

# PRESCRIPTION DRUG UTILIZATION DATA, 2002 THROUGH 2022 - PSYCHOTROPIC ANALYSIS

Niklas Kleinworth - November 14, 2022

YEAR	TOTAL ENROLLMENT	TOTAL CLAIMS	UNIQUE PSYCH DRUGS	TOTAL PSYCH CLAIMS	PSYCH CLAIM %	TOTAL SPENDING	TOTAL PSYCH SPENDING	PSYCH SPENDING %
2002	-	2,068,196	66	347,947	16.82%	\$102,352,658	\$30,805,715	30.10%
2003	-	2,318,514	69	399,488	17.23%	\$122,502,890	\$36,316,156	29.65%
2004	-	2,329,015	68	419,606	18.02%	\$138,151,122	\$40,618,373	29.40%
2005	-	2,225,598	64	398,907	17.92%	\$134,465,386	\$40,494,921	30.12%
2006	-	1,475,741	64	310,484	21.04%	\$93,985,272	\$31,300,521	33.30%
2007	-	1,419,628	62	306,402	21.58%	\$94,375,320	\$32,768,638	34.72%
2008	-	1,429,838	61	257,936	18.04%	\$100,232,566	\$26,135,915	26.08%
2009	-	1,583,438	63	271,914	17.17%	\$104,827,444	\$24,925,303	23.78%
2010	-	1,864,219	65	341,430	18.31%	\$117,375,679	\$31,363,340	26.72%
2011	-	1,993,891	67	359,324	18.02%	\$129,597,488	\$33,501,905	25.85%
2012	-	2,078,094	68	393,578	18.94%	\$133,959,249	\$34,243,350	25.56%
2013	239,459	2,062,322	69	352,483	17.09%	\$133,761,329	\$31,626,373	23.64%
2014	252,871	2,113,823	70	364,941	17.26%	\$152,506,148	\$36,970,434	24.24%
2015	277,483	2,156,013	66	365,287	16.94%	\$176,370,889	\$41,556,601	23.56%
2016	288,377	2,189,572	70	382,516	17.47%	\$188,687,575	\$41,313,448	21.90%
2017	301,018	2,264,899	68	379,304	16.75%	\$191,115,429	\$30,773,975	16.10%
2018	291,731	2,301,535	67	373,426	16.23%	\$204,858,494	\$28,525,730	13.92%
2019	280,715	2,260,628	69	373,557	16.52%	\$209,785,859	\$28,696,612	13.68%
*2020	338,799	3,314,796	67	584,956	17.65%	\$332,403,359	\$41,771,632	12.57%
2021	379,988	3,895,233	69	710,463	18.24%	\$449,531,282	\$61,629,545	13.71%
**2022	398,875	1,069,830	62	987,709	18.21%	\$131,259,841	\$18,034,071	13.74%

\*Medicaid expansion took effect at the same time the COVID-19 pandemic began in 2020. \*\*These values are incomplete as only first quarter figures have been submitted to CMS at the time this data was analyzed.

YEAR	CPI	TOTAL SPENDING (CPI ADJUSTED)	PSYCH SPENDING (CPI ADJUSTED)	YEAR-OVER-YEAR CPI ADJUSTED TOTAL	YEAR-OVER-YEAR CPI ADJUSTED PSYCH SPEND	POPULATION ADJUSTED TOTAL CLAIMS	POPULATION ADJUSTED PSYCH CLAIMS	POPULATION ADJUSTED TOTAL SPEND	POPULATION ADJUSTED PSYCH SPEND
2002	179.9	\$164,025,966	\$49,367,914	-	-	-	-	-	-
2003	184.0	\$191,943,387	\$56,901,890	17.02%	15.26%	-	-	-	-
2004	188.9	\$210,846,843	\$61,991,938	9.85%	8.95%	-	-	-	-
2005	195.3	\$198,496,522	\$59,778,217	-5.86%	-3.57%	-	-	-	-
2006	201.6	\$134,404,533	\$44,761,608	-32.29%	-25.12%	-	-	-	-
2007	207.3	\$131,251,350	\$45,572,592	-2.35%	1.81%	-	-	-	-
2008	215.3	\$134,217,598	\$34,997,604	2.26%	-23.20%	-	-	-	-
2009	214.5	\$140,893,949	\$33,501,002	4.97%	-4.28%	-	-	-	-
2010	218.1	\$155,155,471	\$41,458,281	10.12%	23.75%	-	-	-	-
2011	224.9	\$166,131,417	\$42,946,195	7.07%	3.59%	-	-	-	-
2012	229.6	\$168,207,541	\$42,998,074	1.25%	0.12%	-	-	-	-
2013	233.0	\$165,508,116	\$39,132,547	-1.60%	-8.99%	3,435,280	587,143	\$275,692,498	\$65,184,414
2014	236.7	\$185,752,102	\$45,029,895	12.23%	15.07%	3,334,313	575,653	\$293,002,636	\$71,029,494
2015	237.0	\$214,547,372	\$50,551,765	15.50%	12.26%	3,099,216	525,091	\$308,406,580	\$72,666,921
2016	240.0	\$226,660,949	\$49,627,780	5.65%	-1.83%	3,028,555	529,085	\$313,511,085	\$68,643,757
2017	245.1	\$224,800,401	\$36,198,029	-0.82%	-27.06%	3,001,188	502,611	\$297,880,060	\$47,965,533
2018	251.1	\$235,207,900	\$32,751,764	4.63%	-9.52%	3,146,819	510,574	\$321,592,670	\$44,780,499
2019	255.7	\$236,532,120	\$32,355,234	0.56%	-1.21%	3,212,183	530,797	\$336,094,436	\$45,974,365
*2020	258.8	\$370,293,232	\$46,533,082	56.55%	43.82%	3,902,577	688,681	\$435,953,805	\$54,784,350
2021	271.0	\$478,228,297	\$65,563,830	29.15%	40.90%	4,088,842	745,776	\$501,998,253	\$68,822,628
**2022	288.3	\$683,147,849	\$93,335,546	-72.55%	-72.49%	4,625,827	887,605	\$614,599,257	\$84,234,572
Pre 2020 CAGR	1%	2%	-1%	-	-	-1%	-1%	3%	-5%
Post 2020 CAGR	4%	23%	26%	-	-	6%	9%	12%	15%

\*Medicaid expansion took effect at the same time the COVID-19 pandemic began in 2020. \*\*These values are incomplete as only first quarter figures have been submitted to CMS at the time this data was analyzed. 2022 data was estimated using the average growth rate from 2019 to 2021.

## SOURCE LINKS

**2002:** [https://data.medicaid.gov/dataset/f3144e50-5f27-5e2c-acbb-1962a2aeae55/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/f3144e50-5f27-5e2c-acbb-1962a2aeae55/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2003:** [https://data.medicaid.gov/dataset/17169c68-671e-5fc3-ae52-73c1dc97aafb/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=id&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/17169c68-671e-5fc3-ae52-73c1dc97aafb/data?conditions[0][property]=state&conditions[0][value]=id&conditions[0][operator]=%3D)

**2004:** [https://data.medicaid.gov/dataset/4d88c014-8989-5a88-bd21-17c1beed0dd3/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=id&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/4d88c014-8989-5a88-bd21-17c1beed0dd3/data?conditions[0][property]=state&conditions[0][value]=id&conditions[0][operator]=%3D)

**2005:** [https://data.medicaid.gov/dataset/5b10a5b4-dabe-5419-99d8-043df47b8e4b/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=id&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/5b10a5b4-dabe-5419-99d8-043df47b8e4b/data?conditions[0][property]=state&conditions[0][value]=id&conditions[0][operator]=%3D)

**2006:** [https://data.medicaid.gov/dataset/0a2ec693-b322-54fb-a950-dfcdc873e3cf/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/0a2ec693-b322-54fb-a950-dfcdc873e3cf/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2007:** [https://data.medicaid.gov/dataset/bb63ad8e-cab1-56e3-b492-da95d7e8cc5f/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/bb63ad8e-cab1-56e3-b492-da95d7e8cc5f/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2008:** [https://data.medicaid.gov/dataset/89de7fb8-b9ef-52fb-badc-ffc1128a9ada/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/89de7fb8-b9ef-52fb-badc-ffc1128a9ada/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2009:** [https://data.medicaid.gov/dataset/737f7186-b4d5-5272-a997-0ee94f4d4c3b/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/737f7186-b4d5-5272-a997-0ee94f4d4c3b/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2010:** [https://data.medicaid.gov/dataset/1db0f12c-e4d6-5a70-8c1b-5af9635999be/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/1db0f12c-e4d6-5a70-8c1b-5af9635999be/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2011:** [https://data.medicaid.gov/dataset/138872f1-b1ba-5e05-be13-8be200306a58/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/138872f1-b1ba-5e05-be13-8be200306a58/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2012:** [https://data.medicaid.gov/dataset/992936b2-2a72-5df6-a734-a56a8631b87a/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=id&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/992936b2-2a72-5df6-a734-a56a8631b87a/data?conditions[0][property]=state&conditions[0][value]=id&conditions[0][operator]=%3D)

**2013:** [https://data.medicaid.gov/dataset/6a91f80f-e2fd-5f43-8e38-afcebebb8387/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/6a91f80f-e2fd-5f43-8e38-afcebebb8387/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2014:** [https://data.medicaid.gov/dataset/a9cfe5e9-d7d8-5b87-a7db-b45a7daf84fc/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/a9cfe5e9-d7d8-5b87-a7db-b45a7daf84fc/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2015:** [https://data.medicaid.gov/dataset/2fed5758-5fd6-5dbb-8f92-34b3a0c3c8dd/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/2fed5758-5fd6-5dbb-8f92-34b3a0c3c8dd/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2016:** [https://data.medicaid.gov/dataset/53cf9f05-97e3-5bd6-a237-bc971e3642d9/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/53cf9f05-97e3-5bd6-a237-bc971e3642d9/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2017:** [https://data.medicaid.gov/dataset/776a3880-a62d-5990-8b40-4406e6861dbb/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=id&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/776a3880-a62d-5990-8b40-4406e6861dbb/data?conditions[0][property]=state&conditions[0][value]=id&conditions[0][operator]=%3D)

**2018:** [https://data.medicaid.gov/dataset/a1f3598e-fc71-51aa-8560-78e7e1a61b09/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/a1f3598e-fc71-51aa-8560-78e7e1a61b09/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2019:** [https://data.medicaid.gov/dataset/daba7980-e219-5996-9bec-90358fd156f1/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/daba7980-e219-5996-9bec-90358fd156f1/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2020:** [https://data.medicaid.gov/dataset/cc318bfb-a9b2-55f3-a924-d47376b32ea3/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/cc318bfb-a9b2-55f3-a924-d47376b32ea3/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2021:** [https://data.medicaid.gov/dataset/eec7fbe6-c4c4-5915-b3d0-be5828ef4e9d/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/eec7fbe6-c4c4-5915-b3d0-be5828ef4e9d/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)

**2022:** [https://data.medicaid.gov/dataset/200c2cba-e58d-4a95-aa60-14b99736808d/data?conditions\[0\]\[property\]=state&conditions\[0\]\[value\]=ID&conditions\[0\]\[operator\]=%3D](https://data.medicaid.gov/dataset/200c2cba-e58d-4a95-aa60-14b99736808d/data?conditions[0][property]=state&conditions[0][value]=ID&conditions[0][operator]=%3D)