

Pharmacy Demand Report (PDR) 2021 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 second year, the PDR has 3 full years (2019, 2020, 2021) of reportable data.

In January 2022, the PWC released the 2021 full-year report. This report provides a full comparison of 2021 versus 2020.

This yearly summary report will provide insights and draw comparisons to the 2020 year-end report.

American Association of
Colleges of Pharmacy

American College of
Clinical Pharmacy

American Pharmacists
Association

American Society of
Health-System Pharmacists

Board of Pharmacy Specialties

Hematology/Oncology
Pharmacy Association

National Alliance of State
Pharmacy Associations

National Community
Pharmacists Association

Pharmacy Technician
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Regional Summary

Pharmacists

	Q1 2020	Q1 2021	Q1 % Change	Q2 2020	Q2 2021	Q2 % Change	Q3 2020	Q3 2021	Q3 % Change	Q4 2020	Q4 2021	Q4 % Change	Total 2020	Total 2021	Total % Change
Northeast	2,427	2,770	14%	1,568	2,657	69%	1,702	2,897	70%	2,385	2,562	7%	8,082	10,886	35%
South	4,539	5,526	22%	2,210	4,910	122%	3,764	5,920	57%	4,469	5,668	27%	14,982	22,024	47%
Midwest	2,687	3,391	26%	1,412	3,017	114%	1,802	3,524	96%	3,158	3,608	14%	9,059	13,540	49%
West	3,093	3,546	15%	1,935	4,074	111%	2,499	4,018	61%	3,251	3,963	22%	10,778	15,601	45%
Total:	12,746	15,233	20%	7,125	14,658	106%	9,767	16,359	67%	13,263	15,801	19%	42,901	62,051	45%

The regional summary charts shows growth in pharmacist job postings for every quarter in 2021, compared to the respective quarter in 2020. The quarter with the most significant growth in 2021 was Q2.

The pharmacist profession saw an 45% growth in job postings in 2021, with the largest growth region being the Midwest (45%) and the smallest growth region being the Northeast (35%). The Q1 report of the 2022 Pharmacy Demand Report will provide insight into whether these regions will continue their upward trend.

Pharmacy Technicians

	Q1 2020	Q1 2021	Q1 % Change	Q2 2020	Q2 2021	Q2 % Change	Q3 2020	Q3 2021	Q3 % Change	Q4 2020	Q4 2021	Q4 % Change	Total 2020	Total 2021	Total % Change
Northeast	5,650	5,066	-10%	4,221	6,239	48%	4,286	5,791	35%	5,340	6,339	19%	19,497	26,186	34%
South	10,952	12,443	14%	7,652	13,326	74%	10,103	13,263	31%	11,394	15,532	36%	40,101	60,014	50%
Midwest	8,237	7,648	-7%	5,711	8,591	50%	6,576	9,064	38%	8,302	10,176	23%	28,826	39,222	36%
West	8,025	8,160	2%	5,851	8,991	54%	8,163	8,343	2%	9,387	9,653	3%	31,426	40,915	30%
Total:	2,864	33,317	1%	23,435	37,147	59%	29,128	36,461	25%	34,423	41,700	21%	119,850	166,337	39%

Overall, the regional summary charter shows growth in pharmacy technician job postings for each quarter in 202, compared with the respective quarter in 2020.

Pharmacy Technicians saw an 39% growth in job postings in 2021, with the largest growth region being the South (50%) and the smallest growth region being the West (30%). The Q1 report of the 2022 Pharmacy Demand Report will provide insight into whether these regions will continue their upward trend.

Data Highlights: Pharmacists

Occupation with Largest Growth: Retail Pharmacists

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
South Dakota	33	16.13	104	49.88	209%
Alabama	341	32.99	907	94.42	186%
Maine	73	31.74	197	84.08	165%
Idaho	138	33.81	298	82.23	143%
Oregon	261	30.75	611	67.84	121%
Utah	87	21.25	198	46.51	119%
District of Columbia	43	21.03	91	44.70	113%
Montana	106	50.21	230	104.55	108%
Arkansas	189	28.90	389	59.48	106%
Alaska	93	92.81	187	186.63	101%

Occupation with the Largest Growth

While all positions across the profession saw overall positive growth, the Retail Pharmacist position experienced the most in 2021. Overall, there was a total of 37,725 postings. When compared to the 23,132 postings in 2020, that is a growth of 63%. In total, all 52 states (including DC and Puerto Rico) saw growth.

Occupation with Smallest Growth: Hospital Pharmacists

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
Rhode Island	80	36.61	44	20.14	-45%
New Hampshire	114	39.15	74	26.18	-33%
West Virginia	52	9.42	35	6.34	-33%
Maine	46	20.00	33	14.08	-30%
Ohio	459	21.88	378	17.26	-21%
Connecticut	195	35.17	162	29.22	-17%
Massachusetts	329	23.61	277	19.74	-16%
Maryland	180	14.72	154	12.59	-14%
Nebraska	52	9.46	48	8.74	-8%
Nevada	155	20.08	149	19.30	-4%

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 11,897 postings. When compared to the 10,362 postings in 2020, that is a growth of 15%. In total, 39 states had growth and 13 states saw a loss.

Pharmacist Profession Postings: Largest Growth

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
Rhode Island	466	45.09	1116	116.18	158%
North Dakota	72	35.19	183	87.77	149%
Iowa	435	51.25	1014	112.59	120%
Kentucky	181	85.74	375	170.45	99%
Missouri	137	55.90	265	108.12	93%
Utah	209	51.05	420	98.66	93%
New Hampshire	168	167.66	316	315.37	88%
Maryland	178	73.71	321	132.92	80%
Alaska	301	47.35	544	83.18	76%
Delaware	119	96.67	208	169.52	75%

Growth and Loss of the Entire Pharmacist Profession

In 2021, the Pharmacist Profession saw growth in 51 states (including DC and Puerto Rico) and a loss in the State of Oklahoma. This indicates that the profession has responded positively to the COVID-19 job posting loss.

Pharmacist Profession Postings: Greatest Loss

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
Oklahoma	282	129.06	270	123.57	-4%
Montana	535	69.29	571	73.95	7%
Mississippi	1651	78.70	1976	90.20	15%
Pennsylvania	333	114.35	397	140.43	23%
Colorado	2054	83.54	2451	104.42	25%
Wisconsin	834	66.42	1059	84.34	27%
Nebraska	159	77.75	205	100.69	30%
West Virginia	1462	121.32	1899	157.58	30%
Ohio	5195	108.40	6800	141.07	30%
Nevada	2859	83.70	3937	109.90	31%

*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: Pharmacy Technicians

Pharmacist Technician Postings: Largest Growth

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
Alabama	1182	174.08	2031	299.12	72%
Wyoming	86	153.57	147	262.50	71%
Hawaii	321	173.51	545	294.59	70%
Idaho	617	273.01	1001	442.92	62%
South Dakota	184	142.64	298	231.01	62%
Alaska	207	339.34	330	540.98	59%
West Virginia	370	117.83	588	187.26	59%
Arkansas	630	137.86	990	216.63	57%
North Dakota	124	140.91	192	218.18	55%
Mississippi	666	186.03	989	276.26	48%

Growth and Loss of Pharmacist Technicians

In 2021, there were 148,757 Pharmacy Technician postings. When compared to the 119,968 postings in 2020, this is a growth of 24%. Overall, Pharmacy Technicians saw growth in 48 states and a loss in 4 states.

Pharmacist Technician Postings: Greatest Loss

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
New Hampshire	1114	592.55	755	401.60	-32%
Arizona	7458	806.27	5104	551.78	-32%
Nebraska	807	317.72	771	303.54	-4%
Maine	403	176.75	391	171.49	-3%
Ohio	6587	385.43	6770	396.14	3%
Vermont	184	262.86	194	277.14	5%
Nevada	1091	259.14	1159	275.30	6%
District of Columbia	269	407.58	297	450.00	10%
Massachusetts	3386	387.41	3779	432.38	12%
Puerto Rico	118	22.26	132	24.91	12%

*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	2020 Postings	2021 Postings	Percent Change
CVS Health	10,670	15,064	41%
Walgreens Boots Alliance Inc	2,926	6,504	122%
Walmart / Sam's	497	3,024	508%
Soliant Pharmacy	64	2,267	3442%
Anthem Blue Cross	2,051	2,011	-2%
Humana	402	1,005	150%
Albertsons	380	809	113%
Department of Veterans Affairs	580	721	24%
Hospital Corporation of America	450	545	21%
UnitedHealth Group	192	483	152%

Pharmacy Technicians

Employer	2020 Postings	2021 Postings	Percent Change
CVS Health	13486	25069	86%
Walgreens Boots Alliance Inc	10347	11948	15%
Walmart / Sam's	2760	9474	243%
Kroger Company	2250	4574	103%
Rite Aid Corporation	3239	3492	8%
Soliant Pharmacy	1102	2688	144%
UnitedHealth Group	1171	2046	75%
Hospital Corporation of America	688	1020	48%
Meijer	622	936	50%
Pharmerica	534	795	49%

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 2020 to 2021.

There is also a breakdown of the Top Five Employers for each state following.

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

2021 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	Publix
Alaska	Soliant Pharmacy	Albertsons	CVS Health	Safeway Incorporated	Haggen Incorporated
Arizona	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Banner Health System	Albertsons
Arkansas	Walmart / Sam's	Walgreens Boots Alliance Inc	CVS Health	University of Arkansas	Humana
California	CVS Health	Soliant Pharmacy	Anthem Blue Cross	Walgreens Boots Alliance Inc	Albertsons
Colorado	CVS Health	UC Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Albertsons
Connecticut	CVS Health	Walgreens Boots Alliance Inc	Anthem Blue Cross	Yale-New Haven Health System	Westerly Hospital
Delaware	CVS Health	Walgreens Boots Alliance Inc	Christiana Care	Humana	Nemours
District of Columbia	CVS Health	Children's National Health System	Humana	Walgreens Boots Alliance Inc	Department of Veterans Affairs
Florida	CVS Health	Walgreens Boots Alliance Inc	Publix	Hospital Corporation of America	Anthem Blue Cross
Georgia	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Anthem Blue Cross	Publix
Hawaii	CVS Health	Humana	Apidel Technologies	Pharmerica	Albertsons
Idaho	Albertsons	Walgreens Boots Alliance Inc	St. Lukes	CVS Health	Humana
Illinois	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Northwestern Memorial Healthcare	Anthem Blue Cross
Indiana	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Indiana University Health	Meijer
Iowa	CVS Health	Walgreens Boots Alliance Inc	Hy-Vee	Walmart / Sam's	University of Iowa
Kansas	CVS Health	Walgreens Boots Alliance Inc	University of Kansas	Walmart / Sam's	Soliant Pharmacy
Kentucky	CVS Health	Walgreens Boots Alliance Inc	Anthem Blue Cross	University of Kentucky	Walmart / Sam's
Louisiana	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Ochsner Clinic Foundation	Franciscan Missionaries of Our Lady Health System
Maine	Walgreens Boots Alliance Inc	CVS Health	Northern Light Health	Humana	Walmart / Sam's
Maryland	CVS Health	Walgreens Boots Alliance Inc	Soliant Pharmacy	Walmart / Sam's	Albertsons
Massachusetts	CVS Health	Walgreens Boots Alliance Inc	Soliant Pharmacy	Dana Farber Cancer Institute	Beth Israel Deaconess Medical Center
Michigan	CVS Health	Walgreens Boots Alliance Inc	Spartannash	Walmart / Sam's	University of Michigan
Minnesota	CVS Health	Walgreens Boots Alliance Inc	Fairview Health Services	Anthem Blue Cross	UnitedHealth Group
Mississippi	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Baptist Memorial Health Care Corporation	Soliant Pharmacy
Missouri	CVS Health	Walgreens Boots Alliance Inc	Anthem Blue Cross	Ssm Health	Walmart / Sam's
Montana	Walgreens Boots Alliance Inc	Soliant Pharmacy	CVS Health	Billings Clinic	Albertsons

2021 Top 5 Employer Job Listings by State: Pharmacists *(continued)*

State	1	2	3	4	5
Nebraska	CVS Health	Soliant Pharmacy	Walgreens Boots Alliance Inc	Walmart / Sam's	Humana
Nevada	Anthem Blue Cross	CVS Health	Soliant Pharmacy	Walgreens Boots Alliance Inc	Hospital Corporation of America
New Hampshire	CVS Health	Walgreens Boots Alliance Inc	Dartmouth-Hitchcock Medical Center	Soliant Pharmacy	Walmart / Sam's
New Jersey	CVS Health	Walgreens Boots Alliance Inc	Hackensack Meridian Health	RWJ-Barnabas Health	Anthem Blue Cross
New Mexico	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Presbyterian Healthcare Services	Humana
New York	CVS Health	Walgreens Boots Alliance Inc	Northwell Health	Kinney Drugs	Soliant Pharmacy
North Carolina	CVS Health	Walgreens Boots Alliance Inc	UNC Health Care System	Walmart / Sam's	Duke University
North Dakota	CVS Health	Sanford Health	Humana	Essentia Health	Soliant Pharmacy
Ohio	CVS Health	Anthem Blue Cross	Walgreens Boots Alliance Inc	Walmart / Sam's	Cleveland Clinic
Oklahoma	CVS Health	Walgreens Boots Alliance Inc	Walgreens Boots Alliance Inc	University of Oklahoma	Ssm Health
Oregon	Walgreens Boots Alliance Inc	Albertsons	Oregon Health & Science University	Soliant Pharmacy	CVS Health
Pennsylvania	CVS Health	Penn Medicine	University of Pittsburgh Medical Center	Walgreens Boots Alliance Inc	Geisinger
Puerto Rico	Walgreens Boots Alliance Inc	CVS Health	Humana	Comprehensive Pharmacy Services	Department of Veterans Affairs
Rhode Island	CVS Health	Walgreens Boots Alliance Inc	Humana	Care New England Health System	Soliant Pharmacy
South Carolina	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Medical University of South Carolina	Department of Veterans Affairs
South Dakota	Walmart / Sam's	Humana	The City of Rapid City	Avera Health	Walgreens Boots Alliance Inc
Tennessee	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Vanderbilt University Medical Center	Hospital Corporation of America
Texas	CVS Health	Walgreens Boots Alliance Inc	Baylor Scott & White Health	Walmart / Sam's	Anthem Blue Cross
Utah	CVS Health	Intermountain Healthcare	Walmart / Sam's	Walgreens Boots Alliance Inc	Humana
Vermont	Walgreens Boots Alliance Inc	CVS Health	Humana	Kinney Drugs	Soliant Pharmacy
Virginia	CVS Health	Anthem Blue Cross	Walgreens Boots Alliance Inc	Walmart / Sam's	University of Virginia
Washington	Walgreens Boots Alliance Inc	Albertsons	CVS Health	Safeway Incorporated	Haggen Incorporated
West Virginia	Walgreens Boots Alliance Inc	CVS Health	Walmart / Sam's	Kroger Company	Soliant Pharmacy
Wisconsin	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Ssm Health	ProHealth Care
Wyoming	Walmart / Sam's	CVS Health	Albertsons	Cardinal Health, Inc	Walgreens Boots Alliance Inc

2021 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	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	Southeastern Grocers	Ascension Health
Alaska	Kroger Company	CVS Health	Walmart / Sam's	Fred Meyer	Fairbanks Memorial Hospital
Arizona	CVS Health	Walgreens Boots Alliance Inc	Banner Health System	UnitedHealth Group	Walmart / Sam's
Arkansas	Walmart / Sam's	Kroger Company	CVS Health	Walgreens Boots Alliance Inc	University of Arkansas
California	CVS Health	Walgreens Boots Alliance Inc	Rite Aid Corporation	Walmart / Sam's	Soliant Pharmacy
Colorado	Kroger Company	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	UC Health
Connecticut	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Yale-New Haven Health System	Rite Aid Corporation
Delaware	CVS Health	Walgreens Boots Alliance Inc	Christiana Care	Walmart / Sam's	Rite Aid Corporation
District of Columbia	CVS Health	Medstar Health	Maxor National Pharmacy Services	Walgreens Boots Alliance Inc	Sibley Memorial Hospital
Florida	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Hospital Corporation of America	Adventhealth
Georgia	CVS Health	Kroger Company	Walgreens Boots Alliance Inc	Walmart / Sam's	Wellstar Health System
Hawaii	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Pharmerica	Queen's Health Systems
Idaho	St Lukes Health System	Walgreens Boots Alliance Inc	Walmart / Sam's	CVS Health	Albertsons
Illinois	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Amita Health	Northwestern Memorial Healthcare
Indiana	CVS Health	Kroger Company	Amazon	Walmart / Sam's	Walgreens Boots Alliance Inc
Iowa	Hy-Vee	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	UnityPoint Health
Kansas	CVS Health	Walmart / Sam's	Kroger Company	University of Kansas	Walgreens Boots Alliance Inc
Kentucky	CVS Health	Kroger Company	Walmart / Sam's	Walgreens Boots Alliance Inc	UofL Health
Louisiana	CVS Health	Walgreens Boots Alliance Inc	Ochsner Health	Walmart / Sam's	Baton Rouge General
Maine	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Northern Light Health	MaineHealth
Maryland	CVS Health	Walgreens Boots Alliance Inc	Soliant Pharmacy	Walmart / Sam's	Giant of Maryland LLC
Massachusetts	CVS Health	Walgreens Boots Alliance Inc	Soliant Pharmacy	Walmart / Sam's	Steward Health Care
Michigan	CVS Health	Meijer	Rite Aid Corporation	Walgreens Boots Alliance Inc	Walmart / Sam's
Minnesota	CVS Health	Walmart / Sam's	Fairview Health Services	Walgreens Boots Alliance Inc	Hy-Vee
Mississippi	CVS Health	Walmart / Sam's	Kroger Company	Walgreens Boots Alliance Inc	University of Mississippi Medical Center
Missouri	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	Mercy	SSM Health

2021 Top 5 Employer Job Listings by State: Pharmacy Technicians *(continued)*

State	1	2	3	4	5
Montana	Billing Clinic	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Providence Health & Services
Nebraska	Walgreens Boots Alliance Inc	Walmart / Sam's	CVS Health	Hy-Vee	UnitedHealth Group
Nevada	CVS Health	Walmart / Sam's	Walgreens Boots Alliance Inc	Smiths Food Drug	Kroger Company
New Hampshire	CVS Health	Rite Aid Corporation	Dartmouth-Hitchcock Medical Center	Walgreens Boots Alliance Inc	Walmart / Sam's
New Jersey	CVS Health	Walgreens Boots Alliance Inc	Rite Aid Corporation	Walmart / Sam's	Hackensack Meridian Health
New Mexico	Walgreens Boots Alliance Inc	Walmart / Sam's	CVS Health	Presbyterian Healthcare Services	Kroger Company
New York	CVS Health	Rite Aid Corporation	Walgreens Boots Alliance Inc	Walmart / Sam's	Soliant Pharmacy
North Carolina	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	UNC Health Care System	Harris Teeter
North Dakota	Sanford Health	Thrifty White Pharmacy	Walmart / Sam's	CVS Health	Altru Health System
Ohio	CVS Health	Kroger Company	Giant Eagle Supermarkets	Rite Aid Corporation	Walmart / Sam's
Oklahoma	Walmart / Sam's	CVS Health	Walgreens Boots Alliance Inc	Integrus Health	University of Oklahoma
Oregon	Walgreens Boots Alliance Inc	Rite Aid Corporation	Kroger Company	Fred Meyer	CVS Health
Pennsylvania	CVS Health	Rite Aid Corporation	Giant Eagle Supermarkets	Walmart / Sam's	Penn Medicine
Puerto Rico	Walgreens Boots Alliance Inc	CVS Health	Comprehensive Pharmacy Services	Cardinal Health, Inc	Kroger Company
Rhode Island	CVS Health	Walgreens Boots Alliance Inc	Care New England Health System	Charter Care Health Partners	Walmart / Sam's
South Carolina	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Medical University of South Carolina	Prisma Health
South Dakota	Avera Health	Walgreens Boots Alliance Inc	Samford Health	Walmart / Sam's	The City of Rapid City
Tennessee	Kroger Company	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Food City
Texas	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Baylor Scott & White Health	Kroger Company
Utah	Intermountain Healthcare	Walgreens Boots Alliance Inc	Smiths Food Drug	CVS Health	Walmart / Sam's
Vermont	CVS Health	Walgreens Boots Alliance Inc	Soliant Pharmacy	University of Vermont	Rite Aid Corporation
Virginia	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Kroger Company	Rite Aid Corporation
Washington	CVS Health	Rite Aid Corporation	Walgreens Boots Alliance Inc	Kroger Company	Walmart / Sam's
West Virginia	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Kroger Company	West Virginia University Hospitals
Wisconsin	CVS Health	Walgreens Boots Alliance Inc	Walmart / Sam's	Aurora Health Care	ProHealth Care
Wyoming	Walmart / Sam's	Walgreens Boots Alliance Inc	Kroger Company	Department of Veteran Affairs	CVS Health

2021 State Total Data: Postings

State	Clinical Pharmacist		Hospital Pharmacist		Other Pharmacist Occupations		Pharmacy Director		Retail Pharmacist		All Pharmacist Positions		Pharmacy Technician	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Alabama	75	89	8	34	29	48	13	38	341	907	466	1116	1182	2031
Alaska	38	43	15	37	8	25	14	24	93	187	168	316	207	330
Arizona	267	289	91	117	118	195	64	131	922	1167	1462	1899	7458	5104
Arkansas	67	92	15	16	57	44	18	20	189	389	346	561	630	990
California	1238	1517	369	501	585	772	451	480	2552	3530	5195	6800	12874	15284
Colorado	281	381	42	97	118	132	55	86	355	624	851	1320	2898	3698
Connecticut	195	162	23	25	84	149	31	43	315	510	648	889	1332	1667
Delaware	51	100	10	11	13	28	7	5	97	177	178	321	268	392
District of Columbia	69	73	0	1	22	24	25	16	43	91	159	205	269	297
Florida	898	1075	94	82	300	396	110	137	1457	2247	2859	3937	7553	10417
Georgia	286	311	63	63	141	100	43	78	761	1290	1294	1842	2847	3913
Hawaii	19	40	2	12	7	25	3	7	106	181	137	265	321	545
Idaho	139	119	3	28	33	44	21	26	138	298	334	515	617	1001
Illinois	344	482	75	175	150	275	78	100	666	1251	1313	2283	4346	5675
Indiana	176	184	39	67	154	185	26	41	728	1380	1123	1857	2902	4278
Iowa	90	120	9	22	29	56	13	28	275	411	416	637	1068	1343
Kansas	109	114	30	37	45	69	12	20	152	323	348	563	1055	1435
Kentucky	184	218	32	49	64	84	77	72	325	560	682	983	1941	2183
Louisiana	134	165	77	51	36	107	36	82	379	604	662	1009	1502	2144
Maine	46	33	13	6	15	11	5	11	73	197	152	258	403	391
Maryland	180	154	39	42	79	90	15	32	437	761	750	1079	2025	3002
Massachusetts	329	277	36	50	198	225	54	52	585	1069	1202	1673	3386	3779
Michigan	297	381	83	66	240	281	63	88	574	1086	1257	1902	5009	6561
Minnesota	176	191	45	77	106	127	36	58	401	724	764	1177	2357	2831
Mississippi	58	76	11	31	8	26	14	22	210	389	301	544	666	989
Missouri	283	289	30	63	99	108	35	79	461	749	908	1288	2079	2503
Montana	35	44	5	53	15	23	20	25	106	230	181	375	326	465
Nebraska	52	48	50	42	28	27	11	23	178	279	319	419	807	771
Nevada	155	149	41	56	63	46	48	72	228	248	535	571	1091	1159
New Hampshire	114	74	3	42	33	53	17	17	166	211	333	397	1114	755
New Jersey	245	271	74	78	218	276	34	30	648	1144	1219	1799	3502	4409
New Mexico	45	86	45	46	33	31	20	49	130	180	273	392	513	720

2021 State Total Data: Postings *(continued)*

State	Clinical Pharmacist		Hospital Pharmacist		Other Pharmacist Occupations		Pharmacy Director		Retail Pharmacist		All Pharmacist Positions		Pharmacy Technician	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
New York	326	361	60	89	225	288	86	95	1376	2108	2073	2941	4487	5906
North Carolina	348	385	56	52	132	239	76	80	642	984	1254	1740	3392	4709
North Dakota	18	25	4	12	23	23	16	24	67	116	128	200	124	192
Ohio	459	378	63	110	341	246	92	105	696	1137	1651	1976	6587	6770
Oklahoma	62	91	38	32	45	50	16	37	291	524	452	734	1059	1467
Oregon	73	189	23	41	45	96	33	77	261	611	435	1014	1249	1819
Pennsylvania	396	459	127	139	223	224	89	69	1219	1560	2054	2451	4685	5866
Puerto Rico	12	32	1	1	2	5	4	4	89	114	108	156	118	132
Rhode Island	80	44	12	15	24	15	11	15	155	181	282	270	404	468
South Carolina	130	149	23	22	38	54	30	40	348	636	569	901	1264	1714
South Dakota	20	40	0	5	17	24	2	10	33	104	72	183	184	298
Tennessee	275	280	17	24	86	91	53	59	403	605	834	1059	2435	3366
Texas	816	867	129	180	325	432	222	269	1551	2429	3043	4177	10237	12929
Utah	65	128	11	10	26	37	20	47	87	198	209	420	1117	1387
Vermont	6	19	2	3	10	12	1	16	100	158	119	208	184	194
Virginia	228	297	20	28	84	183	49	94	541	915	922	1517	2461	3433
Washington	175	250	82	86	91	156	50	90	542	1047	940	1629	2669	3488
West Virginia	52	35	1	12	11	10	22	16	125	226	211	299	370	588
Wisconsin	138	212	49	46	54	116	42	58	477	623	760	1055	2308	2822
Wyoming	8	9	2	7	3	11	7	3	38	55	58	85	86	147
Total:	10362	11897	2192	2991	4933	6394	2390	3200	23132	37725	43009	62207	119968	148757
		15%		36%		30%		34%		63%		45%		24%

2020–2021 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		
	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change
AL	7.26	9.27	28%	3.66	15.56	325%	2.81	5.00	78%	1.26	3.96	214%	32.99	94.42	186%	45.09	116.18	158%	174.08	299.12	72%
AK	37.92	42.91	13%	14.97	36.93	147%	7.98	24.95	213%	13.97	23.95	71%	92.81	186.63	101%	167.66	315.37	88%	339.34	540.98	59%
AZ	22.16	23.98	8%	7.55	9.71	29%	9.79	16.18	65%	5.31	10.87	105%	76.51	96.84	27%	121.32	157.58	30%	806.27	551.78	-32%
AR	10.24	14.07	37%	2.29	2.45	7%	8.72	6.73	-23%	2.75	3.06	11%	28.90	59.48	106%	52.91	85.78	62%	137.86	216.63	57%
CA	25.83	31.47	22%	7.70	10.39	35%	12.21	16.02	31%	9.41	9.96	6%	53.25	73.23	38%	108.40	141.07	30%	356.62	423.38	19%
CO	31.82	42.03	32%	4.76	10.70	125%	13.36	14.56	9%	6.23	9.49	52%	40.19	68.84	71%	96.35	145.63	51%	507.53	647.64	28%
CT	35.17	29.22	-17%	4.15	4.51	9%	15.15	26.87	77%	5.59	7.75	39%	56.81	91.97	62%	116.86	160.32	37%	352.38	441.01	25%
DE	21.12	41.41	96%	4.14	4.55	10%	5.38	11.59	115%	2.90	2.07	-29%	40.17	73.29	82%	73.71	132.92	80%	211.02	308.66	46%
DC	33.74	35.85	6%	0.00	0.49	-	10.76	11.79	10%	12.22	7.86	-36%	21.03	44.70	113%	77.75	100.69	30%	407.58	450.00	10%
FL	26.29	30.01	14%	2.75	2.29	-17%	8.78	11.05	26%	3.22	3.82	19%	42.66	62.72	47%	83.70	109.90	31%	253.12	349.10	38%
GA	18.80	20.44	9%	4.14	4.14	0%	9.27	6.57	-29%	2.83	5.13	81%	50.01	84.78	70%	85.04	121.06	42%	252.17	346.59	37%
HI	7.75	16.32	111%	0.82	4.90	500%	2.86	10.20	257%	1.22	2.86	133%	43.25	73.85	71%	55.90	108.12	93%	173.51	294.59	70%
ID	34.05	32.84	-4%	0.73	7.73	951%	8.08	12.14	50%	5.14	7.17	39%	33.81	82.23	143%	81.82	142.11	74%	273.01	442.92	62%
IL	18.65	22.82	22%	4.07	8.29	104%	8.13	13.02	60%	4.23	4.73	12%	36.11	59.23	64%	71.18	108.09	52%	218.61	285.46	31%
IN	15.31	16.00	5%	3.39	5.83	72%	13.39	16.09	20%	2.26	3.57	58%	63.32	120.03	90%	97.68	161.52	65%	296.42	436.98	47%
IA	14.18	18.23	29%	1.42	3.34	136%	4.57	8.51	86%	2.05	4.25	108%	43.31	62.45	44%	65.52	96.79	48%	274.55	345.24	26%
KS	15.07	14.77	-2%	4.15	4.79	16%	6.22	8.94	44%	1.66	2.59	56%	21.01	41.86	99%	48.11	72.96	52%	246.50	335.28	36%
KY	17.09	19.93	17%	2.97	4.48	51%	5.94	7.68	29%	7.15	6.58	-8%	30.18	51.19	70%	63.34	89.86	42%	190.11	213.81	12%
LA	14.57	17.71	22%	8.37	5.47	-35%	3.91	11.48	193%	3.91	8.80	125%	41.20	64.83	57%	71.96	108.30	51%	250.75	357.93	43%
ME	20.00	14.08	-30%	5.65	2.56	-55%	6.52	4.69	-28%	2.17	4.69	116%	31.74	84.08	165%	66.09	110.12	67%	176.75	171.49	-3%
MD	14.72	12.59	-14%	3.19	3.43	8%	6.46	7.36	14%	1.23	2.62	113%	35.74	62.23	74%	61.33	88.24	44%	291.79	432.56	48%
MA	23.61	19.74	-16%	2.58	3.56	38%	14.21	16.04	13%	3.87	3.71	-4%	41.98	76.20	82%	86.25	119.25	38%	387.41	432.38	12%
MI	17.91	22.59	26%	5.01	3.91	-22%	14.47	16.66	15%	3.80	5.22	37%	34.62	64.39	86%	75.81	112.76	49%	358.04	468.98	31%
MN	19.48	20.82	7%	4.98	8.39	68%	11.73	13.84	18%	3.99	6.32	59%	44.39	78.90	78%	84.58	128.27	52%	292.80	351.68	20%
MS	9.12	11.62	27%	1.73	4.74	174%	1.26	3.98	216%	2.20	3.36	53%	33.03	59.48	80%	47.35	83.18	76%	186.03	276.26	48%
MO	25.00	24.45	-2%	2.65	5.33	101%	8.75	9.14	4%	3.09	6.68	116%	40.72	63.36	56%	80.21	108.95	36%	207.28	249.55	20%
MT	16.58	20.00	21%	2.37	24.09	917%	7.11	10.45	47%	9.47	11.36	20%	50.21	104.55	108%	85.74	170.45	99%	271.67	387.50	43%
NE	9.46	8.74	-8%	9.10	7.64	-16%	5.10	4.91	-4%	2.00	4.19	109%	32.39	50.77	57%	58.05	76.25	31%	317.72	303.54	-4%
NV	20.08	19.30	-4%	5.31	7.25	37%	8.16	5.96	-27%	6.22	9.33	50%	29.53	32.12	9%	69.29	73.95	7%	259.14	275.30	6%
NH	39.15	26.18	-33%	1.03	14.86	1342%	11.33	18.75	65%	5.84	6.01	3%	57.01	74.64	31%	114.35	140.43	23%	592.55	401.60	-32%
NJ	13.60	15.04	11%	4.11	4.33	5%	12.10	15.32	27%	1.89	1.66	-12%	35.96	63.49	77%	67.65	99.84	48%	336.73	423.94	26%
NM	14.68	27.23	85%	14.68	14.57	-1%	10.77	9.82	-9%	6.53	15.52	138%	42.41	57.00	34%	89.07	124.13	39%	206.02	289.16	40%

2020–2021 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		
	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change	2020	2021	% Change
NY	12.02	12.53	4%	2.21	3.09	40%	8.30	9.99	20%	3.17	3.30	4%	50.75	73.15	44%	76.46	102.06	33%	236.53	311.33	32%
NC	20.46	22.27	9%	3.29	3.01	-9%	7.76	13.83	78%	4.47	4.63	4%	37.74	56.93	51%	73.73	100.67	37%	247.41	343.47	39%
ND	7.71	11.17	45%	1.71	5.36	213%	9.85	10.28	4%	6.85	10.72	57%	28.68	51.83	81%	54.79	89.37	63%	140.91	218.18	55%
OH	21.88	17.26	-21%	3.00	5.02	67%	16.25	11.23	-31%	4.39	4.79	9%	33.18	51.90	56%	78.70	90.20	15%	385.43	396.14	3%
OK	7.91	11.17	41%	4.85	3.93	-19%	5.74	6.13	7%	2.04	4.54	122%	37.13	64.29	73%	57.67	90.06	56%	217.45	301.23	39%
OR	8.60	20.99	144%	2.71	4.55	68%	5.30	10.66	101%	3.89	8.55	120%	30.75	67.84	121%	51.25	112.59	120%	248.80	362.35	46%
PA	16.11	19.55	21%	5.17	5.92	15%	9.07	9.54	5%	3.62	2.94	-19%	49.58	66.46	34%	83.54	104.42	25%	247.88	310.37	25%
PR	2.25	5.99	167%	0.19	0.19	0%	0.37	0.94	150%	0.75	0.75	0%	16.67	21.35	28%	20.22	29.21	44%	22.26	24.91	12%
RI	36.61	20.14	-45%	5.49	6.86	25%	10.98	6.86	-38%	5.03	6.86	36%	70.94	82.84	17%	129.06	123.57	-4%	228.25	264.41	16%
SC	13.74	16.22	18%	2.43	2.40	-1%	4.02	5.88	46%	3.17	4.36	37%	36.79	69.25	88%	60.16	98.11	63%	195.36	264.91	36%
SD	9.78	19.18	96%	0.00	2.40	-	8.31	11.51	39%	0.98	4.80	391%	16.13	49.88	209%	35.19	87.77	149%	142.64	231.01	62%
TN	21.90	22.30	2%	1.35	1.91	41%	6.85	7.25	6%	4.22	4.70	11%	32.10	48.18	50%	66.42	84.34	27%	217.61	300.80	38%
TX	22.88	23.98	5%	3.62	4.98	38%	9.11	11.95	31%	6.22	7.44	20%	43.48	67.18	55%	85.31	115.53	35%	279.01	352.38	26%
UT	15.88	30.07	89%	2.69	2.35	-13%	6.35	8.69	37%	4.89	11.04	126%	21.25	46.51	119%	51.05	98.66	93%	275.12	341.63	24%
VT	4.87	15.48	218%	1.62	2.44	50%	8.12	9.78	20%	0.81	13.04	1505%	81.23	128.77	59%	96.67	169.52	75%	262.86	277.14	5%
VA	14.60	18.38	26%	1.28	1.73	35%	5.38	11.32	111%	3.14	5.82	85%	34.64	56.62	63%	59.04	93.88	59%	256.62	357.98	39%
WA	15.95	22.79	43%	7.48	7.84	5%	8.30	14.22	71%	4.56	8.20	80%	49.41	95.45	93%	85.70	148.51	73%	344.83	450.65	31%
WV	9.42	6.34	-33%	0.18	2.17	1100%	1.99	1.81	-9%	3.98	2.90	-27%	22.64	40.93	81%	38.21	54.15	42%	117.83	187.26	59%
WI	15.43	23.71	54%	5.48	5.14	-6%	6.04	12.97	115%	4.70	6.49	38%	53.34	69.67	31%	84.99	117.98	39%	278.41	340.41	22%
WY	5.55	6.26	13%	1.39	4.87	251%	2.08	7.65	268%	4.86	2.09	-57%	26.37	38.27	45%	40.25	59.15	47%	153.57	262.50	71%

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	Concentration	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	Similar	-	-	57	Much Harder	26	Easier	33	Similar
VA	33	Much Harder	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	Similar	38	Similar	40	Similar	27	Similar	25	Similar
WY	51	Easier	55	Much Harder	53	Much Harder	33	Similar	45	Much Harder