

Behavioral Health Utilization in the Medicaid Population in Las Vegas, Nevada

October, 2018



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Background and Purpose

The purpose of this brief is to quantify the utilization of behavioral health (BH) services in the Las Vegas Medicaid population. It summarizes the number of behavioral health patients and billing behavioral health providers in the region, a basic demographic profile of the population, Medicaid membership, calculated measures related to behavioral health member and provider ratios, a map of behavioral health provider density in Las Vegas by zip code, and a chart behavioral health utilization measures by zip code.

Claims data considered in this brief are from April 1st, 2017 to March 31st, 2018 and enrollment data are from March of 2018. This allowed for twelve complete months of claims history to be considered in the analysis

Technical Notes

Both Fee For Service and Managed Care data are included in this report.

There were 2,507 unique behavioral health related providers who actively saw patients from April 2017 to March 2018.

One provider can practice in multiple zip code areas.

Behavioral Health is defined by provider type codes 13, 14, 26, 63, and 82; provider type code 20 with specialty 146, and provider type code 17 with specialty 188.

<i>Provider Type Code</i>	<i>Specialty Code</i>
<i>13 Psychiatric Hospital, Inpatient</i>	<i>188 Certified Common Behavioral Health Clinics</i>
<i>14 Behavioral Health Outpatient</i>	<i>146 Psychiatry</i>
<i>17 Special Clinics</i>	
<i>20 Physician, M.D., Osteopath, D.O.</i>	
<i>26 Psychologist</i>	
<i>63 Residential Treatment Center</i>	
<i>82 Mental health Rehabilitative Treatment</i>	

Zip codes in Washoe County were determined from <https://nevada.hometownlocator.com/zip-codes/countyziips,scfips,32031,c,washoe.cfm>

Zip Codes with less than 10 behavioral health patients were combined into 'All Others'. These specific zip codes are:

<i>89155</i>	<i>89161</i>	<i>89159</i>	<i>89152</i>	<i>89111</i>	<i>89185</i>
<i>89160</i>	<i>89164</i>	<i>89195</i>	<i>89154</i>	<i>89158</i>	<i>89151</i>
<i>89150</i>	<i>89199</i>	<i>89177</i>	<i>89153</i>		

A visit is defined above as a unique combination of person and service date for behavioral health services.

BH Patients is a unique count of patients receiving service from a behavioral health provider by zip code of residence at the time of the service. Some patients moved within the timeframe and thus the sum of patients does not equal the unique total.

Medicaid Members is a unique count of members by zip code of residence. Some members moved within the timeframe and thus the sum of Medicaid Members does not equal the unique total. This was done to be consistent with how the zip code of the patients was determined.

BH Providers is a unique count of providers by service zip code. Some behavioral health providers provide services in multiple zip codes and thus the sum of provider does not equal the unique total.

BH Visits is a unique count of people and service days by service zip code. Multiple claims with multiple behavioral health providers in the same zip code on the same day count as a single visit.

BH Claims is a unique count of claims by the service zip code.

The Division of Health Care Financing and Policy (DHCFP) data warehouse is comprised of claims data submitted by over 28,000 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.

Behavioral Health Utilization in the Medicaid Population in Las Vegas, Nevada

Timeframe for claims data: 4/1/2017-3/31/2018

Timeframe for enrollment data: March 2018

Overall Behavioral Health Measures

Behavioral Health Patients	Medicaid Members	% of Medicaid Members with BH Claims	Behavioral Health Providers	Number of BH Patients per BH Provider	Total Number of Members per BH Provider
48,706	405,557	12%	2,507	19	162

In March of 2018 there were 405,557 Medicaid members in Las Vegas. When considering the previous 12 months (April 2017 - March of 2018), 48,706 Medicaid members had claims related to behavioral health (12%).

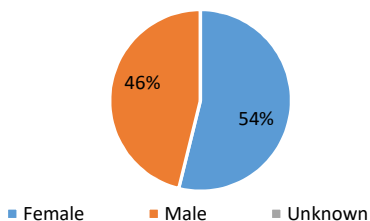
During this time period, there were 2,507 behavioral health providers. Therefore, there were approximately 19 behavioral health patient per behavioral health provider.

Approximately 54% of both Medicaid members overall and behavioral health patients were female, and about 46% were male.

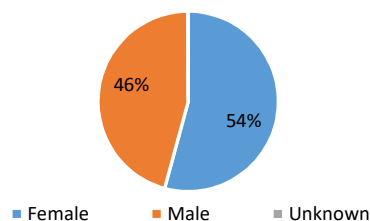
Patient/Member Counts by Gender

Gender	BH Patients	Percent	Age	Medicaid Members	Percent
Female	26,237	54%	Female	219,802	54%
Male	22,469	46%	Male	185,589	46%
Unknown	0	0%	Unknown	166	0%
Total	48,706	100%	Total	405,557	100%

BH Patient Counts by Gender



Medicaid Membership by Gender

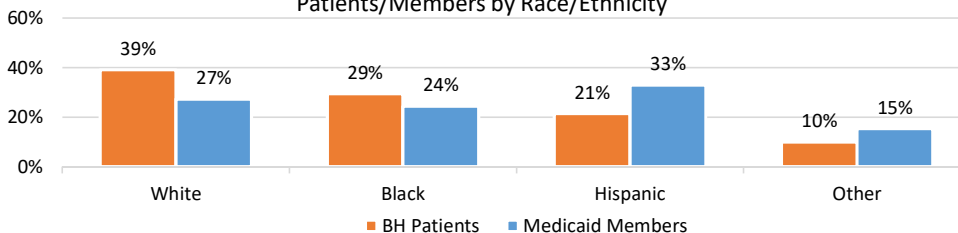


Las Vegas's Medicaid behavioral health patients had a different race/ethnicity distribution than Las Vegas's Medicaid members overall. Most notably, 39% of behavioral health patients were white non-Hispanic, while only 27% of Las Vegas's overall Medicaid members were White non-Hispanic and only 21% of behavioral health patients were Hispanic, while 33% of the Medicaid members were Hispanic.

Patient/Member Counts by Race

Race	BH Patients	Percent	Age	Medicaid Members	Percent
White	19,056	39%	White	110,860	27%
Black	14,323	29%	Black	98,892	24%
Hispanic	10,445	21%	Hispanic	133,555	33%
Other	4,882	10%	Other	62,250	15%
Total	48,706	100%	Total	405,557	100%

Patients/Members by Race/Ethnicity

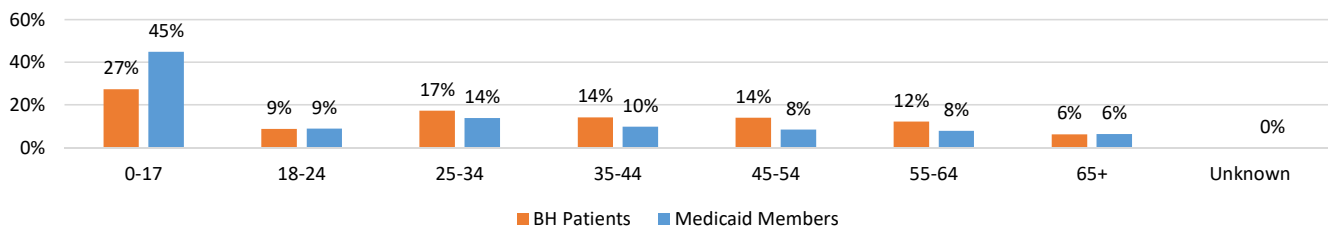


Las Vegas's Medicaid behavioral health patients also had a different age distribution than Las Vegas's Medicaid members overall. Most notably, only 27% of behavioral health patients were 0-17 years old, while 45% of Las Vegas's overall membership was 0-17 years old.

Patient/Member Counts by Age

Age	BH Patients	Percent	Age	Medicaid Members	Percent
0-17	13,366	27%	0-17	181,719	45%
18-24	4,271	9%	18-24	35,959	9%
25-34	8,408	17%	25-34	56,206	14%
35-44	6,886	14%	35-44	39,986	10%
45-54	6,808	14%	45-54	34,356	8%
55-64	5,949	12%	55-64	31,664	8%
65+	3,018	6%	65+	25,609	6%
Unknown	0	0%	Unknown	58	0%
Total	48,706	100%	Total	405,557	100%

Medicaid Membership and Behavioral Health Patients by Age Group

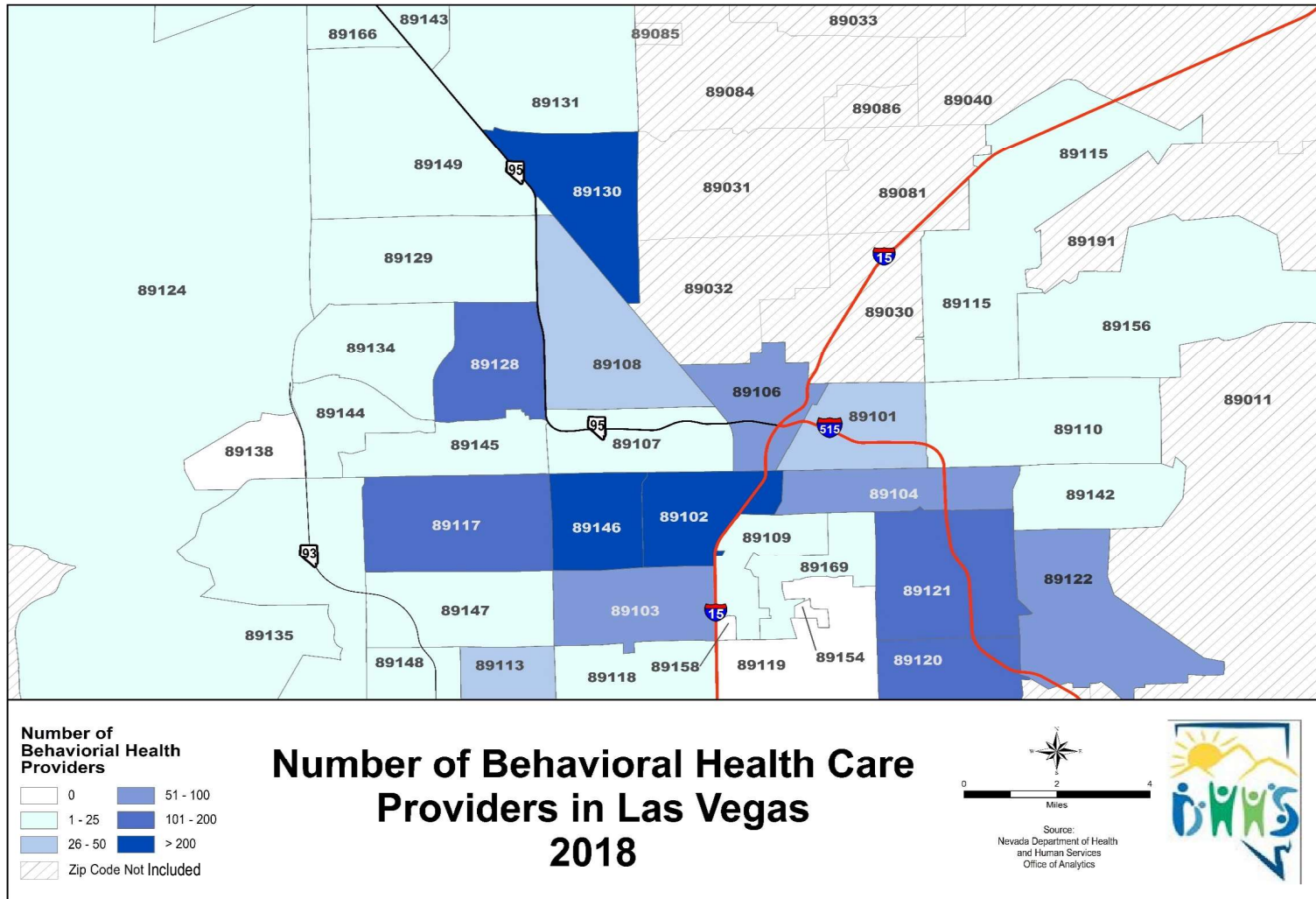


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Map of Behavioral Health Provider Density by Zip Code



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Behavioral Health Measures by Zip Code

Zip Code	BH Patients	Medicaid Members	BH Visits	BH Claims	BH Providers	% of Medicaid Members with BH Claims	Average Number of BH Visits/Patient	Average Number of BH Claims/Patient	Average Number of BH Patients/Provider
89101	3,513	20,321	105,643	141,427	34	17%	30	40	103
89108	2,970	25,740	59,202	76,445	38	12%	20	26	78
89115	2,952	28,502	72,641	96,639	15	10%	25	33	197
89106	2,820	16,368	87,981	117,822	78	17%	31	42	36
89121	2,622	23,513	53,710	70,702	136	11%	20	27	19
89104	2,571	16,890	73,447	97,716	54	15%	29	38	48
89110	2,398	26,256	54,490	70,422	14	9%	23	29	171
89119	2,064	16,809	43,005	58,594	152	12%	21	28	14
89122	1,932	16,059	38,863	53,488	67	12%	20	28	29
89107	1,733	14,052	39,351	51,317	20	12%	23	30	87
89102	1,690	13,831	38,146	50,973	202	12%	23	30	8
89103	1,371	13,878	22,118	31,951	80	10%	16	23	17
89169	1,342	10,415	25,677	33,757	23	13%	19	25	58
89117	1,141	9,810	17,140	23,085	154	12%	15	20	7
89129	1,113	9,168	20,091	26,612	25	12%	18	24	45
89156	1,085	10,516	19,542	26,169	2	10%	18	24	543
89147	1,045	10,671	15,305	20,605	15	10%	15	20	70
89142	1,025	10,746	21,606	28,557	1	10%	21	28	1025
89123	1,024	9,134	17,597	22,994	57	11%	17	22	18
89146	1,005	6,213	21,280	30,905	570	16%	21	31	2
89130	960	6,647	18,615	24,613	364	14%	19	26	3
89128	933	8,196	16,306	21,479	106	11%	17	23	9
89148	864	9,081	16,180	21,673	25	10%	19	25	35
89131	730	5,541	15,737	19,721	3	13%	22	27	243
89183	729	6,652	12,733	16,158	2	11%	17	22	365
89149	705	5,236	14,856	18,947	4	13%	21	27	176
89145	681	5,229	10,114	13,578	19	13%	15	20	36
89120	665	5,668	13,302	17,530	154	12%	20	26	4
89139	534	7,071	11,815	15,726	1	8%	22	29	534
89109	516	2,454	11,327	15,314	12	21%	22	30	43
89118	473	4,600	6,584	8,907	8	10%	14	19	59
89165	433	2,469	5,314	8,296	0	18%	12	19	no BH providers
89113	432	4,628	6,247	8,343	47	9%	14	19	9
89178	432	4,756	6,132	8,133	2	9%	14	19	216
89141	365	3,848	6,642	8,830	3	9%	18	24	122
89144	248	1,777	5,704	8,184	3	14%	23	33	83
89166	237	2,084	3,533	4,625	3	11%	15	20	79
89143	223	1,844	3,425	4,612	1	12%	15	21	223
89134	191	1,535	1,830	2,582	15	12%	10	14	13
89135	184	1,929	2,187	2,734	5	10%	12	15	37
89138	87	993	786	983	0	9%	9	11	no BH providers
89179	80	982	1,131	1,524	3	8%	14	19	27
89180	64	198	694	806	0	32%	11	13	no BH providers
89125	52	210	1,348	2,169	0	25%	26	42	no BH providers
89105	49	216	1,501	1,737	0	23%	31	35	no BH providers
89112	45	314	688	1,067	0	14%	15	24	no BH providers
89127	44	211	1,029	1,409	0	21%	23	32	no BH providers
89133	29	214	274	333	0	14%	9	11	no BH providers
89162	29	164	550	769	0	18%	19	27	no BH providers
89124	26	141	262	410	2	18%	10	16	13
89116	23	193	291	346	0	12%	13	15	no BH providers
89136	23	118	314	376	0	19%	14	16	no BH providers
89170	23	176	729	811	0	13%	32	35	no BH providers
89157	22	166	250	360	0	13%	11	16	no BH providers
89173	21	152	226	290	0	14%	11	14	no BH providers
89114	20	117	233	291	0	17%	12	15	no BH providers
89140	20	124	633	845	0	16%	32	42	no BH providers
89126	19	144	309	415	0	13%	16	22	no BH providers
89132	18	100	210	286	1	18%	12	16	18
89193	18	149	159	197	3	12%	9	11	6
89137	12	76	90	98	0	16%	8	8	no BH providers
All Others	31	262	491	656	0	12%	16	21	no BH providers
Total	48,706	405,557	1,047,616	1,396,343	2,507	12%	22	29	19