



American Association of
Colleges of Pharmacy

American College of
Clinical Pharmacy

American Pharmacists
Association

American Society of
Health-System Pharmacists

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The next Pharmacy Demand
Report will be available
October 2021.

Contact Tom Maggio,
Pharmacy Workforce Center
Secretary/Treasurer at
TMaggio@aacp.org or 703-
479-3832 with any PDR-
related questions.

Pharmacy Demand Report (PDR) Executive Summary

Third Quarter 2021

This is the executive summary of the Pharmacy Demand Report (PDR) for the third quarter 2021. An overview of the PDR can be found [online](#).

Pharmacists

There have been 11,356 job postings for pharmacists through the third quarter 2021, compared to 9,901 job postings for pharmacists through the third quarter 2020. Highlights for pharmacist job postings for 2021 include:

- 4,643 job postings were reported for the first quarter (which includes carry over postings from 2020), 3,569 postings were reported for the second quarter and 3,149 were reported for the third quarter;
- The highest number of job postings continue to be in the southern part of the country, followed by the west, midwest, and northeast;
- California had the highest number of job postings (1,669) this quarter, followed by Florida (1,067), Texas (828), New York (507), Illinois (504), Ohio (472), Arizona (441) and Pennsylvania (435). Vermont (13), Wyoming (16), Puerto Rico (18) and West Virginia (23) had the lowest number of job postings;
- The MSAs with the highest number of job postings in the first and in the third quarter were New York-Newark, Los Angeles, and Miami-Fort Lauderdale, while the MSAs with the highest number of job postings in the second quarter were Los Angeles, New York-Newark, and Chicago; and
- The highest number of postings for this quarter were for the Clinical Pharmacist position (4,201) followed by Retail Pharmacist position (3,724), the Other Pharmacist Occupations category (2,104), Hospital Pharmacist position (758), and Pharmacy Director position (569).

Pharmacy Technicians

There were 124,547 pharmacy technicians through the third quarter 2021, compared to 106,145 pharmacy technicians through the third quarter 2020. Highlights for pharmacy technicians for 2021 include:

- 59,409 job postings were reported for the first quarter (includes carry over postings from 2020), 36,507 were reported for the second quarter, and 33,192 were reported for the third quarter;
- The highest number of job postings continue to be in the southern part of the country, followed by the west, midwest, and northeast;
- California had the highest number of job postings (13,202) this quarter, followed by Texas (10,889), Florida (8,842), Ohio (5,764), and Arizona (5,608). Puerto Rico (102) and Wyoming (107) had the lowest number of job postings; and
- New York-Newark had the highest number of job postings for both the second and third quarters. For the first quarter, the top MSAs included Phoenix, New York, and Los Angeles. For the second quarter, the top MSAs also included Los Angeles, Dallas-Fort Worth, and Phoenix. The top MSAs for the third quarter also included Chicago, Los Angeles, and Dallas-Fort Worth.

Regional Data

Clinical Pharmacist										
	2020					2021				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	276	115	191	167	749	268	154	136		558
South	640	144	487	468	1,739	690	438	406		1,534
Midwest	406	93	224	225	948	322	257	222		801
West	532	176	330	344	1,382	462	469	377		1,308

Retail Pharmacist										
	2020					2021				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	285	202	91	150	728	255	208	212		675
South	424	208	265	243	1,140	503	338	329		1,170
Midwest	338	137	87	162	724	309	275	202		786
West	627	279	172	252	1,330	389	359	345		1,093

Hospital Pharmacist										
	2020					2021				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	57	17	19	21	114	44	44	33		121
South	112	72	60	32	276	81	54	40		175
Midwest	82	34	18	48	182	73	59	34		166
West	155	68	55	64	342	105	100	91		296

All Pharmacist Positions										
	2020					2021				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	842	440	372	424	2,078	724	530	514		1,768
South	1,511	565	969	909	3,954	1,667	1,101	1,008		3,776
Midwest	1,214	401	440	614	2,669	992	776	616		2,384
West	1,693	709	740	796	3,938	1,255	1,162	1,011		3,428

Other Pharmacist Occupations										
	2020					2021				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	193	89	66	78	426	142	110	121		373
South	251	93	123	124	591	322	177	172		671
Midwest	335	112	90	167	704	253	137	124		514
West	271	144	124	106	645	238	165	143		546

Pharmacy Technicians										
	2020					2021				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	8,690	5,506	4,272	5,340	23,808	8,282	6,198	5,363		19,843
South	16,435	9,686	10,085	11,410	47,616	19,574	13,038	11,815		44,427
Midwest	12,082	6,892	6,544	8,214	33,732	12,421	8,422	8,193		29,036
West	11,238	6,580	8,135	9,387	35,340	14,571	8,849	7,821		31,241

Pharmacy Director										
	2020					2021				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	31	17	5	8	61	15	14	12		41
South	84	48	34	42	208	71	94	61		226
Midwest	53	25	21	12	111	35	48	34		117
West	108	42	59	30	239	61	69	55		185

Pharmacy Demand Report (PDR)

Clinical Pharmacist

Job Postings Per State

State/Territory	2020							2021				
	Number of Pharmacists Licensed (as of Oct. 2020)	Q1 (Includes Carryover from 2019)	Q2	Q3	Q4	Total	Postings Quotient for 2020	Q1 (Includes Carryover from 2020)	Q2	Q3	Q4	Total
Alabama	10,335	5	0	2	4	11	1.06	7	6	4		17
Alaska	1,002	7	1	1	5	14	13.97	7	5	6		18
Arizona	12,051	37	18	25	26	106	8.80	47	33	18		98
Arkansas	6,540	4	4	10	10	28	4.28	19	10	6		35
California	47,926	342	108	218	237	905	18.88	286	282	231		799
Colorado	8,832	31	6	25	21	83	9.40	26	20	21		67
Connecticut	5,545	65	30	28	23	146	26.33	38	26	13		77
Delaware	2,415	5	0	6	8	19	7.87	9	5	4		18
District of Columbia	2,045	5	3	7	6	21	10.27	9	4	3		16
Florida	34,157	204	24	142	152	522	15.28	207	144	142		493
Georgia	15,216	73	16	46	30	165	10.84	60	52	28		140
Hawaii	2,451	2	4	2	1	9	3.67	5	9	2		16
Idaho	4,082	15	0	6	6	27	6.61	9	14	8		31
Illinois	18,446	73	19	38	43	173	9.38	74	74	54		202
Indiana	11,497	32	13	15	23	83	7.22	32	17	12		61
Iowa	6,349	12	5	14	11	42	6.62	12	5	12		29
Kansas	7,234	15	3	7	9	34	4.70	10	7	6		23
Kentucky	10,767	27	5	23	21	76	7.06	35	21	23		79
Louisiana	9,200	21	5	17	11	54	5.87	16	7	10		33
Maine	2,300	5	3	8	6	22	9.57	6	5	5		16
Maryland	12,228	38	18	24	22	102	8.34	26	11	11		48
Massachusetts	13,936	44	10	35	34	123	8.83	35	12	11		58
Michigan	16,582	32	7	23	17	79	4.76	27	20	32		79
Minnesota	9,033	41	11	36	26	114	12.62	43	15	25		83
Mississippi	6,357	0	6	1	0	7	1.10	0	4	5		9
Missouri	11,320	55	11	30	29	125	11.04	46	38	26		110
Montana	2,111	2	0	1	2	5	2.37	4	3	6		13
Nebraska	5,495	4	2	1	1	8	1.46	2	3	4		9
Nevada	7,721	19	3	20	23	65	8.42	36	28	21		85
New Hampshire	2,912	2	1	15	5	23	7.90	6	4	8		18
New Jersey	18,019	34	18	21	24	97	5.38	35	36	18		89
New Mexico	3,065	7	3	9	6	25	8.16	10	15	9		34
New York	27,113	56	13	39	44	152	5.61	71	22	39		132
North Carolina	17,009	34	9	28	30	101	5.94	45	22	20		87
North Dakota	2,336	1	0	1	1	3	1.28	1	5	3		9
Ohio	20,979	120	15	43	49	227	10.82	63	64	38		165
Oklahoma	7,838	6	0	3	3	12	1.53	5	5	1		11
Oregon	8,488	16	3	1	2	22	2.59	5	17	13		35
Pennsylvania	24,586	58	37	33	19	147	5.98	62	44	36		142
Puerto Rico	5,340	1	1	0	1	3	0.56	3	3	3		9
Rhode Island	2,185	11	3	11	12	37	16.93	14	4	4		22
South Carolina	9,458	12	9	15	10	46	4.86	13	12	12		37
South Dakota	2,046	1	0	1	0	2	0.98	0	4	3		7
Tennessee	12,556	22	4	15	19	60	4.78	20	10	20		50
Texas	35,669	150	33	98	102	383	10.74	161	81	79		321
Utah	4,094	21	14	3	2	40	9.77	7	11	13		31
Vermont	1,231	1	0	1	0	2	1.62	1	1	2		4
Virginia	15,616	29	8	44	35	116	7.43	52	42	33		127
Washington	10,969	33	16	18	12	79	7.20	19	31	26		76
West Virginia	5,522	5	0	6	5	16	2.90	6	2	5		13
Wisconsin	8,942	20	7	15	16	58	6.49	12	5	7		24
Wyoming	1,441	0	0	1	1	2	1.39	1	1	3		5

Pharmacy Demand Report (PDR)

Clinical Pharmacist

Job Postings in the Top 25 Metropolitan Statistical Areas (MSAs)

2020			2021					
Full Year			Quarter 1			Quarter 2		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
Los Angeles-Long Beach-Anaheim, CA	367	Much Higher than National Average	Los Angeles-Long Beach-Anaheim, CA	113	Much Higher than National Average	Los Angeles-Long Beach-Anaheim, CA	115	Much Higher than National Average
Miami-Fort Lauderdale-West Palm Beach, FL	195	Much Higher than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	93	Much Higher than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	72	Much Higher than National Average
Chicago-Naperville-Elgin, IL-IN-WI	168	Similar to National Average	New York-Newark-Jersey City, NY-NJ-PA	72	Similar to National Average	Chicago-Naperville-Elgin, IL-IN-WI	72	Much Higher than National Average
New York-Newark-Jersey City, NY-NJ-PA	162	Lower than National Average	Chicago-Naperville-Elgin, IL-IN-WI	61	Similar to National Average	New York-Newark-Jersey City, NY-NJ-PA	46	Lower than National Average
Dallas-Fort Worth-Arlington, TX	118	Lower than National Average	Orlando-Kissimmee-Sanford, FL	42	Much Higher than National Average	San Francisco-Oakland-Hayward, CA	30	Similar to National Average
Orlando-Kissimmee-Sanford, FL	116	Much Higher than National Average	Phoenix-Mesa-Scottsdale, AZ	41	Similar to National Average	Cincinnati, OH-KY-IN	29	Much Higher than National Average
Sacramento--Roseville--Arden-Arcade, CA	103	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	39	Lower than National Average	Phoenix-Mesa-Scottsdale, AZ	26	Similar to National Average
Atlanta-Sandy Springs-Roswell, GA	99	Similar to National Average	Houston-The Woodlands-Sugar Land, TX	36	Higher than National Average	San Diego-Carlsbad, CA	25	Higher than National Average
Houston-The Woodlands-Sugar Land, TX	96	Similar to National Average	Minneapolis-St. Paul-Bloomington, MN-WI	33	Similar to National Average	St. Louis, MO-IL	23	Much Higher than National Average
Boston-Cambridge-Nashua, MA-NH	96	Lower than National Average	San Diego-Carlsbad, CA	32	Higher than National Average	Sacramento--Roseville--Arden-Arcade, CA	23	Much Higher than National Average
San Diego-Carlsbad, CA	94	Higher than National Average	St. Louis, MO-IL	30	Much Higher than National Average	San Jose-Sunnyvale-Santa Clara, CA	21	Higher than National Average
San Francisco-Oakland-Hayward, CA	92	Lower than National Average	Atlanta-Sandy Springs-Roswell, GA	30	Lower than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	21	Lower than National Average
Baltimore-Columbia-Towson, MD	91	Much Higher than National Average	Tampa-St. Petersburg-Clearwater, FL	29	Similar to National Average	Atlanta-Sandy Springs-Roswell, GA	21	Lower than National Average
St. Louis, MO-IL	90	Much Higher than National Average	San Francisco-Oakland-Hayward, CA	28	Lower than National Average	Tampa-St. Petersburg-Clearwater, FL	20	Similar to National Average
Minneapolis-St. Paul-Bloomington, MN-WI	88	Similar to National Average	San Antonio-New Braunfels, TX	28	Much Higher than National Average	Orlando-Kissimmee-Sanford, FL	20	Higher than National Average
Phoenix-Mesa-Scottsdale, AZ	87	Lower than National Average	Sacramento--Roseville--Arden-Arcade, CA	27	Much Higher than National Average	Seattle-Tacoma-Bellevue, WA	19	Lower than National Average
Tampa-St. Petersburg-Clearwater, FL	80	Higher than National Average	Cincinnati, OH-KY-IN	27	Much Higher than National Average	Houston-The Woodlands-Sugar Land, TX	19	Similar to National Average
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	79	Lower than National Average	Boston-Cambridge-Nashua, MA-NH	27	Lower than National Average	Dallas-Fort Worth-Arlington, TX	19	Much Lower than National Average
New Haven, CT	75	Much Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	26	Lower than National Average	Riverside-San Bernardino-Ontario, CA	18	Similar to National Average
Cincinnati, OH-KY-IN	73	Much Higher than National Average	New Haven, CT (Metropolitan NECTA)	25	Much Higher than National Average	New Haven, CT (Metropolitan NECTA)	16	Much Higher than National Average
Seattle-Tacoma-Bellevue, WA	72	Lower than National Average	Louisville/Jefferson County, KY-IN	25	Much Higher than National Average	Las Vegas-Henderson-Paradise, NV	16	Much Higher than National Average
San Antonio-New Braunfels, TX	65	Much Higher than National Average	Baltimore-Columbia-Towson, MD	25	Higher than National Average	Denver-Aurora-Lakewood, CO	16	Lower than National Average
Riverside-San Bernardino-Ontario, CA	60	Similar to National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	24	Much Lower than National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	15	Much Lower than National Average
Louisville/Jefferson County, KY-IN	56	Much Higher than National Average	San Jose-Sunnyvale-Santa Clara, CA	24	Higher than National Average	Virginia Beach-Norfolk-Newport News, VA-NC	14	Much Higher than National Average
Washington-Arlington-Alexandria, DC-VA-MD-WV	55	Much Lower than National Average	Detroit-Warren-Dearborn, MI	21	Lower than National Average	Pittsburgh, PA	14	Higher than National Average
			Quarter 3			Quarter 4		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
Los Angeles-Long Beach-Anaheim, CA	101	Much Higher than National Average						
Miami-Fort Lauderdale-West Palm Beach, FL	72	Much Higher than National Average						
Chicago-Naperville-Elgin, IL-IN-WI	49	Similar to National Average						
New York-Newark-Jersey City, NY-NJ-PA	38	Lower than National Average						
Dallas-Fort Worth-Arlington, TX	31	Lower than National Average						
Orlando-Kissimmee-Sanford, FL	30	Much Higher than National Average						
San Francisco-Oakland-Hayward, CA	28	Similar to National Average						
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	26	Similar to National Average						
St. Louis, MO-IL	19	Much Higher than National Average						
Minneapolis-St. Paul-Bloomington, MN-WI	19	Similar to National Average						
San Jose-Sunnyvale-Santa Clara, CA	18	Higher than National Average						
San Diego-Carlsbad, CA	17	Similar to National Average						
Sacramento--Roseville--Arden-Arcade, CA	17	Much Higher than National Average						
Louisville/Jefferson County, KY-IN	17	Much Higher than National Average						
Denver-Aurora-Lakewood, CO	17	Lower than National Average						
Cincinnati, OH-KY-IN	17	Much Higher than National Average						
Seattle-Tacoma-Bellevue, WA	16	Lower than National Average						
Riverside-San Bernardino-Ontario, CA	14	Similar to National Average						
Phoenix-Mesa-Scottsdale, AZ	14	Much Lower than National Average						
Houston-The Woodlands-Sugar Land, TX	14	Lower than National Average						
Virginia Beach-Norfolk-Newport News, VA-NC	13	Much Higher than National Average						
Tampa-St. Petersburg-Clearwater, FL	13	Similar to National Average						
Detroit-Warren-Dearborn, MI	13	Lower than National Average						
San Antonio-New Braunfels, TX	12	Higher than National Average						
Salt Lake City, UT	12	Much Higher than National Average						

Pharmacy Demand Report (PDR)

Hospital Pharmacist

Job Postings Per State

State/Territory	2020							2021				
	Number of Pharmacists Licensed (as of Oct. 2020)	Q1 (Includes Carryover from 2019)	Q2	Q3	Q4	Total	Postings Quotient for 2020	Q1 (Includes Carryover from 2020)	Q2	Q3	Q4	Total
Alabama	10,335	0	0	0	0	0	0.00	6	0	1		7
Alaska	1,002	1	0	1	5	7	6.99	6	2	5		13
Arizona	12,051	21	3	14	8	46	3.82	9	9	19		37
Arkansas	6,540	0	0	0	0	0	0.00	0	1	1		2
California	47,926	88	48	21	21	178	3.71	46	49	40		135
Colorado	8,832	11	1	4	8	24	2.72	17	8	3		28
Connecticut	5,545	5	4	3	5	17	3.07	5	0	4		9
Delaware	2,415	0	0	0	2	2	0.83	1	0	0		1
District of Columbia	2,045	0	0	0	0	0	0.00	0	0	0		0
Florida	34,157	18	20	15	9	62	1.82	14	15	12		41
Georgia	15,216	7	10	10	6	33	2.17	12	3	9		24
Hawaii	2,451	2	0	0	0	2	0.82	3	1	2		6
Idaho	4,082	0	0	0	1	1	0.24	1	5	1		7
Illinois	18,446	19	11	4	11	45	2.44	25	17	5		47
Indiana	11,497	7	1	1	0	9	0.78	4	6	0		10
Iowa	6,349	0	0	0	1	1	0.16	3	0	0		3
Kansas	7,234	0	0	0	0	0	0.00	1	2	1		4
Kentucky	10,767	8	6	0	0	14	1.30	5	11	1		17
Louisiana	9,200	16	14	2	1	33	3.59	1	0	3		4
Maine	2,300	6	0	1	3	10	4.35	6	1	0		7
Maryland	12,228	8	6	4	1	19	1.55	2	3	0		5
Massachusetts	13,936	2	3	4	5	14	1.00	7	10	2		19
Michigan	16,582	10	5	2	3	20	1.21	2	2	4		8
Minnesota	9,033	3	7	4	5	19	2.10	12	6	9		27
Mississippi	6,357	0	0	0	0	0	0.00	1	2	1		4
Missouri	11,320	5	1	1	4	11	0.97	4	8	1		13
Montana	2,111	1	1	1	0	3	1.42	1	4	4		9
Nebraska	5,495	9	1	0	7	17	3.09	7	5	0		12
Nevada	7,721	4	2	2	5	13	1.68	9	5	6		20
New Hampshire	2,912	0	0	0	0	0	0.00	0	2	1		3
New Jersey	18,019	8	2	5	2	17	0.94	9	13	11		33
New Mexico	3,065	7	4	7	4	22	7.18	5	6	1		12
New York	27,113	14	7	4	1	26	0.96	12	8	6		26
North Carolina	17,009	3	4	2	2	11	0.65	5	4	1		10
North Dakota	2,336	0	0	0	0	0	0.00	2	2	3		7
Ohio	20,979	11	4	5	13	33	1.57	11	7	7		25
Oklahoma	7,838	5	2	2	0	9	1.15	2	1	0		3
Oregon	8,488	0	2	1	5	8	0.94	2	4	4		10
Pennsylvania	24,586	20	1	2	3	26	1.06	3	8	8		19
Puerto Rico	5,340	0	0	0	0	0	0.00	0	0	0		0
Rhode Island	2,185	2	0	0	2	4	1.83	2	0	1		3
South Carolina	9,458	4	2	4	5	15	1.59	8	4	2		14
South Dakota	2,046	0	0	0	0	0	0.00	0	0	1		1
Tennessee	12,556	1	1	0	0	2	0.16	1	0	1		2
Texas	35,669	40	7	20	6	73	2.05	23	8	8		39
Utah	4,094	2	0	0	0	2	0.49	0	0	1		1
Vermont	1,231	0	0	0	0	0	0.00	0	2	0		2
Virginia	15,616	2	0	1	0	3	0.19	0	0	0		0
Washington	10,969	17	7	4	7	35	3.19	6	7	5		18
West Virginia	5,522	0	0	0	0	0	0.00	0	2	0		2
Wisconsin	8,942	18	4	1	4	27	3.02	2	4	3		9
Wyoming	1,441	1	0	0	0	1	0.69	0	0	0		0

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Hospital Pharmacist

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2020			2021					
Full Year			Quarter 1			Quarter 2		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
San Francisco-Oakland-Hayward, CA	48	Much Higher than National Average	Chicago-Naperville-Elgin, IL-IN-WI	21	Much Higher than National Average	Chicago-Naperville-Elgin, IL-IN-WI	16	Much Higher than National Average
Phoenix-Mesa-Scottsdale, AZ	39	Much Higher than National Average	Denver-Aurora-Lakewood, CO	16	Much Higher than National Average	San Francisco-Oakland-Hayward, CA	14	Much Higher than National Average
Sacramento--Roseville--Arden-Arcade, CA	38	Much Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	13	Similar to National Average	Orlando-Kissimmee-Sanford, FL	11	Much Higher than National Average
Los Angeles-Long Beach-Anaheim, CA	34	Similar to National Average	Sacramento--Roseville--Arden-Arcade, CA	12	Much Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	10	Much Higher than National Average
Chicago-Naperville-Elgin, IL-IN-WI	34	Similar to National Average	San Francisco-Oakland-Hayward, CA	11	Much Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	10	Lower than National Average
Dallas-Fort Worth-Arlington, TX	29	Similar to National Average	Orlando-Kissimmee-Sanford, FL	10	Much Higher than National Average	Boston-Cambridge-Nashua, MA-NH	10	Much Higher than National Average
New York-Newark-Jersey City, NY-NJ-PA	26	Much Lower than National Average	Houston-The Woodlands-Sugar Land, TX	9	Much Higher than National Average	Sacramento--Roseville--Arden-Arcade, CA	9	Much Higher than National Average
Orlando-Kissimmee-Sanford, FL	24	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	9	Similar to National Average	Phoenix-Mesa-Scottsdale, AZ	8	Higher than National Average
Seattle-Tacoma-Bellevue, WA	23	Higher than National Average	Las Vegas-Henderson-Paradise, NV	8	Much Higher than National Average	Los Angeles-Long Beach-Anaheim, CA	7	Lower than National Average
Denver-Aurora-Lakewood, CO	20	Similar to National Average	Phoenix-Mesa-Scottsdale, AZ	7	Similar to National Average	Seattle-Tacoma-Bellevue, WA	6	Higher than National Average
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	19	Similar to National Average	Boston-Cambridge-Nashua, MA-NH	7	Similar to National Average	Denver-Aurora-Lakewood, CO	6	Higher than National Average
Albuquerque, NM	18	Much Higher than National Average	Minneapolis-St. Paul-Bloomington, MN-WI	6	Similar to National Average	Kansas City, MO-KS	5	Much Higher than National Average
Baltimore-Columbia-Towson, MD	16	Higher than National Average	Lewiston-Auburn, ME (Metropolitan NECTA)	6	Much Higher than National Average	Fresno, CA	5	Much Higher than National Average
Atlanta-Sandy Springs-Roswell, GA	14	Lower than National Average	Fresno, CA	6	Much Higher than National Average	Minneapolis-St. Paul-Bloomington, MN-WI	4	Similar to National Average
Milwaukee-Waukesha-West Allis, WI	13	Much Higher than National Average	Bridgeport-Stamford-Norwalk, CT	5	Much Higher than National Average	St. Louis, MO-IL	3	Higher than National Average
Houston-The Woodlands-Sugar Land, TX	13	Lower than National Average	Vineland-Bridgeton, NJ	4	Much Higher than National Average	Rochester, NY	3	Much Higher than National Average
Bridgeport-Stamford-Norwalk, CT	12	Much Higher than National Average	St. Louis, MO-IL	4	Higher than National Average	Portland-Vancouver-Hillsboro, OR-WA	3	Similar to National Average
Lake Charles, LA	11	Much Higher than National Average	Seattle-Tacoma-Bellevue, WA	4	Lower than National Average	Las Vegas-Henderson-Paradise, NV	3	Much Higher than National Average
Cleveland-Elyria, OH	11	Higher than National Average	San Diego-Carlsbad, CA	4	Similar to National Average	Jacksonville, FL	3	Much Higher than National Average
Hilton Head Island-Bluffton-Beaufort, SC	10	Much Higher than National Average	Louisville/Jefferson County, KY-IN	4	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	3	Much Lower than National Average
Fresno, CA	10	Much Higher than National Average	Birmingham-Hoover, AL	4	Much Higher than National Average	York-Hanover, PA	2	Much Higher than National Average
Boston-Cambridge-Nashua, MA-NH	10	Much Lower than National Average	Wichita Falls, TX	3	Much Higher than National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	2	Much Lower than National Average
St. Louis, MO-IL	9	Similar to National Average	Raleigh, NC	3	Higher than National Average	South Bend-Mishawaka, IN-MI	2	Much Higher than National Average
South Bend-Mishawaka, IN-MI	9	Much Higher than National Average	Hilton Head Island-Bluffton-Beaufort, SC	3	Much Higher than National Average	Santa Rosa, CA	2	Much Higher than National Average
Las Vegas-Henderson-Paradise, NV	9	Higher than National Average	Cleveland-Elyria, OH	3	Higher than National Average	Reno, NV	2	Much Higher than National Average
			Quarter 3			Quarter 4		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	13	Much Higher than National Average						
Phoenix-Mesa-Scottsdale, AZ	11	Much Higher than National Average						
Sacramento--Roseville--Arden-Arcade, CA	10	Much Higher than National Average						
Orlando-Kissimmee-Sanford, FL	7	Much Higher than National Average						
New York-Newark-Jersey City, NY-NJ-PA	7	Lower than National Average						
Tucson, AZ	6	Much Higher than National Average						
San Francisco-Oakland-Hayward, CA	6	Higher than National Average						
Seattle-Tacoma-Bellevue, WA	5	Similar to National Average						
Fresno, CA	5	Much Higher than National Average						
Las Vegas-Henderson-Paradise, NV	4	Much Higher than National Average						
Duluth, MN-WI	4	Much Higher than National Average						
Dallas-Fort Worth-Arlington, TX	4	Much Lower than National Average						
Chicago-Naperville-Elgin, IL-IN-WI	4	Much Lower than National Average						
Vallejo-Fairfield, CA	3	Much Higher than National Average						
Savannah, GA	3	Much Higher than National Average						
Milwaukee-Waukesha-West Allis, WI	3	Much Higher than National Average						
Denver-Aurora-Lakewood, CO	3	Similar to National Average						
Urban Honolulu, HI	2	Much Higher than National Average						
Santa Rosa, CA	2	Much Higher than National Average						
San Jose-Sunnyvale-Santa Clara, CA	2	Similar to National Average						
San Diego-Carlsbad, CA	2	Lower than National Average						
Reno, NV	2	Much Higher than National Average						
Portland-Vancouver-Hillsboro, OR-WA	2	Similar to National Average						
Norwich-New London-Westerly, CT-RI	2	Much Higher than National Average						
Minneapolis-St. Paul-Bloomington, MN-WI	2	Lower than National Average						

Pharmacy Demand Report (PDR)

Other Pharmacist Occupations

(Compounding, Informatics, Infusion, Long-Term Care, Nuclear Pharmacist, Oncology)

Job Postings Per State

State/Territory	2020							2021				
	Number of Pharmacists Licensed (as of Oct. 2020)	Q1 (Includes Carryover from 2019)	Q2	Q3	Q4	Total	Postings Quotient for 2020	Q1 (Includes Carryover from 2020)	Q2	Q3	Q4	Total
Alabama	10,335	4	0	2	2	8	0.77	4	1	6		11
Alaska	1,002	1	0	0	0	1	1.00	4	2	0		6
Arizona	12,051	18	9	12	16	55	4.56	25	28	23		76
Arkansas	6,540	5	3	0	3	11	1.68	6	2	1		9
California	47,926	148	94	76	48	366	7.64	124	77	78		279
Colorado	8,832	16	12	13	16	57	6.45	21	18	14		53
Connecticut	5,545	11	3	11	9	34	6.13	11	17	17		45
Delaware	2,415	0	0	1	0	1	0.41	1	2	2		5
District of Columbia	2,045	2	0	1	2	5	2.44	4	4	0		8
Florida	34,157	61	26	30	29	146	4.27	71	43	40		154
Georgia	15,216	23	9	15	5	52	3.42	13	5	7		25
Hawaii	2,451	4	1	0	0	5	2.04	1	1	0		2
Idaho	4,082	8	1	6	3	18	4.41	16	7	7		30
Illinois	18,446	38	15	10	6	69	3.74	24	30	22		76
Indiana	11,497	24	13	5	22	64	5.57	33	11	13		57
Iowa	6,349	2	0	1	0	3	0.47	2	4	2		8
Kansas	7,234	6	8	1	0	15	2.07	5	1	2		8
Kentucky	10,767	10	4	2	2	18	1.67	10	2	2		14
Louisiana	9,200	36	2	4	4	46	5.00	26	5	5		36
Maine	2,300	3	2	1	0	6	2.61	2	0	1		3
Maryland	12,228	7	9	13	7	36	2.94	13	11	4		28
Massachusetts	13,936	21	11	13	11	56	4.02	17	7	8		32
Michigan	16,582	72	31	16	28	147	8.87	41	19	33		93
Minnesota	9,033	9	7	5	2	23	2.55	13	9	2		24
Mississippi	6,357	1	3	0	0	4	0.63	0	6	1		7
Missouri	11,320	35	7	12	11	65	5.74	15	14	10		39
Montana	2,111	9	0	2	0	11	5.21	1	3	2		6
Nebraska	5,495	3	0	0	0	3	0.55	0	1	0		1
Nevada	7,721	21	7	7	5	40	5.18	11	3	5		19
New Hampshire	2,912	7	3	5	5	20	6.87	10	5	5		20
New Jersey	18,019	50	30	6	16	102	5.66	30	31	34		95
New Mexico	3,065	8	5	1	1	15	4.89	5	2	2		9
New York	27,113	48	8	15	23	94	3.47	36	33	29		98
North Carolina	17,009	17	4	17	20	58	3.41	64	44	32		140
North Dakota	2,336	0	1	0	0	1	0.43	0	1	0		1
Ohio	20,979	139	21	38	94	292	13.92	100	33	33		166
Oklahoma	7,838	8	5	6	3	22	2.81	7	4	5		16
Oregon	8,488	6	2	1	4	13	1.53	9	6	3		18
Pennsylvania	24,586	44	30	14	14	102	4.15	33	14	24		71
Puerto Rico	5,340	2	0	0	1	3	0.56	1	0	1		2
Rhode Island	2,185	8	2	1	0	11	5.03	3	0	2		5
South Carolina	9,458	3	4	2	8	17	1.80	7	0	3		10
South Dakota	2,046	2	1	0	0	3	1.47	2	0	3		5
Tennessee	12,556	6	1	5	3	15	1.19	8	4	2		14
Texas	35,669	62	22	18	29	131	3.67	66	39	49		154
Utah	4,094	8	2	2	2	14	3.42	1	4	1		6
Vermont	1,231	1	0	0	0	1	0.81	0	3	1		4
Virginia	15,616	6	1	6	6	19	1.22	19	4	13		36
Washington	10,969	22	11	4	11	48	4.38	16	12	7		35
West Virginia	5,522	0	0	1	1	2	0.36	3	1	0		4
Wisconsin	8,942	5	8	2	4	19	2.12	18	14	4		36
Wyoming	1,441	2	0	0	0	2	1.39	4	2	1		7

Pharmacy Demand Report (PDR)

Other Pharmacist Occupations

(Compounding, Informatics, Infusion, Long-Term Care, Nuclear Pharmacist, Oncology)

Job Postings in the Top 25 Metropolitan Statistical Areas (MSAs)

2020			2021					
Full Year			Quarter 1			Quarter 2		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
New York-Newark-Jersey City, NY-NJ-PA	149	Higher than National Average	Cleveland-Elyria, OH	52	Much Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	31	Similar to National Average
Cleveland-Elyria, OH	138	Much Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	46	Similar to National Average	Chicago-Naperville-Elgin, IL-IN-WI	30	Much Higher than National Average
Los Angeles-Long Beach-Anaheim, CA	117	Similar to National Average	Los Angeles-Long Beach-Anaheim, CA	40	Similar to National Average	Phoenix-Mesa-Scottsdale, AZ	24	Much Higher than National Average
Detroit-Warren-Dearborn, MI	97	Much Higher than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	27	Higher than National Average	Los Angeles-Long Beach-Anaheim, CA	16	Lower than National Average
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	78	Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	23	Higher than National Average	Durham-Chapel Hill, NC	16	Much Higher than National Average
Miami-Fort Lauderdale-West Palm Beach, FL	75	Much Higher than National Average	Indianapolis-Carmel-Anderson, IN	22	Much Higher than National Average	Sacramento--Roseville--Arden-Arcade, CA	15	Much Higher than National Average
San Diego-Carlsbad, CA	62	Much Higher than National Average	Houston-The Woodlands-Sugar Land, TX	22	Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	15	Higher than National Average
Sacramento--Roseville--Arden-Arcade, CA	61	Much Higher than National Average	Raleigh, NC	20	Much Higher than National Average	Denver-Aurora-Lakewood, CO	15	Higher than National Average
Chicago-Naperville-Elgin, IL-IN-WI	59	Lower than National Average	Detroit-Warren-Dearborn, MI	19	Higher than National Average	Houston-The Woodlands-Sugar Land, TX	14	Higher than National Average
Boston-Cambridge-Nashua, MA-NH	49	Similar to National Average	Baton Rouge, LA	19	Much Higher than National Average	Milwaukee-Waukesha-West Allis, WI	13	Much Higher than National Average
Dallas-Fort Worth-Arlington, TX	44	Much Lower than National Average	Chicago-Naperville-Elgin, IL-IN-WI	18	Much Lower than National Average	Cleveland-Elyria, OH	12	Much Higher than National Average
Denver-Aurora-Lakewood, CO	42	Similar to National Average	Sacramento--Roseville--Arden-Arcade, CA	17	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	11	Much Lower than National Average
Phoenix-Mesa-Scottsdale, AZ	41	Lower than National Average	Tampa-St. Petersburg-Clearwater, FL	16	Higher than National Average	Seattle-Tacoma-Bellevue, WA	10	Similar to National Average
Houston-The Woodlands-Sugar Land, TX	41	Similar to National Average	Phoenix-Mesa-Scottsdale, AZ	15	Lower than National Average	San Diego-Carlsbad, CA	10	Higher than National Average
Kansas City, MO-KS	38	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	15	Much Lower than National Average	San Francisco-Oakland-Hayward, CA	9	Lower than National Average
Atlanta-Sandy Springs-Roswell, GA	38	Lower than National Average	Boston-Cambridge-Nashua, MA-NH	14	Lower than National Average	Port St. Lucie, FL	9	Much Higher than National Average
Seattle-Tacoma-Bellevue, WA	37	Similar to National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	13	Much Lower than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	9	Lower than National Average
Youngstown-Warren-Boardman, OH-PA	35	Much Higher than National Average	Milwaukee-Waukesha-West Allis, WI	13	Much Higher than National Average	Jacksonville, FL	9	Much Higher than National Average
Las Vegas-Henderson-Paradise, NV	34	Much Higher than National Average	Kansas City, MO-KS	13	Higher than National Average	Cincinnati, OH-KY-IN	9	Much Higher than National Average
St. Louis, MO-IL	33	Higher than National Average	Durham-Chapel Hill, NC	13	Much Higher than National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	8	Much Lower than National Average
Akron, OH	33	Much Higher than National Average	Denver-Aurora-Lakewood, CO	13	Lower than National Average	Indianapolis-Carmel-Anderson, IN	8	Much Higher than National Average
San Francisco-Oakland-Hayward, CA	30	Much Lower than National Average	Boise City, ID	13	Much Higher than National Average	San Antonio-New Braunfels, TX	7	Much Higher than National Average
Ann Arbor, MI	28	Much Higher than National Average	San Francisco-Oakland-Hayward, CA	12	Much Lower than National Average	Rochester, NY	7	Much Higher than National Average
Baltimore-Columbia-Towson, MD	27	Similar to National Average	Columbus, OH	12	Higher than National Average	Orlando-Kissimmee-Sanford, FL	7	Similar to National Average
Indianapolis-Carmel-Anderson, IN	26	Similar to National Average	Cincinnati, OH-KY-IN	11	Higher than National Average	Grand Rapids-Wyoming, MI	7	Much Higher than National Average
			Quarter 3			Quarter 4		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
New York-Newark-Jersey City, NY-NJ-PA	50	Much Higher than National Average						
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	26	Much Higher than National Average						
Los Angeles-Long Beach-Anaheim, CA	23	Similar to National Average						
Dallas-Fort Worth-Arlington, TX	22	Similar to National Average						
Detroit-Warren-Dearborn, MI	21	Much Higher than National Average						
Phoenix-Mesa-Scottsdale, AZ	20	Much Higher than National Average						
Chicago-Naperville-Elgin, IL-IN-WI	15	Lower than National Average						
Miami-Fort Lauderdale-West Palm Beach, FL	13	Similar to National Average						
Hickory-Lenoir-Morganton, NC	13	Much Higher than National Average						
San Antonio-New Braunfels, TX	12	Much Higher than National Average						
Cleveland-Elyria, OH	12	Much Higher than National Average						
Cincinnati, OH-KY-IN	12	Much Higher than National Average						
Sacramento--Roseville--Arden-Arcade, CA	11	Much Higher than National Average						
San Diego-Carlsbad, CA	9	Similar to National Average						
Orlando-Kissimmee-Sanford, FL	9	Much Higher than National Average						
Durham-Chapel Hill, NC	8	Much Higher than National Average						
Denver-Aurora-Lakewood, CO	8	Lower than National Average						
Virginia Beach-Norfolk-Newport News, VA-NC	7	Much Higher than National Average						
San Francisco-Oakland-Hayward, CA	7	Much Lower than National Average						
Kansas City, MO-KS	7	Higher than National Average						
Indianapolis-Carmel-Anderson, IN	7	Higher than National Average						
Boston-Cambridge-Nashua, MA-NH	7	Much Lower than National Average						
San Jose-Sunnyvale-Santa Clara, CA	6	Similar to National Average						
Houston-The Woodlands-Sugar Land, TX	6	Much Lower than National Average						
Colorado Springs, CO	6	Much Higher than National Average						

Pharmacy Demand Report (PDR)

Pharmacy Director

Job Postings Per State

State/Territory	2020							2021				
	Number of Pharmacists Licensed (as of Oct. 2020)	Q1 (Includes Carryover from 2019)	Q2	Q3	Q4	Total	Postings Quotient for 2020	Q1 (Includes Carryover from 2020)	Q2	Q3	Q4	Total
Alabama	10,335	1	0	0	0	1	0.10	0	1	0		1
Alaska	1,002	2	0	0	2	4	3.99	3	1	0		4
Arizona	12,051	17	5	0	0	22	1.83	3	3	5		11
Arkansas	6,540	4	0	0	1	5	0.76	2	0	1		3
California	47,926	57	20	47	14	138	2.88	38	30	31		99
Colorado	8,832	7	2	1	3	13	1.47	4	4	2		10
Connecticut	5,545	0	1	1	0	2	0.36	0	2	3		5
Delaware	2,415	1	0	0	0	1	0.41	0	0	0		0
District of Columbia	2,045	2	1	0	1	4	1.96	1	0	0		1
Florida	34,157	12	5	8	11	36	1.05	17	28	9		54
Georgia	15,216	3	2	0	3	8	0.53	4	5	1		10
Hawaii	2,451	4	0	0	0	4	1.63	0	0	1		1
Idaho	4,082	4	3	1	2	10	2.45	1	1	0		2
Illinois	18,446	3	5	1	3	12	0.65	10	7	3		20
Indiana	11,497	4	3	2	4	13	1.13	6	3	5		14
Iowa	6,349	1	0	1	0	2	0.32	1	2	1		4
Kansas	7,234	2	0	1	0	3	0.41	0	2	1		3
Kentucky	10,767	7	4	2	1	14	1.30	3	1	3		7
Louisiana	9,200	3	0	2	1	6	0.65	2	6	7		15
Maine	2,300	0	0	0	0	0	0.00	2	2	0		4
Maryland	12,228	5	0	0	0	5	0.41	0	1	5		6
Massachusetts	13,936	4	4	1	2	11	0.79	1	0	0		1
Michigan	16,582	13	5	1	1	20	1.21	5	7	4		16
Minnesota	9,033	2	0	0	0	2	0.22	2	1	1		4
Mississippi	6,357	0	0	0	0	0	0.00	0	1	1		2
Missouri	11,320	4	0	1	1	6	0.53	1	6	1		8
Montana	2,111	0	0	0	0	0	0.00	0	2	1		3
Nebraska	5,495	1	1	2	0	4	0.73	2	4	1		7
Nevada	7,721	6	1	5	2	14	1.81	3	3	4		10
New Hampshire	2,912	0	2	0	0	2	0.69	0	1	0		1
New Jersey	18,019	7	2	0	3	12	0.67	2	1	0		3
New Mexico	3,065	1	3	1	0	5	1.63	0	1	4		5
New York	27,113	5	0	2	0	7	0.26	5	4	6		15
North Carolina	17,009	4	3	3	1	11	0.65	6	9	11		26
North Dakota	2,336	0	0	2	0	2	0.86	0	1	1		2
Ohio	20,979	15	7	7	2	31	1.48	5	13	9		27
Oklahoma	7,838	2	0	0	1	3	0.38	1	4	1		6
Oregon	8,488	4	3	3	2	12	1.41	3	3	1		7
Pennsylvania	24,586	15	8	1	3	27	1.10	5	3	3		11
Puerto Rico	5,340	0	0	1	1	2	0.37	1	0	0		1
Rhode Island	2,185	0	0	0	0	0	0.00	0	0	0		0
South Carolina	9,458	2	4	0	1	7	0.74	1	6	0		7
South Dakota	2,046	0	0	0	0	0	0.00	0	0	0		0
Tennessee	12,556	0	1	7	1	9	0.72	1	4	3		8
Texas	35,669	31	22	12	19	84	2.35	24	21	15		60
Utah	4,094	0	1	0	1	2	0.49	1	0	2		3
Vermont	1,231	0	0	0	0	0	0.00	0	1	0		1
Virginia	15,616	4	5	0	0	9	0.58	9	6	3		18
Washington	10,969	6	4	1	4	15	1.37	5	21	3		29
West Virginia	5,522	3	1	0	1	5	0.91	0	1	1		2
Wisconsin	8,942	8	4	3	1	16	1.79	3	2	7		12
Wyoming	1,441	0	0	0	0	0	0.00	0	0	1		1

Pharmacy Demand Report (PDR)

Pharmacy Director

Job Postings in the Top 25 Metropolitan Statistical Areas (MSAs)

2020			2021					
Full Year			Quarter 1			Quarter 2		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
Los Angeles-Long Beach-Anaheim, CA	43	Much Higher than National Average	Chicago-Naperville-Elgin, IL-IN-WI	10	Much Higher than National Average	Tampa-St. Petersburg-Clearwater, FL	11	Much Higher than National Average
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	22	Much Higher than National Average	Modesto, CA	8	Much Higher than National Average	Spokane-Spokane Valley, WA	11	Much Higher than National Average
Dallas-Fort Worth-Arlington, TX	21	Similar to National Average	Dallas-Fort Worth-Arlington, TX	8	Higher than National Average	Dallas-Fort Worth-Arlington, TX	10	Higher than National Average
San Diego-Carlsbad, CA	20	Much Higher than National Average	Richmond, VA	7	Much Higher than National Average	Austin-Round Rock, TX	8	Much Higher than National Average
Phoenix-Mesa-Scottsdale, AZ	19	Higher than National Average	Houston-The Woodlands-Sugar Land, TX	7	Much Higher than National Average	Seattle-Tacoma-Bellevue, WA	6	Higher than National Average
San Francisco-Oakland-Hayward, CA	18	Similar to National Average	Tampa-St. Petersburg-Clearwater, FL	6	Much Higher than National Average	Dayton, OH	6	Much Higher than National Average
New York-Newark-Jersey City, NY-NJ-PA	17	Much Lower than National Average	San Francisco-Oakland-Hayward, CA	6	Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	5	Much Lower than National Average
Houston-The Woodlands-Sugar Land, TX	17	Much Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	5	Much Lower than National Average	Los Angeles-Long Beach-Anaheim, CA	5	Much Lower than National Average
Chicago-Naperville-Elgin, IL-IN-WI	15	Lower than National Average	Los Angeles-Long Beach-Anaheim, CA	5	Lower than National Average	Jacksonville, FL	5	Much Higher than National Average
San Antonio-New Braunfels, TX	14	Much Higher than National Average	Austin-Round Rock, TX	5	Much Higher than National Average	Chicago-Naperville-Elgin, IL-IN-WI	5	Lower than National Average
Corpus Christi, TX	14	Much Higher than National Average	Portland-Vancouver-Hillsboro, OR-WA	4	Much Higher than National Average	Visalia-Porterville, CA	4	Much Higher than National Average
Seattle-Tacoma-Bellevue, WA	13	Similar to National Average	South Bend-Mishawaka, IN-MI	3	Much Higher than National Average	Portland-Vancouver-Hillsboro, OR-WA	4	Much Higher than National Average
Tampa-St. Petersburg-Clearwater, FL	12	Much Higher than National Average	Seattle-Tacoma-Bellevue, WA	3	Similar to National Average	Orlando-Kissimmee-Sanford, FL	4	Much Higher than National Average
Modesto, CA	11	Much Higher than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	3	Lower than National Average	Oklahoma City, OK	4	Much Higher than National Average
Las Vegas-Henderson-Paradise, NV	11	Much Higher than National Average	Las Vegas-Henderson-Paradise, NV	3	Much Higher than National Average	Cleveland-Elyria, OH	4	Much Higher than National Average
Bakersfield, CA	11	Much Higher than National Average	Detroit-Warren-Dearborn, MI	3	Similar to National Average	Bakersfield, CA	4	Much Higher than National Average
Miami-Fort Lauderdale-West Palm Beach, FL	10	Similar to National Average	Bakersfield, CA	3	Much Higher than National Average	Yakima, WA	3	Much Higher than National Average
Detroit-Warren-Dearborn, MI	10	Similar to National Average	Visalia-Porterville, CA	2	Much Higher than National Average	Tallahassee, FL	3	Much Higher than National Average
Boise City, ID	10	Much Higher than National Average	Virginia Beach-Norfolk-Newport News, VA-NC	2	Much Higher than National Average	St. Louis, MO-IL	3	Higher than National Average
Austin-Round Rock, TX	10	Higher than National Average	Sebastian-Vero Beach, FL	2	Much Higher than National Average	Spartanburg, SC	3	Much Higher than National Average
Washington-Arlington-Alexandria, DC-VA-MD-WV	9	Much Lower than National Average	Santa Cruz-Watsonville, CA	2	Much Higher than National Average	San Francisco-Oakland-Hayward, CA	3	Much Lower than National Average
Portland-Vancouver-Hillsboro, OR-WA	9	Higher than National Average	San Diego-Carlsbad, CA	2	Similar to National Average	San Diego-Carlsbad, CA	3	Similar to National Average
Dayton, OH	9	Much Higher than National Average	Riverside-San Bernardino-Ontario, CA	2	Similar to National Average	Richmond, VA	3	Much Higher than National Average
Boston-Cambridge-Nashua, MA-NH	9	Much Lower than National Average	Pittsburgh, PA	2	Higher than National Average	Nashville-Davidson--Murfreesboro--Franklin, TN	3	Much Higher than National Average
South Bend-Mishawaka, IN-MI	8	Much Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	2	Much Lower than National Average	Las Vegas-Henderson-Paradise, NV	3	Much Higher than National Average
			Quarter 3			Quarter 4		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
Los Angeles-Long Beach-Anaheim, CA	10	Higher than National Average						
Dallas-Fort Worth-Arlington, TX	9	Much Higher than National Average						
Phoenix-Mesa-Scottsdale, AZ	5	Higher than National Average						
Bakersfield, CA	5	Much Higher than National Average						
Tampa-St. Petersburg-Clearwater, FL	4	Much Higher than National Average						
San Francisco-Oakland-Hayward, CA	4	Similar to National Average						
San Diego-Carlsbad, CA	4	Much Higher than National Average						
Raleigh, NC	4	Much Higher than National Average						
Miami-Fort Lauderdale-West Palm Beach, FL	4	Higher than National Average						
Baltimore-Columbia-Towson, MD	4	Much Higher than National Average						
Richmond, VA	3	Much Higher than National Average						
New Orleans-Metairie, LA	3	Much Higher than National Average						
Nashville-Davidson--Murfreesboro--Franklin, TN	3	Much Higher than National Average						
Milwaukee-Waukesha-West Allis, WI	3	Much Higher than National Average						
Las Vegas-Henderson-Paradise, NV	3	Much Higher than National Average						
Columbus, OH	3	Much Higher than National Average						
Chicago-Naperville-Elgin, IL-IN-WI	3	Much Lower than National Average						
Visalia-Porterville, CA	2	Much Higher than National Average						
Spokane-Spokane Valley, WA	2	Much Higher than National Average						
San Antonio-New Braunfels, TX	2	Much Higher than National Average						
Salt Lake City, UT	2	Much Higher than National Average						
Rochester, NY	2	Much Higher than National Average						
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	2	Much Lower than National Average						
Las Cruces, NM	2	Much Higher than National Average						
Indianapolis-Carmel-Anderson, IN	2	Higher than National Average						

Pharmacy Demand Report (PDR)

Retail Pharmacist

Job Postings Per State

State/Territory	2020							2021				
	Number of Pharmacists Licensed (as of Oct. 2020)	Q1 (Includes Carryover from 2019)	Q2	Q3	Q4	Total	Postings Quotient for 2020	Q1 (Includes Carryover from 2020)	Q2	Q3	Q4	Total
Alabama	10,335	8	2	12	5	27	2.61	6	3	14		23
Alaska	1,002	3	2	3	6	14	13.97	6	8	6		20
Arizona	12,051	86	29	29	71	215	17.84	95	55	69		219
Arkansas	6,540	6	2	3	3	14	2.14	8	8	3		19
California	47,926	321	150	83	91	645	13.46	154	106	97		357
Colorado	8,832	41	21	12	9	83	9.40	14	36	17		67
Connecticut	5,545	9	3	4	7	23	4.15	12	15	10		37
Delaware	2,415	1	0	1	4	6	2.48	1	10	3		14
District of Columbia	2,045	2	3	0	2	7	3.42	3	5	4		12
Florida	34,157	106	54	100	64	324	9.49	137	79	109		325
Georgia	15,216	33	29	44	26	132	8.68	59	32	40		131
Hawaii	2,451	0	1	1	2	4	1.63	4	2	0		6
Idaho	4,082	6	5	6	11	28	6.86	14	11	22		47
Illinois	18,446	41	23	13	43	120	6.51	72	37	50		159
Indiana	11,497	21	8	12	23	64	5.57	32	24	16		72
Iowa	6,349	4	3	0	3	10	1.58	7	14	12		33
Kansas	7,234	12	10	5	4	31	4.29	12	19	5		36
Kentucky	10,767	26	9	0	8	43	3.99	13	28	5		46
Louisiana	9,200	18	12	5	12	47	5.11	27	8	7		42
Maine	2,300	4	2	2	2	10	4.35	5	5	5		15
Maryland	12,228	15	6	6	7	34	2.78	15	12	10		37
Massachusetts	13,936	26	11	9	8	54	3.87	13	13	16		42
Michigan	16,582	42	18	7	27	94	5.67	49	48	32		129
Minnesota	9,033	9	10	2	6	27	2.99	29	22	22		73
Mississippi	6,357	6	1	1	0	8	1.26	1	7	11		19
Missouri	11,320	36	9	11	19	75	6.63	30	21	17		68
Montana	2,111	12	2	1	1	16	7.58	10	14	7		31
Nebraska	5,495	25	5	7	3	40	7.28	10	36	2		48
Nevada	7,721	32	17	17	11	77	9.97	20	16	13		49
New Hampshire	2,912	13	4	6	5	28	9.62	4	4	2		10
New Jersey	18,019	44	34	21	27	126	6.99	35	46	46		127
New Mexico	3,065	16	2	4	5	27	8.81	6	6	5		17
New York	27,113	68	86	21	49	224	8.26	110	51	75		236
North Carolina	17,009	13	12	14	9	48	2.82	33	8	5		46
North Dakota	2,336	36	6	6	3	51	21.83	13	7	5		25
Ohio	20,979	75	29	19	20	143	6.82	28	31	30		89
Oklahoma	7,838	8	11	5	9	33	4.21	30	18	12		60
Oregon	8,488	23	16	5	19	63	7.42	24	42	40		106
Pennsylvania	24,586	116	57	27	44	244	9.92	70	67	55		192
Puerto Rico	5,340	1	0	4	1	6	1.12	0	3	3		6
Rhode Island	2,185	5	5	0	6	16	7.32	5	7	2		14
South Carolina	9,458	21	11	11	18	61	6.45	34	10	12		56
South Dakota	2,046	3	0	2	1	6	2.93	6	7	7		20
Tennessee	12,556	18	4	14	16	52	4.14	24	13	6		43
Texas	35,669	126	47	47	49	269	7.54	98	80	76		254
Utah	4,094	9	1	1	2	13	3.18	2	17	8		27
Vermont	1,231	0	0	1	2	3	2.44	1	0	1		2
Virginia	15,616	14	4	2	6	26	1.66	13	16	12		41
Washington	10,969	76	31	9	24	140	12.76	40	43	61		144
West Virginia	5,522	3	1	0	5	9	1.63	1	1	0		2
Wisconsin	8,942	34	16	3	10	63	7.05	21	9	4		34
Wyoming	1,441	2	2	1	0	5	3.47	0	3	0		3

Pharmacy Demand Report (PDR)

Retail Pharmacist

Job Postings in the Top 25 Metropolitan Statistical Areas (MSAs)

2020			2021					
Full Year			Quarter 1			Quarter 2		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
New York-Newark-Jersey City, NY-NJ-PA	256	Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	101	Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	63	Similar to National Average
Phoenix-Mesa-Scottsdale, AZ	166	Much Higher than National Average	Phoenix-Mesa-Scottsdale, AZ	71	Much Higher than National Average	Phoenix-Mesa-Scottsdale, AZ	48	Much Higher than National Average
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	120	Higher than National Average	Chicago-Naperville-Elgin, IL-IN-WI	44	Similar to National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	43	Much Higher than National Average
Los Angeles-Long Beach-Anaheim, CA	118	Lower than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	43	Higher than National Average	Houston-The Woodlands-Sugar Land, TX	28	Higher than National Average
San Francisco-Oakland-Hayward, CA	100	Similar to National Average	San Francisco-Oakland-Hayward, CA	37	Similar to National Average	Miami-Fort Lauderdale-West Palm Beach, FL	26	Similar to National Average
Chicago-Naperville-Elgin, IL-IN-WI	95	Lower than National Average	Atlanta-Sandy Springs-Roswell, GA	32	Similar to National Average	Chicago-Naperville-Elgin, IL-IN-WI	25	Lower than National Average
Seattle-Tacoma-Bellevue, WA	94	Higher than National Average	Seattle-Tacoma-Bellevue, WA	31	Similar to National Average	Seattle-Tacoma-Bellevue, WA	24	Similar to National Average
Sacramento-Roseville-Arden-Arcade, CA	92	Much Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	30	Similar to National Average	Dallas-Fort Worth-Arlington, TX	24	Lower than National Average
Miami-Fort Lauderdale-West Palm Beach, FL	86	Higher than National Average	Minneapolis-St. Paul-Bloomington, MN-WI	26	Similar to National Average	San Francisco-Oakland-Hayward, CA	21	Lower than National Average
Dallas-Fort Worth-Arlington, TX	81	Much Lower than National Average	Los Angeles-Long Beach-Anaheim, CA	25	Much Lower than National Average	Omaha-Council Bluffs, NE-IA	18	Much Higher than National Average
Atlanta-Sandy Springs-Roswell, GA	79	Similar to National Average	Dallas-Fort Worth-Arlington, TX	25	Much Lower than National Average	Los Angeles-Long Beach-Anaheim, CA	18	Much Lower than National Average
Orlando-Kissimmee-Sanford, FL	76	Much Higher than National Average	Indianapolis-Carmel-Anderson, IN	23	Much Higher than National Average	Atlanta-Sandy Springs-Roswell, GA	18	Much Lower than National Average
Pittsburgh, PA	65	Much Higher than National Average	Pittsburgh, PA	22	Much Higher than National Average	Pittsburgh, PA	17	Much Higher than National Average
Houston-The Woodlands-Sugar Land, TX	54	Lower than National Average	Houston-The Woodlands-Sugar Land, TX	22	Similar to National Average	Orlando-Kissimmee-Sanford, FL	17	Higher than National Average
St. Louis, MO-IL	52	Higher than National Average	Sacramento-Roseville-Arden-Arcade, CA	19	Much Higher than National Average	Portland-Vancouver-Hillsboro, OR-WA	16	Similar to National Average
Riverside-San Bernardino-Ontario, CA	45	Similar to National Average	Orlando-Kissimmee-Sanford, FL	19	Higher than National Average	Detroit-Warren-Dearborn, MI	16	Similar to National Average
Milwaukee-Waukesha-West Allis, WI	43	Higher than National Average	St. Louis, MO-IL	18	Similar to National Average	Denver-Aurora-Lakewood, CO	15	Lower than National Average
San Diego-Carlsbad, CA	42	Lower than National Average	Portland-Vancouver-Hillsboro, OR-WA	18	Similar to National Average	Minneapolis-St. Paul-Bloomington, MN-WI	14	Lower than National Average
Denver-Aurora-Lakewood, CO	42	Much Lower than National Average	Detroit-Warren-Dearborn, MI	18	Lower than National Average	Kansas City, MO-KS	14	Higher than National Average
Portland-Vancouver-Hillsboro, OR-WA	41	Similar to National Average	Tucson, AZ	16	Much Higher than National Average	Indianapolis-Carmel-Anderson, IN	13	Similar to National Average
Las Vegas-Henderson-Paradise, NV	41	Higher than National Average	Las Vegas-Henderson-Paradise, NV	15	Much Higher than National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	12	Much Lower than National Average
Cleveland-Elyria, OH	39	Similar to National Average	Oklahoma City, OK	14	Much Higher than National Average	Tampa-St. Petersburg-Clearwater, FL	12	Lower than National Average
Indianapolis-Carmel-Anderson, IN	38	Similar to National Average	San Diego-Carlsbad, CA	13	Lower than National Average	Salt Lake City, UT	12	Much Higher than National Average
Detroit-Warren-Dearborn, MI	36	Much Lower than National Average	Boston-Cambridge-Nashua, MA-NH	12	Much Lower than National Average	St. Louis, MO-IL	11	Similar to National Average
Boston-Cambridge-Nashua, MA-NH	33	Much Lower than National Average	Boise City, ID	12	Much Higher than National Average	Sacramento-Roseville-Arden-Arcade, CA	9	Similar to National Average
			Quarter 3			Quarter 4		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
New York-Newark-Jersey City, NY-NJ-PA	68	Similar to National Average						
Phoenix-Mesa-Scottsdale, AZ	60	Much Higher than National Average						
Chicago-Naperville-Elgin, IL-IN-WI	41	Similar to National Average						
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	39	Much Higher than National Average						
Miami-Fort Lauderdale-West Palm Beach, FL	33	Much Higher than National Average						
Atlanta-Sandy Springs-Roswell, GA	30	Higher than National Average						
Seattle-Tacoma-Bellevue, WA	26	Similar to National Average						
Orlando-Kissimmee-Sanford, FL	26	Much Higher than National Average						
Houston-The Woodlands-Sugar Land, TX	25	Higher than National Average						
Dallas-Fort Worth-Arlington, TX	21	Much Lower than National Average						
San Francisco-Oakland-Hayward, CA	17	Lower than National Average						
Pittsburgh, PA	16	Much Higher than National Average						
Minneapolis-St. Paul-Bloomington, MN-WI	14	Lower than National Average						
Fresno, CA	13	Much Higher than National Average						
Boise City, ID	13	Much Higher than National Average						
Los Angeles-Long Beach-Anaheim, CA	12	Much Lower than National Average						
Indianapolis-Carmel-Anderson, IN	12	Similar to National Average						
Boston-Cambridge-Nashua, MA-NH	12	Much Lower than National Average						
Tampa-St. Petersburg-Clearwater, FL	11	Similar to National Average						
Kansas City, MO-KS	11	Similar to National Average						
San Diego-Carlsbad, CA	10	Lower than National Average						
Austin-Round Rock, TX	10	Lower than National Average						
Portland-Vancouver-Hillsboro, OR-WA	9	Lower than National Average						
Oklahoma City, OK	9	Much Higher than National Average						
Bellingham, WA	8	Much Higher than National Average						

Pharmacy Demand Report (PDR)

All Pharmacist Positions

(Excluding Pharmacy Technician)

Job Postings Per State

State/Territory	2020							2021				
	Number of Pharmacists Licensed (as of Oct. 2020)	Q1 (Includes Carryover from 2019)	Q2	Q3	Q4	Total	Postings Quotient for 2020	Q1 (Includes Carryover from 2020)	Q2	Q3	Q4	Total
Alabama	10,335	18	2	16	11	47	4.55	23	11	25		59
Alaska	1,002	14	3	5	18	40	39.92	26	18	17		61
Arizona	12,051	179	64	80	121	444	36.84	179	128	134		441
Arkansas	6,540	19	9	13	17	58	8.87	35	21	12		68
California	47,926	956	420	445	411	2,232	46.57	648	544	477		1,669
Colorado	8,832	106	42	55	57	260	29.44	82	86	57		225
Connecticut	5,545	90	41	47	44	222	40.04	66	60	47		173
Delaware	2,415	7	0	8	14	29	12.01	12	17	9		38
District of Columbia	2,045	11	7	8	11	37	18.09	17	13	7		37
Florida	34,157	401	129	295	265	1,090	31.91	446	309	312		1,067
Georgia	15,216	139	66	115	70	390	25.63	148	97	85		330
Hawaii	2,451	12	6	3	3	24	9.79	13	13	5		31
Idaho	4,082	33	9	19	23	84	20.58	41	38	38		117
Illinois	18,446	174	73	66	106	419	22.71	205	165	134		504
Indiana	11,497	88	38	35	72	233	20.27	107	61	46		214
Iowa	6,349	19	8	16	15	58	9.14	25	25	27		77
Kansas	7,234	35	21	14	13	83	11.47	28	31	15		74
Kentucky	10,767	78	28	27	32	165	15.32	66	63	34		163
Louisiana	9,200	94	33	30	29	186	20.22	72	26	32		130
Maine	2,300	18	7	12	11	48	20.87	21	13	11		45
Maryland	12,228	73	39	47	37	196	16.03	56	38	30		124
Massachusetts	13,936	97	39	62	60	258	18.51	73	42	37		152
Michigan	16,582	169	66	49	76	360	21.71	124	96	105		325
Minnesota	9,033	64	35	47	39	185	20.48	99	53	59		211
Mississippi	6,357	7	10	2	0	19	2.99	2	20	19		41
Missouri	11,320	135	28	55	64	282	24.91	96	87	55		238
Montana	2,111	24	3	5	3	35	16.58	16	26	20		62
Nebraska	5,495	42	9	10	11	72	13.10	21	49	7		77
Nevada	7,721	82	30	51	46	209	27.07	79	55	49		183
New Hampshire	2,912	22	10	26	15	73	25.07	20	16	16		52
New Jersey	18,019	143	86	53	72	354	19.65	111	127	109		347
New Mexico	3,065	39	17	22	16	94	30.67	26	30	21		77
New York	27,113	191	114	81	117	503	18.55	234	118	155		507
North Carolina	17,009	71	32	64	62	229	13.46	153	87	69		309
North Dakota	2,336	37	7	9	4	57	24.40	16	16	12		44
Ohio	20,979	360	76	112	178	726	34.61	207	148	117		472
Oklahoma	7,838	29	18	16	16	79	10.08	45	32	19		96
Oregon	8,488	49	26	11	32	118	13.90	43	72	61		176
Pennsylvania	24,586	253	133	77	83	546	22.21	173	136	126		435
Puerto Rico	5,340	4	1	5	4	14	2.62	5	6	7		18
Rhode Island	2,185	26	10	12	20	68	31.12	24	11	9		44
South Carolina	9,458	42	30	32	42	146	15.44	63	32	29		124
South Dakota	2,046	6	1	3	1	11	5.38	8	11	14		33
Tennessee	12,556	47	11	41	39	138	10.99	54	31	32		117
Texas	35,669	409	131	195	205	940	26.35	372	229	227		828
Utah	4,094	40	18	6	7	71	17.34	11	32	25		68
Vermont	1,231	2	0	2	2	6	4.87	2	7	4		13
Virginia	15,616	55	18	53	47	173	11.08	93	68	61		222
Washington	10,969	154	69	36	58	317	28.90	86	114	102		302
West Virginia	5,522	11	2	7	12	32	5.80	10	7	6		23
Wisconsin	8,942	85	39	24	35	183	20.47	56	34	25		115
Wyoming	1,441	5	2	2	1	10	6.94	5	6	5		16

Pharmacy Demand Report (PDR)

All Pharmacist Positions

(Excluding Pharmacy Technician)

Job Postings in the Top 50 Metropolitan Statistical Areas (MSAs)

2020			2021					
Full Year			Quarter 1			Quarter 2		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
Los Angeles-Long Beach-Anaheim, CA	679	Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	237	Similar to National Average	Los Angeles-Long Beach-Anaheim, CA	161	Similar to National Average
New York-Newark-Jersey City, NY-NJ-PA	610	Similar to National Average	Los Angeles-Long Beach-Anaheim, CA	185	Similar to National Average	New York-Newark-Jersey City, NY-NJ-PA	155	Similar to National Average
Miami-Fort Lauderdale-West Palm Beach, FL	373	Much Higher than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	167	Much Higher than National Average	Chicago-Naperville-Elgin, IL-IN-WI	148	Higher than National Average
Chicago-Naperville-Elgin, IL-IN-WI	371	Similar to National Average	Chicago-Naperville-Elgin, IL-IN-WI	154	Similar to National Average	Miami-Fort Lauderdale-West Palm Beach, FL	109	Higher than National Average
Phoenix-Mesa-Scottsdale, AZ	352	Similar to National Average	Phoenix-Mesa-Scottsdale, AZ	135	Higher than National Average	Phoenix-Mesa-Scottsdale, AZ	107	Higher than National Average
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	318	Similar to National Average	Houston-The Woodlands-Sugar Land, TX	96	Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	91	Higher than National Average
Sacramento-Roseville-Arden-Arcade, CA	301	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	96	Lower than National Average	San Francisco-Oakland-Hayward, CA	77	Similar to National Average
Dallas-Fort Worth-Arlington, TX	293	Lower than National Average	San Francisco-Oakland-Hayward, CA	94	Similar to National Average	Dallas-Fort Worth-Arlington, TX	67	Much Lower than National Average
San Francisco-Oakland-Hayward, CA	288	Similar to National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	83	Similar to National Average	Seattle-Tacoma-Bellevue, WA	65	Similar to National Average
Orlando-Kissimmee-Sanford, FL	242	Much Higher than National Average	Houston-The Woodlands-Sugar Land, TX	80	Much Higher than National Average	Houston-The Woodlands-Sugar Land, TX	61	Similar to National Average
Seattle-Tacoma-Bellevue, WA	239	Similar to National Average	Sacramento-Roseville-Arden-Arcade, CA	76	Much Higher than National Average	Orlando-Kissimmee-Sanford, FL	59	Much Higher than National Average
Cleveland-Elyria, OH	238	Much Higher than National Average	Minneapolis-St. Paul-Bloomington, MN-WI	76	Similar to National Average	Sacramento-Roseville-Arden-Arcade, CA	58	Much Higher than National Average
Atlanta-Sandy Springs-Roswell, GA	234	Lower than National Average	Atlanta-Sandy Springs-Roswell, GA	73	Lower than National Average	Denver-Aurora-Lakewood, CO	55	Lower than National Average
San Diego-Carlsbad, CA	225	Higher than National Average	Cleveland-Elyria, OH	68	Much Higher than National Average	Cincinnati, OH-KY-IN	49	Much Higher than National Average
Houston-The Woodlands-Sugar Land, TX	221	Similar to National Average	Seattle-Tacoma-Bellevue, WA	63	Lower than National Average	Tampa-St. Petersburg-Clearwater, FL	48	Similar to National Average
Boston-Cambridge-Nashua, MA-NH	197	Lower than National Average	Indianapolis-Carmel-Anderson, IN	63	Higher than National Average	San Diego-Carlsbad, CA	47	Similar to National Average
Detroit-Warren-Dearborn, MI	196	Similar to National Average	Detroit-Warren-Dearborn, MI	61	Similar to National Average	St. Louis, MO-IL	42	Higher than National Average
St. Louis, MO-IL	186	Higher than National Average	Boston-Cambridge-Nashua, MA-NH	61	Much Lower than National Average	Atlanta-Sandy Springs-Roswell, GA	42	Much Lower than National Average
Denver-Aurora-Lakewood, CO	162	Lower than National Average	Tampa-St. Petersburg-Clearwater, FL	59	Similar to National Average	Pittsburgh, PA	38	Higher than National Average
Baltimore-Columbia-Towson, MD	160	Similar to National Average	St. Louis, MO-IL	57	Similar to National Average	Minneapolis-St. Paul-Bloomington, MN-WI	38	Lower than National Average
Tampa-St. Petersburg-Clearwater, FL	141	Similar to National Average	San Diego-Carlsbad, CA	57	Similar to National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	37	Much Lower than National Average
Riverside-San Bernardino-Ontario, CA	141	Similar to National Average	Denver-Aurora-Lakewood, CO	54	Lower than National Average	Indianapolis-Carmel-Anderson, IN	36	Similar to National Average
Cincinnati, OH-KY-IN	134	Higher than National Average	Las Vegas-Henderson-Paradise, NV	52	Much Higher than National Average	Portland-Vancouver-Hillsboro, OR-WA	35	Similar to National Average
Pittsburgh, PA	133	Similar to National Average	Pittsburgh, PA	45	Similar to National Average	Boston-Cambridge-Nashua, MA-NH	34	Much Lower than National Average
Minneapolis-St. Paul-Bloomington, MN-WI	128	Much Lower than National Average	Louisville/Jefferson County, KY-IN	45	Much Higher than National Average	Detroit-Warren-Dearborn, MI	33	Much Lower than National Average
Las Vegas-Henderson-Paradise, NV	127	Higher than National Average	Baltimore-Columbia-Towson, MD	45	Similar to National Average	San Jose-Sunnyvale-Santa Clara, CA	32	Similar to National Average
San Antonio-New Braunfels, TX	121	Similar to National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	44	Much Lower than National Average	Kansas City, MO-KS	31	Similar to National Average
Washington-Arlington-Alexandria, DC-VA-MD-WV	108	Much Lower than National Average	San Antonio-New Braunfels, TX	44	Higher than National Average	Las Vegas-Henderson-Paradise, NV	30	Similar to National Average
Milwaukee-Waukesha-West Allis, WI	107	Similar to National Average	Cincinnati, OH-KY-IN	44	Similar to National Average	Cleveland-Elyria, OH	27	Similar to National Average
Louisville/Jefferson County, KY-IN	103	Higher than National Average	San Jose-Sunnyvale-Santa Clara, CA	41	Lower than National Average	Riverside-San Bernardino-Ontario, CA	26	Lower than National Average
Indianapolis-Carmel-Anderson, IN	103	Lower than National Average	Raleigh, NC	38	Similar to National Average	Louisville/Jefferson County, KY-IN	25	Higher than National Average
New Haven, CT	96	Much Higher than National Average	Baton Rouge, LA	37	Much Higher than National Average	San Antonio-New Braunfels, TX	24	Similar to National Average
Austin-Round Rock, TX	84	Much Lower than National Average	Milwaukee-Waukesha-West Allis, WI	33	Similar to National Average	Salt Lake City, UT	24	Similar to National Average
Columbus, OH	83	Lower than National Average	Columbus, OH	33	Similar to National Average	Jacksonville, FL	24	Similar to National Average
Fresno, CA	82	Much Higher than National Average	Boise City, ID	33	Much Higher than National Average	Baltimore-Columbia-Towson, MD	24	Lower than National Average
Portland-Vancouver-Hillsboro, OR-WA	80	Lower than National Average	Virginia Beach-Norfolk-Newport News, VA-NC	32	Similar to National Average	Reno, NV	23	Much Higher than National Average
San Jose-Sunnyvale-Santa Clara, CA	78	Much Lower than National Average	Riverside-San Bernardino-Ontario, CA	32	Much Lower than National Average	Omaha-Council Bluffs, NE-IA	23	Much Higher than National Average
Kansas City, MO-KS	78	Lower than National Average	Portland-Vancouver-Hillsboro, OR-WA	32	Much Lower than National Average	Durham-Chapel Hill, NC	23	Much Higher than National Average
Reno, NV	70	Much Higher than National Average	Tucson, AZ	28	Much Higher than National Average	New Haven, CT (Metropolitan NECTA)	22	Much Higher than National Average
Buffalo-Cheektowaga-Niagara Falls, NY	69	Higher than National Average	New Haven, CT	28	Much Higher than National Average	Grand Rapids-Wyoming, MI	22	Much Higher than National Average
Providence-Warwick, RI-MA	68	Higher than National Average	Nashville-Davidson--Murfreesboro--Franklin, TN	28	Lower than National Average	Virginia Beach-Norfolk-Newport News, VA-NC	21	Similar to National Average
Boise City, ID	65	Higher than National Average	Fresno, CA	28	Much Higher than National Average	Nashville-Davidson--Murfreesboro--Franklin, TN	21	Lower than National Average
Ann Arbor, MI	65	Much Higher than National Average	Buffalo-Cheektowaga-Niagara Falls, NY	26	Higher than National Average	Charlotte-Concord-Gastonia, NC-SC	21	Much Lower than National Average
Nashville-Davidson--Murfreesboro--Franklin, TN	64	Much Higher than National Average	Austin-Round Rock, TX	25	Much Lower than National Average	Milwaukee-Waukesha-West Allis, WI	20	Lower than National Average
New Orleans-Metairie, LA	61	Similar to National Average	Providence-Warwick, RI-MA	24	Much Higher than National Average	Fresno, CA	20	Much Higher than National Average
Albuquerque, NM	60	Higher than National Average	Kansas City, MO-KS	24	Much Lower than National Average	Spokane-Spokane Valley, WA	19	Much Higher than National Average
Salt Lake City, UT	59	Similar to National Average	Reno, NV	23	Much Higher than National Average	Richmond, VA	19	Similar to National Average
Hartford-West Hartford-East Hartford, CT	58	Similar to National Average	Oklahoma City, OK	23	Similar to National Average	Columbus, OH	19	Lower than National Average
Charlotte-Concord-Gastonia, NC-SC	58	Much Lower than National Average	Fayetteville, NC	23	Much Higher than National Average	Boise City, ID	19	Higher than National Average
Baton Rouge, LA	58	Much Higher than National Average	Modesto, CA	22	Much Higher than National Average	Raleigh, NC	17	Lower than National Average

Quarter 3			Quarter 4		
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
New York-Newark-Jersey City, NY-NJ-PA	164	Similar to National Average			
Los Angeles-Long Beach-Anaheim, CA	147	Similar to National Average			
Miami-Fort Lauderdale-West Palm Beach, FL	123	Much Higher than National Average			
Chicago-Naperville-Elgin, IL-IN-WI	112	Similar to National Average			
Phoenix-Mesa-Scottsdale, AZ	110	Much Higher than National Average			
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	106	Much Higher than National Average			
Dallas-Fort Worth-Arlington, TX	87	Lower than National Average			
Orlando-Kissimmee-Sanford, FL	72	Much Higher than National Average			
San Francisco-Oakland-Hayward, CA	62	Lower than National Average			
Seattle-Tacoma-Bellevue, WA	53	Lower than National Average			
Atlanta-Sandy Springs-Roswell, GA	50	Lower than National Average			
Sacramento-Roseville-Arden-Arcade, CA	45	Much Higher than National Average			
Houston-The Woodlands-Sugar Land, TX	45	Lower than National Average			
San Diego-Carlsbad, CA	42	Similar to National Average			
Detroit-Warren-Dearborn, MI	42	Lower than National Average			
Minneapolis-St. Paul-Bloomington, MN-WI	38	Lower than National Average			
Cincinnati, OH-KY-IN	38	Much Higher than National Average			
Denver-Aurora-Lakewood, CO	36	Much Lower than National Average			
Tampa-St. Petersburg-Clearwater, FL	32	Similar to National Average			
St. Louis, MO-IL	31	Similar to National Average			
San Antonio-New Braunfels, TX	30	Similar to National Average			
Boston-Cambridge-Nashua, MA-NH	30	Much Lower than National Average			
Fresno, CA	29	Much Higher than National Average			
San Jose-Sunnyvale-Santa Clara, CA	26	Lower than National Average			
Las Vegas-Henderson-Paradise, NV	26	Similar to National Average			
Indianapolis-Carmel-Anderson, IN	26	Similar to National Average			
Virginia Beach-Norfolk-Newport News, VA-NC	25	Higher than National Average			
Riverside-San Bernardino-Ontario, CA	25	Lower than National Average			
Cleveland-Elyria, OH	25	Similar to National Average			
Boise City, ID	24	Much Higher than National Average			
Baltimore-Columbia-Towson, MD	24	Lower than National Average			
Louisville/Jefferson County, KY-IN	22	Higher than National Average			
Kansas City, MO-KS	22	Lower than National Average			
Washington-Arlington-Alexandria, DC-VA-MD-WV	21	Much Lower than National Average			
Pittsburgh, PA	21	Similar to National Average			
Nashville-Davidson--Murfreesboro--Franklin, TN	21	Lower than National Average			
Salt Lake City, UT	20	Similar to National Average			
Portland-Vancouver-Hillsboro, OR-WA	19	Much Lower than National Average			
Charlotte-Concord-Gastonia, NC-SC	18	Much Lower than National Average			
Tucson, AZ	17	Much Higher than National Average			
Richmond, VA	17	Similar to National Average			
Reno, NV	17	Much Higher than National Average			
Hartford-West Hartford-East Hartford, CT	16	Similar to National Average			
Buffalo-Cheektowaga-Niagara Falls, NY	16	Higher than National Average			
Austin-Round Rock, TX	16	Much Lower than National Average			
Oklahoma City, OK	15	Similar to National Average			
Grand Rapids-Wyoming, MI	15	Higher than National Average			
Albuquerque, NM	14	Higher than National Average			
Milwaukee-Waukesha-West Allis, WI	13	Much Lower than National Average			
Hickory-Lenoir-Morgantown, NC	13	Much Higher than National Average			

Pharmacy Demand Report (PDR)

Pharmacy Technician

Job Postings Per State

State/Territory	2020							2021				
	Number of Employed Pharmacy Technicians According to BLS (as of May 2019)	Q1 (Includes Carryover from 2019)	Q2	Q3	Q4	Total	Postings Quotient for 2020	Q1 (Includes Carryover from 2020)	Q2	Q3	Q4	Total
Alabama	6,790	515	307	275	355	1,452	213.84	526	472	388		1,386
Alaska	590	73	44	62	62	241	408.47	113	102	73		288
Arizona	8,900	1,680	957	2,538	2,822	7,997	898.54	2,984	1,441	1,183		5,608
Arkansas	4,880	208	162	198	180	748	153.28	299	160	189		648
California	36,560	5,014	3,294	2,905	3,375	14,588	399.02	6,112	3,712	3,378		13,202
Colorado	5,600	1,201	504	655	903	3,263	582.68	1,416	918	780		3,114
Connecticut	3,870	566	359	338	391	1,654	427.39	633	369	355		1,357
Delaware	1,360	112	85	49	78	324	238.24	107	105	88		300
District of Columbia	670	115	78	52	67	312	465.67	105	77	72		254
Florida	29,800	3,052	1,770	1,903	2,186	8,911	299.03	3,980	2,767	2,095		8,842
Georgia	11,360	1,031	717	766	842	3,356	295.42	1,494	880	789		3,163
Hawaii	1,790	130	100	82	108	420	234.64	182	163	103		448
Idaho	2,190	225	106	185	196	712	325.11	491	238	222		951
Illinois	21,090	1,977	1,104	907	1,269	5,257	249.27	1,725	1,327	1,363		4,415
Indiana	9,610	1,214	713	550	1,084	3,561	370.55	1,901	1,008	840		3,749
Iowa	4,270	398	235	308	272	1,213	284.07	467	337	291		1,095
Kansas	4,220	418	208	262	360	1,248	295.73	530	305	320		1,155
Kentucky	8,840	751	468	495	564	2,278	257.69	908	495	461		1,864
Louisiana	6,150	710	462	330	397	1,899	308.78	757	494	465		1,716
Maine	2,270	208	120	91	115	534	235.24	156	84	83		323
Maryland	7,640	904	543	477	601	2,525	330.50	1,106	824	689		2,619
Massachusetts	9,150	1,522	946	783	979	4,230	462.30	1,504	946	894		3,344
Michigan	15,040	2,162	1,176	1,110	1,329	5,777	384.11	1,909	1,535	1,763		5,207
Minnesota	8,120	1,038	571	573	606	2,788	343.35	1,131	607	587		2,325
Mississippi	3,450	292	201	229	190	912	264.35	311	229	201		741
Missouri	9,970	919	563	507	544	2,533	254.06	800	592	594		1,986
Montana	1,180	129	77	103	79	388	328.81	142	127	93		362
Nebraska	2,510	312	214	228	165	919	366.14	269	192	145		606
Nevada	3,750	404	259	282	267	1,212	323.20	478	278	275		1,031
New Hampshire	1,870	344	248	306	376	1,274	681.28	353	193	168		714
New Jersey	9,810	1,450	1,086	682	949	4,167	424.77	1,477	1,212	994		3,683
New Mexico	2,340	227	115	140	130	612	261.54	213	174	139		526
New York	20,360	2,055	1,235	984	1,151	5,425	266.45	2,117	1,549	1,286		4,952
North Carolina	13,560	1,421	798	801	1,046	4,066	299.85	1,570	1,084	1,032		3,686
North Dakota	890	71	34	24	38	167	187.64	60	53	38		151
Ohio	16,470	2,558	1,452	1,553	1,909	7,472	453.67	2,509	1,693	1,562		5,764
Oklahoma	4,940	426	267	243	321	1,257	254.45	524	308	276		1,108
Oregon	4,900	581	296	237	380	1,494	304.90	652	457	407		1,516
Pennsylvania	18,250	2,297	1,326	951	1,206	5,780	316.71	1,788	1,703	1,427		4,918
Puerto Rico	5,530	40	8	43	36	127	22.97	54	35	13		102
Rhode Island	1,840	180	138	69	136	523	284.24	199	94	127		420
South Carolina	7,110	508	377	301	347	1,533	215.61	513	381	418		1,312
South Dakota	1,250	63	29	69	56	217	173.60	97	80	57		234
Tennessee	10,270	995	551	613	649	2,808	273.42	1,194	736	772		2,702
Texas	38,550	4,076	2,130	2,746	2,702	11,654	302.31	4,713	3,085	3,091		10,889
Utah	3,700	467	226	334	233	1,260	340.54	394	343	359		1,096
Vermont	740	68	48	68	37	221	298.65	55	48	29		132
Virginia	10,320	1,121	649	535	738	3,043	294.86	1,248	821	677		2,746
Washington	7,150	1,073	584	587	798	3,042	425.45	1,345	865	782		2,992
West Virginia	3,270	198	121	72	147	538	164.53	219	120	112		451
Wisconsin	7,990	952	593	453	582	2,580	322.90	1,023	693	633		2,349
Wyoming	570	34	18	25	34	111	194.74	49	31	27		107

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Pharmacy Demand Report (PDR)

Pharmacy Technician

Job Postings in the Top 25 Metropolitan Statistical Areas (MSAs)

2020		2021			
Full Year		Quarter 1		Quarter 2	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
Phoenix-Mesa-Scottsdale, AZ	6,977	Phoenix-Mesa-Scottsdale, AZ	2,493	New York-Newark-Jersey City, NY-NJ-PA	1,887
New York-Newark-Jersey City, NY-NJ-PA	6,099	New York-Newark-Jersey City, NY-NJ-PA	2,474	Los Angeles-Long Beach-Anaheim, CA	1,192
Los Angeles-Long Beach-Anaheim, CA	4,575	Los Angeles-Long Beach-Anaheim, CA	1,915	Dallas-Fort Worth-Arlington, TX	1,142
Chicago-Naperville-Elgin, IL-IN-WI	4,153	Dallas-Fort Worth-Arlington, TX	1,595	Phoenix-Mesa-Scottsdale, AZ	1,127
Dallas-Fort Worth-Arlington, TX	4,112	Chicago-Naperville-Elgin, IL-IN-WI	1,400	Chicago-Naperville-Elgin, IL-IN-WI	1,072
Boston-Cambridge-Nashua, MA-NH	3,324	Boston-Cambridge-Nashua, MA-NH	1,195	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	924
Detroit-Warren-Dearborn, MI	3,224	Indianapolis-Carmel-Anderson, IN	1,109	Miami-Fort Lauderdale-West Palm Beach, FL	873
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	3,082	Detroit-Warren-Dearborn, MI	1,086	Detroit-Warren-Dearborn, MI	788
Miami-Fort Lauderdale-West Palm Beach, FL	2,481	Miami-Fort Lauderdale-West Palm Beach, FL	1,063	Boston-Cambridge-Nashua, MA-NH	735
San Francisco-Oakland-Hayward, CA	2,322	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	1,001	Denver-Aurora-Lakewood, CO	605
Houston-The Woodlands-Sugar Land, TX	2,299	Houston-The Woodlands-Sugar Land, TX	926	Washington-Arlington-Alexandria, DC-VA-MD-WV	596
Cleveland-Elyria, OH	2,188	Atlanta-Sandy Springs-Roswell, GA	920	Houston-The Woodlands-Sugar Land, TX	592
Seattle-Tacoma-Bellevue, WA	2,048	San Francisco-Oakland-Hayward, CA	899	Seattle-Tacoma-Bellevue, WA	553
Atlanta-Sandy Springs-Roswell, GA	2,048	Denver-Aurora-Lakewood, CO	892	Atlanta-Sandy Springs-Roswell, GA	526
Minneapolis-St. Paul-Bloomington, MN-WI	1,978	Seattle-Tacoma-Bellevue, WA	876	Baltimore-Columbia-Towson, MD	516
Denver-Aurora-Lakewood, CO	1,978	Tampa-St. Petersburg-Clearwater, FL	842	Tampa-St. Petersburg-Clearwater, FL	509
Tampa-St. Petersburg-Clearwater, FL	1,860	Minneapolis-St. Paul-Bloomington, MN-WI	764	San Francisco-Oakland-Hayward, CA	496
Washington-Arlington-Alexandria, DC-VA-MD-WV	1,793	Riverside-San Bernardino-Ontario, CA	749	Indianapolis-Carmel-Anderson, IN	446
Indianapolis-Carmel-Anderson, IN	1,784	Washington-Arlington-Alexandria, DC-VA-MD-WV	742	Pittsburgh, PA	440
Baltimore-Columbia-Towson, MD	1,595	Baltimore-Columbia-Towson, MD	720	Orlando-Kissimmee-Sanford, FL	432
Pittsburgh, PA	1,569	Cleveland-Elyria, OH	680	Minneapolis-St. Paul-Bloomington, MN-WI	419
Orlando-Kissimmee-Sanford, FL	1,420	Orlando-Kissimmee-Sanford, FL	604	Riverside-San Bernardino-Ontario, CA	406
Riverside-San Bernardino-Ontario, CA	1,405	Cincinnati, OH-KY-IN	509	St. Louis, MO-IL	365
Austin-Round Rock, TX	1,390	Kansas City, MO-KS	497	Cleveland-Elyria, OH	363
St. Louis, MO-IL	1,380	San Diego-Carlsbad, CA	495	Portland-Vancouver-Hillsboro, OR-WA	345
		Quarter 3		Quarter 4	
		Metro Area	Job Postings	Metro Area	Job Postings
		New York-Newark-Jersey City, NY-NJ-PA	1,504		
		Chicago-Naperville-Elgin, IL-IN-WI	1,141		
		Los Angeles-Long Beach-Anaheim, CA	1,113		
		Dallas-Fort Worth-Arlington, TX	1,054		
		Detroit-Warren-Dearborn, MI	960		
		Phoenix-Mesa-Scottsdale, AZ	959		
		Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	830		
		Houston-The Woodlands-Sugar Land, TX	651		
		Boston-Cambridge-Nashua, MA-NH	647		
		Miami-Fort Lauderdale-West Palm Beach, FL	621		
		Seattle-Tacoma-Bellevue, WA	482		
		Denver-Aurora-Lakewood, CO	477		
		Atlanta-Sandy Springs-Roswell, GA	477		
		Baltimore-Columbia-Towson, MD	449		
		Washington-Arlington-Alexandria, DC-VA-MD-WV	444		
		San Francisco-Oakland-Hayward, CA	435		
		Minneapolis-St. Paul-Bloomington, MN-WI	425		
		Tampa-St. Petersburg-Clearwater, FL	368		
		Nashville-Davidson--Murfreesboro--Franklin, TN	367		
		Columbus, OH	364		
		Indianapolis-Carmel-Anderson, IN	360		
		Riverside-San Bernardino-Ontario, CA	329		
		Kansas City, MO-KS	315		
		Orlando-Kissimmee-Sanford, FL	314		
		San Antonio-New Braunfels, TX	309		