

American Association of  
Colleges of Pharmacy

American College of  
Clinical Pharmacy

American Pharmacists  
Association

American Society of  
Health-System Pharmacists

Board of Pharmacy Specialties

Hematology/Oncology Pharmacy  
Association

National Alliance of State  
Pharmacy Associations

National Community  
Pharmacists Association

Pharmacy Technician  
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## Pharmacy Demand Report (PDR) Executive Summary

### 3rd Quarter 2023

This is the executive summary of the Pharmacy Demand Report (PDR) through the first three quarters 2023. An overview of the PDR can be found [online](#).

#### *Pharmacists*

There have been 60,882 job postings for pharmacists through the first three quarters of 2023. Highlights for pharmacist job postings for 2023 include:

- 11,329 job postings were reported for the first quarter, 21,567 postings were reported for the second quarter, and 12,771 postings were reported for the third quarter;
- The highest number of job postings were in the southern part of the country, followed by the west, midwest, and northeast;
- California had the highest number of job postings (7,082), followed by Texas (3,905), Florida (3,151), New York (2,755), Illinois (2,222), and Pennsylvania (2,169). South Dakota (135), Hawaii (185), and Alaska (193) had less than 200 job postings;
- The MSAs with the highest number of job postings in the first quarter were New York-Newark, Los Angeles, and Boston. The MSAs with the highest number of job postings in the second quarter were New York-Newark, Chicago, and Boston and the MSAs with the highest number of job postings in the third quarter were New York-Newark, Chicago, and Philadelphia; and
- The highest number of postings were for the Retail Pharmacist position (31,870) followed by the Clinical Pharmacist position (15,652), Hospital Pharmacist position (5,695), the Other Pharmacist Occupations category (4,646), and Pharmacy Director position (3,019).

#### *Pharmacy Technicians*

There were 111,803 job postings for pharmacy technicians through the first three quarters 2023. Highlights for pharmacy technicians job postings for 2023 include:

- 36,053 job postings were reported for the first quarter, 36,222 were reported for the second quarter, and 39,528 were reported for the third quarter;
- The highest number of job postings were in the southern part of the country, followed by the midwest, west, and northeast;
- California had the highest number of job postings (11,573) followed by Texas (8,827), Florida (7,019), Illinois (4,915), Michigan (4,394), and New York (4,351). Wyoming had the lowest number of job postings (189); and
- The same three MSAs had the highest number of job postings for each of the quarters in 2023: New York-Newark, Chicago, and Los Angeles.

## **Updated to the Pharmacy Demand Report Data Sourcing**

In Fall 2023, the software that the Pharmacy Workforce Center (PWC) uses to generate the Pharmacy Demand Report (PDR) changed from the Emsi-Burning Glass Labor Insight tool to the Lightcast (formerly Emsi-Burning Glass) Developer tool. With a more robust system, the Lightcast Developer will deliver more accurate quarterly job posting data. To account for this change in data sourcing, the PWC has updated the job posting numbers for 2022 and 2023 for more accurate comparisons.

## Regional Data

Clinical Pharmacist										
	2022					2023				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	608	629	736	728	2,701	869	943	755	0	2,567
South	1,537	1,640	1,545	1,694	6,416	1,729	1,946	1,758	0	5,433
Midwest	1,018	970	1,116	1,321	4,425	1,178	1,236	1,125	0	3,539
West	1,210	1,297	1,504	1,512	5,523	1,493	1,441	1,179	0	4,113

Retail Pharmacist										
	2022					2023				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	1,679	1,805	2,743	1,948	8,175	1,828	1,989	2,558	0	6,375
South	3,343	3,011	4,064	3,402	13,820	3,349	3,735	4,409	0	11,493
Midwest	2,017	1,703	2,328	1,955	8,003	1,911	2,069	2,504	0	6,484
West	2,076	1,935	2,588	2,486	9,085	2,613	2,288	2,617	0	7,518

Hospital Pharmacist										
	2022					2023				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	252	254	320	250	1,076	359	376	346	0	1,081
South	479	444	489	376	1,788	479	669	585	0	1,733
Midwest	346	337	359	436	1,478	355	462	391	0	1,208
West	547	522	376	379	1,824	557	721	395	0	1,673

All Pharmacist Positions										
	2022					2023				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	2,867	3,107	4,178	3,326	13,478	3,405	3,810	4,139	0	11,354
South	6,124	5,943	6,833	6,198	25,098	6,369	7,266	7,932	0	21,567
Midwest	3,845	3,490	4,247	4,160	15,742	3,907	4,318	4,546	0	12,771
West	4,407	4,428	5,064	4,962	18,861	5,414	5,082	4,719	0	15,215

Other Pharmacist Occupations										
	2022					2023				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	153	213	221	274	861	215	353	364	0	932
South	332	385	390	353	1,460	416	519	765	0	1,700
Midwest	247	201	250	201	899	226	351	313	0	890
West	227	333	326	277	1,163	458	383	283	0	1,124

Pharmacy Technicians										
	2022					2023				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	5,665	6,366	6,903	6,829	25,763	5,431	5,485	6,854	0	17,770
South	14,833	14,065	15,221	14,326	58,445	13,099	13,830	14,170	0	41,099
Midwest	9,873	9,797	11,073	10,128	40,871	8,268	8,685	9,859	0	26,812
West	9,765	10,117	9,975	9,384	39,241	9,255	8,222	8,645	0	26,122

Pharmacy Director										
	2022					2023				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast	175	206	158	126	665	134	149	116	0	399
South	433	463	345	373	1,614	396	397	415	0	1,208
Midwest	217	279	194	247	937	237	200	213	0	650
West	347	341	270	308	1,266	293	249	245	0	787

# Pharmacy Demand Report (PDR)

## Clinical Pharmacist

### Job Postings Per State

State/Territory	2022							2023						
	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2022	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2023
Alabama	9,606	38	53	57	72	220	22.90	9,606	59	82	65		206	21.44
Alaska	1,002	12	17	29	19	77	76.85	1,002	16	12	25		53	52.89
Arizona	12,051	201	151	202	187	741	61.49	12,051	172	161	121		454	37.67
Arkansas	6,948	21	30	34	33	118	16.98	6,948	45	61	45		151	21.73
California	48,915	476	550	644	656	2,326	47.55	48,915	636	507	465		1,608	32.87
Colorado	8,874	115	141	116	119	491	55.33	8,874	117	131	62		310	34.93
Connecticut	5,545	79	52	56	64	251	45.27	5,545	65	112	97		274	49.41
Delaware	2,415	36	15	23	10	84	34.78	2,415	38	32	10		80	33.13
District of Columbia	2,036	12	16	19	23	70	34.38	2,036	40	54	46		140	68.76
Florida	35,824	461	410	305	365	1,541	43.02	35,824	359	306	319		984	27.47
Georgia	15,216	63	77	79	74	293	19.26	15,216	105	108	99		312	20.50
Hawaii	2,451	9	10	18	16	53	21.62	2,451	16	31	20		67	27.34
Idaho	3,911	54	51	55	56	216	55.23	3,911	46	82	70		198	50.63
Illinois	21,122	257	233	210	243	943	44.65	21,122	207	252	241		700	33.14
Indiana	11,497	67	65	104	100	336	29.23	11,497	110	84	93		287	24.96
Iowa	6,522	54	41	46	58	199	30.51	6,522	51	88	31		170	26.07
Kansas	8,065	51	49	54	61	215	26.66	8,065	90	97	82		269	33.35
Kentucky	10,939	53	52	45	83	233	21.30	10,939	81	71	60		212	19.38
Louisiana	9,572	53	65	157	83	358	37.40	9,572	100	151	58		309	32.28
Maine	2,343	15	18	24	34	91	38.84	2,343	48	26	25		99	42.25
Maryland	12,228	60	96	80	131	367	30.01	12,228	138	156	100		394	32.22
Massachusetts	14,555	131	154	171	158	614	42.18	14,555	179	221	179		579	39.78
Michigan	16,867	188	151	220	164	723	42.86	16,867	185	146	112		443	26.26
Minnesota	9,354	56	50	69	128	303	32.39	9,354	71	73	72		216	23.09
Mississippi	6,789	23	16	27	30	96	14.14	6,789	23	42	34		99	14.58
Missouri	11,878	105	79	102	117	403	33.93	11,878	136	112	166		414	34.85
Montana	2,288	39	39	28	48	154	67.31	2,288	21	33	28		82	35.84
Nebraska	5,495	19	24	54	56	153	27.84	5,495	41	51	38		130	23.66
Nevada	7,721	68	64	34	58	224	29.01	7,721	39	61	58		158	20.46
New Hampshire	2,827	23	41	21	28	113	39.97	2,827	23	41	31		95	33.60
New Jersey	18,019	90	94	114	103	401	22.25	18,019	121	108	112		341	18.92
New Mexico	3,158	24	27	53	48	152	48.13	3,158	69	54	66		189	59.85
New York	29,564	118	102	159	155	534	18.06	29,564	247	143	139		529	17.89
North Carolina	17,617	123	112	123	131	489	27.76	17,617	143	142	151		436	24.75
North Dakota	2,431	8	16	21	41	86	35.38	2,431	10	34	22		66	27.15
Ohio	21,740	142	203	166	212	723	33.26	21,740	176	187	145		508	23.37
Oklahoma	8,150	43	47	42	43	175	21.47	8,150	34	92	93		219	26.87
Oregon	8,737	80	93	161	86	420	48.07	8,737	149	136	85		370	42.35
Pennsylvania	24,587	133	138	159	141	571	23.22	24,587	159	208	121		488	19.85
Puerto Rico	5,340					0	0.00	5,340					0	0.00
Rhode Island	2,185	11	13	16	27	67	30.66	2,185	15	60	35		110	50.34
South Carolina	9,217	41	53	49	53	196	21.27	9,217	54	65	40		159	17.25
South Dakota	2,124	24	15	14	20	73	34.37	2,124	14	11	9		34	16.01
Tennessee	12,556	81	91	96	87	355	28.27	12,556	71	89	77		237	18.88
Texas	36,154	345	398	289	353	1,385	38.31	36,154	289	348	426		1,063	29.40
Utah	4,257	24	35	25	30	114	26.78	4,257	33	48	56		137	32.18
Vermont	1,404	8	17	16	18	59	42.02	1,404	12	24	16		52	37.04
Virginia	16,079	75	88	98	113	374	23.26	16,079	112	123	115		350	21.77
Washington	11,001	100	108	135	173	516	46.90	11,001	156	162	93		411	37.36
West Virginia	5,760	9	21	22	10	62	10.76	5,760	38	24	20		82	14.24
Wisconsin	8,942	47	44	56	121	268	29.97	8,942	87	101	114		302	33.77
Wyoming	1,452	8	11	4	16	39	26.86	1,452	23	23	30		76	52.34

# Pharmacy Demand Report (PDR)

## Clinical Pharmacist

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

2022		2023			
Full Year		Quarter 1		Quarter 2	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
Chicago-Naperville-Elgin, IL-IN-WI	761	Chicago-Naperville-Elgin, IL-IN-WI	172	Chicago-Naperville-Elgin, IL-IN-WI	185
Los Angeles-Long Beach-Anaheim, CA	658	New York-Newark-Jersey City, NY-NJ-PA	154	New York-Newark-Jersey City, NY-NJ-PA	153
New York-Newark-Jersey City, NY-NJ-PA	622	Boston-Cambridge-Newton, MA-NH	142	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	141
Miami-Fort Lauderdale-Pompano Beach, FL	566	Los Angeles-Long Beach-Anaheim, CA	135	Boston-Cambridge-Newton, MA-NH	135
Boston-Cambridge-Newton, MA-NH	458	Miami-Fort Lauderdale-Pompano Beach, FL	122	Los Angeles-Long Beach-Anaheim, CA	109
Phoenix-Mesa-Chandler, AZ	415	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	117	Washington-Arlington-Alexandria, DC-VA-MD-WV	107
Dallas-Fort Worth-Arlington, TX	383	Baltimore-Columbia-Towson, MD	106	Houston-The Woodlands-Sugar Land, TX	96
Houston-The Woodlands-Sugar Land, TX	355	Phoenix-Mesa-Chandler, AZ	99	Baltimore-Columbia-Towson, MD	95
San Francisco-Oakland-Berkeley, CA	333	San Francisco-Oakland-Berkeley, CA	89	Dallas-Fort Worth-Arlington, TX	92
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	321	Denver-Aurora-Lakewood, CO	82	San Francisco-Oakland-Berkeley, CA	88
Detroit-Warren-Dearborn, MI	294	Orlando-Kissimmee-Sanford, FL	81	Phoenix-Mesa-Chandler, AZ	83
Denver-Aurora-Lakewood, CO	280	Kansas City, MO-KS	78	Miami-Fort Lauderdale-Pompano Beach, FL	81
Baltimore-Columbia-Towson, MD	273	Washington-Arlington-Alexandria, DC-VA-MD-WV	78	Denver-Aurora-Lakewood, CO	79
Seattle-Tacoma-Bellevue, WA	267	Sacramento-Roseville-Folsom, CA	75	Sacramento-Roseville-Folsom, CA	78
Portland-Vancouver-Hillsboro, OR-WA	241	Seattle-Tacoma-Bellevue, WA	75	Seattle-Tacoma-Bellevue, WA	77
Orlando-Kissimmee-Sanford, FL	240	Cleveland-Elyria, OH	72	Orlando-Kissimmee-Sanford, FL	64
Tampa-St. Petersburg-Clearwater, FL	237	Portland-Vancouver-Hillsboro, OR-WA	69	Cleveland-Elyria, OH	63
Kansas City, MO-KS	227	Dallas-Fort Worth-Arlington, TX	68	Kansas City, MO-KS	62
Sacramento-Roseville-Folsom, CA	207	Houston-The Woodlands-Sugar Land, TX	67	Portland-Vancouver-Hillsboro, OR-WA	60
Charlotte-Concord-Gastonia, NC-SC	206	St. Louis, MO-IL	60	Atlanta-Sandy Springs-Alpharetta, GA	57
Cincinnati, OH-KY-IN	205	San Antonio-New Braunfels, TX	59	Cincinnati, OH-KY-IN	57
San Jose-Sunnyvale-Santa Clara, CA	198	Syracuse, NY	58	Providence-Warwick, RI-MA	57
St. Louis, MO-IL	192	Tampa-St. Petersburg-Clearwater, FL	58	Minneapolis-St. Paul-Bloomington, MN-WI	54
New Orleans-Metairie, LA	191	Atlanta-Sandy Springs-Alpharetta, GA	57	New Haven-Milford, CT	50
Washington-Arlington-Alexandria, DC-VA-MD-WV	189	Detroit-Warren-Dearborn, MI	57	Boise City, ID	47
		Quarter 3		Quarter 4	
		Metro Area	Job Postings	Metro Area	Job Postings
		Chicago-Naperville-Elgin, IL-IN-WI	174		
		New York-Newark-Jersey City, NY-NJ-PA	164		
		Houston-The Woodlands-Sugar Land, TX	120		
		Los Angeles-Long Beach-Anaheim, CA	107		
		Boston-Cambridge-Newton, MA-NH	106		
		Miami-Fort Lauderdale-Pompano Beach, FL	101		
		Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	94		
		San Francisco-Oakland-Berkeley, CA	90		
		Dallas-Fort Worth-Arlington, TX	85		
		Washington-Arlington-Alexandria, DC-VA-MD-WV	79		
		Phoenix-Mesa-Chandler, AZ	78		
		Kansas City, MO-KS	76		
		Baltimore-Columbia-Towson, MD	71		
		San Antonio-New Braunfels, TX	69		
		Atlanta-Sandy Springs-Alpharetta, GA	67		
		St. Louis, MO-IL	65		
		Sacramento-Roseville-Folsom, CA	57		
		Tampa-St. Petersburg-Clearwater, FL	52		
		Cincinnati, OH-KY-IN	48		
		New Haven-Milford, CT	46		
		Minneapolis-St. Paul-Bloomington, MN-WI	45		
		Virginia Beach-Norfolk-Newport News, VA-NC	45		
		Oklahoma City, OK	43		
		Indianapolis-Carmel-Anderson, IN	41		
		Orlando-Kissimmee-Sanford, FL	39		

# Pharmacy Demand Report (PDR)

## Hospital Pharmacist

### Job Postings Per State

State/Territory	2022							2023						
	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2022	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2023
Alabama	9,606	36	23	43	13	115	52.63	9,606	22	25	33		80	36.61
Alaska	1,002	10	2	5	7	24	23.95	1,002	2	7	9		18	17.96
Arizona	12,051	79	52	52	35	218	18.09	12,051	40	65	42		147	12.20
Arkansas	6,948	8	13	15	19	55	7.92	6,948	22	22	24		68	9.79
California	48,915	205	202	172	206	785	16.05	48,915	379	449	180		1,008	20.61
Colorado	8,874	55	72	35	24	186	20.96	8,874	20	28	21		69	7.78
Connecticut	5,545	17	16	15	14	62	11.18	5,545	23	29	27		79	14.25
Delaware	2,415	9	5	3	4	21	8.70	2,415	6	5	6		17	7.04
District of Columbia	2,036	4	1	2	6	13	6.39	2,036	3	4	3		10	4.91
Florida	35,824	116	90	58	53	317	8.85	35,824	61	83	59		203	5.67
Georgia	15,216	29	29	26	28	112	7.36	15,216	30	33	35		98	6.44
Hawaii	2,451	0	1	1	1	3	1.22	2,451	1	3	9		13	5.30
Idaho	3,911	20	29	14	19	82	20.97	3,911	24	12	23		59	15.09
Illinois	21,122	52	47	48	49	196	9.28	21,122	32	52	37		121	5.73
Indiana	11,497	43	48	55	35	181	15.74	11,497	26	57	59		142	12.35
Iowa	6,522	21	17	10	19	67	10.27	6,522	18	21	14		53	8.13
Kansas	8,065	22	15	14	11	62	7.69	8,065	14	10	9		33	4.09
Kentucky	10,939	35	20	26	11	92	8.41	10,939	26	33	30		89	8.14
Louisiana	9,572	12	23	66	13	114	11.91	9,572	21	85	25		131	13.69
Maine	2,343	4	3	4	5	16	6.83	2,343	52	17	31		100	42.68
Maryland	12,228	15	14	18	24	71	5.81	12,228	29	20	21		70	5.72
Massachusetts	14,555	24	19	28	25	96	6.60	14,555	35	47	36		118	8.11
Michigan	16,867	35	35	43	44	157	9.31	16,867	43	33	47		123	7.29
Minnesota	9,354	23	25	20	32	100	10.69	9,354	19	27	15		61	6.52
Mississippi	6,789	7	5	7	5	24	3.54	6,789	5	5	4		14	2.06
Missouri	11,878	15	21	27	14	77	6.48	11,878	38	55	55		148	12.46
Montana	2,288	15	8	8	8	39	17.05	2,288	10	9	17		36	15.73
Nebraska	5,495	17	12	13	16	58	10.56	5,495	10	28	9		47	8.55
Nevada	7,721	46	29	11	19	105	13.60	7,721	9	38	18		65	8.42
New Hampshire	2,827	7	15	7	12	41	14.50	2,827	18	11	6		35	12.38
New Jersey	18,019	49	68	61	48	226	12.54	18,019	72	81	70		223	12.38
New Mexico	3,158	13	32	7	12	64	20.27	3,158	24	33	19		76	24.07
New York	29,564	71	62	114	75	322	10.89	29,564	93	116	107		316	10.69
North Carolina	17,617	32	24	54	46	156	8.86	17,617	38	82	50		170	9.65
North Dakota	2,431	9	10	14	25	58	23.86	2,431	15	5	7		27	11.11
Ohio	21,740	69	68	63	78	278	12.79	21,740	84	132	87		303	13.94
Oklahoma	8,150	15	20	20	22	77	9.45	8,150	31	28	59		118	14.48
Oregon	8,737	26	37	32	12	107	12.25	8,737	17	29	15		61	6.98
Pennsylvania	24,587	74	64	87	63	288	11.71	24,587	61	69	66		196	7.97
Puerto Rico	5,340					0	0.00	5,340					0	0.00
Rhode Island	2,185	5	3	2	6	16	7.32	2,185	4	4	3		11	5.03
South Carolina	9,217	14	12	13	14	53	5.75	9,217	18	26	24		68	7.38
South Dakota	2,124	6	14	8	2	30	14.12	2,124	2	5	10		17	8.00
Tennessee	12,556	21	16	26	24	87	6.93	12,556	19	28	28		75	5.97
Texas	36,154	92	95	83	65	335	9.27	36,154	106	137	144		387	10.70
Utah	4,257	4	23	5	5	37	8.69	4,257	4	4	3		11	2.58
Vermont	1,404	1	4	2	2	9	6.41	1,404	1	2	0		3	2.14
Virginia	16,079	19	25	21	19	84	5.22	16,079	24	34	25		83	5.16
Washington	11,001	64	29	30	25	148	13.45	11,001	22	38	18		78	7.09
West Virginia	5,760	15	29	8	10	62	10.76	5,760	18	19	15		52	9.03
Wisconsin	8,942	34	25	44	111	214	23.93	8,942	54	37	42		133	14.87
Wyoming	1,452	10	6	4	6	26	17.91	1,452	5	6	21		32	22.04

# Pharmacy Demand Report (PDR)

## Hospital Pharmacist

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

2022		2023			
Full Year		Quarter 1		Quarter 2	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	374	New York-Newark-Jersey City, NY-NJ-PA	126	New York-Newark-Jersey City, NY-NJ-PA	146
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	184	San Francisco-Oakland-Berkeley, CA	95	San Francisco-Oakland-Berkeley, CA	116
Los Angeles-Long Beach-Anaheim, CA	168	Sacramento-Roseville-Folsom, CA	66	Cleveland-Elyria, OH	71
Chicago-Naperville-Elgin, IL-IN-WI	154	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	47	Sacramento-Roseville-Folsom, CA	65
San Francisco-Oakland-Berkeley, CA	139	Los Angeles-Long Beach-Anaheim, CA	41	Los Angeles-Long Beach-Anaheim, CA	57
Houston-The Woodlands-Sugar Land, TX	107	Boston-Cambridge-Newton, MA-NH	27	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	47
Phoenix-Mesa-Chandler, AZ	104	Milwaukee-Waukesha, WI	27	Houston-The Woodlands-Sugar Land, TX	45
Denver-Aurora-Lakewood, CO	90	Houston-The Woodlands-Sugar Land, TX	26	Chicago-Naperville-Elgin, IL-IN-WI	43
San Diego-Chula Vista-Carlsbad, CA	88	Atlanta-Sandy Springs-Alpharetta, GA	25	Boston-Cambridge-Newton, MA-NH	36
Sacramento-Roseville-Folsom, CA	84	Chicago-Naperville-Elgin, IL-IN-WI	25	Las Vegas-Henderson-Paradise, NV	29
Miami-Fort Lauderdale-Pompano Beach, FL	82	Columbus, OH	23	New Orleans-Metairie, LA	29
Dallas-Fort Worth-Arlington, TX	80	San Jose-Sunnyvale-Santa Clara, CA	23	San Jose-Sunnyvale-Santa Clara, CA	28
Indianapolis-Carmel-Anderson, IN	79	Bakersfield, CA	21	Phoenix-Mesa-Chandler, AZ	27
Milwaukee-Waukesha, WI	78	Phoenix-Mesa-Chandler, AZ	20	San Diego-Chula Vista-Carlsbad, CA	26
Seattle-Tacoma-Bellevue, WA	76	San Diego-Chula Vista-Carlsbad, CA	20	Columbus, OH	25
Boston-Cambridge-Newton, MA-NH	75	Baltimore-Columbia-Towson, MD	19	Dallas-Fort Worth-Arlington, TX	21
Detroit-Warren-Dearborn, MI	67	Albuquerque, NM	18	Kansas City, MO-KS	21
Portland-Vancouver-Hillsboro, OR-WA	62	Dallas-Fort Worth-Arlington, TX	17	St. Louis, MO-IL	21
Kansas City, MO-KS	61	Boise City, ID	16	Atlanta-Sandy Springs-Alpharetta, GA	20
Tucson, AZ	60	Cleveland-Elyria, OH	16	Miami-Fort Lauderdale-Pompano Beach, FL	20
Las Vegas-Henderson-Paradise, NV	59	Hartford-East Hartford-Middletown, CT	16	Modesto, CA	19
Cincinnati, OH-KY-IN	58	Oklahoma City, OK	16	Oklahoma City, OK	18
New Orleans-Metairie, LA	58	Kansas City, MO-KS	15	Seattle-Tacoma-Bellevue, WA	18
Riverside-San Bernardino-Ontario, CA	57	Lebanon, NH-VT	15	Milwaukee-Waukesha, WI	17
Pittsburgh, PA	56	Stockton, CA	15	Santa Rosa-Petaluma, CA	17
		Quarter 3		Quarter 4	
		Metro Area	Job Postings	Metro Area	Job Postings
		New York-Newark-Jersey City, NY-NJ-PA	130		
		Oklahoma City, OK	41		
		Houston-The Woodlands-Sugar Land, TX	39		
		Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	36		
		Los Angeles-Long Beach-Anaheim, CA	35		
		San Francisco-Oakland-Berkeley, CA	34		
		Dallas-Fort Worth-Arlington, TX	31		
		St. Louis, MO-IL	30		
		Chicago-Naperville-Elgin, IL-IN-WI	29		
		Boston-Cambridge-Newton, MA-NH	26		
		Phoenix-Mesa-Chandler, AZ	22		
		San Diego-Chula Vista-Carlsbad, CA	21		
		Indianapolis-Carmel-Anderson, IN	20		
		Pittsburgh, PA	20		
		Louisville/Jefferson County, KY-IN	19		
		Baltimore-Columbia-Towson, MD	18		
		Toledo, OH	18		
		Atlanta-Sandy Springs-Alpharetta, GA	17		
		Cincinnati, OH-KY-IN	17		
		Columbus, OH	17		
		Sacramento-Roseville-Folsom, CA	17		
		Detroit-Warren-Dearborn, MI	16		
		Hartford-East Hartford-Middletown, CT	15		
		Lewiston-Auburn, ME	15		
		New Orleans-Metairie, LA	15		

# Pharmacy Demand Report (PDR)

## Other Pharmacist Occupations

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

### Job Postings Per State

State/Territory	2022							2023						
	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2022	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2023
Alabama	9,606	18	10	8	4	40	4.16	9,606	7	7	7		21	2.19
Alaska	1,002	5	8	4	1	18	17.96	1,002	2	7	15		24	23.95
Arizona	12,051	31	28	59	35	153	12.70	12,051	45	35	41		121	10.04
Arkansas	6,948	9	6	6	2	23	3.31	6,948	7	13	6		26	3.74
California	48,915	104	195	145	139	583	11.92	48,915	315	177	104		596	12.18
Colorado	8,874	23	28	23	15	89	10.03	8,874	17	30	21		68	7.66
Connecticut	5,545	12	17	21	13	63	11.36	5,545	11	37	23		71	12.80
Delaware	2,415	6	3	4	1	14	5.80	2,415	6	6	3		15	6.21
District of Columbia	2,036	5	1	3	5	14	6.88	2,036	12	3	3		18	8.84
Florida	35,824	63	52	54	65	234	6.53	35,824	72	117	72		261	7.29
Georgia	15,216	26	56	61	50	193	12.68	15,216	41	36	63		140	9.20
Hawaii	2,451	0	5	14	20	39	15.91	2,451	5	8	8		21	8.57
Idaho	3,911	6	9	7	7	29	7.41	3,911	10	3	14		27	6.90
Illinois	21,122	43	45	59	43	190	9.00	21,122	37	67	85		189	8.95
Indiana	11,497	18	10	20	20	68	5.91	11,497	21	45	31		97	8.44
Iowa	6,522	9	7	6	11	33	5.06	6,522	11	8	13		32	4.91
Kansas	8,065	10	11	4	7	32	3.97	8,065	22	8	11		41	5.08
Kentucky	10,939	7	10	8	12	37	3.38	10,939	8	20	27		55	5.03
Louisiana	9,572	11	15	20	31	77	8.04	9,572	34	16	85		135	14.10
Maine	2,343	4	7	5	7	23	9.82	2,343	4	6	8		18	7.68
Maryland	12,228	17	24	15	18	74	6.05	12,228	35	23	71		129	10.55
Massachusetts	14,555	46	50	52	67	215	14.77	14,555	36	50	45		131	9.00
Michigan	16,867	44	38	43	29	154	9.13	16,867	20	18	37		75	4.45
Minnesota	9,354	18	15	13	12	58	6.20	9,354	16	43	31		90	9.62
Mississippi	6,789	3	3	4	3	13	1.91	6,789	1	1	6		8	1.18
Missouri	11,878	26	8	15	13	62	5.22	11,878	20	22	10		52	4.38
Montana	2,288	4	4	9	6	23	10.05	2,288	4	14	6		24	10.49
Nebraska	5,495	4	3	8	5	20	3.64	5,495	2	8	2		12	2.18
Nevada	7,721	6	8	11	2	27	3.50	7,721	2	12	4		18	2.33
New Hampshire	2,827	3	2	10	16	31	10.97	2,827	9	6	9		24	8.49
New Jersey	18,019	29	35	22	27	113	6.27	18,019	18	38	35		91	5.05
New Mexico	3,158	6	6	6	4	22	6.97	3,158	9	24	12		45	14.25
New York	29,564	33	65	65	76	239	8.08	29,564	68	130	178		376	12.72
North Carolina	17,617	52	26	33	30	141	8.00	17,617	42	54	79		175	9.93
North Dakota	2,431	4	0	2	3	9	3.70	2,431	1	48	12		61	25.09
Ohio	21,740	34	36	64	32	166	7.64	21,740	21	33	57		111	5.11
Oklahoma	8,150	7	18	22	16	63	7.73	8,150	19	48	50		117	14.36
Oregon	8,737	13	15	19	16	63	7.21	8,737	17	23	13		53	6.07
Pennsylvania	24,587	24	30	41	55	150	6.10	24,587	65	79	53		197	8.01
Puerto Rico	5,340					0	0.00	5,340					0	0.00
Rhode Island	2,185	1	4	4	9	18	8.24	2,185	3	5	9		17	7.78
South Carolina	9,217	6	5	5	9	25	2.71	9,217	6	8	21		35	3.80
South Dakota	2,124	4	6	1	4	15	7.06	2,124	6	18	7		31	14.60
Tennessee	12,556	17	26	34	13	90	7.17	12,556	22	19	19		60	4.78
Texas	36,154	54	91	85	70	300	8.30	36,154	72	101	210		383	10.59
Utah	4,257	1	2	1	2	6	1.41	4,257	2	8	5		15	3.52
Vermont	1,404	1	3	1	4	9	6.41	1,404	1	2	4		7	4.99
Virginia	16,079	26	29	19	21	95	5.91	16,079	28	37	35		100	6.22
Washington	11,001	28	20	27	28	103	9.36	11,001	29	39	28		96	8.73
West Virginia	5,760	5	10	9	3	27	4.69	5,760	4	10	8		22	3.82
Wisconsin	8,942	33	22	15	22	92	10.29	8,942	49	33	17		99	11.07
Wyoming	1,452	0	5	1	2	8	5.51	1,452	1	3	12		16	11.02



# 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)

2022		2023			
Full Year		Quarter 1		Quarter 2	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
Los Angeles-Long Beach-Anaheim, CA	234	Los Angeles-Long Beach-Anaheim, CA	180	New York-Newark-Jersey City, NY-NJ-PA	97
New York-Newark-Jersey City, NY-NJ-PA	224	Riverside-San Bernardino-Ontario, CA	54	Chicago-Naperville-Elgin, IL-IN-WI	55
Boston-Cambridge-Newton, MA-NH	177	New York-Newark-Jersey City, NY-NJ-PA	51	Boston-Cambridge-Newton, MA-NH	44
Chicago-Naperville-Elgin, IL-IN-WI	147	Phoenix-Mesa-Chandler, AZ	39	Tulsa, OK	41
Atlanta-Sandy Springs-Alpharetta, GA	121	Boston-Cambridge-Newton, MA-NH	32	Los Angeles-Long Beach-Anaheim, CA	40
Phoenix-Mesa-Chandler, AZ	105	Chicago-Naperville-Elgin, IL-IN-WI	29	Sacramento-Roseville-Folsom, CA	38
Detroit-Warren-Dearborn, MI	94	Atlanta-Sandy Springs-Alpharetta, GA	27	Houston-The Woodlands-Sugar Land, TX	37
Austin-Round Rock-Georgetown, TX	78	Dallas-Fort Worth-Arlington, TX	27	Syracuse, NY	31
Miami-Fort Lauderdale-Pompano Beach, FL	77	Baltimore-Columbia-Towson, MD	24	Charlotte-Concord-Gastonia, NC-SC	30
Dallas-Fort Worth-Arlington, TX	75	Washington-Arlington-Alexandria, DC-VA-MD-WV	23	Dallas-Fort Worth-Arlington, TX	30
San Francisco-Oakland-Berkeley, CA	70	Kansas City, MO-KS	22	Gainesville, FL	29
Sacramento-Roseville-Folsom, CA	63	Raleigh-Cary, NC	22	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	29
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	61	Miami-Fort Lauderdale-Pompano Beach, FL	21	Washington-Arlington-Alexandria, DC-VA-MD-WV	25
Portland-Vancouver-Hillsboro, OR-WA	57	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	20	San Francisco-Oakland-Berkeley, CA	24
Baltimore-Columbia-Towson, MD	53	Wisconsin Rapids-Marshfield, WI	19	Denver-Aurora-Lakewood, CO	23
Seattle-Tacoma-Bellevue, WA	52	Orlando-Kissimmee-Sanford, FL	18	Phoenix-Mesa-Chandler, AZ	22
Houston-The Woodlands-Sugar Land, TX	51	York-Hanover, PA	18	Pittsburgh, PA	22
Milwaukee-Waukesha, WI	50	New Orleans-Metairie, LA	17	Seattle-Tacoma-Bellevue, WA	22
New Orleans-Metairie, LA	47	Sacramento-Roseville-Folsom, CA	16	Indianapolis-Carmel-Anderson, IN	21
San Diego-Chula Vista-Carlsbad, CA	47	Seattle-Tacoma-Bellevue, WA	16	Crestview-Fort Walton Beach-Destin, FL	20
Albany-Schenectady-Troy, NY	45	Minneapolis-St. Paul-Bloomington, MN-WI	13	Milwaukee-Waukesha, WI	20
Pittsburgh, PA	45	Denver-Aurora-Lakewood, CO	12	Minneapolis-St. Paul-Bloomington, MN-WI	20
Washington-Arlington-Alexandria, DC-VA-MD-WV	44	Oxnard-Thousand Oaks-Ventura, CA	12	Riverside-San Bernardino-Ontario, CA	19
Charlotte-Concord-Gastonia, NC-SC	43	Portland-Vancouver-Hillsboro, OR-WA	11	Miami-Fort Lauderdale-Pompano Beach, FL	18
Cincinnati, OH-KY-IN	43	San Antonio-New Braunfels, TX	11	Portland-Vancouver-Hillsboro, OR-WA	16
		Quarter 3		Quarter 4	
		Metro Area	Job Postings	Metro Area	Job Postings
		San Antonio-New Braunfels, TX	82		
		New York-Newark-Jersey City, NY-NJ-PA	72		
		Baltimore-Columbia-Towson, MD	51		
		Houston-The Woodlands-Sugar Land, TX	51		
		New Orleans-Metairie, LA	42		
		Boston-Cambridge-Newton, MA-NH	41		
		Syracuse, NY	39		
		Fayetteville, NC	38		
		Chicago-Naperville-Elgin, IL-IN-WI	37		
		Tulsa, OK	37		
		Cincinnati, OH-KY-IN	34		
		Miami-Fort Lauderdale-Pompano Beach, FL	34		
		Washington-Arlington-Alexandria, DC-VA-MD-WV	32		
		Springfield, IL	30		
		Los Angeles-Long Beach-Anaheim, CA	27		
		Phoenix-Mesa-Chandler, AZ	27		
		Savannah, GA	27		
		Atlanta-Sandy Springs-Alpharetta, GA	23		
		Minneapolis-St. Paul-Bloomington, MN-WI	22		
		Natchitoches, LA	22		
		Detroit-Warren-Dearborn, MI	21		
		San Francisco-Oakland-Berkeley, CA	19		
		Buffalo-Cheektowaga, NY	18		
		Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	18		
		Albany-Schenectady-Troy, NY	17		

# Pharmacy Demand Report (PDR)

## Pharmacy Director

### Job Postings Per State

State/Territory	2022							2023						
	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2022	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2023
Alabama	9,606	12	8	12	12	44	4.58	9,606	9	7	13		29	3.02
Alaska	1,002	0	11	3	4	18	17.96	1,002	1	3	3		7	6.99
Arizona	12,051	38	72	32	75	217	18.01	12,051	36	35	19		90	7.47
Arkansas	6,948	12	5	14	16	47	6.76	6,948	16	18	7		41	5.90
California	48,915	165	133	99	97	494	10.10	48,915	136	111	99		346	7.07
Colorado	8,874	35	20	20	3	78	8.79	8,874	6	17	16		39	4.39
Connecticut	5,545	17	23	11	14	65	11.72	5,545	11	6	3		20	3.61
Delaware	2,415	4	2	2	5	13	5.38	2,415	2	3	1		6	2.48
District of Columbia	2,036	8	3	9	9	29	14.24	2,036	6	9	8		23	11.30
Florida	35,824	67	67	49	43	226	6.31	35,824	71	36	56		163	4.55
Georgia	15,216	29	18	8	19	74	4.86	15,216	10	23	19		52	3.42
Hawaii	2,451	0	0	3	4	7	2.86	2,451	3	3	0		6	2.45
Idaho	3,911	7	1	7	18	33	8.44	3,911	19	9	13		41	10.48
Illinois	21,122	44	53	29	37	163	7.72	21,122	25	30	31		86	4.07
Indiana	11,497	25	35	11	33	104	9.05	11,497	43	26	37		106	9.22
Iowa	6,522	16	13	8	13	50	7.67	6,522	7	10	5		22	3.37
Kansas	8,065	10	14	23	12	59	7.32	8,065	10	22	11		43	5.33
Kentucky	10,939	12	25	6	20	63	5.76	10,939	20	17	22		59	5.39
Louisiana	9,572	11	25	17	18	71	7.42	9,572	36	21	12		69	7.21
Maine	2,343	8	7	6	8	29	12.38	2,343	4	5	3		12	5.12
Maryland	12,228	10	16	16	15	57	4.66	12,228	15	20	10		45	3.68
Massachusetts	14,555	28	34	28	22	112	7.69	14,555	31	32	18		81	5.57
Michigan	16,867	13	12	16	28	69	4.09	16,867	18	14	39		71	4.21
Minnesota	9,354	20	25	6	20	71	7.59	9,354	14	14	10		38	4.06
Mississippi	6,789	10	15	9	19	53	7.81	6,789	6	5	10		21	3.09
Missouri	11,878	25	41	17	22	105	8.84	11,878	20	18	18		56	4.71
Montana	2,288	8	4	8	5	25	10.93	2,288	2	13	36		51	22.29
Nebraska	5,495	1	4	5	8	18	3.28	5,495	3	6	7		16	2.91
Nevada	7,721	14	17	9	9	49	6.35	7,721	21	10	13		44	5.70
New Hampshire	2,827	4	20	3	4	31	10.97	2,827	8	4	18		30	10.61
New Jersey	18,019	33	22	23	15	93	5.16	18,019	17	24	8		49	2.72
New Mexico	3,158	22	17	17	19	75	23.75	3,158	21	18	15		54	17.10
New York	29,564	44	57	50	32	183	6.19	29,564	25	32	35		92	3.11
North Carolina	17,617	29	33	13	20	95	5.39	17,617	18	14	21		53	3.01
North Dakota	2,431	1	1	2	12	16	6.58	2,431	10	5	6		21	8.64
Ohio	21,740	35	50	48	39	172	7.91	21,740	31	32	26		89	4.09
Oklahoma	8,150	16	18	17	12	63	7.73	8,150	17	18	33		68	8.34
Oregon	8,737	24	25	39	26	114	13.05	8,737	20	12	18		50	5.72
Pennsylvania	24,587	27	30	22	18	97	3.95	24,587	28	32	25		85	3.46
Puerto Rico	5,340					0	0.00	5,340					0	0.00
Rhode Island	2,185	2	8	7	5	22	10.07	2,185	3	8	3		14	6.41
South Carolina	9,217	15	10	9	9	43	4.67	9,217	14	30	23		67	7.27
South Dakota	2,124	9	3	2	5	19	8.95	2,124	12	7	3		22	10.36
Tennessee	12,556	33	29	23	32	117	9.32	12,556	27	44	24		95	7.57
Texas	36,154	123	150	123	93	489	13.53	36,154	103	97	122		322	8.91
Utah	4,257	4	3	3	17	27	6.34	4,257	10	6	5		21	4.93
Vermont	1,404	12	5	8	8	33	23.50	1,404	7	6	3		16	11.40
Virginia	16,079	36	31	13	21	101	6.28	16,079	17	23	23		63	3.92
Washington	11,001	25	31	24	29	109	9.91	11,001	15	10	8		33	3.00
West Virginia	5,760	6	8	5	10	29	5.03	5,760	9	12	11		32	5.56
Wisconsin	8,942	18	28	27	18	91	10.18	8,942	44	16	20		80	8.95
Wyoming	1,452	5	7	6	2	20	13.77	1,452	3	2	0		5	3.44

# Pharmacy Demand Report (PDR)

## Pharmacy Director

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

2022		2023			
Full Year		Quarter 1		Quarter 2	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	200	Los Angeles-Long Beach-Anaheim, CA	57	New York-Newark-Jersey City, NY-NJ-PA	38
Los Angeles-Long Beach-Anaheim, CA	182	New York-Newark-Jersey City, NY-NJ-PA	36	Los Angeles-Long Beach-Anaheim, CA	37
Phoenix-Mesa-Chandler, AZ	143	Houston-The Woodlands-Sugar Land, TX	33	Dallas-Fort Worth-Arlington, TX	30
Chicago-Naperville-Elgin, IL-IN-WI	128	Milwaukee-Waukesha, WI	33	Boston-Cambridge-Newton, MA-NH	28
Dallas-Fort Worth-Arlington, TX	128	Indianapolis-Carmel-Anderson, IN	28	Phoenix-Mesa-Chandler, AZ	26
Boston-Cambridge-Newton, MA-NH	100	Boston-Cambridge-Newton, MA-NH	26	Chicago-Naperville-Elgin, IL-IN-WI	24
Houston-The Woodlands-Sugar Land, TX	88	Dallas-Fort Worth-Arlington, TX	23	Washington-Arlington-Alexandria, DC-VA-MD-WV	23
Miami-Fort Lauderdale-Pompano Beach, FL	76	Washington-Arlington-Alexandria, DC-VA-MD-WV	22	Houston-The Woodlands-Sugar Land, TX	21
Washington-Arlington-Alexandria, DC-VA-MD-WV	75	Miami-Fort Lauderdale-Pompano Beach, FL	20	San Antonio-New Braunfels, TX	18
San Francisco-Oakland-Berkeley, CA	67	Phoenix-Mesa-Chandler, AZ	20	San Francisco-Oakland-Berkeley, CA	16
San Antonio-New Braunfels, TX	65	Orlando-Kissimmee-Sanford, FL	19	Atlanta-Sandy Springs-Alpharetta, GA	14
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	63	Chicago-Naperville-Elgin, IL-IN-WI	18	Charleston-North Charleston, SC	14
Minneapolis-St. Paul-Bloomington, MN-WI	57	San Francisco-Oakland-Berkeley, CA	17	Memphis, TN-MS-AR	14
Austin-Round Rock-Georgetown, TX	54	Nashville-Davidson--Murfreesboro--Franklin, TN	15	Kansas City, MO-KS	13
Portland-Vancouver-Hillsboro, OR-WA	54	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	15	St. Louis, MO-IL	13
Indianapolis-Carmel-Anderson, IN	50	Tucson, AZ	14	Sacramento-Roseville-Folsom, CA	12
St. Louis, MO-IL	50	San Diego-Chula Vista-Carlsbad, CA	13	Detroit-Warren-Dearborn, MI	11
Seattle-Tacoma-Bellevue, WA	50	Cincinnati, OH-KY-IN	11	Louisville/Jefferson County, KY-IN	11
Kansas City, MO-KS	48	Pittsburgh, PA	11	Minneapolis-St. Paul-Bloomington, MN-WI	11
San Diego-Chula Vista-Carlsbad, CA	48	Las Vegas-Henderson-Paradise, NV	10	Nashville-Davidson--Murfreesboro--Franklin, TN	11
Cincinnati, OH-KY-IN	44	Louisville/Jefferson County, KY-IN	10	Cincinnati, OH-KY-IN	10
Columbus, OH	44	Riverside-San Bernardino-Ontario, CA	10	Oklahoma City, OK	10
Virginia Beach-Norfolk-Newport News, VA-NC	44	Boise City, ID	9	Riverside-San Bernardino-Ontario, CA	10
Tampa-St. Petersburg-Clearwater, FL	43	St. Louis, MO-IL	9	Tulahoma-Manchester, TN	10
Atlanta-Sandy Springs-Alpharetta, GA	42	San Antonio-New Braunfels, TX	9	Baltimore-Columbia-Towson, MD	9
		Quarter 3		Quarter 4	
		Metro Area	Job Postings	Metro Area	Job Postings
		Houston-The Woodlands-Sugar Land, TX	43		
		Louisville/Jefferson County, KY-IN	39		
		Billings, MT	31		
		New York-Newark-Jersey City, NY-NJ-PA	29		
		Los Angeles-Long Beach-Anaheim, CA	25		
		Dallas-Fort Worth-Arlington, TX	24		
		Chicago-Naperville-Elgin, IL-IN-WI	21		
		San Antonio-New Braunfels, TX	20		
		Boston-Cambridge-Newton, MA-NH	18		
		Oklahoma City, OK	18		
		Miami-Fort Lauderdale-Pompano Beach, FL	17		
		Sacramento-Roseville-Folsom, CA	15		
		Virginia Beach-Norfolk-Newport News, VA-NC	15		
		Charleston-North Charleston, SC	14		
		Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	14		
		Phoenix-Mesa-Chandler, AZ	13		
		Portland-Vancouver-Hillsboro, OR-WA	13		
		St. Louis, MO-IL	13		
		Berlin, NH	11		
		Detroit-Warren-Dearborn, MI	11		
		Riverside-San Bernardino-Ontario, CA	11		
		Washington-Arlington-Alexandria, DC-VA-MD-WV	11		
		Kansas City, MO-KS	10		
		Las Vegas-Henderson-Paradise, NV	10		
		Atlanta-Sandy Springs-Alpharetta, GA	9		

# Pharmacy Demand Report (PDR)

## Retail Pharmacist

### Job Postings Per State

State/Territory	2022							2023						
	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2022	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2023
Alabama	9,606	198	139	209	182	728	75.79	9,606	152	152	198		502	52.26
Alaska	1,002	29	23	15	18	85	84.83	1,002	18	32	41		91	90.82
Arizona	12,051	200	181	243	200	824	68.38	12,051	276	217	227		720	59.75
Arkansas	6,948	110	89	84	88	371	53.40	6,948	90	80	107		277	39.87
California	48,915	884	905	1,194	1,218	4,201	85.88	48,915	1,329	969	1,226		3,524	72.04
Colorado	8,874	146	128	167	171	612	68.97	8,874	172	289	271		732	82.49
Connecticut	5,545	167	216	276	175	834	150.41	5,545	161	236	226		623	112.35
Delaware	2,415	45	56	50	42	193	79.92	2,415	46	65	65		176	72.88
District of Columbia	2,036	24	13	32	26	95	46.66	2,036	12	17	44		73	35.85
Florida	35,824	533	459	550	456	1,998	55.77	35,824	475	521	544		1,540	42.99
Georgia	15,216	349	244	480	275	1,348	88.59	15,216	277	235	309		821	53.96
Hawaii	2,451	54	23	29	37	143	58.34	2,451	19	25	34		78	31.82
Idaho	3,911	70	48	52	106	276	70.57	3,911	72	62	65		199	50.88
Illinois	21,122	293	244	408	308	1,253	59.32	21,122	338	370	418		1,126	53.31
Indiana	11,497	386	327	261	250	1,224	106.46	11,497	290	232	278		800	69.58
Iowa	6,522	98	60	74	83	315	48.30	6,522	80	129	92		301	46.15
Kansas	8,065	81	86	78	95	340	42.16	8,065	82	88	132		302	37.45
Kentucky	10,939	210	165	129	146	650	59.42	10,939	176	194	226		596	54.48
Louisiana	9,572	181	149	159	171	660	68.95	9,572	159	233	256		648	67.70
Maine	2,343	60	45	69	50	224	95.60	2,343	95	62	105		262	111.82
Maryland	12,228	162	173	239	181	755	61.74	12,228	199	216	265		680	55.61
Massachusetts	14,555	262	331	472	424	1,489	102.30	14,555	309	395	367		1,071	73.58
Michigan	16,867	289	203	227	223	942	55.85	16,867	188	153	223		564	33.44
Minnesota	9,354	169	101	185	163	618	66.07	9,354	174	178	255		607	64.89
Mississippi	6,789	93	76	64	67	300	44.19	6,789	53	88	122		263	38.74
Missouri	11,878	168	161	218	182	729	61.37	11,878	183	213	215		611	51.44
Montana	2,288	27	52	38	34	151	66.00	2,288	38	55	65		158	69.06
Nebraska	5,495	58	50	58	59	225	40.95	5,495	57	81	88		226	41.13
Nevada	7,721	61	49	67	35	212	27.46	7,721	41	66	66		173	22.41
New Hampshire	2,827	52	67	99	128	346	122.39	2,827	119	80	126		325	114.96
New Jersey	18,019	270	313	513	319	1,415	78.53	18,019	322	299	523		1,144	63.49
New Mexico	3,158	44	45	56	66	211	66.81	3,158	53	85	139		277	87.71
New York	29,564	422	351	686	393	1,852	62.64	29,564	428	426	588		1,442	48.78
North Carolina	17,617	175	219	356	346	1,096	62.21	17,617	308	354	441		1,103	62.61
North Dakota	2,431	14	24	28	36	102	41.96	2,431	25	40	29		94	38.67
Ohio	21,740	242	300	501	333	1,376	63.29	21,740	308	359	405		1,072	49.31
Oklahoma	8,150	121	126	167	144	558	68.47	8,150	141	217	221		579	71.04
Oregon	8,737	140	111	267	201	719	82.29	8,737	240	177	163		580	66.38
Pennsylvania	24,587	365	391	495	361	1,612	65.56	24,587	309	406	513		1,228	49.95
Puerto Rico	5,340					0	0.00	5,340					0	0.00
Rhode Island	2,185	46	36	59	58	199	91.08	2,185	42	30	60		132	60.41
South Carolina	9,217	116	145	146	155	562	60.97	9,217	180	133	194		507	55.01
South Dakota	2,124	42	23	19	13	97	45.67	2,124	12	5	14		31	14.60
Tennessee	12,556	236	192	190	158	776	61.80	12,556	156	152	176		484	38.55
Texas	36,154	447	476	693	584	2,200	60.85	36,154	480	525	745		1,750	48.40
Utah	4,257	39	22	46	28	135	31.71	4,257	45	31	58		134	31.48
Vermont	1,404	35	55	74	40	204	145.30	1,404	43	55	50		148	105.41
Virginia	16,079	232	227	401	285	1,145	71.21	16,079	361	444	382		1,187	73.82
Washington	11,001	354	333	404	344	1,435	130.44	11,001	273	242	235		750	68.18
West Virginia	5,760	111	63	115	96	385	66.84	5,760	84	109	114		307	53.30
Wisconsin	8,942	177	124	271	210	782	87.45	8,942	174	221	355		750	83.87
Wyoming	1,452	28	15	10	28	81	55.79	1,452	37	38	27		102	70.25

# Pharmacy Demand Report (PDR)

## Retail Pharmacist

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

2022		2023			
Full Year		Quarter 1		Quarter 2	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	1,817	New York-Newark-Jersey City, NY-NJ-PA	373	New York-Newark-Jersey City, NY-NJ-PA	369
Boston-Cambridge-Newton, MA-NH	1,018	Los Angeles-Long Beach-Anaheim, CA	237	Chicago-Naperville-Elgin, IL-IN-WI	244
Los Angeles-Long Beach-Anaheim, CA	953	Boston-Cambridge-Newton, MA-NH	221	Boston-Cambridge-Newton, MA-NH	240
Chicago-Naperville-Elgin, IL-IN-WI	767	Chicago-Naperville-Elgin, IL-IN-WI	202	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	213
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	735	San Francisco-Oakland-Berkeley, CA	191	Los Angeles-Long Beach-Anaheim, CA	181
Seattle-Tacoma-Bellevue, WA	716	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	163	Washington-Arlington-Alexandria, DC-VA-MD-WV	180
Atlanta-Sandy Springs-Alpharetta, GA	592	Phoenix-Mesa-Chandler, AZ	162	San Francisco-Oakland-Berkeley, CA	153
Washington-Arlington-Alexandria, DC-VA-MD-WV	588	Seattle-Tacoma-Bellevue, WA	151	San Jose-Sunnyvale-Santa Clara, CA	143
Dallas-Fort Worth-Arlington, TX	566	Washington-Arlington-Alexandria, DC-VA-MD-WV	144	Dallas-Fort Worth-Arlington, TX	126
San Francisco-Oakland-Berkeley, CA	509	Atlanta-Sandy Springs-Alpharetta, GA	142	Phoenix-Mesa-Chandler, AZ	120
Phoenix-Mesa-Chandler, AZ	478	Riverside-San Bernardino-Ontario, CA	135	Miami-Fort Lauderdale-Pompano Beach, FL	119
Indianapolis-Carmel-Anderson, IN	383	Virginia Beach-Norfolk-Newport News, VA-NC	105	Virginia Beach-Norfolk-Newport News, VA-NC	118
Miami-Fort Lauderdale-Pompano Beach, FL	382	Sacramento-Roseville-Folsom, CA	104	Baltimore-Columbia-Towson, MD	109
Riverside-San Bernardino-Ontario, CA	369	San Jose-Sunnyvale-Santa Clara, CA	104	Denver-Aurora-Lakewood, CO	108
Houston-The Woodlands-Sugar Land, TX	367	Baltimore-Columbia-Towson, MD	93	Seattle-Tacoma-Bellevue, WA	105
Minneapolis-St. Paul-Bloomington, MN-WI	347	Dallas-Fort Worth-Arlington, TX	92	Minneapolis-St. Paul-Bloomington, MN-WI	104
Baltimore-Columbia-Towson, MD	340	Houston-The Woodlands-Sugar Land, TX	90	Atlanta-Sandy Springs-Alpharetta, GA	103
Kansas City, MO-KS	328	Minneapolis-St. Paul-Bloomington, MN-WI	90	Houston-The Woodlands-Sugar Land, TX	103
Providence-Warwick, RI-MA	323	Miami-Fort Lauderdale-Pompano Beach, FL	86	Cincinnati, OH-KY-IN	101
Pittsburgh, PA	300	St. Louis, MO-IL	84	Richmond, VA	99
Orlando-Kissimmee-Sanford, FL	290	Orlando-Kissimmee-Sanford, FL	82	Portland-Vancouver-Hillsboro, OR-WA	92
Hartford-East Hartford-Middletown, CT	287	Indianapolis-Carmel-Anderson, IN	79	St. Louis, MO-IL	92
St. Louis, MO-IL	280	San Diego-Chula Vista-Carlsbad, CA	78	New Haven-Milford, CT	89
Denver-Aurora-Lakewood, CO	277	Denver-Aurora-Lakewood, CO	73	Riverside-San Bernardino-Ontario, CA	89
Detroit-Warren-Dearborn, MI	269	Pittsburgh, PA	72	Oklahoma City, OK	85
		Quarter 3		Quarter 4	
		Metro Area	Job Postings	Metro Area	Job Postings
		New York-Newark-Jersey City, NY-NJ-PA	661		
		Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	313		
		Washington-Arlington-Alexandria, DC-VA-MD-WV	271		
		Los Angeles-Long Beach-Anaheim, CA	258		
		Boston-Cambridge-Newton, MA-NH	255		
		Chicago-Naperville-Elgin, IL-IN-WI	247		
		San Francisco-Oakland-Berkeley, CA	179		
		Atlanta-Sandy Springs-Alpharetta, GA	150		
		Minneapolis-St. Paul-Bloomington, MN-WI	142		
		Dallas-Fort Worth-Arlington, TX	141		
		Houston-The Woodlands-Sugar Land, TX	135		
		Phoenix-Mesa-Chandler, AZ	129		
		San Jose-Sunnyvale-Santa Clara, CA	127		
		Riverside-San Bernardino-Ontario, CA	124		
		Cincinnati, OH-KY-IN	122		
		Providence-Warwick, RI-MA	114		
		Seattle-Tacoma-Bellevue, WA	114		
		Louisville/Jefferson County, KY-IN	113		
		Baltimore-Columbia-Towson, MD	111		
		Denver-Aurora-Lakewood, CO	111		
		Milwaukee-Waukesha, WI	107		
		Virginia Beach-Norfolk-Newport News, VA-NC	100		
		Raleigh-Cary, NC	88		
		Oklahoma City, OK	85		
		Miami-Fort Lauderdale-Pompano Beach, FL	83		

# Pharmacy Demand Report (PDR)

## All Pharmacist Positions

(Excluding Pharmacy Technician)

### Job Postings Per State

State/Territory	2022							2023						
	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2022	Number of Pharmacists Licensed (as of Oct. 2022)	Q1	Q2	Q3	Q4	Total	Postings Quotient for 2023
Alabama	9,606	302	233	329	283	1,147	119.40	9,606	249	273	316	0	838	87.24
Alaska	1,002	56	61	56	49	222	221.56	1,002	39	61	93	0	193	192.61
Arizona	12,051	549	484	588	532	2,153	178.66	12,051	569	513	450	0	1,532	127.13
Arkansas	6,948	160	143	153	158	614	88.37	6,948	180	194	189	0	563	81.03
California	48,915	1,834	1,985	2,254	2,316	8,389	171.50	48,915	2,795	2,213	2,074	0	7,082	144.78
Colorado	8,874	374	389	361	332	1,456	164.07	8,874	332	495	391	0	1,218	137.25
Connecticut	5,545	292	324	379	280	1,275	229.94	5,545	271	420	376	0	1,067	192.43
Delaware	2,415	100	81	82	62	325	134.58	2,415	98	111	85	0	294	121.74
District of Columbia	2,036	53	34	65	69	221	108.55	2,036	73	87	104	0	264	129.67
Florida	35,824	1,240	1,078	1,016	982	4,316	120.48	35,824	1,038	1,063	1,050	0	3,151	87.96
Georgia	15,216	496	424	654	446	2,020	132.75	15,216	463	435	525	0	1,423	93.52
Hawaii	2,451	63	39	65	78	245	99.96	2,451	44	70	71	0	185	75.48
Idaho	3,911	157	138	135	206	636	162.62	3,911	171	168	185	0	524	133.98
Illinois	21,122	689	622	754	680	2,745	129.96	21,122	639	771	812	0	2,222	105.20
Indiana	11,497	539	485	451	438	1,913	166.39	11,497	490	444	498	0	1,432	124.55
Iowa	6,522	198	138	144	184	664	101.81	6,522	167	256	155	0	578	88.62
Kansas	8,065	174	175	173	186	708	87.79	8,065	218	225	245	0	688	85.31
Kentucky	10,939	317	272	214	272	1,075	98.27	10,939	311	335	365	0	1,011	92.42
Louisiana	9,572	268	277	419	316	1,280	133.72	9,572	350	506	436	0	1,292	134.98
Maine	2,343	91	80	108	104	383	163.47	2,343	203	116	172	0	491	209.56
Maryland	12,228	264	323	368	369	1,324	108.28	12,228	416	435	467	0	1,318	107.79
Massachusetts	14,555	491	588	751	696	2,526	173.55	14,555	590	745	645	0	1,980	136.04
Michigan	16,867	569	439	549	488	2,045	121.24	16,867	454	364	458	0	1,276	75.65
Minnesota	9,354	286	216	293	355	1,150	122.94	9,354	294	335	383	0	1,012	108.19
Mississippi	6,789	136	115	111	124	486	71.59	6,789	88	141	176	0	405	59.66
Missouri	11,878	339	310	379	348	1,376	115.84	11,878	397	420	464	0	1,281	107.85
Montana	2,288	93	107	91	101	392	171.33	2,288	75	124	152	0	351	153.41
Nebraska	5,495	99	93	138	144	474	86.26	5,495	113	174	144	0	431	78.43
Nevada	7,721	195	167	132	123	617	79.91	7,721	112	187	159	0	458	59.32
New Hampshire	2,827	89	145	140	188	562	198.80	2,827	177	142	190	0	509	180.05
New Jersey	18,019	471	532	733	512	2,248	124.76	18,019	550	550	748	0	1,848	102.56
New Mexico	3,158	109	127	139	149	524	165.93	3,158	176	214	251	0	641	202.98
New York	29,564	688	637	1,074	731	3,130	105.87	29,564	861	847	1,047	0	2,755	93.19
North Carolina	17,617	411	414	579	573	1,977	112.22	17,617	549	646	742	0	1,937	109.95
North Dakota	2,431	36	51	67	117	271	111.48	2,431	61	132	76	0	269	110.65
Ohio	21,740	522	657	842	694	2,715	124.89	21,740	620	743	720	0	2,083	95.81
Oklahoma	8,150	202	229	268	237	936	114.85	8,150	242	403	456	0	1,101	135.09
Oregon	8,737	283	281	518	341	1,423	162.87	8,737	443	377	294	0	1,114	127.50
Pennsylvania	24,587	623	653	804	638	2,718	110.55	24,587	622	794	778	0	2,194	89.23
Puerto Rico	5,340	0	0	0	0	0	0.00	5,340	0	0	0	0	0	0.00
Rhode Island	2,185	65	64	88	105	322	147.37	2,185	67	107	110	0	284	129.98
South Carolina	9,217	192	225	222	240	879	95.37	9,217	272	262	302	0	836	90.70
South Dakota	2,124	85	61	44	44	234	110.17	2,124	46	46	43	0	135	63.56
Tennessee	12,556	388	354	369	314	1,425	113.49	12,556	295	332	324	0	951	75.74
Texas	36,154	1,061	1,210	1,273	1,165	4,709	130.25	36,154	1,050	1,208	1,647	0	3,905	108.01
Utah	4,257	72	85	80	82	319	74.94	4,257	94	97	127	0	318	74.70
Vermont	1,404	57	84	101	72	314	223.65	1,404	64	89	73	0	226	160.97
Virginia	16,079	388	400	552	459	1,799	111.89	16,079	542	661	580	0	1,783	110.89
Washington	11,001	571	521	620	599	2,311	210.07	11,001	495	491	382	0	1,368	124.35
West Virginia	5,760	146	131	159	129	565	98.09	5,760	153	174	168	0	495	85.94
Wisconsin	8,942	309	243	413	482	1,447	161.82	8,942	408	408	548	0	1,364	152.54
Wyoming	1,452	51	44	25	54	174	119.83	1,452	69	72	90	0	231	159.09

## Pharmacy Demand Report (PDR)

### All Pharmacist Positions

(Excluding Pharmacy Technician)

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

2022		2023			
Full Year		Quarter 1		Quarter 2	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	3,237	New York-Newark-Jersey City, NY-NJ-PA	740	New York-Newark-Jersey City, NY-NJ-PA	803
Los Angeles-Long Beach-Anaheim, CA	2,195	Los Angeles-Long Beach-Anaheim, CA	650	Chicago-Naperville-Elgin, IL-IN-WI	551
Chicago-Naperville-Elgin, IL-IN-WI	1,957	Boston-Cambridge-Newton, MA-NH	448	Boston-Cambridge-Newton, MA-NH	483
Boston-Cambridge-Newton, MA-NH	1,828	Chicago-Naperville-Elgin, IL-IN-WI	446	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	438
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	1,364	San Francisco-Oakland-Berkeley, CA	399	Los Angeles-Long Beach-Anaheim, CA	424
Phoenix-Mesa-Chandler, AZ	1,245	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	362	San Francisco-Oakland-Berkeley, CA	397
Dallas-Fort Worth-Arlington, TX	1,232	Phoenix-Mesa-Chandler, AZ	340	Washington-Arlington-Alexandria, DC-VA-MD-WV	342
Miami-Fort Lauderdale-Pompano Beach, FL	1,183	Washington-Arlington-Alexandria, DC-VA-MD-WV	281	Houston-The Woodlands-Sugar Land, TX	302
Seattle-Tacoma-Bellevue, WA	1,161	Sacramento-Roseville-Folsom, CA	268	Dallas-Fort Worth-Arlington, TX	299
San Francisco-Oakland-Berkeley, CA	1,118	Miami-Fort Lauderdale-Pompano Beach, FL	262	Phoenix-Mesa-Chandler, AZ	278
Houston-The Woodlands-Sugar Land, TX	968	Seattle-Tacoma-Bellevue, WA	258	Sacramento-Roseville-Folsom, CA	247
Washington-Arlington-Alexandria, DC-VA-MD-WV	936	Atlanta-Sandy Springs-Alpharetta, GA	257	Miami-Fort Lauderdale-Pompano Beach, FL	246
Atlanta-Sandy Springs-Alpharetta, GA	930	Baltimore-Columbia-Towson, MD	249	Baltimore-Columbia-Towson, MD	243
Detroit-Warren-Dearborn, MI	744	Riverside-San Bernardino-Ontario, CA	245	Denver-Aurora-Lakewood, CO	234
Baltimore-Columbia-Towson, MD	740	Dallas-Fort Worth-Arlington, TX	227	Cleveland-Elyria, OH	227
Denver-Aurora-Lakewood, CO	717	Houston-The Woodlands-Sugar Land, TX	226	Seattle-Tacoma-Bellevue, WA	225
Kansas City, MO-KS	707	Orlando-Kissimmee-Sanford, FL	208	San Jose-Sunnyvale-Santa Clara, CA	213
Indianapolis-Carmel-Anderson, IN	671	Kansas City, MO-KS	190	Atlanta-Sandy Springs-Alpharetta, GA	208
Riverside-San Bernardino-Ontario, CA	667	San Jose-Sunnyvale-Santa Clara, CA	178	Minneapolis-St. Paul-Bloomington, MN-WI	204
Portland-Vancouver-Hillsboro, OR-WA	665	Denver-Aurora-Lakewood, CO	175	Cincinnati, OH-KY-IN	195
Minneapolis-St. Paul-Bloomington, MN-WI	663	Virginia Beach-Norfolk-Newport News, VA-NC	175	Portland-Vancouver-Hillsboro, OR-WA	189
San Diego-Chula Vista-Carlsbad, CA	625	Minneapolis-St. Paul-Bloomington, MN-WI	174	Virginia Beach-Norfolk-Newport News, VA-NC	183
Tampa-St. Petersburg-Clearwater, FL	623	St. Louis, MO-IL	167	St. Louis, MO-IL	176
Orlando-Kissimmee-Sanford, FL	615	Portland-Vancouver-Hillsboro, OR-WA	164	Kansas City, MO-KS	174
Sacramento-Roseville-Folsom, CA	611	San Diego-Chula Vista-Carlsbad, CA	158	Oklahoma City, OK	161
Cincinnati, OH-KY-IN	573	Indianapolis-Carmel-Anderson, IN	151	Orlando-Kissimmee-Sanford, FL	155
St. Louis, MO-IL	567	Milwaukee-Waukesha, WI	143	New Haven-Milford, CT	154
Pittsburgh, PA	552	Cleveland-Elyria, OH	137	Riverside-San Bernardino-Ontario, CA	152
Cleveland-Elyria, OH	551	Detroit-Warren-Dearborn, MI	131	Providence-Warwick, RI-MA	151
New Orleans-Metairie, LA	504	Pittsburgh, PA	129	Charlotte-Concord-Gastonia, NC-SC	148
San Jose-Sunnyvale-Santa Clara, CA	493	New Orleans-Metairie, LA	127	Richmond, VA	141
Charlotte-Concord-Gastonia, NC-SC	484	San Antonio-New Braunfels, TX	125	New Orleans-Metairie, LA	136
Milwaukee-Waukesha, WI	482	Tampa-St. Petersburg-Clearwater, FL	122	Hartford-East Hartford-Middletown, CT	129
Virginia Beach-Norfolk-Newport News, VA-NC	478	Charlotte-Concord-Gastonia, NC-SC	112	Pittsburgh, PA	127
Austin-Round Rock-Georgetown, TX	466	Cincinnati, OH-KY-IN	109	Columbus, OH	119
Nashville-Davidson--Murfreesboro--Franklin, TN	441	Bakersfield, CA	106	Las Vegas-Henderson-Paradise, NV	118
Hartford-East Hartford-Middletown, CT	439	Louisville/Jefferson County, KY-IN	106	Indianapolis-Carmel-Anderson, IN	116
Providence-Warwick, RI-MA	438	Columbus, OH	101	Louisville/Jefferson County, KY-IN	115
New Haven-Milford, CT	408	Hartford-East Hartford-Middletown, CT	99	San Diego-Chula Vista-Carlsbad, CA	114
Boise City, ID	404	Oklahoma City, OK	99	Tampa-St. Petersburg-Clearwater, FL	112
Columbus, OH	386	Syracuse, NY	99	Tulsa, OK	110
San Antonio-New Braunfels, TX	382	Tucson, AZ	96	Milwaukee-Waukesha, WI	108
Tucson, AZ	359	Boise City, ID	94	Detroit-Warren-Dearborn, MI	104
Louisville/Jefferson County, KY-IN	354	Modesto, CA	94	Nashville-Davidson--Murfreesboro--Franklin, TN	100
Las Vegas-Henderson-Paradise, NV	345	Providence-Warwick, RI-MA	93	Boise City, ID	93
Worcester, MA-CT	338	Nashville-Davidson--Murfreesboro--Franklin, TN	88	Bridgeport-Stamford-Norwalk, CT	87
Oklahoma City, OK	332	Richmond, VA	88	San Antonio-New Braunfels, TX	86
Memphis, TN-MS-AR	324	Raleigh-Cary, NC	83	Albuquerque, NM	83
Birmingham-Hoover, AL	317	Lebanon, NH-VT	81	Little Rock-North Little Rock-Conway, AR	77
Richmond, VA	302	Albuquerque, NM	78	Worcester, MA-CT	77
		Quarter 3		Quarter 4	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	1,056				
Chicago-Naperville-Elgin, IL-IN-WI	508				
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	475				
Los Angeles-Long Beach-Anaheim, CA	452				
Boston-Cambridge-Newton, MA-NH	446				
Washington-Arlington-Alexandria, DC-VA-MD-WV	402				
Houston-The Woodlands-Sugar Land, TX	388				
San Francisco-Oakland-Berkeley, CA	331				
Dallas-Fort Worth-Arlington, TX	296				
Phoenix-Mesa-Chandler, AZ	269				
Atlanta-Sandy Springs-Alpharetta, GA	266				
Baltimore-Columbia-Towson, MD	258				
Miami-Fort Lauderdale-Pompano Beach, FL	246				
Cincinnati, OH-KY-IN	228				
Minneapolis-St. Paul-Bloomington, MN-WI	226				
San Antonio-New Braunfels, TX	226				
Louisville/Jefferson County, KY-IN	217				
Oklahoma City, OK	198				
St. Louis, MO-IL	189				
San Jose-Sunnyvale-Santa Clara, CA	186				
Riverside-San Bernardino-Ontario, CA	185				
Kansas City, MO-KS	184				
Seattle-Tacoma-Bellevue, WA	179				
Denver-Aurora-Lakewood, CO	178				
Virginia Beach-Norfolk-Newport News, VA-NC	176				
Providence-Warwick, RI-MA	166				
Sacramento-Roseville-Folsom, CA	164				
Indianapolis-Carmel-Anderson, IN	161				
Milwaukee-Waukesha, WI	151				
San Diego-Chula Vista-Carlsbad, CA	150				
New Orleans-Metairie, LA	146				
Detroit-Warren-Dearborn, MI	140				
Portland-Vancouver-Hillsboro, OR-WA	136				
Tulsa, OK	134				
Tampa-St. Petersburg-Clearwater, FL	133				
Raleigh-Cary, NC	132				
Charlotte-Concord-Gastonia, NC-SC	128				
New Haven-Milford, CT	125				
Orlando-Kissimmee-Sanford, FL	122				
Cleveland-Elyria, OH	119				
Pittsburgh, PA	115				
Hartford-East Hartford-Middletown, CT	105				
Las Vegas-Henderson-Paradise, NV	101				
Austin-Round Rock-Georgetown, TX	94				
Albany-Schenectady-Troy, NY	93				
Buffalo-Cheektowaga, NY	92				
Syracuse, NY	89				
Boise City, ID	88				
Jacksonville, FL	88				
Bridgeport-Stamford-Norwalk, CT	87				

# Pharmacy Demand Report (PDR)

## Pharmacy Technician

### Job Postings Per State

State/Territory	2022							2023						
	Number of Employed Pharmacy Technicians According to BLS (as of May 2019)						Postings Quotient for 2022	Number of Employed Pharmacy Technicians According to BLS (as of May 2019)						Postings Quotient for 2023
	Q1	Q2	Q3	Q4	Total	Q1		Q2	Q3	Q4	Total			
Alabama	6,790	488	506	685	491	2,170	319.59	6,790	500	550	555		1,605	236.38
Alaska	610	77	83	67	93	320	524.59	610	74	106	108		288	472.13
Arizona	9,250	1,318	1,267	1,220	1,135	4,940	534.05	9,250	855	923	950		2,728	294.92
Arkansas	4,570	307	310	344	281	1,242	271.77	4,570	207	342	278		827	180.96
California	36,100	4,183	4,811	4,438	4,354	17,786	492.69	36,100	4,739	3,444	3,390		11,573	320.58
Colorado	5,710	1,022	955	930	817	3,724	652.19	5,710	846	845	898		2,589	453.42
Connecticut	3,780	404	515	448	413	1,780	470.90	3,780	391	398	493		1,282	339.15
Delaware	1,270	104	109	121	137	471	370.87	1,270	121	114	138		373	293.70
District of Columbia	660	74	88	97	105	364	551.52	660	91	115	135		341	516.67
Florida	29,840	2,877	2,571	2,657	2,360	10,465	350.70	29,840	2,362	2,374	2,283		7,019	235.22
Georgia	11,290	1,018	1,062	1,177	917	4,174	369.71	11,290	978	1,018	1,036		3,032	268.56
Hawaii	1,850	123	154	129	133	539	291.35	1,850	132	192	197		521	281.62
Idaho	2,260	245	253	286	252	1,036	458.41	2,260	195	241	264		700	309.73
Illinois	19,880	1,559	1,763	2,331	1,755	7,408	372.64	19,880	1,613	1,661	1,641		4,915	247.23
Indiana	9,790	1,056	990	896	897	3,839	392.13	9,790	649	868	1,287		2,804	286.41
Iowa	3,890	376	426	511	481	1,794	461.18	3,890	428	437	532		1,397	359.13
Kansas	4,280	446	449	484	502	1,881	439.49	4,280	424	410	411		1,245	290.89
Kentucky	10,210	599	552	589	614	2,354	230.56	10,210	482	517	615		1,614	158.08
Louisiana	5,990	630	598	538	481	2,247	375.13	5,990	567	513	483		1,563	260.93
Maine	2,280	141	202	260	284	887	389.04	2,280	223	192	276		691	303.07
Maryland	6,940	631	807	876	895	3,209	462.39	6,940	882	825	1,101		2,808	404.61
Massachusetts	8,740	977	1,244	1,044	1,195	4,460	510.30	8,740	1,025	986	1,162		3,173	363.04
Michigan	13,990	1,855	1,559	1,563	1,499	6,476	462.90	13,990	1,295	1,384	1,715		4,394	314.08
Minnesota	8,050	784	877	794	971	3,426	425.59	8,050	626	685	740		2,051	254.78
Mississippi	3,580	327	281	259	265	1,132	316.20	3,580	259	259	242		760	212.29
Missouri	10,030	865	844	997	878	3,584	357.33	10,030	735	772	760		2,267	226.02
Montana	1,200	123	131	124	102	480	400.00	1,200	102	108	146		356	296.67
Nebraska	2,540	269	233	294	318	1,114	438.58	2,540	253	230	238		721	283.86
Nevada	4,210	335	285	367	304	1,291	306.65	4,210	240	273	273		786	186.70
New Hampshire	1,880	268	242	265	275	1,050	558.51	1,880	230	242	268		740	393.62
New Jersey	10,400	1,091	1,042	1,440	1,171	4,744	456.15	10,400	895	980	1,060		2,935	282.21
New Mexico	2,490	252	212	253	201	918	368.67	2,490	184	215	260		659	264.66
New York	18,970	1,316	1,473	1,786	1,706	6,281	331.10	18,970	1,359	1,341	1,651		4,351	229.36
North Carolina	13,710	1,372	1,262	1,291	1,430	5,355	390.59	13,710	1,086	1,372	1,317		3,775	275.35
North Dakota	880	58	62	70	86	276	313.64	880	66	56	87		209	237.50
Ohio	17,090	1,690	1,612	1,935	1,614	6,851	400.88	17,090	1,395	1,272	1,543		4,210	246.34
Oklahoma	4,870	543	454	545	380	1,922	394.66	4,870	336	434	434		1,204	247.23
Oregon	5,020	536	563	781	554	2,434	484.86	5,020	577	572	588		1,737	346.02
Pennsylvania	18,900	1,263	1,339	1,373	1,455	5,430	287.30	18,900	1,099	1,102	1,589		3,790	200.53
Puerto Rico	5,300					0	0.00	5,300					0	0.00
Rhode Island	1,770	99	175	156	180	610	344.63	1,770	118	137	204		459	259.32
South Carolina	6,470	461	376	469	551	1,857	287.02	6,470	447	531	582		1,560	241.11
South Dakota	1,290	100	80	104	152	436	337.98	1,290	118	77	100		295	228.68
Tennessee	11,190	1,000	942	994	979	3,915	349.87	11,190	794	882	841		2,517	224.93
Texas	36,690	3,223	2,942	3,457	3,283	12,905	351.73	36,690	2,870	2,926	3,031		8,827	240.58
Utah	4,060	414	366	342	333	1,455	358.37	4,060	352	384	419		1,155	284.48
Vermont	700	106	134	131	150	521	744.29	700	91	107	151		349	498.57
Virginia	9,590	897	1,028	967	1,004	3,896	406.26	9,590	997	942	900		2,839	296.04
Washington	7,740	1,078	983	977	1,039	4,077	526.74	7,740	913	843	1,085		2,841	367.05
West Virginia	3,140	282	177	155	153	767	244.27	3,140	120	116	199		435	138.54
Wisconsin	8,290	815	902	1,094	975	3,786	456.69	8,290	666	833	805		2,304	277.93
Wyoming	560	59	54	61	67	241	430.36	560	46	76	67		189	337.50



# Pharmacy Demand Report (PDR)

## Pharmacy Technician

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

2022		2023			
Full Year		Quarter 1		Quarter 2	
Metro Area	Job Postings	Metro Area	Job Postings	Metro Area	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	6,645	New York-Newark-Jersey City, NY-NJ-PA	1,362	New York-Newark-Jersey City, NY-NJ-PA	1,435
Chicago-Naperville-Elgin, IL-IN-WI	5,903	Chicago-Naperville-Elgin, IL-IN-WI	1,238	Chicago-Naperville-Elgin, IL-IN-WI	1,280
Los Angeles-Long Beach-Anaheim, CA	5,835	Los Angeles-Long Beach-Anaheim, CA	1,221	Los Angeles-Long Beach-Anaheim, CA	1,060
Dallas-Fort Worth-Arlington, TX	4,005	San Francisco-Oakland-Berkeley, CA	1,051	Dallas-Fort Worth-Arlington, TX	902
Phoenix-Mesa-Chandler, AZ	3,737	Dallas-Fort Worth-Arlington, TX	981	Boston-Cambridge-Newton, MA-NH	685
Boston-Cambridge-Newton, MA-NH	3,317	Boston-Cambridge-Newton, MA-NH	732	Phoenix-Mesa-Chandler, AZ	678
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	3,147	Phoenix-Mesa-Chandler, AZ	653	Houston-The Woodlands-Sugar Land, TX	661
Detroit-Warren-Dearborn, MI	3,038	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	648	Detroit-Warren-Dearborn, MI	635
Houston-The Woodlands-Sugar Land, TX	2,667	Houston-The Woodlands-Sugar Land, TX	630	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	611
San Francisco-Oakland-Berkeley, CA	2,617	Miami-Fort Lauderdale-Pompano Beach, FL	619	Washington-Arlington-Alexandria, DC-VA-MD-WV	602
Miami-Fort Lauderdale-Pompano Beach, FL	2,556	Seattle-Tacoma-Bellevue, WA	603	San Francisco-Oakland-Berkeley, CA	577
Seattle-Tacoma-Bellevue, WA	2,486	Washington-Arlington-Alexandria, DC-VA-MD-WV	599	Miami-Fort Lauderdale-Pompano Beach, FL	565
Minneapolis-St. Paul-Bloomington, MN-WI	2,386	Detroit-Warren-Dearborn, MI	557	Denver-Aurora-Lakewood, CO	506
Atlanta-Sandy Springs-Alpharetta, GA	2,276	Baltimore-Columbia-Towson, MD	540	Baltimore-Columbia-Towson, MD	483
Denver-Aurora-Lakewood, CO	2,193	Denver-Aurora-Lakewood, CO	540	Atlanta-Sandy Springs-Alpharetta, GA	475
Washington-Arlington-Alexandria, DC-VA-MD-WV	2,172	Atlanta-Sandy Springs-Alpharetta, GA	530	Seattle-Tacoma-Bellevue, WA	474
Tampa-St. Petersburg-Clearwater, FL	2,121	Minneapolis-St. Paul-Bloomington, MN-WI	471	Minneapolis-St. Paul-Bloomington, MN-WI	439
Baltimore-Columbia-Towson, MD	2,085	Sacramento-Roseville-Folsom, CA	464	Portland-Vancouver-Hillsboro, OR-WA	410
Kansas City, MO-KS	1,934	Riverside-San Bernardino-Ontario, CA	443	Tampa-St. Petersburg-Clearwater, FL	396
Riverside-San Bernardino-Ontario, CA	1,797	Tampa-St. Petersburg-Clearwater, FL	425	Kansas City, MO-KS	389
St. Louis, MO-IL	1,640	Kansas City, MO-KS	423	Riverside-San Bernardino-Ontario, CA	387
Portland-Vancouver-Hillsboro, OR-WA	1,597	Orlando-Kissimmee-Sanford, FL	412	Orlando-Kissimmee-Sanford, FL	376
Orlando-Kissimmee-Sanford, FL	1,561	Portland-Vancouver-Hillsboro, OR-WA	409	Cincinnati, OH-KY-IN	339
San Diego-Chula Vista-Carlsbad, CA	1,511	San Diego-Chula Vista-Carlsbad, CA	352	St. Louis, MO-IL	323
Cleveland-Elyria, OH	1,479	St. Louis, MO-IL	336	Sacramento-Roseville-Folsom, CA	277
		Quarter 3		Quarter 4	
		Metro Area	Job Postings	Metro Area	Job Postings
		New York-Newark-Jersey City, NY-NJ-PA	1,610		
		Chicago-Naperville-Elgin, IL-IN-WI	1,159		
		Los Angeles-Long Beach-Anaheim, CA	1,129		
		Dallas-Fort Worth-Arlington, TX	935		
		Washington-Arlington-Alexandria, DC-VA-MD-WV	812		
		Detroit-Warren-Dearborn, MI	800		
		Boston-Cambridge-Newton, MA-NH	790		
		Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	707		
		Phoenix-Mesa-Chandler, AZ	692		
		Houston-The Woodlands-Sugar Land, TX	671		
		Seattle-Tacoma-Bellevue, WA	644		
		Atlanta-Sandy Springs-Alpharetta, GA	620		
		Baltimore-Columbia-Towson, MD	591		
		Miami-Fort Lauderdale-Pompano Beach, FL	572		
		Denver-Aurora-Lakewood, CO	538		
		San Francisco-Oakland-Berkeley, CA	514		
		Pittsburgh, PA	501		
		Minneapolis-St. Paul-Bloomington, MN-WI	462		
		Kansas City, MO-KS	410		
		Cincinnati, OH-KY-IN	409		
		Tampa-St. Petersburg-Clearwater, FL	397		
		Portland-Vancouver-Hillsboro, OR-WA	389		
		Louisville/Jefferson County, KY-IN	370		
		Indianapolis-Carmel-Anderson, IN	363		
		St. Louis, MO-IL	342		