Department of Health and Human Services
Office of Analytics

Personal Care Services, Prior Authorization Report (PAR) Study
State Fiscal Years (SFY) 2020 - 2022

The purpose of this report is to better understand the demographics of the Prior Authorization Reports (PAR) submitted and approved for Medicaid Members.

The target population of this report are all Medicaid members who have had a PAR submitted in the past 3 years (July 2019 through June 2022) for services to be billed under Personal Care Aide – Provider Agency (PT 30), Waiver for the Frail Elderly (PT 48), Waiver for Persons with Physical Disabilities (PT 58), and/or Personal Care Aide – Intermediary Service Organization (PT 83).

There are two possible studies we can complete using the data from the Prior Authorization Reports (PARs).

1. The first study is to become familiar with the populations receiving personal care services (PCS). This is essentially a demographics study.

2. The second study is the quantity at which personal care services are allowed. There are two 'big buckets' of personal care services:

- personal care services billed in 15-minute units

- personal care services billed per 'event' such as a meal or emergency set-up, or adult day care.

This report covers the first study. There are limitations to the second study which need to be addressed before a final report can be released.

The limitation on both studies is knowing the needs of the population. These studies rely on the assumption that persons in the same age group and gender categories would likely have the same alignments that would incline a physician to sign for PCS on a PAR.

Table 1: Average Medicaid SFY 2019 - 2022 Population for reference.

Race	Age Group	Gender	Avg Medicaid Pop	% of Medicaid Population
All Races	0-20	Female	174,916	20.9%
All Races	0-20	Male	190,558	22.8%
All Races	21-34	Female	104,309	12.5%
All Races	21-34	Male	66,500	8.0%
All Races	35-44	Female	55,886	6.7%
All Races	35-44	Male	41,144	4.9%
All Races	45-54	Female	39,020	4.7%
All Races	45-54	Male	33,040	4.0%
All Races	55-64	Female	38,590	4.6%
All Races	55-64	Male	34,245	4.1%
All Races	64+	Female	35,306	4.2%
All Races	64+	Male	21,626	2.6%
All Races	All Ages	Both Genders	835,140	100.0%

Data Source: Nevada Medicaid Data Warehouse
MM 9.19.2022

The average Medicaid population mostly consists of children and adolescents. Population percent decline as client's age groups increase.

Race, age, and gender categories with no representation of members with PARs for PCS services were removed from population totals.

The average population is based on SFY 2020 - SFY 2022 month over month Medicaid averages.

Table 2: Average Medicaid population with percent of members who have an approved PAR for PCS.

Race	Age Group	Gender	Avg Medicaid Pop	Members with an approved PAR for PCS	% of population with an approved PAR for PCS
All Races	0-20	Female	174,916	126	<1%
All Races	0-20	Male	190,558	206	<1%
All Races	21-34	Female	104,309	517	<1%
All Races	21-34	Male	66,500	638	1%
All Races	35-44	Female	55,886	532	1%
All Races	35-44	Male	41,144	505	1%
All Races	45-54	Female	39,020	1,048	3%
All Races	45-54	Male	33,040	595	2%
All Races	55-64	Female	38,590	2,335	6%
All Races	55-64	Male	34,245	1,327	4%
All Races	64+	Female	35,306	6,239	18%
All Races	64+	Male	21,626	2,537	12%
All Races	All Ages	Both Genders	835,140	16,605	2%

This table shows the average monthly enrollment (SFY 2020 - 2022) for Medicaid based on age and race. Two percent (2%) of the total Medicaid population has an approved PAR. Of this 2%, females in the age group 64 years and older have had the most approved PARs during the time period.

The next tables will break out the age group and gender of members by race.

Race, age, and gender categories with no representation of members with PARs for PCS services were removed from population totals.

16, 598 members had service units on an approved PAR for PCS at any time during fiscal years 2020, 2021, and 2022.

-Persons in the older age categories are more likely to have an approved PAR.

-Women are more likely to have an approved PAR for PCS compared to men.

-Black females (Hispanic and non-Hispanic) ages 64+ have the highest proportion of the approved PARs. However, only makes up about 7% of the total population with approved PARs.

-White females ages 64+ have the highest percentage of approved PARs when compared to the total percent of approved PARS.

In many of the gender and age Categories broken out by race, small numbers in the denominator effect the higher proportion of persons with an approved PAR for PCS.

Table 3. Female, Aged 64 or older

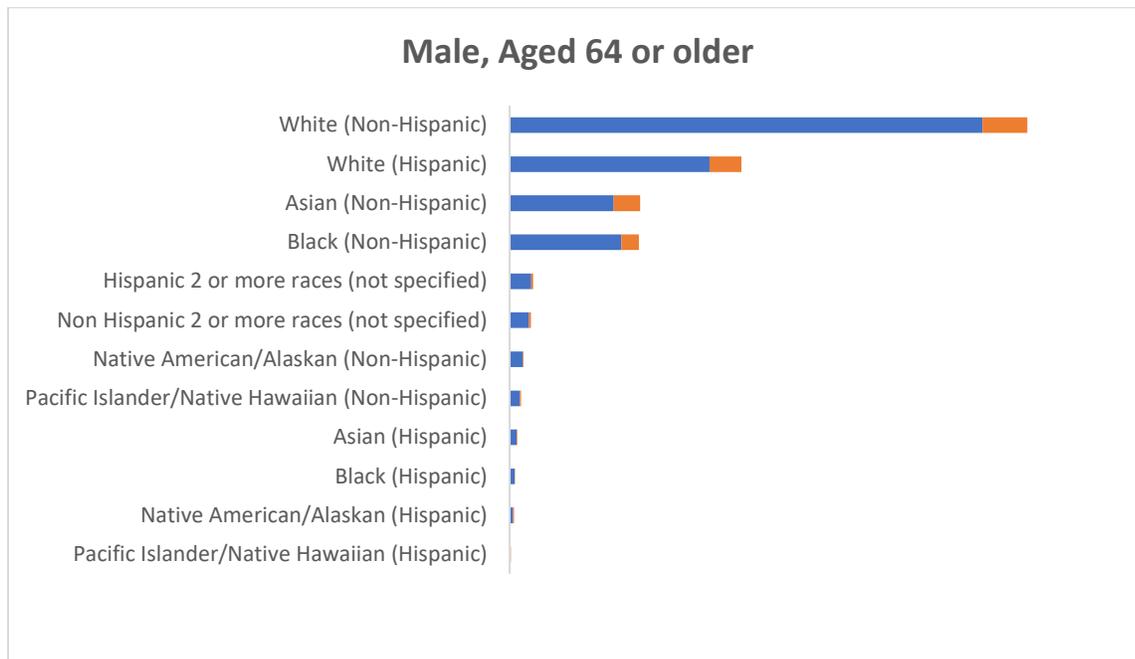| Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population†
Black (Hispanic)	174	56	32%
Black (Non-Hispanic)	4,122	1,114	27%
White (Hispanic)	8,036	1,618	20%
Asian (Non-Hispanic)	4,812	918	19%
Asian (Hispanic)	261	46	18%
Non Hispanic 2 or more races (not specified)	670	106	16%
Native American/Alaskan (Hispanic)	153	24	16%
White (Non-Hispanic)	15,273	2,143	14%
Pacific Islander/Native Hawaiian (Non-Hispanic)	457	56	12%
Hispanic 2 or more races (not specified)	786	96	12%
Pacific Islander/Native Hawaiian (Hispanic)	46	5	11%
Native American/Alaskan (Non-Hispanic)	516	52	10%
Average % of age group with approved PCS on PAR	35,306	6,234	18%

Chart 1: Female, Aged 64 or older
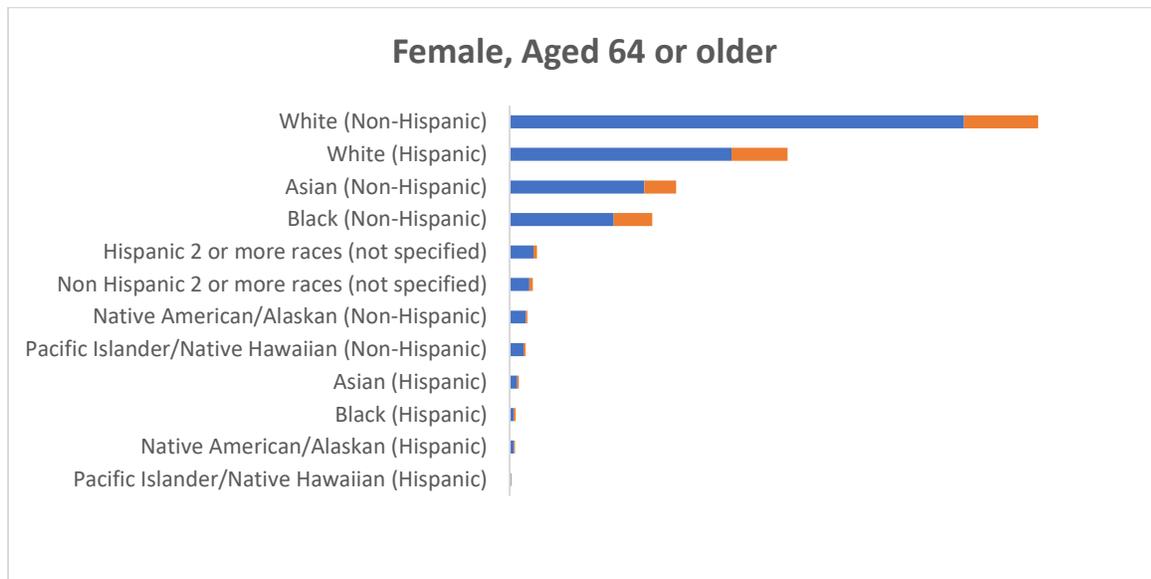
Chart 1: Female, Aged 64 or older

Table 4: Male, Aged 64 or older

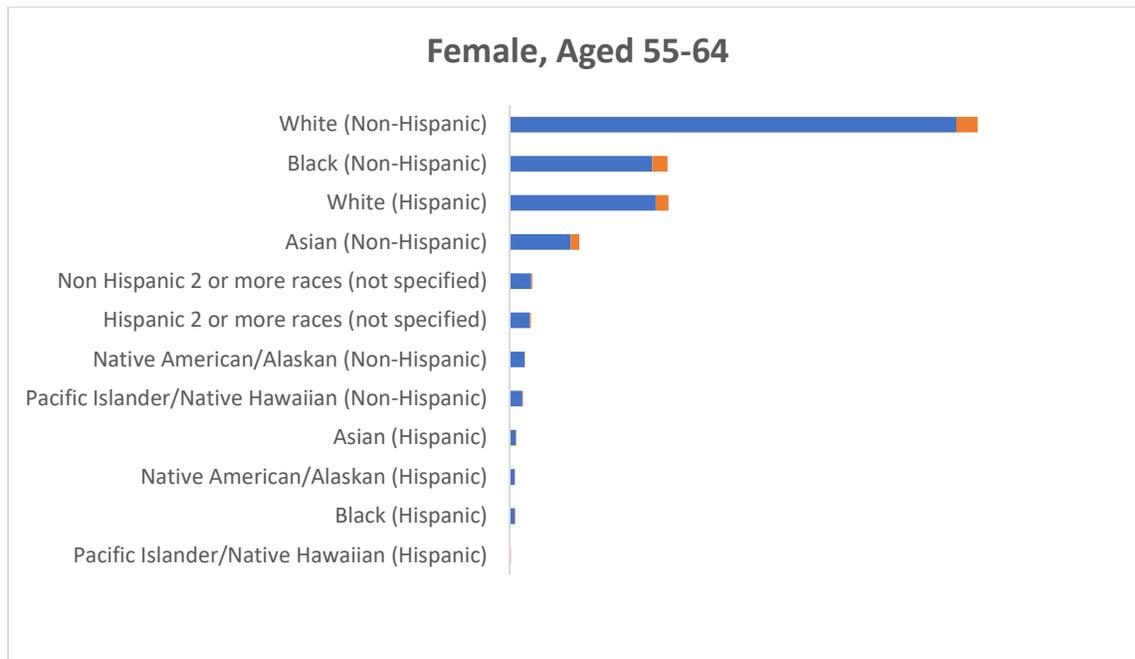| Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Black (Hispanic)	87	19	21.9%
Black (Non-Hispanic)	2,568	519	20.2%
White (Hispanic)	4,563	624	13.7%
Asian (Non-Hispanic)	2,546	348	13.7%
Pacific Islander/Native Hawaiian (Non-Hispanic)	227	28	12.4%
Asian (Hispanic)	152	16	10.5%
Hispanic 2 or more races (not specified)	422	40	9.5%
White (Non-Hispanic)	10,200	882	8.6%
Non Hispanic 2 or more races (not specified)	461	38	8.2%
Native American/Alaskan (Hispanic)	103	6	5.8%
Native American/Alaskan (Non-Hispanic)	275	15	5.5%
Pacific Islander/Native Hawaiian (Hispanic)	21	1	4.7%
Average % of age group with approved PCS on PAR	21,626	2,536	12%

Chart 2: Male, Aged 64 or older

Table 5: Female, Aged 55-64

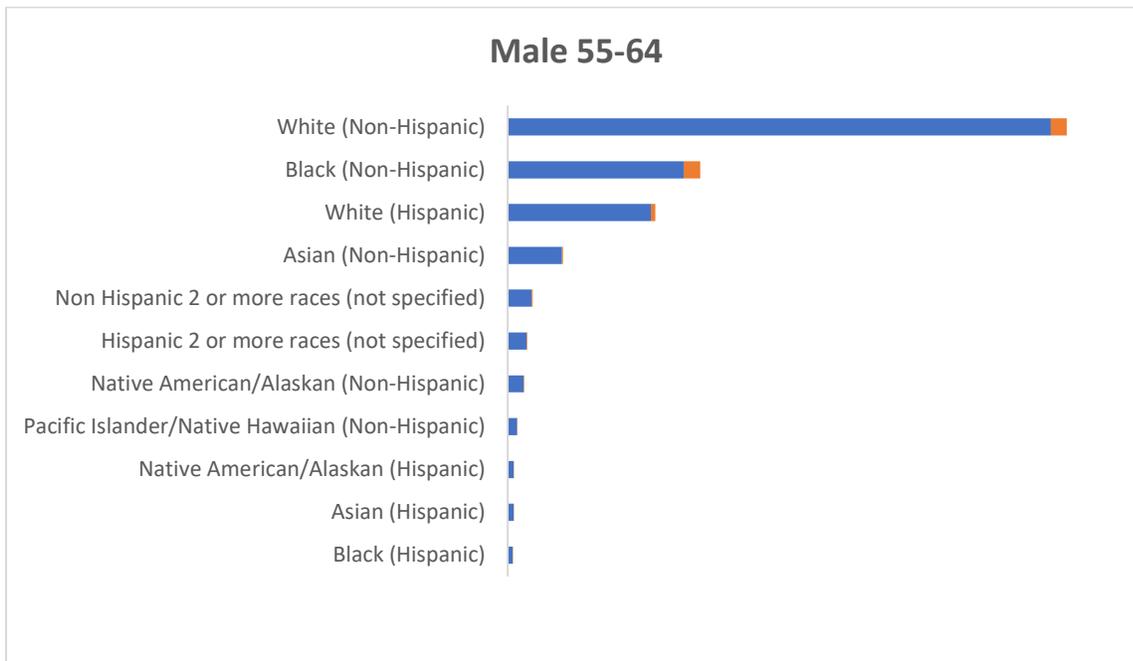| Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Black (Non-Hispanic)	6,871	1,016	14.8%
Native American/Alaskan (Hispanic)	228	17	7.5%
Black (Hispanic)	225	13	5.8%
White (Non-Hispanic)	19,217	887	4.6%
Pacific Islander/Native Hawaiian (Hispanic)	45	2	4.5%
Pacific Islander/Native Hawaiian (Non-Hispanic)	545	23	4.2%
Asian (Hispanic)	263	11	4.2%
White (Hispanic)	6,242	243	3.9%
Non Hispanic 2 or more races (not specified)	918	32	3.5%
Hispanic 2 or more races (not specified)	862	29	3.4%
Native American/Alaskan (Non-Hispanic)	627	21	3.3%
Asian (Non-Hispanic)	2,548	41	1.6%
Average % of age group with approved PCS on PAR	38,590	2,335	6%

Chart 3: Female, Aged 55-64

Female, Aged 55-64

Table 6: Male, Aged 55-64

Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Black (Non-Hispanic)	6,317	537	8.5%
Black (Hispanic)	175	10	5.7%
Native American/Alaskan (Hispanic)	207	7	3.4%
Non Hispanic 2 or more races (not specified)	821	26	3.2%
White (Hispanic)	4,849	152	3.1%
White (Non-Hispanic)	18,351	521	2.8%
Native American/Alaskan (Non-Hispanic)	539	14	2.6%
Hispanic 2 or more races (not specified)	646	16	2.5%
Pacific Islander/Native Hawaiian (Non-Hispanic)	324	8	2.5%
Asian (Non-Hispanic)	1,815	33	1.8%
Asian (Hispanic)	202	3	1.5%
Average % of age group with approved PCS on PAR	34,245	1,327	4%

Chart 4: Male, Aged 55-64

Table 7: Female, Aged 45-54

Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Black (Non-Hispanic)	8,104	468	5.8%
Native American/Alaskan (Hispanic)	293	11	3.8%
Non Hispanic 2 or more races (not specified)	942	27	2.9%
Pacific Islander/Native Hawaiian (Hispanic)	72	2	2.8%
White (Non-Hispanic)	17,060	375	2.2%
Black (Hispanic)	379	8	2.1%
Native American/Alaskan (Non-Hispanic)	688	14	2.0%
White (Hispanic)	7,238	103	1.4%
Pacific Islander/Native Hawaiian (Non-Hispanic)	634	9	1.4%
Asian (Hispanic)	302	3	1.0%
Hispanic 2 or more races (not specified)	935	8	0.9%
Asian (Non-Hispanic)	2,376	19	0.8%
Average % of age group with approved PCS on PAR	39,020	1,047	3%

Chart 5: Female 45-54

Female 45-54
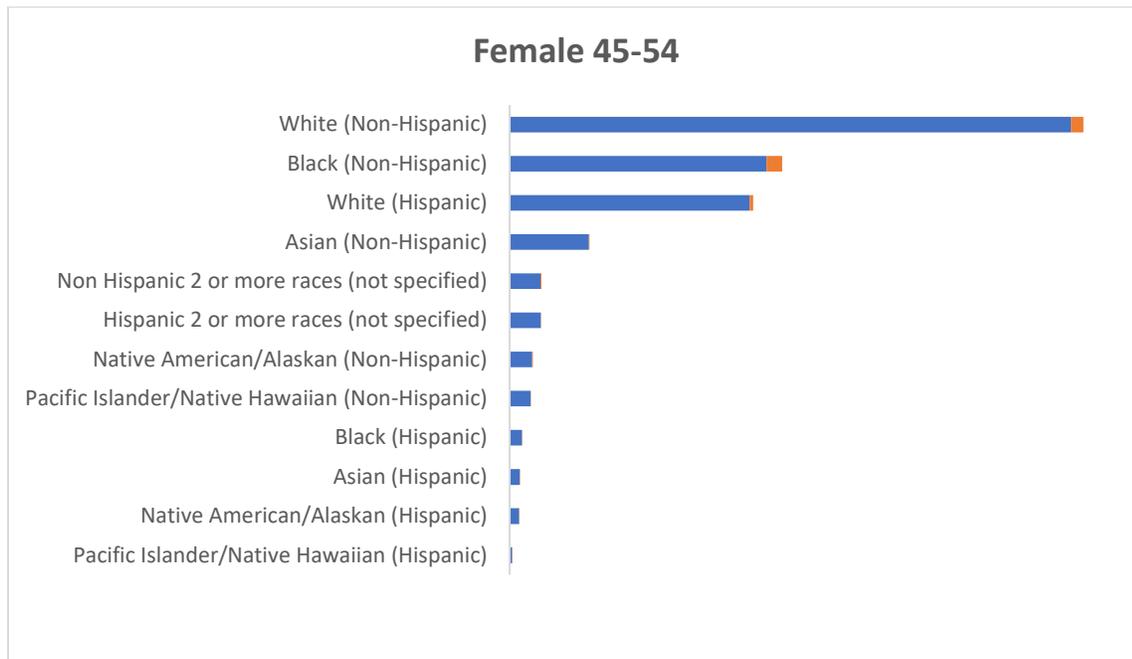
Table 8: Male, Aged 45-54

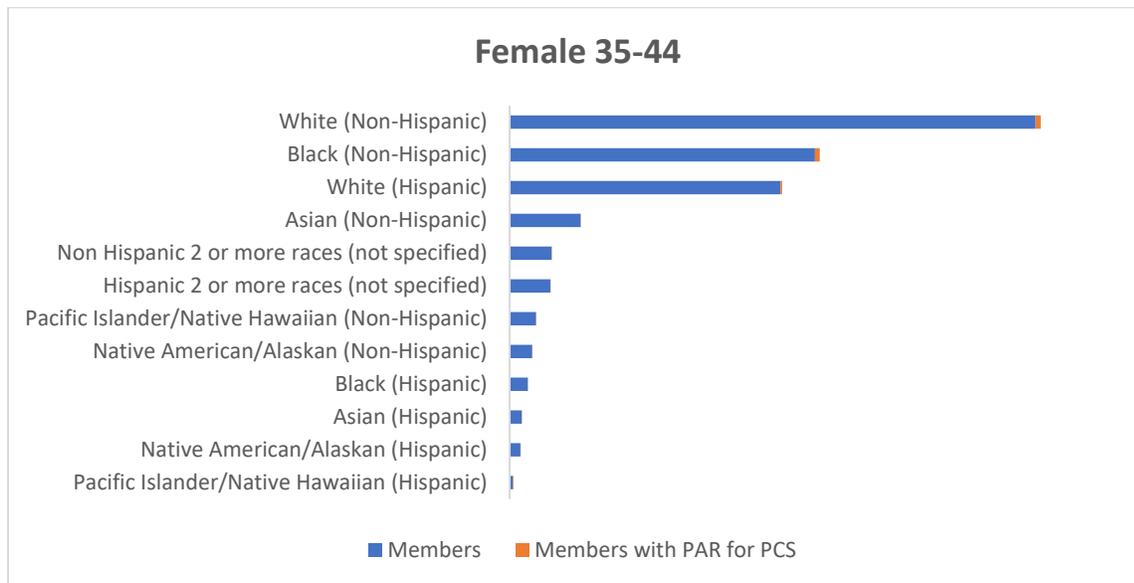| Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Black (Non-Hispanic)	7,368	245	3.3%
Black (Hispanic)	305	8	2.6%
Native American/Alaskan (Non-Hispanic)	441	7	1.6%
White (Hispanic)	5,199	77	1.5%
White (Non-Hispanic)	15,659	216	1.4%
Asian (Non-Hispanic)	1,740	23	1.3%
Non Hispanic 2 or more races (not specified)	854	9	1.1%
Pacific Islander/Native Hawaiian (Non-Hispanic)	490	4	0.8%
Hispanic 2 or more races (not specified)	733	5	0.7%
Native American/Alaskan (Hispanic)	251	1	0.4%
Average % of age group with approved PCS on PAR	33,040	595	2%

Chart 6: Male 45-54
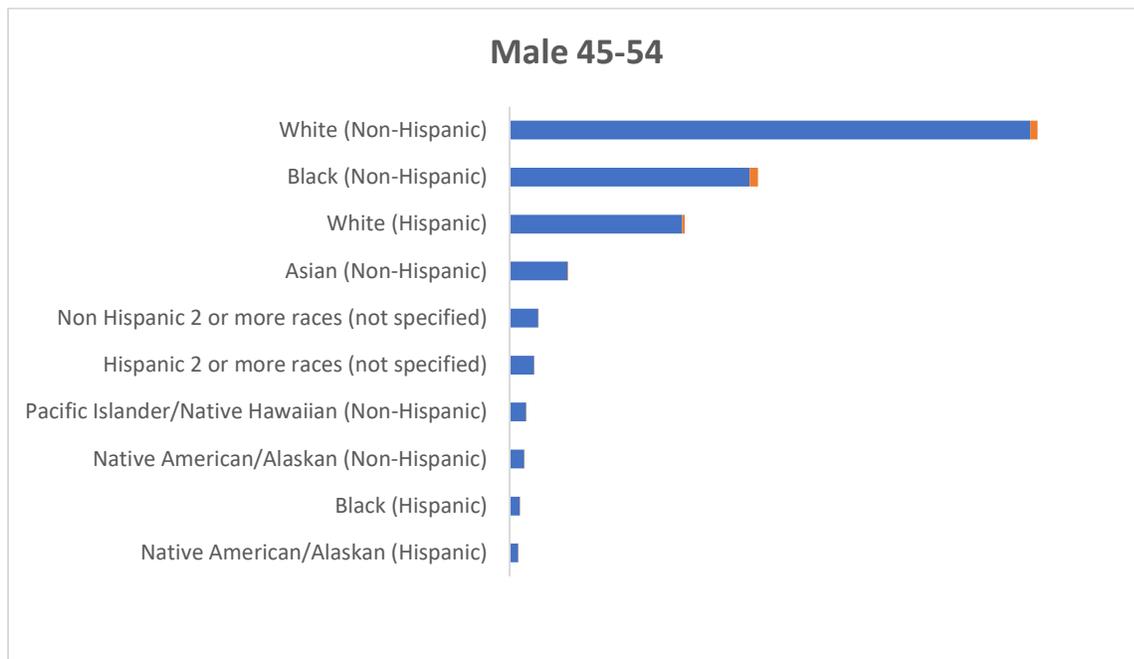
Table 9: Female, Aged 35-44

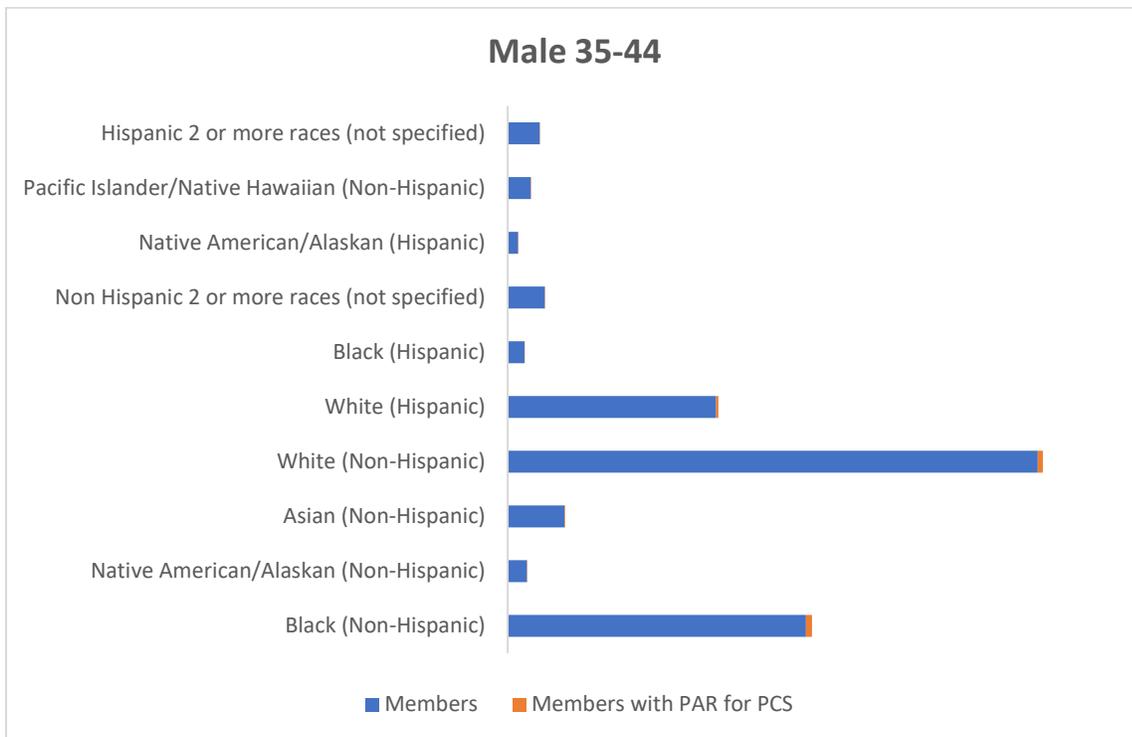| Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Black (Non-Hispanic)	12,727	194	1.5%
White (Non-Hispanic)	21,801	212	1.0%
Black (Hispanic)	748	6	0.8%
Pacific Islander/Native Hawaiian (Hispanic)	139	1	0.7%
Non Hispanic 2 or more races (not specified)	1,729	12	0.7%
Pacific Islander/Native Hawaiian (Non-Hispanic)	1,087	7	0.6%
Asian (Non-Hispanic)	2,928	18	0.6%
Asian (Hispanic)	492	3	0.6%
Hispanic 2 or more races (not specified)	1,676	10	0.6%
White (Hispanic)	11,187	62	0.6%
Native American/Alaskan (Non-Hispanic)	931	5	0.5%
Native American/Alaskan (Hispanic)	443	2	0.5%
Average % of age group with approved PCS on PAR	55,886	532	1%

Chart 7: Female 35-44

Table 10: Male, Aged 35-44

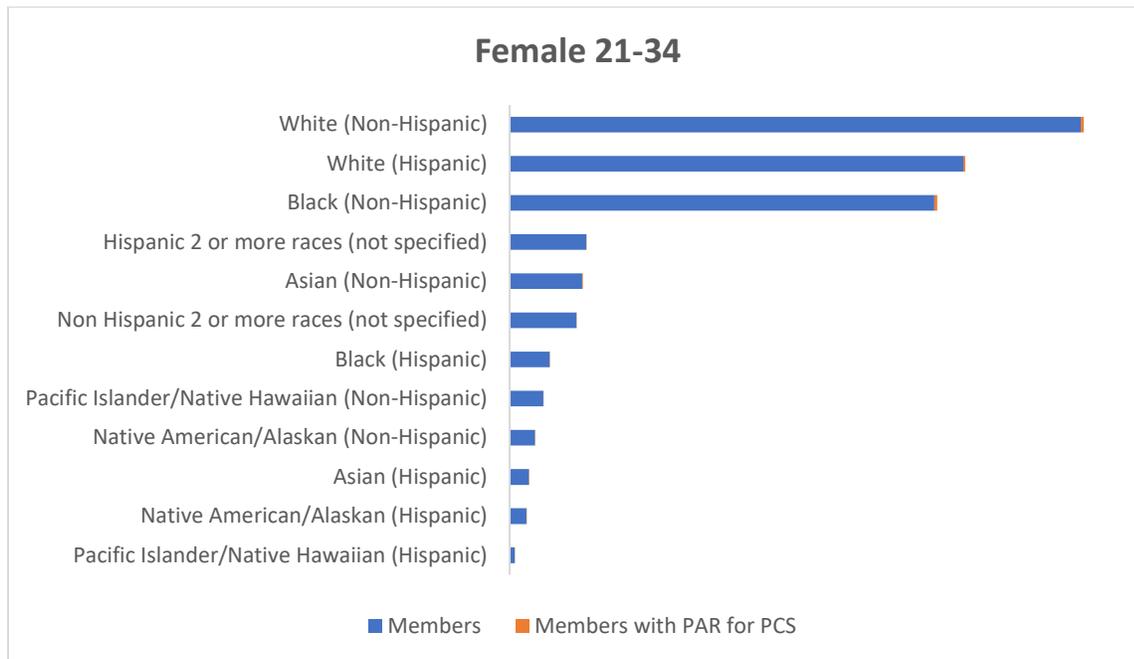| Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Black (Non-Hispanic)	10,035	204	2.0%
Native American/Alaskan (Non-Hispanic)	649	11	1.7%
Asian (Non-Hispanic)	1,898	21	1.1%
White (Non-Hispanic)	17,649	175	1.0%
White (Hispanic)	6,945	68	1.0%
Black (Hispanic)	561	5	0.9%
Non Hispanic 2 or more races (not specified)	1,238	11	0.9%
Native American/Alaskan (Hispanic)	343	3	0.9%
Pacific Islander/Native Hawaiian (Non-Hispanic)	762	3	0.4%
Hispanic 2 or more races (not specified)	1,065	4	0.4%
Average % of age group with approved PCS on PAR	41,144	505	1%

Chart 8: Male 35-44

Table 11: Female, Aged 21-34

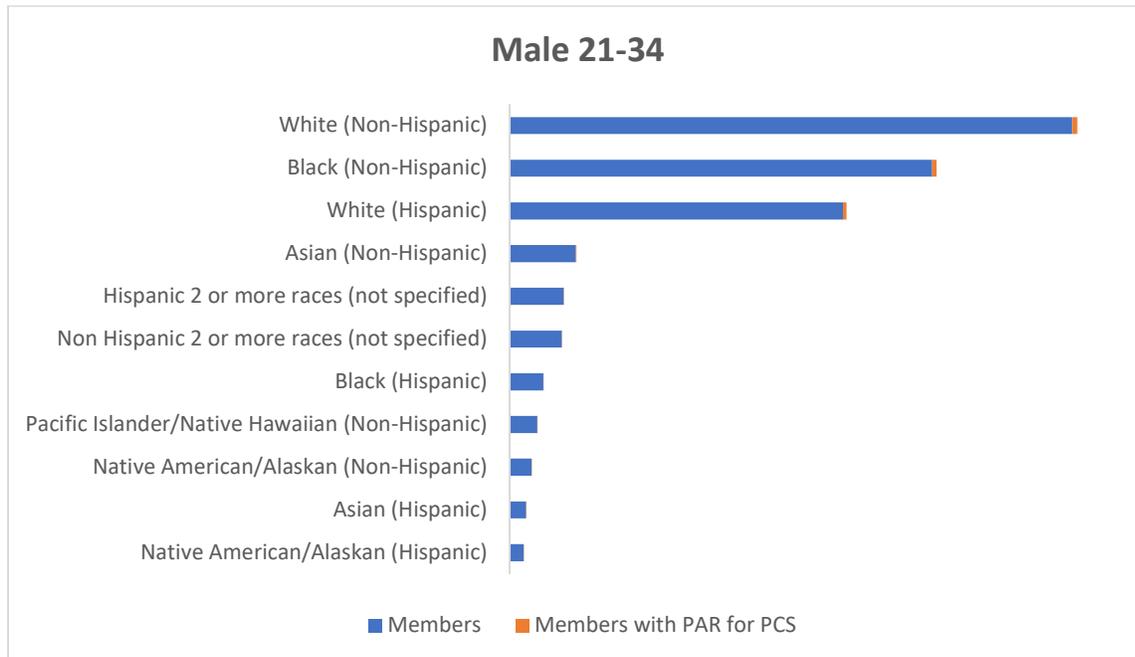| Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Black (Non-Hispanic)	24,576	160	0.7%
Asian (Non-Hispanic)	4,201	26	0.6%
White (Non-Hispanic)	32,988	170	0.5%
Non Hispanic 2 or more races (not specified)	3,861	19	0.5%
Native American/Alaskan (Non-Hispanic)	1,460	7	0.5%
White (Hispanic)	26,185	105	0.4%
Pacific Islander/Native Hawaiian (Hispanic)	287	1	0.3%
Black (Hispanic)	2,308	7	0.3%
Hispanic 2 or more races (not specified)	4,415	13	0.3%
Asian (Hispanic)	1,111	3	0.3%
Pacific Islander/Native Hawaiian (Non-Hispanic)	1,946	5	0.3%
Native American/Alaskan (Hispanic)	971	1	0.1%
Average % of age group with approved PCS on PAR	104,309	517	0.5%

Chart 9: Female 21-34

Female 21-34

(Members — blue; Members with PAR for PCS — orange)

Table 12: Male, Aged 21-34

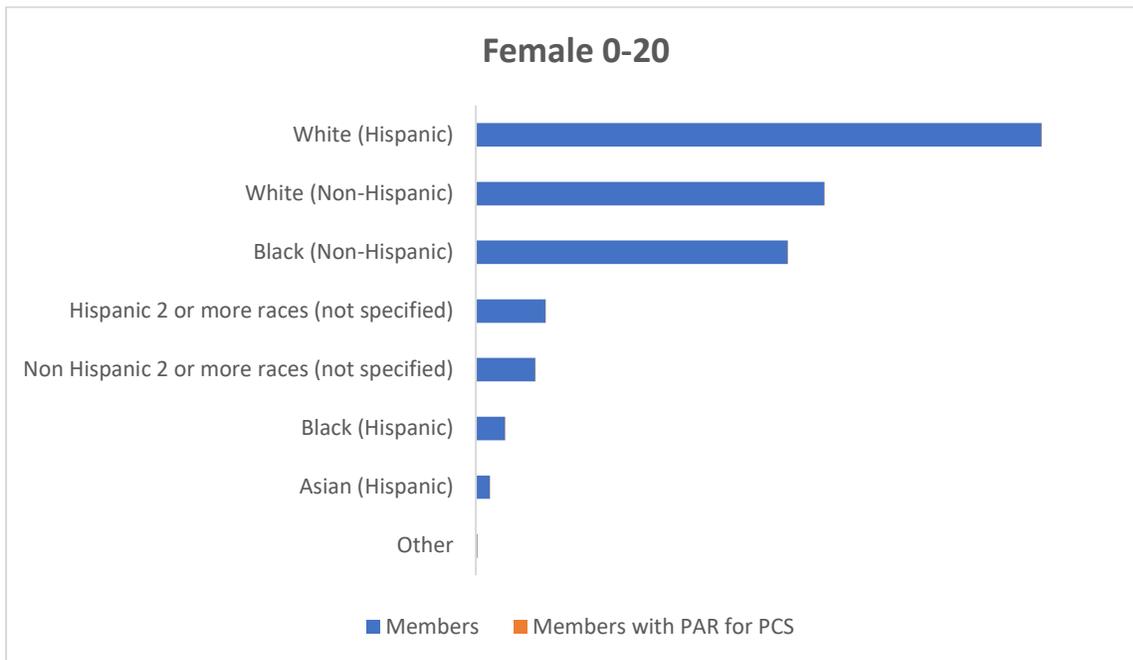| Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
White (Hispanic)	13,825	149	1.1%
Black (Non-Hispanic)	17,525	182	1.0%
Pacific Islander/Native Hawaiian (Non-Hispanic)	1,148	11	1.0%
White (Non-Hispanic)	23,308	218	0.9%
Asian (Non-Hispanic)	2,738	25	0.9%
Native American/Alaskan (Non-Hispanic)	910	8	0.9%
Non Hispanic 2 or more races (not specified)	2,152	16	0.7%
Hispanic 2 or more races (not specified)	2,234	15	0.7%
Black (Hispanic)	1,396	9	0.6%
Asian (Hispanic)	686	4	0.6%
Native American/Alaskan (Hispanic)	579	1	0.2%
Average % of age group with approved PCS on PAR	66,500	638	1.0%

Chart 10: Male 21-34

Table 13: Female, Aged 0-20

Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Other	205	1	
Black (Non-Hispanic)	38,990	43	
White (Non-Hispanic)	43,547	34	
White (Hispanic)	70,658	42	
Asian (Hispanic)	1,727	1	
Black (Hispanic)	3,660	2	
Non Hispanic 2 or more races (not specified)	7,434	2	
Hispanic 2 or more races (not specified)	8,695	1	
	174,916	126	

Chart 11: Female 0-20

Table 14: Male, Aged 0-20

Race	Avg Medicaid Pop	Member Count with approved PAR for PCS	% of population
Other	211	1	
Black (Non-Hispanic)	40,545	78	
Black (Hispanic)	3,793	6	
Native American/Alaskan (Hispanic)	1,338	2	
White (Non-Hispanic)	45,323	50	
Asian (Non-Hispanic)	6,462	6	
White (Hispanic)	72,782	54	
Asian (Hispanic)	1,722	1	
Hispanic 2 or more races (not specified)	8,674	4	
Native American/Alaskan (Non-Hispanic)	2,235	1	
Non Hispanic 2 or more races (not specified)	7,474	3	
	190,558	206	

Chart 12: Male 0-20
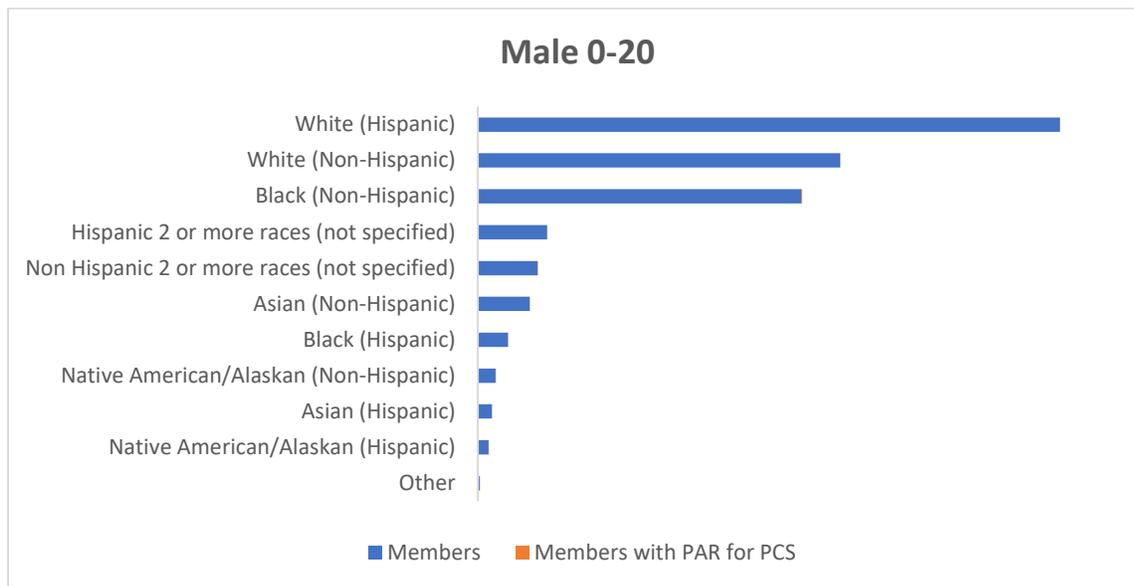
Medicaid Technical Notes:

Medicaid Data: The Division of Health Care Financing and Policy (DHCFP) data warehouse is comprised of claims data submitted by over 35,000 Medicaid providers from within Nevada and across the country. While DHCFP staff conscientiously make every effort to validate these data through continuous provider education and the use of highly experienced audit staff, the Division relies heavily on providers to submit accurate and complete information on Medicaid patients. It should therefore be understood by the users of DHCFP reports on disease morbidity and patient health that the data source for these reports are based solely on patient claims data and may not be a complete and comprehensive health record.