020 while the Imperial County rate steadily increased during the same period, ranging 7.70% in CY 2018 to 8.29% in CY 2019. 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 19-20 when the rates increased; for FY 20-21 penetration rate decreased and FY 21-22 the penetration rate increased.

Figure 1A. Overall Penetration Rates CY 2018-2020



Penetration Data Demographics

The following section includes penetration data by demographic characteristics for FY 2020-2021 and FY 2021-2022 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 2021-2022. The demographic characteristics of the clients served are included in the following tables:

ETHNICITY

The data shows that the penetration rate of beneficiaries who are **African American** ethnic group accessing services in Imperial County was the highest than other group at **21.71%**.

The penetration rate of beneficiaries who are **Asian/Pacific Islander** ethnic group accessing services in Imperial County were the ethnicities with the **lowest** penetrations rate at **0.00%** followed by **Alaskan Native/American Indian** with **4.55%**.

Table 2: Race/Ethnicity

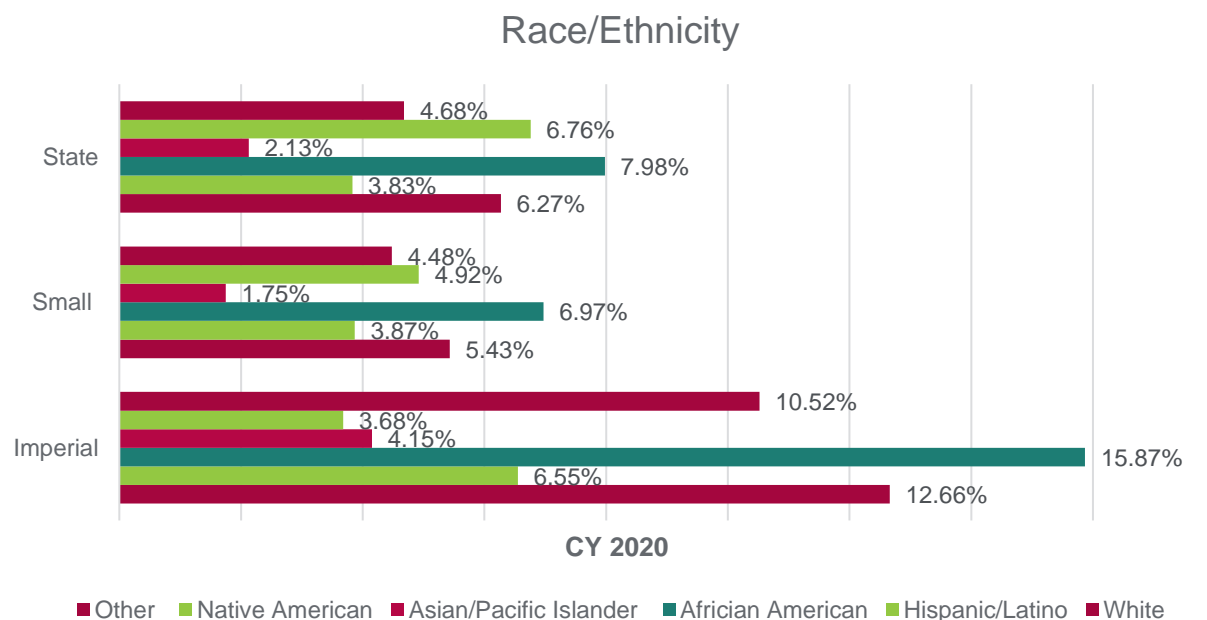
Ethnicity	FY 20-21			FY 21-22		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	Medi-Cal Served		
Alaskan Nat./Am. Indian	595	38	6.39%	616	28	4.55%	-28.83%
Asian/Pacific Islander	50	0	0.00%	51	0	0.00%	0.00%
African American	682	149	21.85%	714	155	21.71%	-0.64%
Hispanic/Latino	75,541	5,239	6.94%	80,616	5,797	7.19%	3.69%
White	3,620	609	16.82%	3,776	616	16.31%	-3.03%
Other/Not reported	4,166	133	3.19%	4,578	163	3.56%	11.53%
Total	84,654	6,168	7.29%	90,351	6,759	7.48%	2.67%

Additional Information:

A comparison between FY 2020-2021 and FY 2021-2022 shows a decrease of 1.84% in Alaska Native/American Indian group. The Asian/Pacific Islander remains at 0% from FY 20-21 to FY 21-22. The Hispanic/Latino group had an increase of .25% for FY 21-22. When reviewing the rates of change between fiscal years, all ethnic groups showed a decrease from the previous year except for Other/Not reported had an increase from 3.82% for FY 20-21 to 11.53 % for FY 21-22.

Average Approved Claims:

The External Quality Review Organization (EQRO) Medi-Cal approved claims data indicates that Imperial County has the largest penetration rates for African American at 15.87%, while small counties was at 6.97% and statewide was at 7.98%. A comparison of penetration rates between Imperial, small counties and statewide indicates Imperial had the highest penetration rates for CY 2020, except in the Native American group. A comparison of penetration rates shows the MHP's highest penetration rate for FY 21-22 was African American at 21.71%, which is consistent with DHCS Approved Claims for CY 2020.



GENDER

The data shows that the penetration rates of beneficiaries who are **Males** accessing mental health services in Imperial County was the **highest** at **7.95%** than **Females** at **7.11%**. Table 3 illustrates the distribution for FY 2020-2021 and FY 2021-2022 by gender.

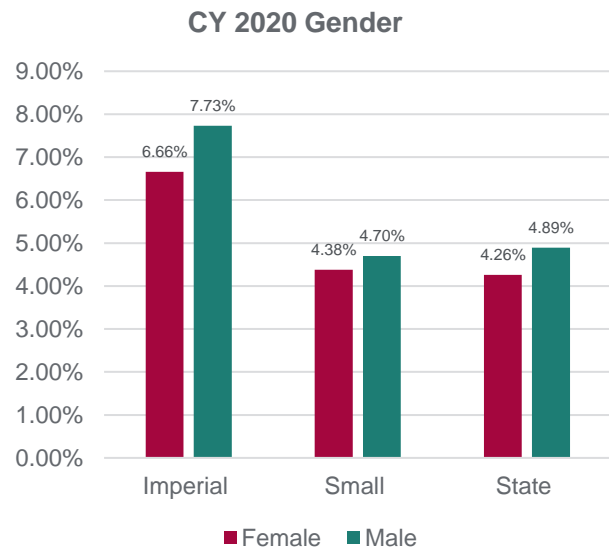
Table 3: Gender

Gender	FY 20-21			FY 21-22		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	Medi-Cal Served		
Female	47,529	3,161	6.65%	50,634	3,600	7.11%	6.90%
Male	37,125	3,007	8.10%	39,717	3,159	7.95%	-1.80%
Total	84,654	6,168	7.29%	90,351	6,759	7.48%	2.67%

A comparison between FY 2020-2021 and FY 2021-2022 shows an increase in the females of 0.46% and a decrease in males of 0.15%. The overall rate of change increased from -17.70%, to 2.67% when compared to FY 2020-2021.

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 7.73% and the female group at 6.66%. The rate for small counties was the male group at 4.70% and for the female group at 4.38%, with statewide rates for male the group at 4.89% and the female group at 4.26%. This data is consistent with the MHP's penetration rate for FY 21-22, when the male gender group had the highest penetration rate at 7.95%.



LANGUAGE

The data shows that the penetration rate of beneficiaries who are **English** Speaking accessing mental health services in Imperial County was the **highest** at **12.43%** than for **Spanish** at **4.25%**. Table 4 illustrates the distribution for FY 2020-2021 and FY 2021-2022 by primary language.

Table 4: Language

Language	FY 20-21			FY 21-22		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	Medi-Cal Served		
English	33,171	4,080	12.30%	35,733	4,442	12.43%	1.07%
Spanish	51,036	2,076	4.07%	54,203	2,302	4.25%	4.41%
Other/Unknown	447	12	2.68%	415	15	3.61%	34.64%
Total	84,654	6,168	7.29%	90,351	6,759	7.48%	2.67%

A comparison between FY 2020-2021 and FY 2021-2022 shows an increase for both languages. English-speaking group increased by 1.13% and the Spanish-speaking group by at 4.42%, 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 data shows that the penetration rate of beneficiaries who are between **14-20 age group** accessing mental health services in Imperial County was the **highest** than other age groups at **14.08%**. The penetration rate of beneficiaries who are between 65+ age group accessing mental health services in Imperial County was the **lowest** than other age groups at **0.48%**. Table 5 illustrates the distribution for FY 2020-2021 and FY 2021-2022 by age group.

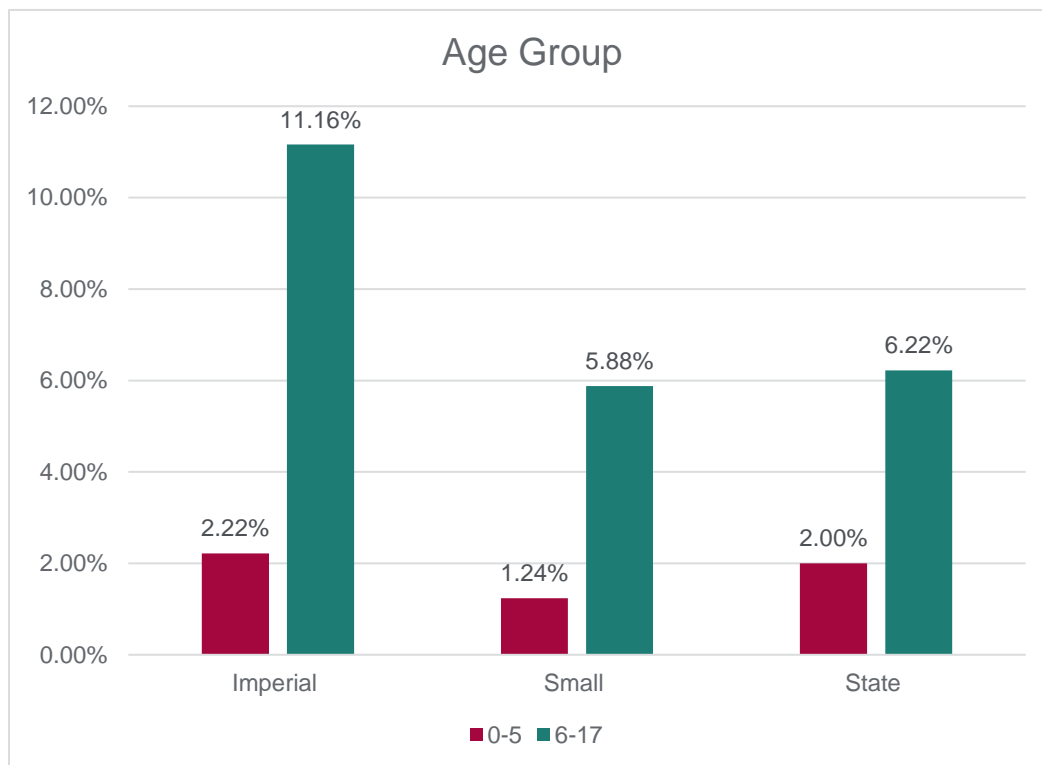
Table 5: Age Group

Age Group	FY 20-21			FY 21-22		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	Medi-Cal Served		
0-5	8,029	162	2.02%	9,694	185	1.91%	-5.42%
6-13	13,664	1,533	11.22%	14,340	1,602	11.17%	-0.43%
14-20	11,241	1,458	12.97%	11,808	1,663	14.08%	8.58%
21-25	5,825	446	7.66%	6,169	481	7.80%	1.83%
26-64	33,701	2,514	7.46%	35,849	2,768	7.72%	3.51%
65+	12,194	55	0.45%	12,491	60	0.48%	6.50%
Total	84,654	6,168	7.29%	90,351	6,759	7.48%	2.67%

A comparison for FY 2020-2021 and FY 2021-2022 shows an increase in the penetration rates for all age groups except the 0-5 and 6-13 age groups. The 0-5 age group penetration rate decreased by 0.11% and 6-13 age group decreased by .05%. When reviewing the rates of change between fiscal years, the 26-64 age group increased from -17.00 % in FY 2020-2021 to 3.51% in FY 2021-2022.

Additional Information:

The External Quality Review Organization (EQRO) Medi-Cal approved claims data indicates that Imperial County had the highest penetration rates for age group 6-17 at 11.16%, small counties at 5.88% and statewide at 6.22% for CY 2020. The age group who had the lowest penetration rate was 0-5 at 2.22%, small counties was at 1.24% and statewide was at 2.00%. This is not consistent with the MHP's data with age group 65+ with the lowest penetration rate for FY 21-22.



During FY 20-21 the QM conducted an analysis for the 0-5 age group in efforts to see barriers in accessing services. The QM sampled 79 beneficiaries; 84% did not meet medical necessity who had 1-3 services and 37% were discharged due to no care needed and sufficient progress after completion of Early Intervention Program and had 12 + services for FY 20-21.

CITY OF RESIDENCE

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 **58.70%**. The penetration rate of beneficiaries who lived in **Winterhaven** accessing mental health services in Imperial County was the **lowest** than other cities at **4.13%**. Table 6 illustrates the distribution for FY 2020-2021 and FY 2021-2022 by city of residence.

Table 6: City of Residence

City of Residence	FY 20-21			FY 21-22		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	# Medi-Cal Served		
Brawley	14,581	1,237	8.48%	15,413	1,317	8.54%	0.72%
Calexico	25,687	1,209	4.71%	26,729	1,402	5.25%	-6.50%
Calipatria	1,165	159	13.65%	1,230	211	17.15%	-20.21%
El Centro	25,210	2,084	8.27%	26,633	2,228	8.37%	-10.05%
Heber	2,893	227	7.85%	2,972	234	7.87%	-25.93%
Holtville	3,714	230	6.19%	4,013	256	6.38%	-1.71%
Imperial	6,505	478	7.35%	7,447	562	7.55%	-16.98%
Niland	551	74	13.43%	545	83	15.23%	-62.61%
Seeley	161	85	52.80%	183	84	45.90%	-3.71%
Westmorland	159	132	83.02%	184	108	58.70%	-3.86%
Winterhaven	1,100	55	5.00%	1,186	49	4.13%	-55.81%
Other/Not reported	2,928	198	6.76%	3,816	225	5.90%	-16.01%
Total	84,654	6,168	7.29%	90,351	6,759	7.48%	2.67%

The city of Westmorland showed a decrease in penetration rate from 83.02% for FY 2020-2021 to 58.70% for FY 2021-2022. Brawley, Calexico, Calipatria, El Centro, Heber, Holtville, Imperial, Niland, had an increase in penetration rates for FY 21-22.

The city of Winterhaven had a decrease rate of change from -46.52 % to -55.81% and Westmorland from 35.99% to -3.86 % when compared to FY 2020-2021.



The penetration rate for **FY 2021-2022** is **0.94%**, which is an **increase** when compared to the **FY 2020-2021** penetration rate at **0.74%**. The penetration rate and the rate of change for substance use disorder treatment services for the last three (3) fiscal years are illustrated in Table 7.

Table 7: Substance Use Disorder Treatment Services

Fiscal Year	Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	Rate of Change
FY 21-22	90,351	847	0.94%	-27.03%
FY 20-21	84,654	627	0.74%	-13.22%
FY 19-20	79,792	681	0.85%	17.23%

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

ETHNICITY

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 **3.50%**.

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%** followed by **Hispanic/Latino** with a penetration rate of **0.84%**. Table 8 illustrates the distribution for FY 2020-2021 and FY 2021-2022 by ethnicity.

Table 8: Race/Ethnicity

Ethnicity	2020-2021			2021-2022			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Alaskan Native/American Indian	595	0	0.00%	616	0	0.00%	0.00%
Asian/Pacific Islander	50	0	0.00%	51	0	0.00%	0.00%
African American	682	31	4.55%	714	25	3.50%	-22.97%
Hispanic/Latino	75,541	470	0.62%	80,616	674	0.84%	34.38%
White	3,620	94	2.60%	3,776	107	2.83%	9.13%
Other/Not reported	4,166	32	0.77%	4,578	41	0.90%	16.59%
Ethnicity Total	84,654	627	0.74%	90,351	847	0.94%	26.57%

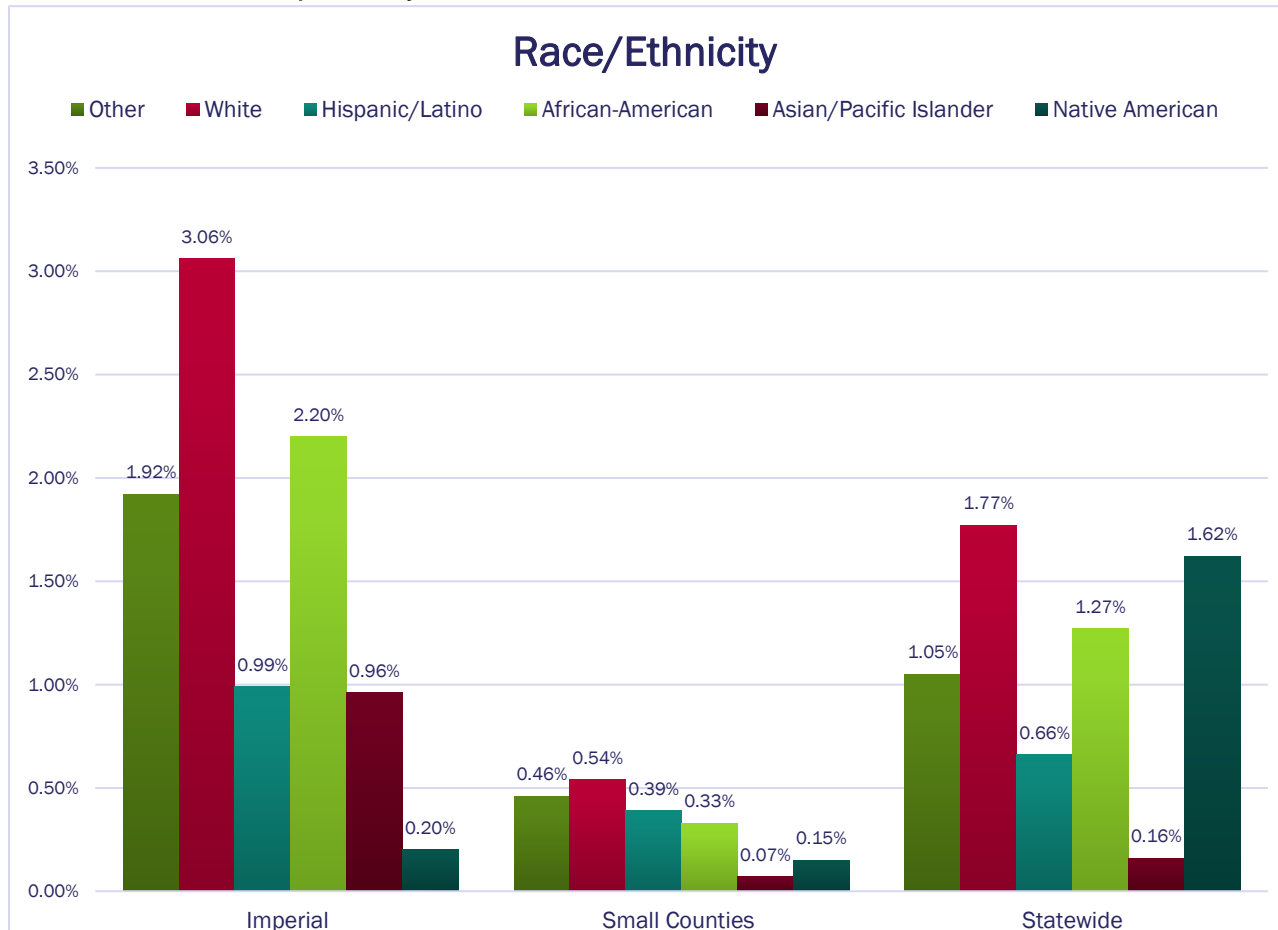
A comparison between FY 2020-2021 and FY 2021-2022 shows an increase for Hispanic/Latino from 0.62% to 0.84% and White from 2.60% to 2.83%. The African American had a decrease from 4.55% to 3.50%.

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 data shows that the penetration rates of beneficiaries who are **Males** accessing treatment in Imperial County was the **highest** at **1.40%** than **Females** at **0.57%**. Table 9 illustrates how females and males access treatment through the substance use disorder treatment services for FY 2021-2022.

Table 9: Gender

Gender	2020-2021			2021-2022			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Female	47,529	228	0.48%	50,634	291	0.57%	19.80%
Male	37,125	399	1.07%	39,717	556	1.40%	30.25%
Unknown	0	0	0	0	0	0	0.00%
Gender Total	84,654	627	0.74%	90,351	847	0.94%	26.57%

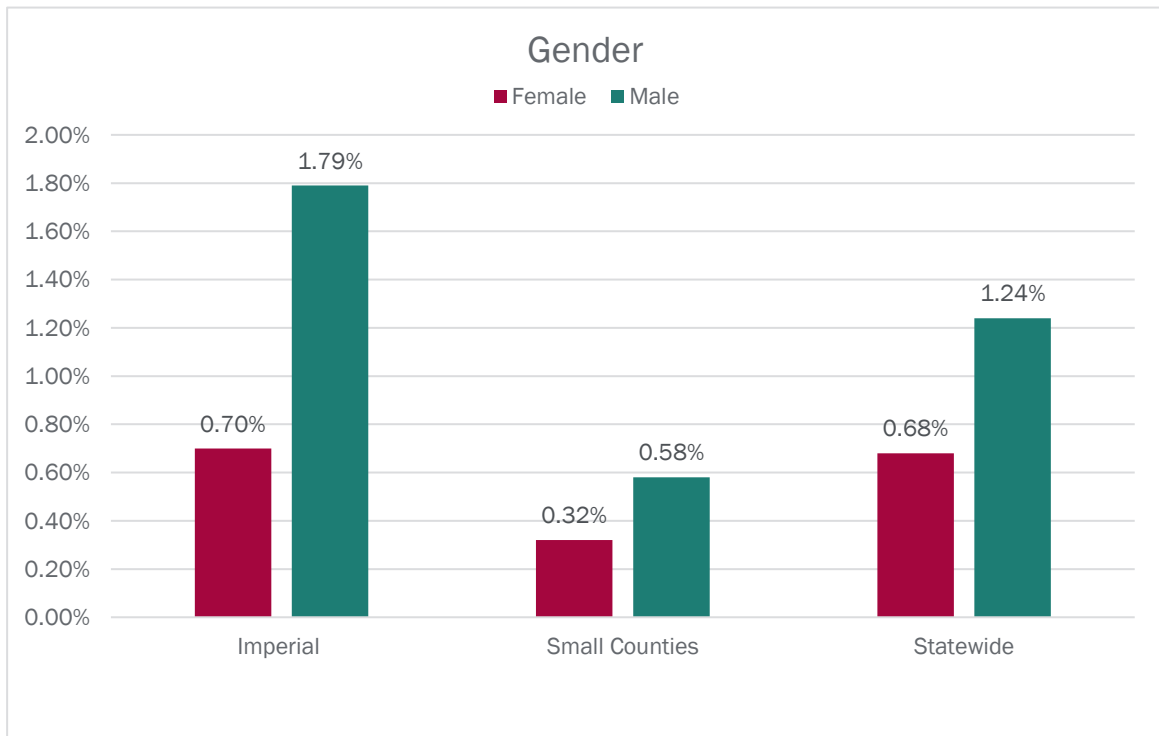
A comparison between FY 2020-2021 and FY 2021-2022 shows an increase in the males from 0.48% to 0.57% and a decrease in females from 1.07% to 0.57%.

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 0.322% and 1.24%, respectively.



LANGUAGE

The data shows that the penetration rate of beneficiaries who are **English** Speaking accessing treatment in Imperial County was the **highest** at **1.96%** than for **Spanish** at **0.27%**. Table 10 illustrates the distribution for FY 2020-2021 and FY 2021-2022 by primary language.

Table 10: Primary Language

Primary Language	2020-2021			2021-2022			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
English	33,171	533	1.61%	35,733	702	1.96%	22.26%
Spanish	51,036	94	0.18%	54,203	145	0.27%	45.24%
Other/Unknown	447	0	0.00%	415	0	0.00%	0.00%
Language Total	84,654	627	0.74%	90,351	847	0.94%	26.57%

A comparison between FY 2020-2021 and FY 2021-2022 shows an increase for both languages. English-speaking group increase by 22.26% and the Spanish-speaking group by at 45.24%, which is a significant difference when comparing the number of Medi-Cal Eligible in each language group.

AGE GROUP

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 1.62%. The penetration rate of beneficiaries who are between **12-20** and **65+** age group accessing treatments in Imperial County was the lowest than other age groups at **0.54%** and **0.03%**. Table 11 illustrates the distribution for FY 2020-2021 and FY 2021-2022 by age group.

Table 11: Age Group

Age Group	2020-2021			2021-2022			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
12-20	32,934	99	0.30%	35,842	195	0.54%	80.99%
21-25	5,825	52	0.89%	6,169	68	1.10%	23.48%
26-64	33,701	474	1.41%	35,849	580	1.62%	15.03%
65+	12,194	2	0.02%	12,491	4	0.03%	95.24%
Age Group Total	84,654	627	0.74%	90,351	847	0.94%	26.57%

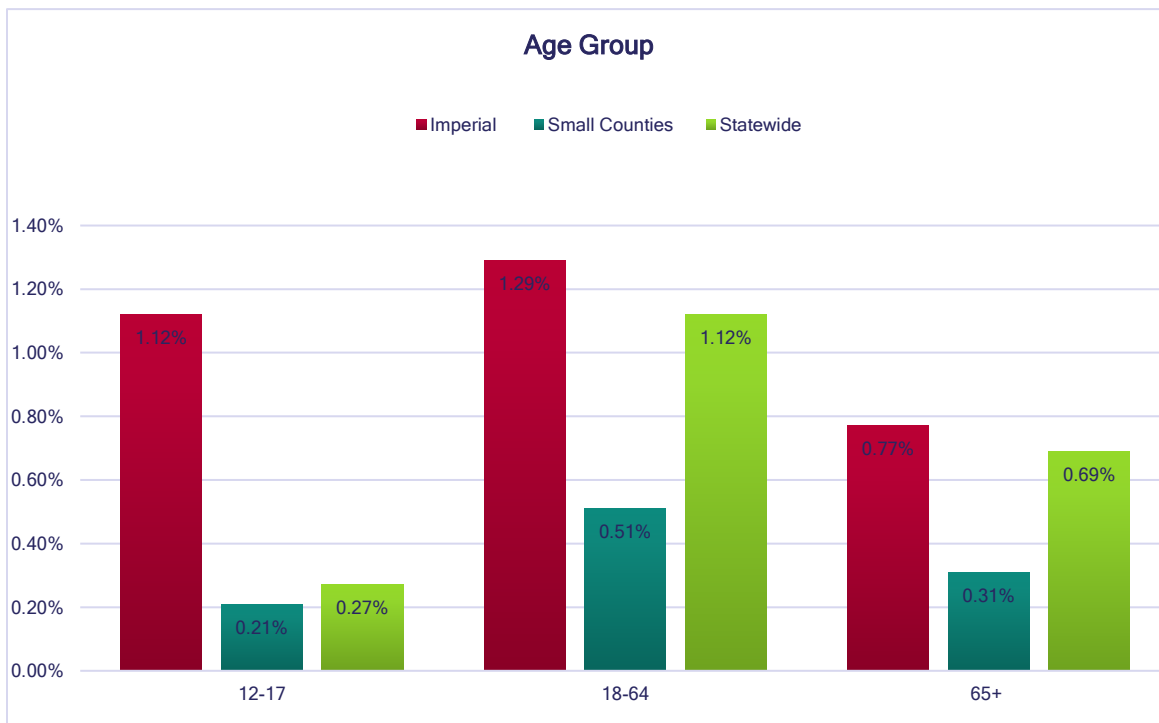
A comparison for FY 2020-2021 and FY 2021-2022 shows a decrease in the penetration rates for the 12-20, 21-25 and 26-64 age groups. The rate of range decrease from 0.03% to 1.62% age group.

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 data shows that the penetration rate of beneficiaries who lived in **Niland** accessing treatment in Imperial County was the **highest** than other cities at **4.04%**. The penetration rate of beneficiaries who lived in **Calexico, Holtville, and Winterhaven** accessing treatment in Imperial County was the **lowest** than other cities at **0.57%, 0.67, and 0.17%**. Table 12 illustrates the distribution for FY 2020-2021 and FY 2021-2022 by city of residence.

Table 12: City of Residence

City of Residency	2020-2021			2021-2022			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Brawley	14,581	125	0.86%	15,413	171	1.11%	29.42%
Calexico	25,687	109	0.42%	26,729	152	0.57%	34.01%
Calipatria	1,165	22	1.89%	1,230	22	1.79%	-5.28%
El Centro	25,210	236	0.94%	26,633	319	1.20%	27.95%
Heber	2,893	8	0.28%	2,972	25	0.84%	204.19%
Holtville	3,714	24	0.65%	4,013	27	0.67%	4.12%
Imperial	6,505	42	0.65%	7,447	56	0.75%	16.47%
Niland	551	13	2.36%	545	22	4.04%	71.09%
Seeley	161	5	3.11%	183	6	3.28%	5.57%
Westmorland	159	9	5.66%	184	4	2.17%	-61.59%
Winterhaven	1,100	4	0.36%	1,186	2	0.17%	-53.63%
Other/ Not Reported	2,914	30	1.03%	3,804	41	1.08%	4.69%
City of Residency Total	84,640	627	0.74%	90,339	847	0.94%	26.57%

A comparison for FY 2020-2021 and FY 2021-2022 shows a decrease in the penetration rates for most of the cities of residency. The range decrease ranging from 0.17% to 1.77% age group. Holtville and Niland shows an increase going from 0.04% to 2.36%.

Conclusion to the Data Analysis

The purpose of this report is to evaluate Imperial County Behavioral Health Service's ability to provide mental health and substance abuse treatment services to beneficiaries. After reviewing the aforementioned data, it is evident that services are underutilized and population groups with such gaps are considered underserved.

As a result of comparing Imperial County Medi-Cal data to the most recent DHCS Approved Claims and Monthly Extract File data, it has been determined that the following populations' categories are underserved, therefore, outreach activities should be conducted to reach out to these populations.

The underserved categories are as follows:

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

**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)*