

# 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.

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Colleges of Pharmacy

American College of  
Clinical Pharmacy

American Pharmacists  
Association

American Society of  
Health-System Pharmacists

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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	842	724	-14%	440	530	<b>20%</b>	372	514	38%	424	532	25%	2,078	2,300	11%
South	1,511	1,667	10%	565	1,101	<b>95%</b>	969	1,008	4%	909	1,080	19%	3,954	4,856	23%
Midwest	1,214	992	-18%	401	776	<b>94%</b>	440	616	40%	614	791	29%	2,669	3,175	19%
West	1,693	1,255	-26%	709	1,162	<b>64%</b>	740	1,011	37%	796	1,156	45%	3,938	4,584	16%
Total:	5,260	4,638	-12%	2115	3,569	<b>69%</b>	2,521	3,149	25%	2,743	3,559	30%	12,639	14,915	18%

The regional summary charts shows growth in pharmacist job postings for every quarter in 2021 except for Q1, compared to the respective quarter in 2020.

The quarter with the most significant growth in 2021 was Q2. This quarter saw the largest reduction in job postings in 2021.

The pharmacist profession saw an 18% growth in job postings in 2021, with the largest growth region being the South (23%) and the smallest growth region being the Northeast (11%). 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	8,690	8,282	-5%	5,506	6,198	<b>13%</b>	4,272	5,363	26%	5,340	6,343	19%	23,808	26,186	10%
South	16,435	19,574	19%	9,686	13,038	<b>35%</b>	10,085	11,815	17%	11,410	15,587	37%	47,616	60,014	26%
Midwest	12,082	12,421	3%	6,892	8,422	<b>22%</b>	6,544	8,193	25%	8,214	10,186	24%	33,732	39,222	16%
West	11,238	14,571	30%	6,580	8,849	<b>34%</b>	8,135	7,821	-4%	9,387	9,674	3%	35,340	40,915	16%
Total:	48,445	54,848	13%	28,664	36,507	<b>27%</b>	29,036	33,192	14%	34,351	41,790	22%	140,496	166,337	18%

Overall, the regional summary charter shows growth in pharmacy technician job postings for each quarter in 2021, compared with the respective quarter in 2020.

Pharmacy Technicians saw an 18% growth in job postings in 2021, with the largest growth region being the South (26%) and the smallest growth region being the Northeast (10%).

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*
Iowa	10	1.58	39	5.93	<b>276%</b>
South Dakota	6	2.93	21	10.07	<b>243%</b>
Minnesota	27	2.99	94	10.24	<b>243%</b>
Utah	13	3.18	36	8.46	<b>166%</b>
Connecticut	23	4.15	60	10.82	<b>161%</b>
Mississippi	8	1.26	21	3.21	<b>155%</b>
Idaho	28	6.86	63	17.38	<b>153%</b>
Delaware	6	2.48	15	6.21	<b>150%</b>
Oregon	63	7.42	160	17.77	<b>139%</b>
Arkansas	14	2.14	31	4.74	<b>121%</b>

### Occupation with the Largest Growth

While all positions across the pharmacist profession saw overall growth, the Retail Pharmacist position experienced the most in job postings in 2021. Overall, there was a total of 5,051 postings. When compared to the 3,928 postings in 2020, this represents a growth of 29%. In total, 43 states had growth in retail pharmacist job postings, and 9 states saw a loss in this category. In 2020, the occupation with the largest growth was Clinical Pharmacists.

## Occupation with Greatest Loss: Hospital Pharmacist

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
Wyoming	1	0.69	0	0.00	<b>-100%</b>
Louisiana	33	3.59	5	0.54	<b>-85%</b>
Delaware	2	0.83	1	0.41	<b>-50%</b>
Oklahoma	9	1.15	5	0.61	<b>-47%</b>
Maryland	19	1.55	11	0.90	<b>-42%</b>
Texas	73	2.05	51	1.41	<b>-31%</b>
New Mexico	22	7.18	16	5.07	<b>-29%</b>
Rhode Island	4	1.83	3	1.37	<b>-25%</b>
Maine	10	4.35	8	3.41	<b>-21%</b>
Washington	35	3.19	28	2.55	<b>-20%</b>

### Occupation with the Greatest Loss

While experiencing overall growth, the Hospital Pharmacist job postings saw a loss in the most states (when compared to other positions). Overall, there was a total of 1,028 postings, compared to 914 postings in 2020, a growth of 12%. In total, 20 states had growth in this category, 11 remained the same, and 21 states saw a loss. In 2020, the Hospital Pharmacist job postings also saw the largest loss.

## Pharmacist Profession Postings: Largest Growth

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
South Dakota	11	5.38	37	17.75	<b>230%</b>
Vermont	6	4.87	19	15.48	<b>218%</b>
Alabama	47	4.55	108	11.24	<b>147%</b>
Mississippi	19	2.99	47	7.19	<b>140%</b>
Montana	35	16.58	79	35.91	<b>117%</b>
Oregon	118	13.90	271	30.09	<b>116%</b>
Idaho	84	20.58	145	40.01	<b>94%</b>
Wyoming	10	6.94	19	13.22	<b>91%</b>
Alaska	40	39.92	73	72.85	<b>83%</b>
Arkansas	58	8.87	101	15.44	<b>74%</b>

### Growth and Loss of the Entire Pharmacist Profession

In 2020, the Pharmacist Profession overall job postings experienced growth in only 10 states, a loss in 41 states, and Puerto Rico remained the same. In 2021, the Pharmacist Profession overall job postings experienced growth in 41 states, a loss in 10, and the State of Maine remained the same. This is a complete reversal from 2020, indicating that the profession has responded positively to loss in job postings experienced during the height of COVID-19 pandemic.

## Pharmacist Profession Postings: Greatest Loss

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
Massachusetts	258	18.51	205	14.61	<b>-21%</b>
Rhode Island	68	31.12	55	25.17	<b>-19%</b>
Maryland	196	16.03	163	13.33	<b>-17%</b>
Wisconsin	183	20.47	157	17.56	<b>-14%</b>
Ohio	726	34.61	655	29.90	<b>-14%</b>
Louisiana	186	20.22	166	17.82	<b>-12%</b>
New Hampshire	73	25.07	65	22.99	<b>-8%</b>
West Virginia	32	5.80	30	5.43	<b>-6%</b>
California	2232	46.57	2197	45.58	<b>-2%</b>
New Mexico	94	30.67	95	30.08	<b>-2%</b>

\*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*
Idaho	712	325.11	1220	539.82	<b>66%</b>
Maryland	2525	330.50	3382	487.32	<b>47%</b>
Alaska	241	408.47	364	596.72	<b>46%</b>
South Dakota	217	173.60	318	246.51	<b>42%</b>
Delaware	324	238.24	426	335.43	<b>41%</b>
Alabama	1452	213.84	2039	300.29	<b>40%</b>
Hawaii	420	234.64	598	323.24	<b>38%</b>
Arkansas	748	153.28	961	210.28	<b>37%</b>
Wyoming	111	194.74	149	266.07	<b>37%</b>
Indiana	3561	370.55	4955	506.13	<b>37%</b>

## Pharmacist Technician Postings: Greatest Loss

State	2020 Postings	2020 Postings Quotient	2021 Postings	2021 Postings Quotient	Postings Quotient Change*
New Hampshire	1274	681.28	953	506.91	<b>-26%</b>
Maine	534	235.24	439	192.54	<b>-18%</b>
Arizona	7997	898.54	6933	749.51	<b>-17%</b>
Nebraska	919	366.14	838	329.92	<b>-10%</b>
Kentucky	2278	257.69	2481	243.00	<b>-6%</b>
Nevada	1212	323.20	1315	312.35	<b>-3%</b>
Vermont	221	298.65	207	295.71	<b>-1%</b>
Ohio	7472	453.67	7714	451.38	<b>-1%</b>
Missouri	2533	254.06	2701	269.29	<b>6%</b>
Pennsylvania	5780	316.71	6396	338.41	<b>7%</b>

### Growth and Loss of Pharmacist Technicians

In 2021, there were 166,479 Pharmacy Technician postings. When compared to the 140,623 postings in 2020, this is a growth of 18%. Overall, Pharmacy Technicians saw growth in 44 states and a loss in 8 states.

\*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
Anthem Blue Cross	1794	2005	12%
Publix	223	350	57%
Hospital Corporation of America	259	350	35%
Rite Aid Corporation	264	320	21%
UnitedHealth Group	110	309	181%
Humana	151	277	83%
Walgreens Boots Alliance Inc	118	235	99%
Soliant Pharmacy	-	215	-
CVS Health	236	202	-14%
Kroger Company	-	180	-

## 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	Publix	Walgreens Boots Alliance Inc	UnitedHealth Group	East Alabama Medical Center	Humana
Alaska	Humana	Soliant Pharmacy	Alaska Regional Hospital	Hospital Corporation of America	Southeast Alaska Regional Health Consortium
Arizona	HonorHealth	UnitedHealth Group	Kroger Company	CVS Health	Cigna Corporation
Arkansas	University of Arkansas	Anthem Blue Cross	Baptist Health Arkansas	Humana	Arkansas Children's
California	Anthem Blue Cross	Kaiser Permanente	Soliant Pharmacy	Rite Aid Corporation	University of California
Colorado	Hospital Corporation of America	Centura Health	Swedish Health Service	Kroger Company	Anthem Blue Cross
Connecticut	Anthem Blue Cross	Yale-New Haven Health System	Westerly Hospital	Walgreens Boots Alliance Inc	Hartford Healthcare
Delaware	Anthem Blue Cross	Humana	Nemours	Gainwell	Trinity Health
District of Columbia	Humana	Anthem Blue Cross	Walgreens Boots Alliance Inc	GWU Medical Faculty Associates	Maxor National Pharmacy Services
Florida	Publix	Anthem Blue Cross	Hospital Corporation of America	Adventhealth	Baptist Health
Georgia	Publix	Anthem Blue Cross	Piedmont Healthcare	UnitedHealth Group	Emory Healthcare
Hawaii	Hawaii Pacific Health	Kaiser Permanente	UnitedHealth Group	Humana	Adventist Health
Idaho	St Lukes Health System	Amazon	Trinity Health	Kroger Company	Humana
Illinois	Anthem Blue Cross	Northwestern Memorial Healthcare	Loyola	CVS Health	Walgreens Boots Alliance Inc
Indiana	Community Health Network	Cigna Corporation	Comprehensive Pharmacy Services	RX Relief	Anthem Blue Cross
Iowa	Anthem Blue Cross	UnityPoint Health	Trinity Health	University of Utah	Hy-Vee
Kansas	Kroger Company	Hospital Corporation of America	CVS Health	UnitedHealth Group	Wesley Medical Center
Kentucky	Anthem Blue Cross	Humana	Soliant Pharmacy	Baptist Health	Walgreens Boots Alliance Inc
Louisiana	Franciscan Missionaries of Our Lady Health System	Our Lady of Lourdes Regional Medical Center	Anthem Blue Cross	Touro Infirmary	Walgreens Boots Alliance Inc
Maine	Northern Light Health	Anthem Blue Cross	Comprehensive Pharmacy Services	Martins Point Health Care	Humana
Maryland	Anthem Blue Cross	Lifebridge Health	Carefirst	Sinai Hospital of Baltimore	Soliant Pharmacy
Massachusetts	Anthem Blue Cross	Beth Israel Deaconess Medical Center	Lahey Health	Atrius Health	Baystate Health
Michigan	Trinity Health Corporation	University of Michigan	Kroger Company	Henry Ford Health System	Tenet Health System
Minnesota	Anthem Blue Cross	Essentia Health	UnitedHealth Group	Fairview Health Services	Actalent
Mississippi	Walgreens Boots Alliance Inc	Mercy Medical Center Clinton	Humana	Prime Therapeutics	UnitedHealth Group
Missouri	Anthem Blue Cross	BJC Healthcare	Mercy	Hospital Corporation of America	Walgreens Boots Alliance Inc
Montana	Billings Clinic	Soliant Pharmacy	Sidney Health Center	Humana	Community Medical Center
Nebraska	Commonspirit Health	Humana	Southeast Nebraska Cancer Center	Prime Therapeutics	Walgreens Boots Alliance Inc

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

State	1	2	3	4	5
Nevada	Anthem Blue Cross	Renown Health	Soliant Pharmacy	Raley Family of Fine Stores	University Health Services, Inc
New Hampshire	Dartmouth-Hitchcock Medical Center	Amazon	Humana	Anthem Blue Cross	Soliant Pharmacy
New Jersey	Anthem Blue Cross	Hackensack Meridian Health	RWJBarnabas Health	Robert Wood Johnson University Health	Saint Barnabas Health Care System
New Mexico	LifePoint Health	Humana	CVS Health	San Juan Regional Medical Center	Presbyterian Healthcare Services
New York	Anthem Blue Cross	Rite Aid Corporation	Northwell Health	NYU Langone Medical Center	UnitedHealth Group
North Carolina	UNC Health Care System	Novant Health	Anthem Blue Cross	Cone Health	UnitedHealth Group
North Dakota	Essentia Health	Humana	Soliant Pharmacy	Thrifty White Pharmacy	Commonspirit Health
Ohio	Anthem Blue Cross	Cleveland Clinic	Rite Aid Corporation	UC Health	Ohiohealth
Oklahoma	Oklahoma Heart Hospital	Centene Corporation	Brightspring Health Services	Onepoint Patient Care, LLC	University of Oklahoma
Oregon	Kroger Company	Salem Health	Oregon Health & Science University	Rite Aid Corporation	Providence Health & Services
Pennsylvania	Penn Medicine	Rite Aid Corporation	Highmark Health	Lehigh Valley Health Network	Pharmacann Inc
Puerto Rico	Comprehensive Pharmacy Services	Innovacare	Walgreens Boots Alliance Inc	Kroger Company	Prime Therapeutics
Rhode Island	Care New England Health System	Anthem Blue Cross	Humana	UnitedHealth Group	Neighborhood Health Plan RI
South Carolina	Publix	Medical University of South Carolina	State South Carolina	Anthem Blue Cross	Hospital Corporation of America
South Dakota	Avera Health	Humana	Monument Health	Department of Veterans Affairs	Cardinal Health, Inc
Tennessee	Hospital Corporation of America	Cigna Corporation	Anthem Blue Cross	Publix	Walgreens Boots Alliance Inc
Texas	Anthem Blue Cross	Hospital Corporation of America	Parkland Health	UnitedHealth Group	Christus Health
Utah	University of Utah	Hospital Corporation of America	Mountainstar Healthcare	Humana	UnitedHealth Group
Vermont	Soliant Pharmacy	Central Vermont Medical Center	Humana	Dartmouth-Hitchcock Medical Center	Copley Health Systems
Virginia	Anthem Blue Cross	Department of Veterans Affairs	Kabafusion	CVS Health	Bon Secours Mercy Health
Washington	Rite Aid Corporation	University of Washington	Anthem Blue Cross	Bartell Drugs	Swedish Health Service
West Virginia	Anthem Blue Cross	Highmark Health	Comprehensive Pharmacy Services	Humana	West Virginia University Research Corporation
Wisconsin	ProHealth Care	Anthem Blue Cross	Aurora Health Care	Mercy Health	Walgreens Boots Alliance Inc
Wyoming	Humana	Kroger Company	Change Healthcare	Cardinal Health, Inc	CVS Health

# 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 Univeristy 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	11	23	0	13	8	17	1	2	27	53	47	108	1452	2039
Alaska	14	19	7	13	1	7	4	11	14	23	40	73	241	364
Arizona	106	120	46	52	55	103	22	12	215	312	444	599	7997	6933
Arkansas	28	43	0	5	11	19	5	3	14	31	58	101	748	961
California	905	1011	178	170	366	400	138	129	645	487	2232	2197	14588	17377
Colorado	83	91	24	35	57	67	13	15	83	93	260	301	3263	4180
Connecticut	146	106	17	14	34	61	2	5	23	60	222	246	1654	1932
Delaware	19	19	2	1	1	6	1	0	6	15	29	41	324	426
District of Columbia	21	18	0	0	5	11	4	1	7	14	37	44	312	342
Florida	522	616	62	53	146	213	36	60	324	414	1090	1356	8911	11647
Georgia	165	173	33	28	52	37	8	12	132	168	390	418	3356	4263
Hawaii	9	16	2	7	5	5	4	1	4	8	24	37	420	598
Idaho	27	37	1	11	18	31	10	3	28	63	84	145	712	1220
Illinois	173	243	45	70	69	98	12	24	120	213	419	648	5257	6137
Indiana	83	75	9	11	64	76	13	18	64	100	233	280	3561	4955
Iowa	42	37	1	3	3	12	2	4	10	39	58	95	1213	1477
Kansas	34	31	0	5	15	9	3	8	31	55	83	108	1248	1611
Kentucky	76	95	14	22	18	17	14	11	43	53	165	198	2278	2481
Louisiana	54	52	33	5	46	41	6	21	47	47	186	166	1899	2338
Maine	22	18	10	8	6	3	0	5	10	15	48	49	534	439
Maryland	102	65	19	11	36	36	5	8	34	43	196	163	2525	3382
Massachusetts	123	75	14	23	56	41	11	2	54	64	258	205	4230	4367
Michigan	79	123	20	17	147	118	20	26	94	199	360	483	5777	7039
Minnesota	114	99	19	36	23	34	2	7	27	94	185	270	2788	3101
Mississippi	7	11	0	5	4	8	0	2	8	21	19	47	912	1036
Missouri	125	139	11	19	65	46	6	9	75	85	282	298	2533	2701
Montana	5	18	3	17	11	9	0	3	16	32	35	79	388	490
Nebraska	8	11	17	14	3	1	4	8	40	53	72	87	919	838
Nevada	65	99	13	26	40	24	14	15	77	66	209	230	1212	1315
New Hampshire	23	24	0	3	20	21	2	2	28	15	73	65	1274	953
New Jersey	97	99	17	38	102	145	12	3	126	158	354	443	4167	4851
New Mexico	25	37	22	16	15	10	5	13	27	19	94	95	612	768

## 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	152	163	26	27	94	129	7	19	224	318	503	656	5425	6485
North Carolina	101	113	11	15	58	166	11	34	48	58	229	386	4066	5191
North Dakota	3	9	0	11	1	3	2	2	51	32	57	57	167	205
Ohio	227	212	33	38	292	208	31	37	143	160	726	655	7472	7714
Oklahoma	12	13	9	5	22	18	3	6	33	72	79	114	1257	1578
Oregon	22	58	8	15	13	28	12	10	63	160	118	271	1494	2072
Pennsylvania	147	171	26	29	102	92	27	16	244	254	546	562	5780	6396
Puerto Rico	3	10	0	0	3	2	2	1	6	8	14	21	127	142
Rhode Island	37	25	4	3	11	5	0	0	16	22	68	55	523	556
South Carolina	46	55	15	14	17	13	7	11	61	67	146	160	1533	1810
South Dakota	2	9	0	1	3	6	0	0	6	21	11	37	217	318
Tennessee	60	58	2	4	15	28	9	12	52	60	138	162	2808	3699
Texas	383	406	73	51	131	197	84	84	269	332	940	1070	11654	14357
Utah	40	43	2	2	14	8	2	5	13	36	71	94	1260	1480
Vermont	2	4	0	2	1	6	0	5	3	2	6	19	221	207
Virginia	116	149	3	3	19	56	9	27	26	57	173	292	3043	3823
Washington	79	97	35	28	48	57	15	35	140	227	317	444	3042	3969
West Virginia	16	14	0	5	2	5	5	3	9	3	32	30	538	641
Wisconsin	58	30	27	24	19	43	16	16	63	44	183	157	2580	3126
Wyoming	2	5	1	0	2	7	0	1	5	6	10	19	111	149
<b>Total:</b>	<b>4821</b>	<b>5287</b>	<b>914</b>	<b>1028</b>	<b>2369</b>	<b>2803</b>	<b>621</b>	<b>767</b>	<b>3928</b>	<b>5051</b>	<b>12653</b>	<b>14936</b>	<b>140623</b>	<b>166479</b>
		<b>10%</b>		<b>12%</b>		<b>18%</b>		<b>24%</b>		<b>29%</b>		<b>18%</b>		<b>18%</b>

# 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	1.06	2.39	125%	0.00	5.95	-	0.77	1.77	129%	0.10	0.21	115%	2.61	5.52	111%	4.55	11.24	147%	213.84	300.29	40%
AK	13.97	18.96	36%	6.99	12.97	86%	1.00	6.99	600%	3.99	10.98	175%	13.97	22.95	64%	39.92	72.85	83%	408.47	596.72	46%
AZ	8.80	9.96	13%	3.82	4.31	13%	4.56	8.55	87%	1.83	1.00	-45%	17.84	25.89	45%	36.84	49.71	35%	898.54	749.51	-17%
AR	4.28	6.57	54%	0.00	0.76	-	1.68	2.91	73%	0.76	0.46	-40%	2.14	4.74	121%	8.87	15.44	74%	153.28	210.28	37%
CA	18.88	20.97	11%	3.71	3.53	-5%	7.64	8.30	9%	2.88	2.68	-7%	13.46	10.10	-25%	46.57	45.58	-2%	399.02	481.36	21%
CO	9.40	10.04	7%	2.72	3.86	42%	6.45	7.39	15%	1.47	1.65	12%	9.40	10.26	9%	29.44	33.21	13%	582.68	732.05	26%
CT	26.33	19.12	-27%	3.07	2.52	-18%	6.13	11.00	79%	0.36	0.90	150%	4.15	10.82	161%	40.04	44.36	11%	427.39	511.11	20%
DE	7.87	7.87	0%	0.83	0.41	-50%	0.41	2.48	500%	0.41	0.00	-100%	2.48	6.21	150%	12.01	16.98	41%	238.24	335.43	41%
DC	10.27	8.84	-14%	0.00	0.00	-	2.44	5.40	121%	1.96	0.49	-75%	3.42	6.88	101%	18.09	21.61	19%	465.67	518.18	11%
FL	15.28	17.20	13%	1.82	1.48	-18%	4.27	5.95	39%	1.05	1.67	59%	9.49	11.56	22%	31.91	37.85	19%	299.03	390.32	31%
GA	10.84	11.37	5%	2.17	1.84	-15%	3.42	2.43	-29%	0.53	0.79	50%	8.68	11.04	27%	25.63	27.47	7%	295.42	377.59	28%
HI	3.67	6.53	78%	0.82	2.86	250%	2.04	2.04	0%	1.63	0.41	-75%	1.63	3.26	100%	9.79	15.10	54%	234.64	323.24	38%
ID	6.61	10.21	54%	0.24	3.04	1139%	4.41	8.55	94%	2.45	0.83	-66%	6.86	17.38	153%	20.58	40.01	94%	325.11	539.82	66%
IL	9.38	11.50	23%	2.44	3.31	36%	3.74	4.64	24%	0.65	1.14	75%	6.51	10.08	55%	22.71	30.68	35%	249.27	308.70	24%
IN	7.22	6.52	-10%	0.78	0.96	22%	5.57	6.61	19%	1.13	1.57	38%	5.57	8.70	56%	20.27	24.35	20%	370.55	506.13	37%
IA	6.62	5.62	-15%	0.16	0.46	189%	0.47	1.82	286%	0.32	0.61	93%	1.58	5.93	276%	9.14	14.44	58%	284.07	379.69	34%
KS	4.70	4.02	-15%	0.00	0.65	-	2.07	1.17	-44%	0.41	1.04	150%	4.29	7.13	66%	11.47	14.00	22%	295.73	376.40	27%
KY	7.06	8.68	23%	1.30	2.01	55%	1.67	1.55	-7%	1.30	1.01	-23%	3.99	4.85	21%	15.32	18.10	18%	257.69	243.00	-6%
LA	5.87	5.58	-5%	3.59	0.54	-85%	5.00	4.40	-12%	0.65	2.25	246%	5.11	5.04	-1%	20.22	17.82	-12%	308.78	390.32	26%
ME	9.57	7.68	-20%	4.35	3.41	-21%	2.61	1.28	-51%	0.00	2.13	-	4.35	6.40	47%	20.87	20.91	0%	235.24	192.54	-18%
MD	8.34	5.32	-36%	1.55	0.90	-42%	2.94	2.94	0%	0.41	0.65	60%	2.78	3.52	26%	16.03	13.33	-17%	330.50	487.32	47%
MA	8.83	5.35	-39%	1.00	1.64	63%	4.02	2.92	-27%	0.79	0.14	-82%	3.87	4.56	18%	18.51	14.61	-21%	462.30	499.66	8%
MI	4.76	7.29	53%	1.21	1.01	-16%	8.87	7.00	-21%	1.21	1.54	28%	5.67	11.80	108%	21.71	28.64	32%	384.11	503.15	31%
MN	12.62	10.79	-15%	2.10	3.92	87%	2.55	3.71	46%	0.22	0.76	245%	2.99	10.24	243%	20.48	29.42	44%	343.35	385.22	12%
MS	1.10	1.68	53%	0.00	0.76	-	0.63	1.22	94%	0.00	0.31	-	1.26	3.21	155%	2.99	7.19	140%	264.35	289.39	9%
MO	11.04	11.76	6%	0.97	1.61	65%	5.74	3.89	-32%	0.53	0.76	44%	6.63	7.19	9%	24.91	25.21	1%	254.06	269.29	6%
MT	2.37	8.18	245%	1.42	7.73	444%	5.21	4.09	-21%	0.00	1.36	-	7.58	14.55	92%	16.58	35.91	117%	328.81	408.33	24%
NE	1.46	2.00	38%	3.09	2.55	-18%	0.55	0.18	-67%	0.73	1.46	100%	7.28	9.65	33%	13.10	15.83	21%	366.14	329.92	-10%
NV	8.42	12.82	52%	1.68	3.37	100%	5.18	3.11	-40%	1.81	1.94	7%	9.97	8.55	-14%	27.07	29.79	10%	323.20	312.35	-3%
NH	7.90	8.49	7%	0.00	1.06	-	6.87	7.43	8%	0.69	0.71	3%	9.62	5.31	-45%	25.07	22.99	-8%	681.28	506.91	-26%
NJ	5.38	5.49	2%	0.94	2.11	124%	5.66	8.05	42%	0.67	0.17	-75%	6.99	8.77	25%	19.65	24.59	25%	424.77	466.44	10%
NM	8.16	11.72	44%	7.18	5.07	-29%	4.89	3.17	-35%	1.63	4.12	152%	8.81	6.02	-32%	30.67	30.08	-2%	261.54	308.43	18%

# 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	5.61	5.66	1%	0.96	0.94	-2%	3.47	4.48	29%	0.26	0.66	155%	8.26	11.04	34%	18.55	22.77	23%	266.45	341.86	28%
NC	5.94	6.54	10%	0.65	0.87	34%	3.41	9.60	182%	0.65	1.97	204%	2.82	3.36	19%	13.46	22.33	66%	299.85	378.63	26%
ND	1.28	4.02	213%	0.00	4.92	-	0.43	1.34	213%	0.86	0.89	4%	21.83	14.30	-35%	24.40	25.47	4%	187.64	232.95	24%
OH	10.82	9.68	-11%	1.57	1.73	10%	13.92	9.50	-32%	1.48	1.69	14%	6.82	7.30	7%	34.61	29.90	-14%	453.67	451.38	-1%
OK	1.53	1.60	4%	1.15	0.61	-47%	2.81	2.21	-21%	0.38	0.74	92%	4.21	8.83	110%	10.08	13.99	39%	254.45	324.02	27%
OR	2.59	6.44	148%	0.94	1.67	77%	1.53	3.11	103%	1.41	1.11	-21%	7.42	17.77	139%	13.90	30.09	116%	304.90	412.75	35%
PA	5.98	7.28	22%	1.06	1.24	17%	4.15	3.92	-6%	1.10	0.68	-38%	9.92	10.82	9%	22.21	23.94	8%	316.71	338.41	7%
PR	0.56	1.87	233%	0.00	0.00	-	0.56	0.37	-33%	0.37	0.19	-50%	1.12	1.50	33%	2.62	3.93	50%	22.97	26.79	17%
RI	16.93	11.44	-32%	1.83	1.37	-25%	5.03	2.29	-55%	0.00	0.00	-	7.32	10.07	38%	31.12	25.17	-19%	284.24	314.12	11%
SC	4.86	5.99	23%	1.59	1.52	-4%	1.80	1.42	-21%	0.74	1.20	62%	6.45	7.30	13%	15.44	17.42	13%	215.61	279.75	30%
SD	0.98	4.32	342%	0.00	0.48	-	1.47	2.88	96%	0.00	0.00	-	2.93	10.07	243%	5.38	17.75	230%	173.60	246.51	42%
TN	4.78	4.62	-3%	0.16	0.32	100%	1.19	2.23	87%	0.72	0.96	33%	4.14	4.78	15%	10.99	12.90	17%	273.42	330.56	21%
TX	10.74	11.23	5%	2.05	1.41	-31%	3.67	5.45	48%	2.35	2.32	-1%	7.54	9.18	22%	26.35	29.60	12%	302.31	391.31	29%
UT	9.77	10.10	3%	0.49	0.47	-4%	3.42	1.88	-45%	0.49	1.17	140%	3.18	8.46	166%	17.34	22.08	27%	340.54	364.53	7%
VT	1.62	3.26	101%	0.00	1.63	-	0.81	4.89	502%	0.00	4.07	-	2.44	1.63	-33%	4.87	15.48	218%	298.65	295.71	-1%
VA	7.43	9.22	24%	0.19	0.19	-3%	1.22	3.47	185%	0.58	1.67	190%	1.66	3.53	112%	11.08	18.07	63%	294.86	398.64	35%
WA	7.20	8.84	23%	3.19	2.55	-20%	4.38	5.20	19%	1.37	3.19	133%	12.76	20.69	62%	28.90	40.48	40%	425.45	512.79	21%
WV	2.90	2.54	-13%	0.00	0.91	-	0.36	0.91	150%	0.91	0.54	-40%	1.63	0.54	-67%	5.80	5.43	-6%	164.53	204.14	24%
WI	6.49	3.35	-48%	3.02	2.68	-11%	2.12	4.81	126%	1.79	1.79	0%	7.05	4.92	-30%	20.47	17.56	-14%	322.90	377.08	17%
WY	1.39	3.48	151%	0.69	0.00	-100%	1.39	4.87	251%	0.00	0.70	-	3.47	4.18	20%	6.94	13.22	91%	194.74	266.07	37%

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	39	Similar	44	Harder	40	Harder	29	Similar	28	Similar
AK	31	Similar	26	Much Easier	22	Much Easier	37	Similar	28	Similar
AZ	30	Similar	31	Similar	31	Similar	34	Similar	33	Similar
AR	39	Similar	32	Similar	43	Harder	30	Similar	27	Similar
CA	32	Similar	32	Similar	31	Similar	33	Similar	30	Similar
CO	30	Similar	36	Similar	35	Similar	31	Similar	31	Similar
CT	31	Similar	31	Similar	30	Similar	31	Similar	30	Similar
DE	52	Much Harder	54	Much Harder	-	-	27	Easier	37	Harder
DC	30	Similar	-	-	29	Similar	29	Similar	35	Similar
FL	33	Similar	33	Similar	32	Similar	31	Similar	28	Similar
GA	29	Similar	30	Easier	27	Easier	31	Similar	26	Similar
HI	56	Much Harder	57	Much Harder	24	Much Easier	36	Similar	31	Similar
ID	41	Harder	30	Easier	38	Similar	40	Harder	33	Similar
IL	37	Similar	49	Much Harder	32	Similar	36	Similar	31	Similar
IN	36	Similar	46	Much Harder	44	Much Harder	35	Similar	33	Similar
IA	37	Similar	28	Easier	33	Similar	35	Similar	32	Similar
KS	35	Similar	43	Harder	29	Similar	27	Easier	28	Similar
KY	32	Similar	34	Similar	31	Similar	27	Easier	29	Similar
LA	51	Much Harder	45	Harder	41	Harder	34	Similar	32	Similar
ME	39	Similar	46	Much Harder	41	Harder	26	Easier	28	Similar
MD	43	Harder	44	Harder	32	Similar	39	Harder	36	Similar
MA	39	Similar	39	Similar	39	Similar	32	Similar	33	Similar
MI	39	Similar	33	Similar	33	Similar	34	Similar	29	Similar
MN	35	Similar	42	Harder	34	Similar	28	Similar	29	Similar
MS	54	Much Harder	50	Much Harder	53	Much Harder	35	Similar	33	Similar
MO	32	Similar	37	Similar	30	Similar	26	Easier	30	Similar
MT	35	Similar	47	Much Harder	42	Harder	37	Similar	34	Similar
NE	43	Harder	42	Harder	37	Similar	29	Similar	32	Similar
NV	32	Similar	30	Easier	25	Easier	33	Similar	26	Similar
NH	39	Similar	75	Much Harder	42	Harder	38	Similar	34	Similar
NJ	35	Similar	36	Similar	40	Harder	33	Similar	34	Similar
NM	38	Similar	53	Much Harder	33	Similar	33	Similar	32	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	33	Similar	40	Similar	38	Similar	32	Similar	34	Similar
NC	39	Similar	36	Similar	43	Harder	33	Similar	31	Similar
ND	39	Similar	67	Much Harder	44	Much Harder	38	Similar	44	Much Harder
OH	31	Similar	36	Similar	34	Similar	38	Similar	33	Similar
OK	40	Harder	27	Easier	51	Much Harder	29	Similar	26	Similar
OR	33	Similar	49	Much Harder	34	Similar	34	Similar	31	Similar
PA	34	Similar	37	Similar	32	Similar	34	Similar	35	Similar
PR	29	Similar	-	-	50	Much Harder	16	Much Easier	17	Much Easier
RI	27	Easier	57	Much Harder	-		39	Harder	25	Easier
SC	35	Similar	22	Much Easier	32	Similar	32	Similar	29	Similar
SD	38	Similar	-	-	-		33	Similar	31	Similar
TN	36	Similar	50	Much Harder	36	Similar	34	Similar	30	Similar
TX	31	Similar	35	Similar	33	Similar	33	Similar	28	Similar
UT	31	Similar	21	Much Easier	33	Similar	33	Similar	29	Similar
VT	54	Much Harder	-	-	57	Much Harder	28	Similar	38	Harder
VA	33	Similar	26	Much Easier	30	Similar	30	Similar	27	Similar
WA	34	Similar	38	Similar	32	Similar	43	Much Harder	34	Similar
WV	36	Similar	84	Much Harder	34	Similar	28	Similar	25	Easier
WI	33	Similar	33	Similar	35	Similar	29	Similar	29	Similar
WY	51	Much Harder	-	-	55	Much Harder	37	Similar	38	Harder