



IMPERIAL COUNTY
Behavioral Health Services
MENTAL HEALTH & SUBSTANCE USE RECOVERY

The background of the cover features a close-up of a computer keyboard in shades of blue and white. Overlaid on this are several large, colorful arrows pointing upwards. The arrows are in various colors: white with a black outline, blue, red, green, and orange. A large blue diagonal shape cuts across the bottom left corner of the page.

IMPERIAL COUNTY BEHAVIORAL HEALTH SERVICES **PENETRATION RATES** Fiscal Year 2022-2023

Prepared by: Quality Management December 2023

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**.



ICBHS implemented the California Advancing and Innovating Medi-Cal (CalAIM) behavioral health initiatives through the Semi-Statewide Innovation Enterprise Health Record Project. This involved adopting the SmartCare EHR to meet evolving standards, enhance workforce efficiency, promote cross-county learning, and scale best practices. As the first pilot county, ICBHS went live with SmartCare on February 1, 2023, collaborating with CalMHSA. Due to these changes, the report only provides Medi-Cal serve FY 2022-2023 for six months covering July 1, 2022, through December 31, 2022.

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.

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

This fiscal year (2022-2023), 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 category 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).

MENTAL HEALTH SERVICES

The penetration rate for **FY 2022-2023** is **6.57%**, which is a decrease compared to the FY 2021-2022 penetration rate at 7.48%. 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 22-23	92,225	6,059	6.57% ▼	-12.18%
FY 21-22	90,351	6,759	7.48% ▲	9.53%
FY 20-21	84,654	6,168	7.29%	-17.70%

**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 2019 to CY 2021. This data has been derived from the data presented in the Medi-Cal Specialty Mental Health External Quality Review Final Report for FY 2021-2022. This data is based on the number of Medi-Cal claims.

As seen in Figure 1A, the statewide and small county penetration rates had decreased from CY 2019 to CY 2021 while the Imperial County rate also decreased during the same period, ranging from 8.29% in CY 2019 to 7.14% in CY 2020 and 6.70% in CY 2021. 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 21-22 when the rates increased; for FY 22-23 the penetration rate decreased to 6.57%.

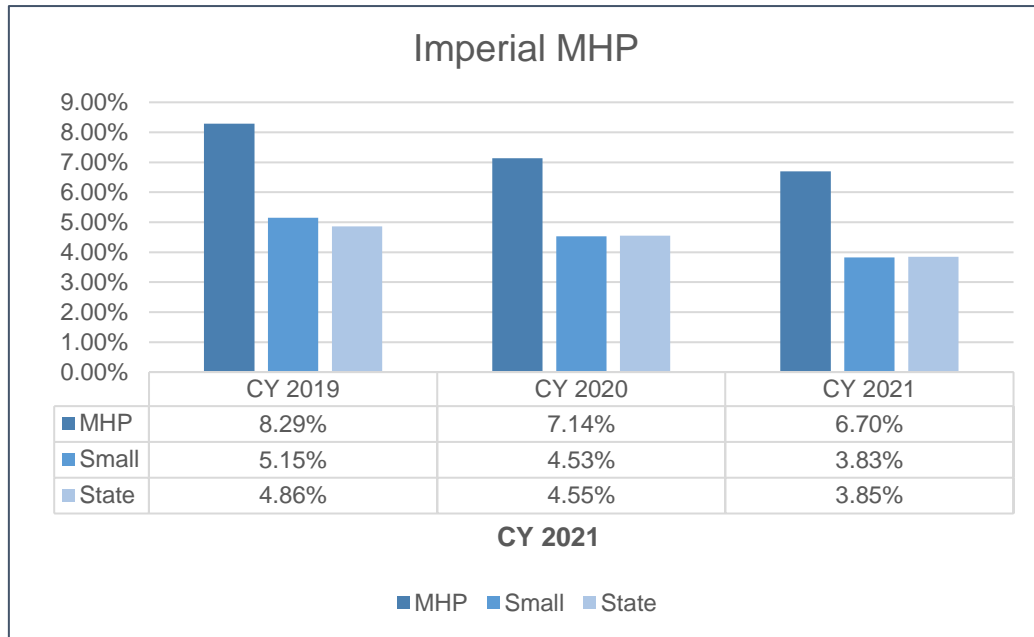


Figure 1A. Overall Penetration Rates 1

PENETRATION DATA DEMOGRAPHICS

The following section includes penetration data by demographic characteristics for FY 2021-2022 and FY 2022-2023. For this current fiscal year, we are reporting Medi-Cal served for six months covering July 1, 2022, through December 31, 2022, for mental health services. 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 another group at **17.63%**.

The penetration rate of beneficiaries who are **Alaskan Native/American Indian** ethnic group accessing services in Imperial County were the ethnicities with the **lowest** penetrations rate at **3.91%** followed by **Asian/Pacific Islander** with **4.11%**.

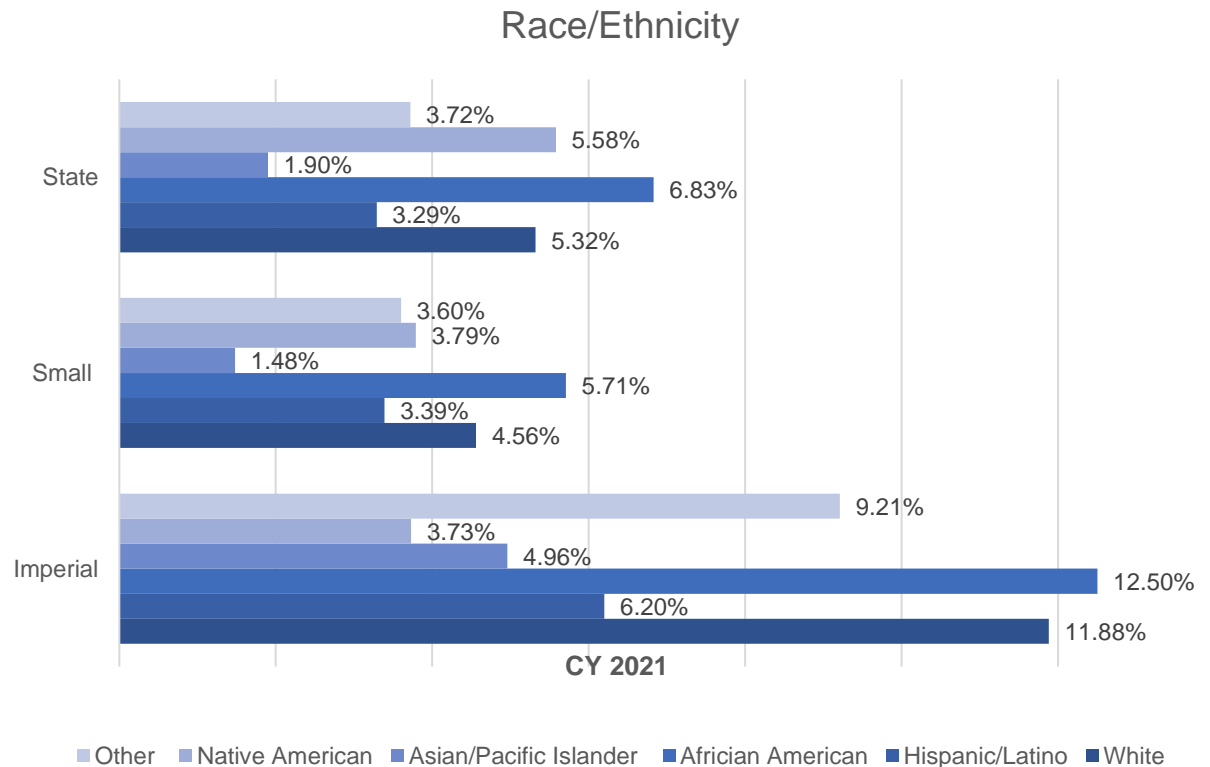
Table 2: Race/Ethnicity

Ethnicity	FY 21-22			FY 22-23		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	616	28	4.55%	640	25	3.91%	-14.06%
Asian/Pacific Islander	51	0	0.00%	146	6	4.11%	0.00%
African American	714	155	21.71%	828	146	17.63%	-18.78%
Hispanic/Latino	80,616	5,797	7.19%	74,915	5,177	6.91%	-3.90%
White	3,776	616	16.31%	4,938	565	11.44%	-29.86%
Other/Not reported	4,578	163	3.56%	10,758	140	1.30%	-63.45%
Total	90,351	6,759	7.48%	92,225	6,059	6.57%	-12.18%

A comparison between FY 2021-2022 and FY 2022-2023 shows most ethnic groups had a decrease in penetration rates except for Asian/Pacific Islander which remained the same at 0.00% from previous fiscal 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 12.50%, while small counties was at 5.71% and statewide was at 6.83%. A comparison of penetration rates between Imperial, small counties and statewide indicates Imperial had the highest penetration rates for CY 2021, except in the Native American ethnicity group. A comparison of penetration rates shows the MHP's highest penetration rate for FY 22-23 was African American at 17.63%, which is consistent with DHCS Approved Claims for CY 2021.



GENDER

The data shows both Male and Female beneficiaries had the same penetration rate at 6.57% for FY 22-23. Table 3 illustrates how females and males access treatment through the mental health services for FY 2021-2022 and FY 2022-2023.

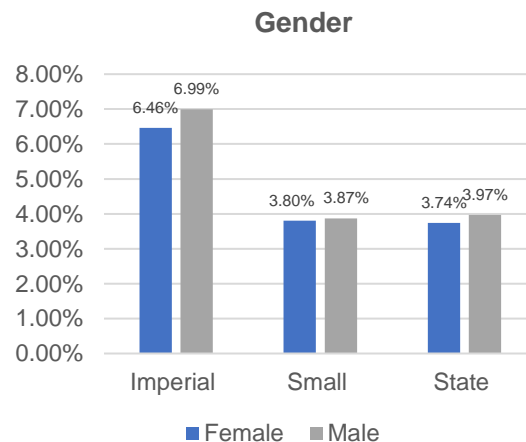
Table 3: Gender

Gender	FY 21-22			FY 22-23		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	Medi-Cal Served		
Female	50,634	3,600	7.11%	48,029	3,155	6.57%	-7.61%
Male	39,717	3,159	7.95%	44,196	2,904	6.57%	-17.39%
Total	90,351	6,759	7.48%	92,225	6,059	6.57%	-12.18%

The comparison of the two fiscal years indicates a decline in treatment access for females accessing treatment in Imperial County by -7.61% and males by -17.39% when compared to FY 2021-2022.

ADDITIONAL INFORMATION:

The External Quality Review Organization (EQRO) Medi-Cal approved claims data for CY 2021 indicates that Imperial County had penetration rates for both gender groups, with the male group at 6.99% and the female group at 6.46%. The rate for small counties was the male group at 3.87% and for the female group at 3.80%, with statewide rates for male the group at 3.97% and the female group at 3.74%. This data is not consistent with the MHP's penetration rate for FY 22-23, as the MHP served more females for the FY 22-23.



LANGUAGE

The data shows that the penetration rate of beneficiaries who are **English** Speaking accessing treatment in Imperial County was the **highest** at **10.36%** than for **Spanish** at **3.87%**. Table 4 illustrates the distribution for FY 2021-2022 and FY 2022-2023 by primary language.

Table 4: Language

Language	FY 21-22			FY 22-23		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	Medi-Cal Served		
English	35,733	4,442	12.43%	38,859	4,027	10.36%	-16.14%
Spanish	54,203	2,302	4.25%	52,380	2,025	3.87%	-8.97%
Other/Unknown	415	15	3.61%	986	7	0.71%	-80.36
Total	90,351	6,759	7.48%	92,225	6,059	6.57%	-12.18%

A comparison between FY 2021-2022 to FY 2022-2023 shows a decrease for English and Spanish speaking languages for beneficiaries accessing treatment services in Imperial County.

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 **14.48%**. 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 **0.62%**. Table 5 illustrates the distribution for FY 2021-2022 and FY 2022-2023 by age group.

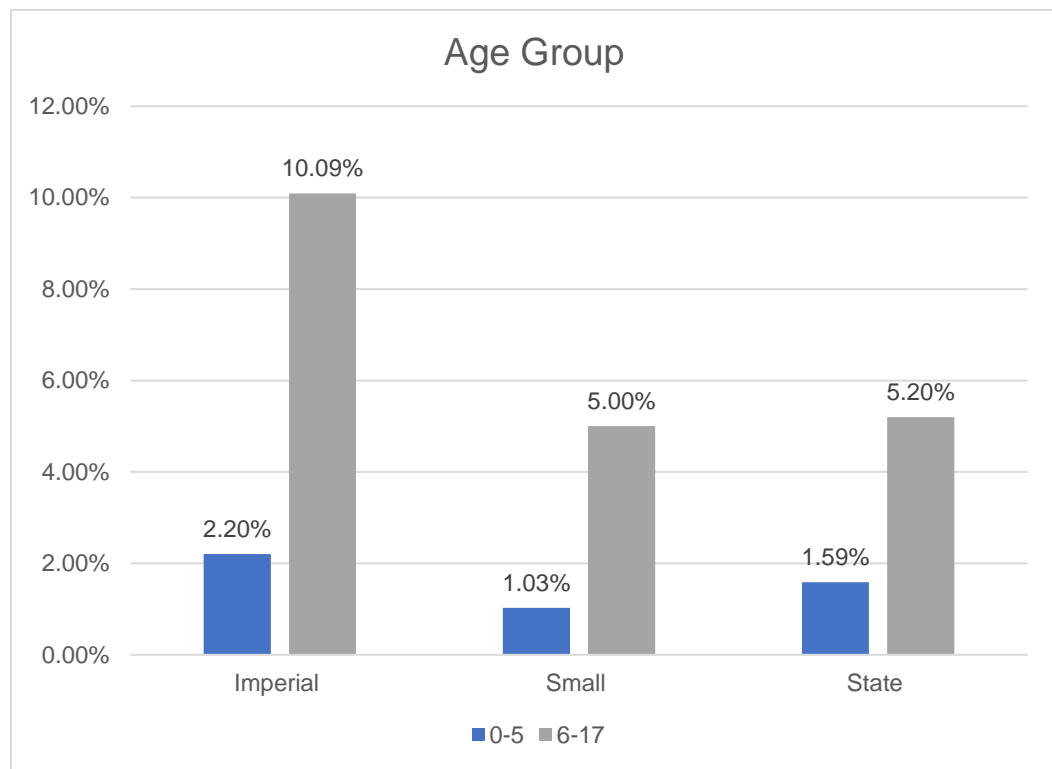
Table 5: Age Group

Age Group	FY 21-22			FY 22-23		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	Medi-Cal Served		
0-5	9,694	185	1.91%	6,819	116	1.70%	-10.86%
6-13	14,340	1,602	11.17%	11,608	1,311	11.29%	1.10%
14-20	11,808	1,663	14.08%	10,510	1,522	14.48%	2.82%
21-25	6,169	481	7.80%	6,913	472	6.83%	-12.43%
26-64	35,849	2,768	7.72%	42,059	2,549	6.06%	-21.51%
65+	12,491	60	0.48%	14,316	89	0.62%	29.42%
Total	90,351	6,759	7.48%	92,225	6,059	6.57%	-12.18%

A comparison for FY 2021-2022 and FY 2022-2023 shows an increase in the penetration rates for age groups 6-13, 14-20 and 65 and older. The following age groups 0-5, 21-25 and 26-64 decreased in penetration rates for FY 22-23.

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 10.09%, small counties at 5.00% and statewide at 5.20% for CY 2021. The age group who had the lowest penetration rate for Imperial County was 0-5 at 2.20%, small counties was at 1.03% and statewide was at 1.59%. This is not consistent with the MHP's data with age group 65+ with the lowest penetration rate for FY 22-23.



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 and as a result 84% did not meet medical necessity who had 1-3 services and 37% were discharged due to no care needed-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 **Calipatria** accessing treatment in Imperial County was the **highest** than other cities at **8.97%**. The penetration rate of beneficiaries who lived in **Winterhaven** accessing mental health services in Imperial County was the **lowest** than other cities at **2.81%**. Table 6 illustrates the distribution for FY 2021-2022 and FY 2022-2023 by city of residence.

Table 6: City of Residence

City of Residence	FY 21-22			FY 22-23		Penetration Rate	Rate of Change
	# of Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# of Medi-Cal Eligible	# Medi-Cal Served		
Brawley	15,413	1,317	8.54%	13,415	1,151	8.58%	0.41%
Calexico	26,729	1,402	5.25%	26,987	1,180	4.37%	-16.64%
Calipatria	1,230	211	17.15%	2,052	184	8.97%	-47.74%
El Centro	26,633	2,228	8.37%	24,185	2,059	8.51%	1.77%
Heber	2,972	234	7.87%	3,281	225	6.86%	-12.91%
Holtville	4,013	256	6.38%	3,742	229	6.12%	-4.08%
Imperial	7,447	562	7.55%	7,507	552	7.35%	-2.57%
Niland	545	83	15.23%	974	83	8.52%	44.03%
Seeley	183	84	45.90%	946	68	7.19%	-84.34%
Westmorland	184	108	58.70%	1,285	113	8.79%	-85.02%
Winterhaven	1,186	49	4.13%	1,493	42	2.81%	-31.93%
Other/Not reported	3,816	225	5.90%	6,358	173	2.72%	-53.84%
Total	90,351	6,759	7.48%	92,225	6,059	6.57%	-12.18%

Most cities demonstrated a decrease in penetration rates when compared from FY 21-22 to FY 22-23. The cities of Brawley, El Centro and Niland indicated an increase in penetration rate for FY 22-23.

SUBSTANCE USE DISORDER

The penetration rate for **FY 2022-2023** is **0.65%**, which is a **decrease** when compared to the **FY 2021-2022** penetration rate at **0.94%**. 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 22-23	92,225	601	0.65% ▼	-30.49%
FY 21-22	90,351	847	0.94% ▲	-26.57%
FY 20-21	84,654	627	0.74% ▼	-13.22%

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

PENETRATION DATA DEMOGRAPHICS

The following section includes penetration data by demographic characteristics for FY 2021-2022 and FY 2022-2023. For this current fiscal year, we are reporting Medi-Cal served for six months covering July 1, 2022, through December 31, 2022, for substance use disorder. 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 **White** ethnic group accessing treatment for substance use disorder in Imperial County was the **highest** than other subgroups at **1.09%**.

The penetration rate of beneficiaries who are **Alaskan Native/American Indian** and **Asian/Pacific Islander** ethnic groups accessing treatment for substance use disorder in Imperial County were the ethnicities with the **lowest** penetrations rate at **0.00%** followed by **African American** with a penetration rate of **0.36%**. Table 8 illustrates the distribution for FY 2021-2022 and FY 2022-2023 by ethnicity.

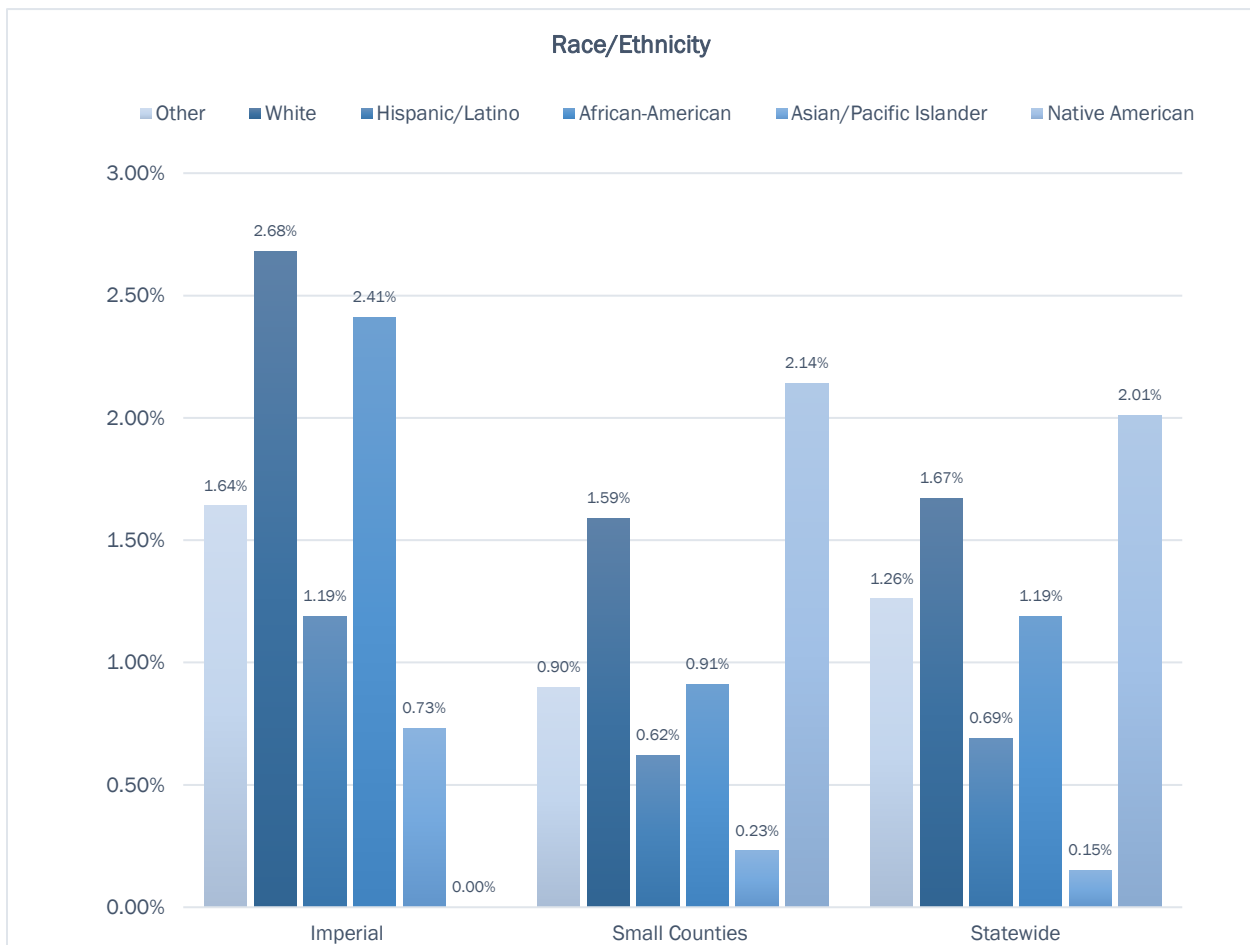
Table 8: Ethnicity

Ethnicity	2021-2022			2022-2023			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Alaskan Native/American Indian	616	0	0.00%	640	0	0.00%	0.00%
Asian/Pacific Islander	51	0	0.00%	146	0	0.00%	0.00%
African American	714	25	3.50%	828	3	0.36%	-89.65
Hispanic/Latino	80,616	674	0.84%	74,915	510	0.68%	-18.57%
White	3,776	107	2.83%	4,938	54	1.09%	-61.41%
Other/Not reported	4,578	41	0.90%	10,758	34	0.32%	-64.71%
Ethnicity Total	90,351	847	0.94%	92,225	601	0.65%	-30.49%

The comparison of the two fiscal years indicates a decline in treatment access for all ethnic groups accessing treatment for substance use disorder in Imperial County.

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 Imperial County has the highest percentages for each ethnic group, while the small counties have the lowest percentages. The statewide percentages fall in between the Imperial County and small counties. While Native American ethnic group showed having the highest penetration rate at the statewide level. This data is consistent with the SUD's penetration rate for FY 2022-2023, when the White ethnic group has the highest penetration rates at 1.09%.



GENDER

The data shows that the penetration rates of beneficiaries who are **Females** accessing treatment for substance use disorder in Imperial County was the **highest** at **0.74%** than **Males** at **0.55%**. Table 9 illustrates the distribution for FY 2021-2022 and FY 2022-2023.

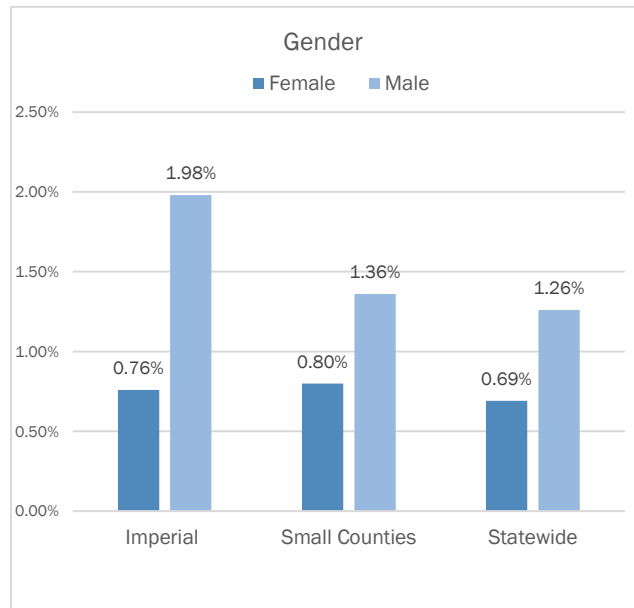
Table 9: Gender

Gender	2021-2022			2022-2023			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Female	50,634	291	0.57%	48,029	356	0.74%	28.97%
Male	39,717	556	1.40%	44,196	245	0.55%	-60.40%
Gender Total	90,351	847	0.94%	92,225	601	0.65%	-30.49%

The comparison of the two fiscal years indicates a decline in treatment access for males accessing treatment for substance use disorder in Imperial County by -60.40%. While female increased by 28.97% when compared to FY 2021-2022.

ADDITIONAL INFORMATION:

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 2022, which indicates that Imperial County has the highest penetration rates for males at 1.98%, respectively, while the small counties and statewide penetration rates are 1.26 % and 1.36%, respectively. This is not consisted with SUD’s data with the male population, which they have the lowest penetration rate for FY 2022-2023.



LANGUAGE

The data shows that the penetration rate of beneficiaries who are **English** Speaking accessing treatment for substance use disorder in Imperial County was the **highest** at **1.27%** than for **Spanish** at **0.20%**. Table 10 illustrates the distribution for FY 2021-2022 and FY 2022-2023 by primary language.

Table 10: Primary Language

Primary Language	2021-2022			2022-2023			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
English	35,733	702	1.96%	38,859	494	1.27%	-35.29%
Spanish	54,203	145	0.27%	52,380	107	0.20%	-23.64%
Other/Unknown	415	0	0.00%	986	0	0.00%	0.00%
Language Total	90,351	847	0.94%	92,225	601	0.65%	-30.49%

The comparison of the two fiscal years indicates a decline in treatment access for English and Spanish groups accessing treatment for substance use disorder in Imperial County. English-speaking group decreased by -35.29% and the Spanish-speaking group by -3.64%.

AGE GROUP

The data shows that the penetration rate of beneficiaries who are between **26-64** age group accessing treatments for substance use disorder in Imperial County was the **highest** than other age groups at **0.92%**. The penetration rate of beneficiaries who are between **65+** age group accessing treatments for substance use disorder in Imperial County was the lowest than other age groups at **0.06%**. Table 11 illustrates the distribution for FY 2021-2022 and FY 2022-2023 by age group.

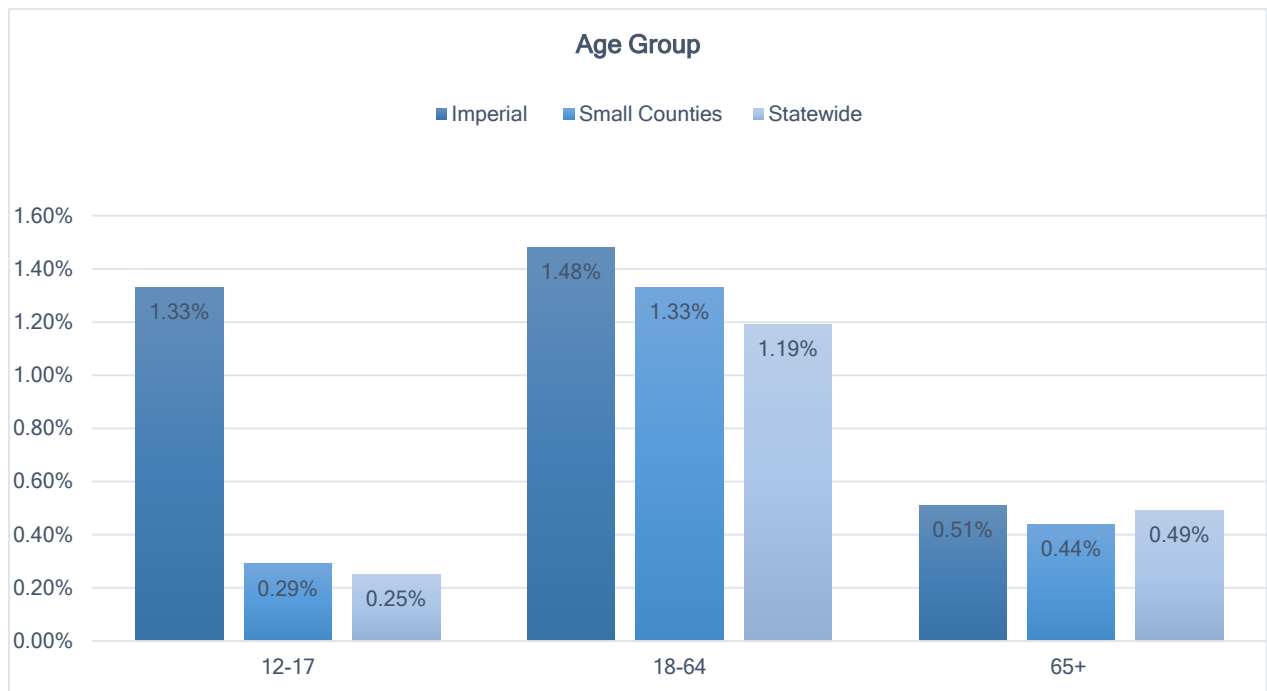
Table 11: Age Group

Age Group	2021-2022			2022-2023			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
12-20	35,842	195	0.54%	28,938	162	0.56%	2.90%
21-25	6,169	68	1.10%	6,913	43	0.62%	-43.57%
26-64	35,849	580	1.62%	42,059	388	0.92%	-42.98%
65+	12,491	4	0.03%	14,315	8	0.06%	74.52%
Age Group Total	90,351	847	0.94%	92,225	601	0.65%	-30.49%

The comparison of the two fiscal years indicates a decline in treatment access for all age groups accessing treatment for substance use disorder in Imperial County, except for the 12-20 age group, in which they increased by 2.90%.

ADDITIONAL INFORMATION:

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 2022, it indicates that the Imperial County's has the lowest penetration rate 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 **Westmorland** accessing treatment for substance use disorder in Imperial County was the **highest** than other cities at **1.01%**. The penetration rate of beneficiaries who lived in **Calexico, Seeley,** and **Winterhaven** accessing treatment in Imperial County was the **lowest** than other cities at **0.37%, 0.42, and 0.27%**. Table 12 illustrates the distribution for FY 2021-2022 and FY 2022-2023 by city of residence.

Table 12: City of Residence

City of Residency	2021-2022			2022-2023			Rate of Change
	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	# Medi-Cal Eligible	# Medi-Cal Served	Penetration Rate	
Brawley	15,413	171	1.11%	13,415	127	0.95%	14.67%
Calexico	26,729	152	0.57%	26,987	101	0.37%	34.19%
Calipatria	1,230	22	1.79%	2,052	16	0.78%	56.42%
El Centro	26,633	319	1.20%	24,185	216	0.89%	25.44%
Heber	2,972	25	0.84%	3,281	19	0.58%	31.17%
Holtville	4,013	27	0.67%	3,742	20	0.53%	20.57%
Imperial	7,447	56	0.75%	7,507	40	0.53%	29.14%
Niland	545	22	4.04%	974	7	0.72%	82.19%
Seeley	183	6	3.28%	946	4	0.42%	87.10%
Westmorland	184	4	2.17%	1,285	13	1.01%	53.46%
Winterhaven	1,186	2	0.17%	1,493	4	0.27%	-58.83%
Other/ Not Reported	3,816	41	1.07%	6,356	34	0.53%	50.21%
City of Residency Total	90,351	847	0.94%	92,225	601	0.65%	-30.49%

A comparison for FY 2021-2022 and FY 2022-2023 indicates an increase in the penetration rates for the majority of the cities of residency; however, for Winterhaven indicates a decrease from one fiscal year to the other.

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	Alaskan Native/American Indian	African American
Language	Spanish	Spanish
Gender	N/A	Male
Age Group	65 +	65+
City of Residence	Calexico and Winterhaven	Calexico, Seeley 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)*