

# Pharmacy Demand Report (PDR) 2022 Yearly Summary



The Pharmacy Workforce Center (PWC) developed the Pharmacy Demand Report (PDR) to replace the Pharmacy Demand Index (PDI) in 2020. The goal of the PDR is to provide an enhanced measurement of pharmacist demand in the United States.

The information should be utilized by the pharmacy profession and other stakeholders to assess and follow the trends for various career opportunities for pharmacists and pharmacy technicians on an individual state, region, and metropolitan area level. In September 2020, the PWC released the inaugural version of the PDR. Now, finishing its third year, the PDR has 4 full years (2019–2022) of reportable data.

This yearly summary report will provide insights and draw comparisons to the 2021 year-end report, which is available on the PDR Homepage on the AACP Website.

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Clinical Pharmacy

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Association

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# Regional Summary

## Pharmacists

	Q1 2021	Q1 2022	Q1 % Change	Q2 2021	Q2 2022	Q2 % Change	Q3 2021	Q3 2022	Q3 % Change	Q4 2021	Q4 2022	Q4 % Change	Total 2021	Total 2022	Total % Change
Northeast	2,770	2,503	-10%	2,657	3,253	22%	2,897	3,900	35%	2,562	3,074	20%	10,886	12,730	17%
South	5,526	5,401	-2%	4,910	6,195	26%	5,920	6,313	7%	5,668	5,750	1%	22,024	23,659	7%
Midwest	3,391	3,409	1%	3,017	3,712	23%	3,524	4,026	14%	3,608	3,918	9%	13,540	15,065	11%
West	3,546	3,856	9%	4,074	4,430	9%	4,018	4,628	15%	3,963	4,620	17%	15,601	17,534	12%
Total:	15,233	15,169	0%	14,658	17,590	20%	16,359	18,867	15%	15,801	17,362	10%	62,051	68,988	11%

The regional summary charts shows growth in pharmacist job postings in almost every quarter in 2022, compared to the respective quarter in 2021. The exception being the Northeast and South in Q1, which saw a 10% and 2% loss respectively. The quarter with the most significant growth in 2022 was Q2.

The pharmacist profession saw an 11% growth in job postings in 2022, with the largest growth region being the Northeast (17%) and the smallest growth region being the South (7%). The massive growth out of the COVID-19 pandemic has appeared to subside, leading to more consistent growth across regions.

## Pharmacy Technicians

	Q1 2021	Q1 2022	Q1 % Change	Q2 2021	Q2 2022	Q2 % Change	Q3 2021	Q3 2022	Q3 % Change	Q4 2021	Q4 2022	Q4 % Change	Total 2021	Total 2022	Total % Change
Northeast	5,066	5,383	6%	6,239	5,918	-5%	5,791	5,824	1%	6,339	6,033	-5%	23,435	23,158	-1%
South	12,443	14,597	17%	13,326	13,941	5%	13,263	13,767	4%	15,532	13,311	-14%	54,564	55,616	2%
Midwest	7,648	9,702	27%	8,591	9,367	9%	9,064	9,981	10%	10,176	9,453	-7%	35,479	38,503	9%
West	8,160	9,146	12%	8,991	9,755	8%	8,343	8,807	6%	9,653	8,730	-10%	35,147	36,438	4%
Total:	33,317	38,828	17%	37,147	38,981	5%	36,461	38,379	5%	41,700	37,527	-10%	148,625	153,715	3%

The regional summary charts shows growth in Pharmacy Technician job postings in Q1, Q2, and Q3 in 2022, compared to the respective quarter in 2021. The exception being the Northeast Q2, which saw a 5% loss. Q4 showed a loss in all four regions, with an overall loss of 10%. The quarter with the most significant growth in 2022 was Q1.

Pharmacy Technicians saw a 3% growth in job postings in 2022, with the largest growth region being the Midwest (9%) and the smallest growth region being the Northeast (-1%) 2022 Q1 with show if the Pharmacy Technician bounces back from Q4.

# Data Highlights: Pharmacists

## Occupation with Largest Growth: Hospital Pharmacists

State	2021 Postings	2021 Postings Quotient	2022 Postings	2022 Postings Quotient	Postings Quotient Change*
District of Columbia	1	0.49	5	2.46	<b>400%</b>
North Dakota	12	5.36	53	21.80	<b>307%</b>
Wisconsin	46	5.14	166	18.56	<b>261%</b>
Wyoming	7	4.87	24	16.53	<b>239%</b>
West Virginia	12	2.17	30	5.21	<b>140%</b>
Louisiana	51	5.47	120	12.54	<b>129%</b>
Oregon	41	4.55	82	9.39	<b>106%</b>
Hawaii	12	4.90	23	9.38	<b>92%</b>
Washington	86	7.84	149	13.54	<b>73%</b>
Idaho	28	7.73	50	12.78	<b>65%</b>

### Occupation with the Largest Growth

While all positions across the profession saw overall positive growth, the Hospital Pharmacist position experienced the most in 2022. Overall, there was a total of 3,502 postings. When compared to the 2,991 postings in 2021, that is a growth of 17%. In total, 29 states had growth, 20 states had a loss, and 2 states remained the same. Last year, the Hospital Pharmacists saw the smallest growth out of all pharmacist occupations.

## Occupation with Smallest Growth: Clinical Pharmacists

State	2021 Postings	2021 Postings Quotient	2022 Postings	2022 Postings Quotient	Postings Quotient Change*
Puerto Rico	4	0.75	1	0.19	<b>-75%</b>
Colorado	86	9.49	37	4.17	<b>-56%</b>
Louisiana	82	8.80	41	4.28	<b>-51%</b>
Utah	47	11.04	25	5.87	<b>-47%</b>
Michigan	88	5.22	53	3.14	<b>-40%</b>
North Dakota	24	10.72	16	6.58	<b>-39%</b>
Nevada	72	9.33	45	5.83	<b>-38%</b>
Nebraska	23	4.19	15	2.73	<b>-35%</b>
Georgia	78	5.13	51	3.35	<b>-35%</b>
Rhode Island	15	6.86	10	4.58	<b>-33%</b>

### Occupation with the Smallest Growth

While experiencing overall growth, the Clinical Pharmacist position saw a loss in the most states (when compared to other positions). Overall, there was a total of 3,339 postings. When compared to the 3,200 postings in 2021, that is a growth of 4%. In total, 26 states had growth and 26 states saw a loss.

## Pharmacist Profession Postings: Largest Growth

State	2021 Postings	2021 Postings Quotient	2022 Postings	2022 Postings Quotient	Postings Quotient Change*
Wyoming	85	59.15	162	111.57	<b>89%</b>
Maine	258	110.12	399	170.29	<b>55%</b>
West Virginia	299	54.15	467	81.08	<b>50%</b>
Massachusetts	1673	119.25	2459	168.95	<b>42%</b>
Wisconsin	1055	117.98	1427	159.58	<b>35%</b>
Oregon	1014	112.59	1329	152.11	<b>35%</b>
Connecticut	889	160.32	1189	214.43	<b>34%</b>
Washington	1629	148.51	2154	195.80	<b>32%</b>
Vermont	208	169.52	305	217.24	<b>28%</b>
New Hampshire	397	140.43	506	178.99	<b>27%</b>

### Growth and Loss of the Entire Pharmacist Profession

In 2022, the Pharmacist Profession postings increased in 37 states, decreased in 14 states (including DC and Puerto Rico), and remained the same in New York. The growth in postings in 2021 was large, likely due to in part to a bounce back from the COVID-19 pandemic, and 2022 is trending in a positive direction.

## Pharmacist Profession Postings: Greatest Loss

State	2021 Postings	2021 Postings Quotient	2022 Postings	2022 Postings Quotient	Postings Quotient Change*
Puerto Rico	156	29.21	65	12.17	<b>-58%</b>
Alaska	316	315.37	205	204.59	<b>-35%</b>
Mississippi	544	83.18	422	62.16	<b>-25%</b>
Utah	420	98.66	338	79.40	<b>-20%</b>
Montana	375	170.45	336	146.85	<b>-14%</b>
Hawaii	265	108.12	231	94.25	<b>-13%</b>
District of Columbia	205	100.69	180	88.41	<b>-12%</b>
Alabama	1116	116.18	1034	107.64	<b>-7%</b>
Minnesota	1177	128.27	1127	120.48	<b>-6%</b>
Delaware	321	132.92	306	126.71	<b>-5%</b>

\*To determine the change, a comparison was made of the difference in the posting quotient in each state from 2021 to 2022. The postings quotient is the number of job postings per 1,000 licensed pharmacists.

# Data Highlights: Pharmacy Technicians

## Pharmacist Technician Postings: Largest Growth

State	2021 Postings	2021 Postings Quotient	2022 Postings	2022 Postings Quotient	Postings Quotient Change*
Maine	391	171.49	811	355.70	<b>107%</b>
Vermont	194	277.14	365	521.43	<b>88%</b>
Wyoming	147	262.50	225	401.79	<b>53%</b>
North Dakota	192	218.18	253	287.50	<b>32%</b>
Missouri	2503	249.55	3282	327.22	<b>31%</b>
New Hampshire	755	401.60	984	523.40	<b>30%</b>
Oklahoma	1467	301.23	1866	383.16	<b>27%</b>
Wisconsin	2822	340.41	3521	424.73	<b>25%</b>
District of Columbia	297	450.00	370	560.61	<b>25%</b>
Kansas	1435	335.28	1787	417.52	<b>25%</b>

## Pharmacist Technician Postings: Greatest Loss

State	2021 Postings	2021 Postings Quotient	2022 Postings	2022 Postings Quotient	Postings Quotient Change*
Puerto Rico	132	24.91	31	5.85	<b>-77%</b>
Indiana	4278	436.98	3714	379.37	<b>-13%</b>
Hawaii	545	294.59	479	258.92	<b>-12%</b>
Pennsylvania	5866	310.37	5163	273.17	<b>-12%</b>
Alaska	330	540.98	293	480.33	<b>-11%</b>
New Jersey	4409	423.94	3929	377.79	<b>-11%</b>
Arizona	5104	551.78	4715	509.73	<b>-8%</b>
New York	5906	311.33	5462	287.93	<b>-8%</b>
Michigan	6561	468.98	6142	439.03	<b>-6%</b>
Colorado	3698	647.64	3464	606.65	<b>-6%</b>

### Growth and Loss of Pharmacist Technicians

In 2022, there were 153,746 Pharmacy Technician postings. When compared to the 148,757 postings in 2021, this is a growth of 3%. Overall, Pharmacy Technician postings saw growth in 35 states, a loss in 15 states, and 2 states remained the same.

\*To determine the change, a comparison was made of the difference in the posting quotient in each state from 2020 to 2021. The postings quotient is the number of job postings per 1,000 licensed pharmacists.

# Data Highlights: Top 10 Employer Job Listings

## Pharmacists Profession

Employer	2021 Postings	2022 Postings	Percent Change
CVS Health	16,960	18,011	6%
Walgreens Boots Alliance Inc	12,029	8,685	-28%
Walmart / Sam's	5,897	3,944	-33%
Rite Aid Corporation	2,022	586	-71%
UnitedHealth Group	1,087	1,010	-7%
Anthem Blue Cross	987	2,857	189%
Department of Veterans Affairs	832	956	15%
Humana	827	1,074	30%
Hospital Corporation of America	820	807	-2%
Talent4Health	816	-	-

## Pharmacy Technicians

Employer	2021 Postings	2022 Postings	Percent Change
Walgreens Boots Alliance Inc	17,498	11,948	-32%
Walmart / Sam's	16,527	9,474	-43%
CVS Health	12,744	25,069	97%
Kroger Company	3,096	4,574	48%
Rite Aid Corporation	2,926	3,492	19%
UnitedHealth Group	1,880	2,046	9%
Centene Corporation	1,187	423	-64%
Albertsons	1,027	333	-68%
Meijer	924	1,020	10%
Pharmerica	874	795	-9%

Utilizing Labor Insights, we have identified the top 10 employers for the Pharmacist Profession and Pharmacy Technicians job postings in the United States, as well as their change in job postings from 2021 to 2022.

The table that follows on page 5 provides a listing of the Top 5 Employer Job Listings for each state.

Sometimes a company will post under multiple names. This is corrected when spotted (e.g., Soliant vs. Soliant Pharmacy)

# 2022 Top 5 Employer Job Listings by State: Pharmacists

Sometimes a company will post under multiple names. This is corrected when spotted (e.g., Soliant vs. Soliant Pharmacy)

State	1	2	3	4	5
Alabama	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Southeastern Grocers	East Alabama Medical Center
Alaska	Walmart / Sam's	Walgreens Boots Alliance Inc	Southeast Alaska Regional Health Consortium	Alaska Native Tribal Health Consortium	Soliant Pharmacy
Arizona	CVS Health	Walgreens Boots Alliance Inc	Banner Health System	Walmart / Sam's	UnitedHealth Group
Arkansas	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	University of Arkansas	Humana
California	CVS Health	Walgreens Boots Alliance Inc	Cedars-Sinai	Rite Aid Corporation	Kaiser Permanente
Colorado	Walgreens Boots Alliance Inc	CVS Health	Uc Health	Walmart / Sam's	Kroger Company
Connecticut	CVS Health	Walgreens Boots Alliance Inc	Yale-New Haven Health System	Rite Aid Corporation	Hartford Healthcare
Delaware	Walgreens Boots Alliance Inc	CVS Health	Christiana Care	Nemours	Humana
District of Columbia	CVS Health	Medstar Health	Walgreens Boots Alliance Inc	Children's National Health System	Humana
Florida	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Hospital Corporation of America	Baptist Health
Georgia	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Publix	Wellstar Health System
Hawaii	CVS Health	Hawaii Pacific Health	Kaiser Permanente	Queen's Health System	Humana
Idaho	Walgreens Boots Alliance Inc	St Lukes Health System	Walmart / Sam's	Trinity Health	CVS Health
Illinois	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Department of Veterans Affairs	Ascension Health
Indiana	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Meijer	UnitedHealth Group
Iowa	Walgreens Boots Alliance Inc	CVS Health	Hy-Vee	Walmart / Sam's	UnityPoint Health
Kansas	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	University of Kansas	Kroger Company
Kentucky	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	University of Kentucky	Baptist Health
Louisiana	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Ochsner Health	Lafayette General Health System
Maine	Walgreens Boots Alliance Inc	CVS Health	Hannaford	MaineHealth	Walmart / Sam's
Maryland	CVS Health	Walgreens Boots Alliance Inc	University of Maryland	John Hopkins Medicine	Walmart / Sam's
Massachusetts	CVS Health	Walgreens Boots Alliance Inc	Partners Healthcare	Dana Farber Cancer Institute	Beth Israel Deaconess Medical Center
Michigan	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	University of Michigan	Kroger Company
Minnesota	CVS Health	Walgreens Boots Alliance Inc	Fairview Health Systems	Walmart / Sam's	UnitedHealth Group
Mississippi	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	University of Mississippi Medical Center	North Mississippi Medical Center
Missouri	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Ssm Health	BJC Healthcare

## 2022 Top 5 Employer Job Listings by State: Pharmacists *(continued)*

State	1	2	3	4	5
Montana	Billings Clinic	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Humana
Nebraska	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Hy-Vee	Elevance Health
Nevada	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	Reown Health	Anthem Blue Cross
New Hampshire	CVS Health	Walgreens Boots Alliance Inc	Rite Aid Corporation	Walmart / Sam's	Dartmouth-Hitchcock Medical Center
New Jersey	Walgreens Boots Alliance Inc	CVS Health	Robert Wood Johnson University Hospital	Hackensack Meridian Health	Childrens Specialized Hospital
New Mexico	Walgreens Boots Alliance Inc	Walmart / Sam's	Presbyterian Healthcare Services	CVS Health	Plains Regional Medical Center
New York	CVS Health	Walgreens Boots Alliance Inc	Northwell Health	Rite Aid Corporation	Walmart / Sam's
North Carolina	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	UNC Health Care System	Novant Health
North Dakota	CVS Health	Sanford Health	Humana	Thrifty White Pharmacy	Vibra Healthcare
Ohio	CVS Health	Walgreens Boots Alliance Inc	Cleveland Clinic	Walmart / Sam's	Rite Aid Corporation
Oklahoma	Walgreens Boots Alliance Inc	Walmart / Sam's	CVS Health	OU Medicine	Ssm Health
Oregon	Rite Aid Corporation	Walgreens Boots Alliance Inc	Walmart / Sam's	Talent4Health	Providence Health & Services
Pennsylvania	CVS Health	Rite Aid Corporation	Walgreens Boots Alliance Inc	Walmart / Sam's	Penn Medicine
Puerto Rico	Walgreens Boots Alliance Inc	CVS Health	Cardinal Health, Inc	Kroger Company	Department of Veteran Affairs
Rhode Island	CVS Health	Walgreens Boots Alliance Inc	Lifespan	Care New England Health System	Humana
South Carolina	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Medical University of South Carolina	Temet Health System
South Dakota	Walgreens Boots Alliance Inc	Avera Health	Walmart / Sam's	The City of Rapid City	Sanford Health
Tennessee	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Food City	Vanderbilt University Medical Center
Texas	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Baylor Scott & White Health	Hospital Corporation of America
Utah	CVS Health	University of Utah	Walgreens Boots Alliance Inc	Intermountain Healthcare	Walmart / Sam's
Vermont	Walgreens Boots Alliance Inc	Kinney Drugs	CVS Health	University of Vermont	Humana
Virginia	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	University of Virginia	Sentara Healthcare
Washington	Rite Aid Corporation	Walgreens Boots Alliance Inc	Talent4Health	CVS Health	Bartell Drugs
West Virginia	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Huntington Internal Medicine	Select Medical
Wisconsin	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Ssm Health	Froedtert & The Medical College of Wisconsin
Wyoming	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Cheyenne Regional Medical Center	Cardinal Health, Inc

# 2022 Top 5 Employer Job Listings by State: Pharmacy Technicians

Sometimes a company will post under multiple names. This is corrected when spotted (e.g., Soliant vs. Soliant Pharmacy)

State	1	2	3	4	5
Alabama	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Southeastern Grocers	Ascension Health
Alaska	Walmart / Sam's	Fairbanks Memorial Hospital	Walgreens Boots Alliance Inc	Kroger Company	CVS Health
Arizona	Walgreens Boots Alliance Inc	Banner Health System	Walmart / Sam's	CVS Health	UnitedHealth Group
Arkansas	Walmart / Sam's	Walgreens Boots Alliance Inc	Kroger Company	University of Arkansas	CVS Health
California	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Cedars-Sinai	Rite Aid Corporation
Colorado	Walgreens Boots Alliance Inc	Walmart / Sam's	CVS Health	Kroger Company	Safeway Incorporated
Connecticut	CVS Health	Walgreens Boots Alliance Inc	Yale-New Haven Health System	Walmart / Sam's	Rite Aid Corporation
Delaware	Walgreens Boots Alliance Inc	CVS Health	Christiana Care	Walmart / Sam's	Rite Aid Corporation
District of Columbia	Medstar Health	John Hopkins Medicine	CVS Health	Walgreens Boots Alliance Inc	Children's National Health System
Florida	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Hospital Corporation of America	Baptist Health
Georgia	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Kroger Company	Wellstar Health System
Hawaii	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	Pharmerica	Kaiser Permanente
Idaho	Walmart / Sam's	Walgreens Boots Alliance Inc	St Lukes Health System	Albertson	CVS Health
Illinois	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Loyola University Health System	Ascension Health
Indiana	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	Kroger Company	Meijer
Iowa	Hy-Vee	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	UnityPoint Health
Kansas	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	University of Kansas	UnitedHealth Group
Kentucky	Walmart / Sam's	Walgreens Boots Alliance Inc	Kroger Company	CVS Health	Norton Healthcare
Louisiana	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Ochsner Health	Brookshire Grocery Company
Maine	Walgreens Boots Alliance Inc	Hannaford	Walmart / Sam's	CVS Health	MaineHealth
Maryland	CVS Health	Walgreens Boots Alliance Inc	University of Maryland	Walmart / Sam's	Giant of Maryland Llc
Massachusetts	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Boston Medical Center	Partners Healthcare
Michigan	Walgreens Boots Alliance Inc	CVS Health	Meijer	Walmart / Sam's	Rite Aid Corporation
Minnesota	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Fairview Health Services	Essentia Health
Mississippi	Walmart / Sam's	Walgreens Boots Alliance Inc	Kroger Company	CVS Health	Baptist Memorial Health Care Corporation
Missouri	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Mercy	Ssm Health



## 2022 Top 5 Employer Job Listings by State: Pharmacy Technicians *(continued)*

State	1	2	3	4	5
Montana	Walmart / Sam's	Billings Clinic	Walgreens Boots Alliance Inc	Bozeman Health	Logan Health
Nebraska	Walmart / Sam's	Walgreens Boots Alliance Inc	Nebraska Medicine	Hy-Vee	CVS Health
Nevada	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Smiths Food Drug	Kroger Company
New Hampshire	Walmart / Sam's	Walgreens Boots Alliance Inc	Rite Aid Corporation	CVS Health	Hannaford
New Jersey	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Rite Aid Corporation	Hackensack Meridian Health
New Mexico	Walmart / Sam's	Walgreens Boots Alliance Inc	Presbyterian Health Services	UNM Medical Group	Kroger Company
New York	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Rite Aid Corporation	Wegmans
North Carolina	Walmart / Sam's	Walgreens Boots Alliance Inc	UNC Health Care System	CVS Health	Harris Teeter
North Dakota	Walmart / Sam's	Thrifty White Pharmacy	Sanford Health	Trinity Health	Altru Health System
Ohio	Walmart / Sam's	CVS Health	Walgreens Boots Alliance Inc	Kroger Company	Rite Aid Corporation
Oklahoma	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Integrus Health	Ssm Health
Oregon	Walmart / Sam's	Walgreens Boots Alliance Inc	Rite Aid Corporation	Kroger Company	UnitedHealth Group
Pennsylvania	CVS Health	Rite Aid Corporation	Walmart / Sam's	Walgreens Boots Alliance Inc	Giant Eagle Supermarkets
Puerto Rico	Walgreens Boots Alliance Inc	Triple S Salud, Inc	Kroger Company	Cardinal Health, Inc.	CVS Health
Rhode Island	CVS Health	Walgreens Boots Alliance Inc	Care New England	Walmart / Sam's	Lifespan
South Carolina	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	Medical University of South Carolina	Harris Teeter
South Dakota	Walmart / Sam's	Avera Health	Walgreens Boots Alliance Inc	Sanford Health	Hy-Vee
Tennessee	Walmart / Sam's	Walgreens Boots Alliance Inc	Kroger Company	Food City	CVS Health
Texas	Walmart / Sam's	Walgreens Boots Alliance Inc	HEB	CVS Health	Kroger Company
Utah	Walmart / Sam's	Walgreens Boots Alliance Inc	Intermountain Healthcare	Kroger Company	University of Utah
Vermont	Walgreens Boots Alliance Inc	Walmart / Sam's	CVS Health	University of Vermont	Kinney Drugs
Virginia	Walmart / Sam's	CVS Health	Walgreens Boots Alliance Inc	University of Virginia	Kroger Company
Washington	Walgreens Boots Alliance Inc	Walmart / Sam's	Rite Aid Corporation	CVS Health	Kroger Company
West Virginia	Walmart / Sam's	CVS Health	Walgreens Boots Alliance Inc	Kroger Company	Huntington Internal Medicine
Wisconsin	Walgreens Boots Alliance Inc	Walmart / Sam's	Aurora Health Care	Ssm Health	CVS Health
Wyoming	Walmart / Sam's	Walgreens Boots Alliance Inc	Kroger Company	Albertsons	CVS Health



# 2022 State Total Data: Postings

State	Clinical Pharmacist		Hospital Pharmacist		Other Pharmacist Occupations		Pharmacy Director		Retail Pharmacist		All Pharmacist Positions		Pharmacy Technician	
	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022
Alabama	89	132	34	31	48	50	38	35	907	786	1116	1034	2031	2000
Alaska	43	34	37	26	25	22	24	22	187	101	316	205	330	293
Arizona	289	377	117	160	195	250	131	143	1167	1039	1899	1969	5104	4715
Arkansas	92	119	16	11	44	36	20	24	389	402	561	592	990	1193
California	1517	1521	501	562	772	1153	480	443	3530	4113	6800	7792	15284	16548
Colorado	381	331	97	140	132	133	86	37	624	769	1320	1410	3698	3464
Connecticut	162	171	25	29	149	120	43	37	510	832	889	1189	1667	1752
Delaware	100	80	11	8	28	25	5	8	177	185	321	306	392	466
District of Columbia	73	62	1	5	24	19	16	19	91	75	205	180	297	370
Florida	1075	1227	82	107	396	413	137	181	2247	2274	3937	4202	10417	10527
Georgia	311	271	63	83	100	217	78	51	1290	1365	1842	1987	3913	4090
Hawaii	40	51	12	23	25	17	7	5	181	135	265	231	545	479
Idaho	119	131	28	50	44	53	26	36	298	309	515	579	1001	971
Illinois	482	583	175	186	275	341	100	145	1251	1354	2283	2609	5675	6778
Indiana	184	269	67	69	185	124	41	57	1380	1318	1857	1837	4278	3714
Iowa	120	154	22	31	56	71	28	51	411	349	637	656	1343	1596
Kansas	114	200	37	41	69	60	20	43	323	361	563	705	1435	1787
Kentucky	218	172	49	26	84	73	72	53	560	664	983	988	2183	2206
Louisiana	165	207	51	120	107	135	82	41	604	658	1009	1161	2144	2136
Maine	33	59	6	6	11	30	11	26	197	278	258	399	391	811
Maryland	154	299	42	30	90	138	32	31	761	754	1079	1252	3002	2993
Massachusetts	277	470	50	47	225	299	52	89	1069	1554	1673	2459	3779	4168
Michigan	381	441	66	91	281	348	88	53	1086	1074	1902	2007	6561	6142
Minnesota	191	198	77	89	127	91	58	58	724	691	1177	1127	2831	3320
Mississippi	76	68	31	13	26	19	22	29	389	293	544	422	989	1010
Missouri	289	330	63	30	108	120	79	70	749	760	1288	1310	2503	3282
Montana	44	83	53	25	23	38	25	23	230	167	375	336	465	449
Nebraska	48	104	42	28	27	65	23	15	279	313	419	525	771	921
Nevada	149	162	56	77	46	56	72	45	248	245	571	585	1159	1189
New Hampshire	74	76	42	13	53	40	17	33	211	344	397	506	755	984
New Jersey	271	223	78	126	276	236	30	53	1144	1372	1799	2010	4409	3929
New Mexico	86	49	46	48	31	17	49	74	180	256	392	444	720	852

## 2022 State Total Data: Postings *(continued)*

State	Clinical Pharmacist		Hospital Pharmacist		Other Pharmacist Occupations		Pharmacy Director		Retail Pharmacist		All Pharmacist Positions		Pharmacy Technician	
	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022
New York	361	345	89	98	288	365	95	125	2108	2096	2941	3029	5906	5462
North Carolina	385	455	52	41	239	245	80	76	984	1135	1740	1952	4709	4787
North Dakota	25	28	12	53	23	28	24	16	116	136	200	261	192	253
Ohio	378	486	110	112	246	319	105	145	1137	1320	1976	2382	6770	6835
Oklahoma	91	156	32	32	50	64	37	40	524	601	734	893	1467	1866
Oregon	189	245	41	82	96	121	77	82	611	799	1014	1329	1819	2061
Pennsylvania	459	453	139	122	224	236	69	62	1560	1650	2451	2523	5866	5163
Puerto Rico	32	12	1	1	5	0	4	1	114	51	156	65	132	31
Rhode Island	44	65	15	6	15	27	15	10	181	202	270	310	468	524
South Carolina	149	147	22	19	54	64	40	34	636	609	901	873	1714	1639
South Dakota	40	54	5	5	24	14	10	22	104	124	183	219	298	354
Tennessee	280	350	24	16	91	129	59	57	605	779	1059	1331	3366	3560
Texas	867	877	180	160	432	466	269	312	2429	2423	4177	4238	12929	12452
Utah	128	106	10	7	37	42	47	25	198	158	420	338	1387	1558
Vermont	19	35	3	5	12	22	16	15	158	228	208	305	194	365
Virginia	297	337	28	43	183	136	94	79	915	1186	1517	1781	3433	3655
Washington	250	259	86	149	156	157	90	94	1047	1495	1629	2154	3488	3634
West Virginia	35	36	12	30	10	17	16	20	226	364	299	467	588	666
Wisconsin	212	187	46	166	116	154	58	80	623	840	1055	1427	2822	3521
Wyoming	9	16	7	24	11	10	3	14	55	98	85	162	147	225
<b>Total:</b>	<b>11897</b>	<b>13303</b>	<b>2991</b>	<b>3502</b>	<b>6394</b>	<b>7425</b>	<b>3200</b>	<b>3339</b>	<b>37725</b>	<b>41484</b>	<b>62207</b>	<b>69053</b>	<b>148757</b>	<b>153746</b>
		<b>12%</b>		<b>17%</b>		<b>16%</b>		<b>4%</b>		<b>10%</b>		<b>11%</b>		<b>3%</b>

# 2021-2022 Postings Quotients

The postings quotient is the number of job postings per 1,000 licensed pharmacists in the state.

State	Clinical Pharmacist			Hospital Pharmacist			Other Pharmacist Occupations			Pharmacy Director			Retail Pharmacist			All Pharmacist Positions			Pharmacy Technician		
	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change
AL	9.27	13.74	48%	15.56	14.19	-9%	5.00	5.21	4%	3.96	3.64	-8%	94.42	81.82	-13%	116.18	107.64	-7%	299.12	294.55	-2%
AK	42.91	33.93	-21%	36.93	25.95	-30%	24.95	21.96	-12%	23.95	21.96	-8%	186.63	100.80	-46%	315.37	204.59	-35%	540.98	480.33	-11%
AZ	23.98	31.28	30%	9.71	13.28	37%	16.18	20.75	28%	10.87	11.87	9%	96.84	86.22	-11%	157.58	163.39	4%	551.78	509.73	-8%
AR	14.07	17.13	22%	2.45	1.58	-35%	6.73	5.18	-23%	3.06	3.45	13%	59.48	57.86	-3%	85.78	85.20	-1%	216.63	261.05	21%
CA	31.47	31.09	-1%	10.39	11.49	11%	16.02	23.57	47%	9.96	9.06	-9%	73.23	84.08	15%	141.07	159.30	13%	423.38	458.39	8%
CO	42.03	37.30	-11%	10.70	15.78	47%	14.56	14.99	3%	9.49	4.17	-56%	68.84	86.66	26%	145.63	158.89	9%	647.64	606.65	-6%
CT	29.22	30.84	6%	4.51	5.23	16%	26.87	21.64	-19%	7.75	6.67	-14%	91.97	150.05	63%	160.32	214.43	34%	441.01	463.49	5%
DE	41.41	33.13	-20%	4.55	3.31	-27%	11.59	10.35	-11%	2.07	3.31	60%	73.29	76.60	5%	132.92	126.71	-5%	308.66	366.93	19%
DC	35.85	30.45	-15%	0.49	2.46	400%	11.79	9.33	-21%	7.86	9.33	19%	44.70	36.84	-18%	100.69	88.41	-12%	450.00	560.61	25%
FL	30.01	34.25	14%	2.29	2.99	30%	11.05	11.53	4%	3.82	5.05	32%	62.72	63.48	1%	109.90	117.30	7%	349.10	352.78	1%
GA	20.44	17.81	-13%	4.14	5.45	32%	6.57	14.26	117%	5.13	3.35	-35%	84.78	89.71	6%	121.06	130.59	8%	346.59	362.27	5%
HI	16.32	20.81	28%	4.90	9.38	92%	10.20	6.94	-32%	2.86	2.04	-29%	73.85	55.08	-25%	108.12	94.25	-13%	294.59	258.92	-12%
ID	32.84	33.50	2%	7.73	12.78	65%	12.14	13.55	12%	7.17	9.20	28%	82.23	79.01	-4%	142.11	148.04	4%	442.92	429.65	-3%
IL	22.82	27.60	21%	8.29	8.81	6%	13.02	16.14	24%	4.73	6.86	45%	59.23	64.10	8%	108.09	123.52	14%	285.46	340.95	19%
IN	16.00	23.40	46%	5.83	6.00	3%	16.09	10.79	-33%	3.57	4.96	39%	120.03	114.64	-4%	161.52	159.78	-1%	436.98	379.37	-13%
IA	18.23	23.61	29%	3.34	4.75	42%	8.51	10.89	28%	4.25	7.82	84%	62.45	53.51	-14%	96.79	100.58	4%	345.24	410.28	19%
KS	14.77	24.80	68%	4.79	5.08	6%	8.94	7.44	-17%	2.59	5.33	106%	41.86	44.76	7%	72.96	87.41	20%	335.28	417.52	25%
KY	19.93	15.72	-21%	4.48	2.38	-47%	7.68	6.67	-13%	6.58	4.85	-26%	51.19	60.70	19%	89.86	90.32	1%	213.81	216.06	1%
LA	17.71	21.63	22%	5.47	12.54	129%	11.48	14.10	23%	8.80	4.28	-51%	64.83	68.74	6%	108.30	121.29	12%	357.93	356.59	0%
ME	14.08	25.18	79%	2.56	2.56	0%	4.69	12.80	173%	4.69	11.10	136%	84.08	118.65	41%	110.12	170.29	55%	171.49	355.70	107%
MD	12.59	24.45	94%	3.43	2.45	-29%	7.36	11.29	53%	2.62	2.54	-3%	62.23	61.66	-1%	88.24	102.39	16%	432.56	431.27	0%
MA	19.74	32.29	64%	3.56	3.23	-9%	16.04	20.54	28%	3.71	6.11	65%	76.20	106.77	40%	119.25	168.95	42%	432.38	476.89	10%
MI	22.59	26.15	16%	3.91	5.40	38%	16.66	20.63	24%	5.22	3.14	-40%	64.39	63.67	-1%	112.76	118.99	6%	468.98	439.03	-6%
MN	20.82	21.17	2%	8.39	9.51	13%	13.84	9.73	-30%	6.32	6.20	-2%	78.90	73.87	-6%	128.27	120.48	-6%	351.68	412.42	17%
MS	11.62	10.02	-14%	4.74	1.91	-60%	3.98	2.80	-30%	3.36	4.27	27%	59.48	43.16	-27%	83.18	62.16	-25%	276.26	282.12	2%
MO	24.45	27.78	14%	5.33	2.53	-53%	9.14	10.10	11%	6.68	5.89	-12%	63.36	63.98	1%	108.95	110.29	1%	249.55	327.22	31%
MT	20.00	36.28	81%	24.09	10.93	-55%	10.45	16.61	59%	11.36	10.05	-12%	104.55	72.99	-30%	170.45	146.85	-14%	387.50	374.17	-3%
NE	8.74	18.93	117%	7.64	5.10	-33%	4.91	11.83	141%	4.19	2.73	-35%	50.77	56.96	12%	76.25	95.54	25%	303.54	362.60	19%
NV	19.30	20.98	9%	7.25	9.97	38%	5.96	7.25	22%	9.33	5.83	-38%	32.12	31.73	-1%	73.95	75.77	2%	275.30	282.42	3%
NH	26.18	26.88	3%	14.86	4.60	-69%	18.75	14.15	-25%	6.01	11.67	94%	74.64	121.68	63%	140.43	178.99	27%	401.60	523.40	30%
NJ	15.04	12.38	-18%	4.33	6.99	62%	15.32	13.10	-14%	1.66	2.94	77%	63.49	76.14	20%	99.84	111.55	12%	423.94	377.79	-11%
NM	27.23	15.52	-43%	14.57	15.20	4%	9.82	5.38	-45%	15.52	23.43	51%	57.00	81.06	42%	124.13	140.60	13%	289.16	342.17	18%

# 2021–2022 Postings Quotients *(continued)*

The postings quotient is the number of job postings per 1,000 licensed pharmacists in the state.

State	Clinical Pharmacist			Hospital Pharmacist			Other Pharmacist Occupations			Pharmacy Director			Retail Pharmacist			All Pharmacist Positions			Pharmacy Technician		
	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change	2021	2022	% Change
NY	12.53	11.67	-7%	3.09	3.31	7%	9.99	12.35	24%	3.30	4.23	28%	73.15	70.90	-3%	102.06	102.46	0%	311.33	287.93	-8%
NC	22.27	25.83	16%	3.01	2.33	-23%	13.83	13.91	1%	4.63	4.31	-7%	56.93	64.43	13%	100.67	110.80	10%	343.47	349.16	2%
ND	11.17	11.52	3%	5.36	21.80	307%	10.28	11.52	12%	10.72	6.58	-39%	51.83	55.94	8%	89.37	107.36	20%	218.18	287.50	32%
OH	17.26	22.36	30%	5.02	5.15	3%	11.23	14.67	31%	4.79	6.67	39%	51.90	60.72	17%	90.20	109.57	21%	396.14	399.94	1%
OK	11.17	19.14	71%	3.93	3.93	0%	6.13	7.85	28%	4.54	4.91	8%	64.29	73.74	15%	90.06	109.57	22%	301.23	383.16	27%
OR	20.99	28.04	34%	4.55	9.39	106%	10.66	13.85	30%	8.55	9.39	10%	67.84	91.45	35%	112.59	152.11	35%	362.35	410.56	13%
PA	19.55	18.42	-6%	5.92	4.96	-16%	9.54	9.60	1%	2.94	2.52	-14%	66.46	67.11	1%	104.42	102.62	-2%	310.37	273.17	-12%
PR	5.99	2.25	-63%	0.19	0.19	0%	0.94	0.00	-100%	0.75	0.19	-75%	21.35	9.55	-55%	29.21	12.17	-58%	24.91	5.85	-77%
RI	20.14	29.75	48%	6.86	2.75	-60%	6.86	12.36	80%	6.86	4.58	-33%	82.84	92.45	12%	123.57	141.88	15%	264.41	296.05	12%
SC	16.22	15.95	-2%	2.40	2.06	-14%	5.88	6.94	18%	4.36	3.69	-15%	69.25	66.07	-5%	98.11	94.72	-3%	264.91	253.32	-4%
SD	19.18	25.42	33%	2.40	2.35	-2%	11.51	6.59	-43%	4.80	10.36	116%	49.88	58.38	17%	87.77	103.11	17%	231.01	274.42	19%
TN	22.30	27.88	25%	1.91	1.27	-33%	7.25	10.27	42%	4.70	4.54	-3%	48.18	62.04	29%	84.34	106.01	26%	300.80	318.14	6%
TX	23.98	24.26	1%	4.98	4.43	-11%	11.95	12.89	8%	7.44	8.63	16%	67.18	67.02	0%	115.53	117.22	1%	352.38	339.38	-4%
UT	30.07	24.90	-17%	2.35	1.64	-30%	8.69	9.87	14%	11.04	5.87	-47%	46.51	37.12	-20%	98.66	79.40	-20%	341.63	383.74	12%
VT	15.48	24.93	61%	2.44	3.56	46%	9.78	15.67	60%	13.04	10.68	-18%	128.77	162.39	26%	169.52	217.24	28%	277.14	521.43	88%
VA	18.38	20.96	14%	1.73	2.67	54%	11.32	8.46	-25%	5.82	4.91	-16%	56.62	73.76	30%	93.88	110.77	18%	357.98	381.13	6%
WA	22.79	23.54	3%	7.84	13.54	73%	14.22	14.27	0%	8.20	8.54	4%	95.45	135.90	42%	148.51	195.80	32%	450.65	469.51	4%
WV	6.34	6.25	-1%	2.17	5.21	140%	1.81	2.95	63%	2.90	3.47	20%	40.93	63.19	54%	54.15	81.08	50%	187.26	212.10	13%
WI	23.71	20.91	-12%	5.14	18.56	261%	12.97	17.22	33%	6.49	8.95	38%	69.67	93.94	35%	117.98	159.58	35%	340.41	424.73	25%
WY	6.26	11.02	76%	4.87	16.53	239%	7.65	6.89	-10%	2.09	9.64	362%	38.27	67.49	76%	59.15	111.57	89%	262.50	401.79	53%

This chart provides insight on how many days, on average, it takes to fill a job posting in each state. Time to Fill for a particular specialized occupation is determined using historic data for jobs. The indicators (Easier/Much Easier/Similar/Harder/Much Harder) are for a specialized occupation in the selected location relative to that occupation nationwide. Some values should be used with caution due to low posting totals.

State	Clinical Pharmacist		Hospital Pharmacist		Pharmacy Director		Retail Pharmacist		Pharmacy Technician	
	Days to Fill	Concentration	Days to Fill	Concentration	Days to Fill	Concentration	Days to Fill	Concentration	Days to Fill	Concentration
AL	34	Similar	45	Harder	31	Similar	28	Similar	27	Similar
AK	29	Easier	26	Much Easier	23	Much Easier	42	Much Harder	27	Similar
AZ	34	Similar	31	Easier	35	Similar	33	Similar	31	Similar
AR	40	Similar	32	Easier	44	Harder	28	Similar	25	Similar
CA	34	Similar	34	Similar	32	Similar	33	Similar	30	Similar
CO	31	Similar	32	Easier	36	Similar	30	Similar	29	Similar
CT	32	Similar	36	Similar	31	Similar	30	Similar	29	Similar
DE	45	Harder	54	Much Harder	32	Similar	26	Easier	25	Similar
DC	30	Easier	-	-	29	Easier	29	Similar	56	Much Harder
FL	35	Similar	34	Similar	32	Similar	32	Similar	25	Similar
GA	40	Similar	29	Easier	31	Similar	30	Similar	27	Similar
HI	61	Much Harder	57	Much Harder	24	Much Easier	35	Similar	29	Similar
ID	38	Similar	30	Easier	36	Similar	39	Harder	34	Similar
IL	36	Similar	51	Much Harder	35	Similar	32	Similar	25	Similar
IN	33	Similar	35	Similar	43	Harder	35	Similar	29	Similar
IA	30	Easier	28	Much Easier	31	Similar	36	Similar	34	Similar
KS	36	Similar	41	Similar	28	Easier	25	Easier	27	Similar
KY	35	Similar	34	Similar	29	Easier	23	Easier	22	Easier
LA	50	Much Harder	38	Similar	38	Similar	31	Similar	28	Similar
ME	29	Easier	45	Harder	41	Harder	26	Easier	21	Easier
MD	44	Harder	45	Harder	31	Similar	36	Similar	32	Similar
MA	39	Similar	42	Similar	32	Similar	32	Similar	28	Similar
MI	34	Similar	34	Similar	35	Similar	33	Similar	29	Similar
MN	38	Similar	47	Harder	33	Similar	29	Similar	29	Similar
MS	51	Much Harder	55	Much Harder	49	Much Harder	34	Similar	29	Similar
MO	35	Similar	37	Similar	29	Easier	25	Easier	27	Similar
MT	35	Similar	43	Similar	44	Harder	38	Harder	33	Similar
NE	42	Harder	33	Similar	35	Similar	27	Similar	26	Similar
NV	36	Similar	29	Easier	26	Easier	31	Similar	26	Similar
NH	47	Much Harder	75	Much Harder	43	Harder	37	Similar	32	Similar
NJ	41	Similar	43	Similar	43	Harder	32	Similar	33	Similar
NM	40	Similar	52	Much Harder	32	Similar	33	Similar	27	Similar

State	Clinical Pharmacist		Hospital Pharmacist		Pharmacy Director		Retail Pharmacist		Pharmacy Technician	
	Days to Fill	Concentration	Days to Fill	Concentration	Days to Fill	Concentration	Days to Fill	Concentration	Days to Fill	Concentration
NY	34	Similar	38	Similar	35	Similar	30	Similar	32	Similar
NC	43	Harder	36	Similar	48	Much Harder	31	Similar	28	Similar
ND	36	Similar	67	Much Harder	40	Similar	36	Similar	35	Harder
OH	29	Easier	39	Similar	37	Similar	39	Harder	36	Harder
OK	42	Harder	28	Much Easier	47	Much Harder	26	Easier	26	Similar
OR	35	Similar	50	Much Harder	38	Similar	33	Similar	29	Similar
PA	35	Similar	41	Similar	35	Similar	35	Similar	36	Harder
PR	29	Easier	71	Much Harder	50	Much Harder	16	Much Easier	14	Much Easier
RI	30	Easier	60	Much Harder	36	Similar	40	Harder	26	Similar
SC	34	Similar	24	Much Easier	31	Similar	32	Similar	31	Similar
SD	46	Much Harder	-	-	-	-	33	Similar	29	Similar
TN	36	Similar	38	Similar	36	Similar	29	Similar	25	Similar
TX	31	Similar	38	Similar	32	Similar	34	Similar	28	Similar
UT	36	Similar	24	Much Easier	34	Similar	30	Similar	31	Similar
VT	51	Much Harder	-	-	57	Much Harder	26	Easier	33	Similar
VA	33	Similar	24	Much Easier	29	Easier	29	Similar	24	Similar
WA	41	Similar	40	Similar	34	Similar	40	Harder	31	Similar
WV	39	Similar	84	Much Harder	32	Similar	26	Easier	21	Easier
WI	30	Easier	38	Similar	40	Similar	27	Similar	25	Similar
WY	51	Much Harder	55	Much Harder	53	Much Harder	33	Similar	45	Much Harder