

American Association of Colleges of Pharmacy

American College of Clinical Pharmacy

**American Pharmacists Association** 

American Society of Health-System Pharmacists

**Board of Pharmacy Specialties** 

National Alliance of State Pharmacy Associations

**National Community Pharmacists Association** 

Pharmacy Technician Certification Board

#### **Officers**

Allie Jo Shipman, NASPA President

Lynette Bradley-Baker, AACP Vice President

Thomas Maggio, AACP Secretary/Treasurer

The next Pharmacy Demand Report will be available July 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

#### 1st Quarter 2021

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

#### Pharmacists

There have been 4,638 job postings for pharmacists through the first quarter 2021. 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);
- 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 (648), followed by Florida (446), Texas (372), New York (234), and Ohio (207). Mississippi and Vermont each had the lowest number of job postings (2);
- The MSAs with the highest number of job postings in the first quarter were New York-Newark, Los Angeles, and Miami-Fort Lauderdale; and
- The highest number of postings were for the Clinical Pharmacist position (1,742) followed by Retail Pharmacist position (1,456), the Other Pharmacist Occupations category (955), Hospital Pharmacist position (303), and Pharmacy Director position (182).

#### Pharmacy Technicians

There were 54,411 job postings for pharmacy technicians through the first quarter 2021. Highlights for pharmacy technicians job postings for 2021 include: 54,411 job postings were reported for the first quarter (includes carry over postings from 2020);

- 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 (6,112) followed by Texas (4,713), Florida (3,980), Arizona (2,984), and Ohio (2,509). Wyoming had the lowest number of job postings (49); and
- Phoenix, New York-Newark, and Los Angeles had the highest number of job postings for the first quarter.

											R	egio	nal Data	1										
					Clinic	al Pharn	nacist											Reta	il Pharm	acist				
			2	020					20	21							2020					202	21	
	Q1	(	Q2 Q3	C	Q <b>4</b>	Total	Q1	Q2	Q3	Q4	T	otal		Q1	Q2	Q	3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast		276	115	191	167			268	0	0	0	268	Northeast	285		202	91	150				0	0	0 255
South		640	144	487	468			690	0	0	0	690	South	424		208	265	243	-			0	0	0 503
Midwest		406	93	224	225			322	0	0	0	322	Midwest	338		137	87	162				0	0	0 309
West		532	176	330	344	1,382	2	462	0	0	0	462	West	627	2	279	172	252	1,330	389		0	0	0 389
					Hospi	tal Pharr	macis	t										All Phar	macist F	ositions				
			2	020	-				20	21							2020					202	21	
	Q1	(	Q2 Q3	C	Q4	Total	Q1	Q2	Q3	Q4	Т	otal	11	Q1	Q2	Q	3	Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast		57	17	19	21	114	·	44	0	0	0	44	Northeast	842	4	140	372	424	2,078	724		0	0	0 724
South		112	72	60	32	276	5	81	0	0	0	81	South	1,511	5	565	969	909	3,954	1,667		0	0	0 1,667
Midwest		82	34	18	48	182	2	73	0	0	0	73	Midwest	1,214	4	401	440	614	2,669	992		0	0	0 992
West		155	68	55	64	342	2	105	0	0	0	105	West	1,693	7	709	740	796	3,938	1,255		0	0	0 1,255
				Oth	er Phar	macist C	)ccup	ations					1					Pharma	acy Tech	nicians				
	Π		2	020			<u> </u>		20	21							2020		,	T		202	21	
	Q1	10	Q2 Q3		Q4	Total	Q1	Q2	Q3	  Q4	Т	otal	11	Q1	Q2	Q		Q4	Total	Q1	Q2	Q3	Q4	Total
Northeast		193	89	66	78	426	5	142	0	0	0	142	Northeast	8,690	5,5	506	4,272	5,340	23,808	8,282		0	0	0 8,282
South		251	93	123	124	591		322	0	0	0	322	South	16,435	9,6	686	10,085	11,410	47,616	19,574		0	0	0 19,574
Midwest		335	112	90	167	704		253	0	0	0	253	Midwest	12,082	6,8	392	6,544	8,214	33,732	12,421		0	0	0 12,421
West		271	144	124	106	645	5	238	0	0	0	238	West	11,238	6,5	580	8,135	9,387	35,340	14,080		0	0	0 19,078
					Dharr	macy Dir	octor	1					1											
	1		2	020	FIIaII	nacy Di	I		20	21														
	Q1	16	Q2 Q3		Q4	Total	Q1	Q2	Q3	Q4	Т	otal												
Northeast		31	17	5	8			15	0	0	0	15												
South	1	84	48	34	42			71	0	0	0	71	1											
Midwest		53	25	21	12	111		35	0	0	0	35	1											
West		108	42	59	30	239	)	61	0	0	0	61	1											

#### **Clinical Pharmacist**

		2020						202	1			
	Number of Pharmacists	Q1 (Includes Carryover					<b>Postings Quotient</b>	Q1 (Includes Carryover			$\overline{}$	Т
State/Territory	Licensed (as of Oct. 2020)	from 2019)	Q2	Q3	Q4	Total		from 2020)	02	Q3	Q4	Total
Alabama	10,335	5	0	2	4	11	1.06	7	Ψ-	40	<u> </u>	7
Alaska	1,002	7	1	1	5	14	13.97	7			_	7
Arizona	12,051	37	18	25	26	106	8.80	47				47
Arkansas	6,540	4	4	10	10	28	4.28	19			+	19
California	47,926	342	108	218	237	905	18.88	286				286
Colorado	8,832	31	6	25	21	83	9.40	26			+	26
Connecticut	5,545	65	30	28	23	146	26.33	38				38
Delaware	2,415	5	0	6	8	19	7.87	9			+	9
District of Columbia	2,045	5	3	7	6	21	10.27	9				9
Florida	34,157	204	24	142	152	522	15.28	207				207
Georgia	15,216	73	16	46	30	165	10.84	60				60
Hawaii	2,451	2	4	2	1	9	3.67	5				5
Idaho	4,082	15	0	6	6	27	6.61	9				9
Illinois	18,446	73	19	38	43	173	9.38	74				74
Indiana	11,497	32	13	15	23	83	7.22	32				32
lowa	6,349	12	5	14	11	42	6.62	12				12
Kansas	7,234	15	3	7	9	34	4.70	10				10
Kentucky	10,767	27	5	23	21	76	7.06	35				35
Louisiana	9,200	21	5	17	11	54	5.87	16				16
Maine	2,300	5	3	8	6	22	9.57	6				6
Maryland	12,228	38	18	24	22	102	8.34	26				26
Massachusetts	13,936	44	10	35	34	123	8.83	35				35
Michigan	16,582	32	7	23	17	79	4.76	27				27
Minnesota	9,033	41	11	36	26	114	12.62	43				43
Mississippi	6,357	0	6	1	0	7	1.10	0				0
Missouri	11,320	55	11	30	29	125	11.04	46			1	46
Montana	2,111	2	0	1	2	5	2.37	4				4
Nebraska	5,495	4	2	1	1	8	1.46	2				2
Nevada	7,721	19	3	20	23	65	8.42	36				36
New Hampshire	2,912	2	1	15	5	23	7.90	6				6
New Jersey	18,019	34	18	21	24	97	5.38	35				35
New Mexico	3,065	7	3	9	6	25	8.16	10				10
New York	27,113	56	13	39	44	152	5.61	71				71
North Carolina	17,009	34	9	28	30	101	5.94	45				45
North Dakota	2,336	1	0	1	1	3	1.28	1				1
Ohio	20,979	120	15	43	49	227	10.82	63				63
Oklahoma	7,838	6	0	3	3	12	1.53	5				5
Oregon	8,488	16	3	1	2	22	2.59	5				5
Pennsylvania	24,586	58	37	33	19	147	5.98	62				62
Puerto Rico	5,340	1	1	0	1	3	0.56	3				3
Rhode Island	2,185	11	3	11	12	37	16.93	14				14
South Carolina	9,458	12	9	15	10	46	4.86	13				13
South Dakota	2,046	1	0	1	0	2	0.98	0				0
Tennessee	12,556	22	4	15	19	60	4.78	20				20
Texas	35,669	150	33	98	102	383	10.74	161				161
Utah	4,094	21	14	3	2	40	9.77	7				7
Vermont	1,231	1	0	1	0	2	1.62	1				1
Virginia	15,616	29	8	44	35	116	7.43	52				52
Washington	10,969	33	16	18	12	79	7.20	19				19
West Virginia	5,522	5	0	6	5	16	2.90	6				6
Wisconsin	8,942	20	7	15	16	58	6.49	12				12
Wyoming	1,441	0	0	1	1	2	1.39	1				1

#### **Clinical Pharmacist**

			Cililical	i ilalilla				
			Job Postings in the Top 25 M	letropolitan Si	tatistical Areas (MSAs)			
	2020				20	)21		
	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			
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			
Chicago-Naperville-Elgin, IL-IN-WI	168	Similar to National Average	New York-Newark-Jersey City, NY-NJ-PA	72	Similar to 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			
Dallas-Fort Worth-Arlington, TX	118	Lower than National Average	Orlando-Kissimmee-Sanford, FL	42	Much Higher than National Average			
Orlando-Kissimmee-Sanford, FL	116	Much Higher than National Average	Phoenix-Mesa-Scottsdale, AZ	41	Similar to National Average			
SacramentoRosevilleArden-Arcade, CA	103	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	39	Lower than National Average			
Atlanta-Sandy Springs-Roswell, GA	99	Similar to National Average	Houston-The Woodlands-Sugar Land, TX	36	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			
Boston-Cambridge-Nashua, MA-NH	96	Lower than National Average	San Diego-Carlsbad, CA	32	Higher than National Average			
San Diego-Carlsbad, CA	94	Higher than National Average	St. Louis, MO-IL	30	Much Higher than National Average			
San Francisco-Oakland-Hayward, CA	92	Lower than National Average	Atlanta-Sandy Springs-Roswell, GA	30	Lower than National Average			
Baltimore-Columbia-Towson, MD	91	Much Higher than National Average	Tampa-St. Petersburg-Clearwater, FL	29	Similar to National Average			
St. Louis, MO-IL	90	Much Higher than National Average	San Francisco-Oakland-Hayward, CA	28	Lower than National Average			
Minneapolis-St. Paul-Bloomington, MN-WI	88	Similar to National Average	San Antonio-New Braunfels, TX	28	Much Higher than National Average			
Phoenix-Mesa-Scottsdale, AZ	87	Lower than National Average	SacramentoRosevilleArden-Arcade, CA	27	Much Higher than National Average			
Tampa-St. Petersburg-Clearwater, FL	80	Higher than National Average	Cincinnati, OH-KY-IN	27	Much Higher than National Average			
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	79	Lower than National Average	Boston-Cambridge-Nashua, MA-NH	27	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			
Cincinnati, OH-KY-IN	73	Much Higher than National Average	New Haven, CT (Metropolitan NECTA)	25	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			
San Antonio-New Braunfels, TX	65	Much Higher than National Average	Baltimore-Columbia-Towson, MD	25	Higher 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			
Louisville/Jefferson County, KY-IN	56	Much Higher than National Average	San Jose-Sunnyvale-Santa Clara, CA	24	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			
				Quarter 3			Quarter 4	
			Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient

#### **Hospital Pharmacist**

		2020						202:	1			
	Number of Pharmacists	Q1 (Includes Carryover					<b>Postings Quotient</b>	Q1 (Includes Carryover				$\overline{}$
State/Territory	Licensed (as of Oct. 2020)	from 2019)	Q2	Q3	04	Total	for 2020	from 2020)	02	03	04	Total
Alabama	10,335	0	0	0	0	0	0.00	6		<u> </u>		6
Alaska	1,002	1	0	1	5	7	6.99	6				6
Arizona	12,051	21	3	14	8	46	3.82	9				9
Arkansas	6,540	0	0	0	0	0	0.00	0				0
California	47,926	88	48	21	21	178	3.71	46				46
Colorado	8,832	11	1	4	8	24	2.72	17				17
Connecticut	5,545	5	4	3	5	17	3.07	5				5
Delaware	2,415	0	0	0	2	2	0.83	1				1
District of Columbia	2,045	0	0	0	0	0	0.00	0				0
Florida	34,157	18	20	15	9	62	1.82	14				14
Georgia	15,216	7	10	10	6	33	2.17	12				12
Hawaii	2,451	2	0	0	0	2	0.82	3				3
Idaho	4,082	0	0	0	1	1	0.24	1				1
Illinois	18,446	19	11	4	11	45	2.44	25				25
Indiana	11,497	7	1	1	0	9	0.78	4				4
Iowa	6,349	0	0	0	1	1	0.16	3				3
Kansas	7,234	0	0	0	0	0	0.00	1				1
Kentucky	10,767	8	6	0	0	14	1.30	5				5
Louisiana	9,200	16	14	2	1	33	3.59	1				1
Maine	2,300	6	0	1	3	10	4.35	6				6
Maryland	12,228	8	6	4	1	19	1.55	2				2
Massachusetts	13,936	2	3	4	5	14	1.00	7				7
Michigan	16,582	10	5	2	3	20	1.21	2				2
Minnesota	9,033	3	7	4	5	19	2.10	12				12
Mississippi	6,357	0	0	0	0	0	0.00	1				1
Missouri	11,320	5	1	1	4	11	0.97	4				4
Montana	2,111	1	1	1	0	3	1.42	1				1
Nebraska	5,495	9	1	0	7	17	3.09	7				7
Nevada	7,721	4	2	2	5	13	1.68	9				9
New Hampshire	2,912	0	0	0	0	0	0.00	0				0
New Jersey	18,019	8	2	5	2	17	0.94	9				9
New Mexico	3,065	7	4	7	4	22	7.18	5				5
New York	27,113	14	7	4	1	26	0.96	12				12
North Carolina	17,009	3	4	2	2	11	0.65	5				5
North Dakota	2,336	0	0	0	0	0	0.00	2				2
Ohio	20,979	11	4	5	13	33	1.57	11				11
Oklahoma	7,838	5	2	2	0	9	1.15	2				2
Oregon	8,488	0	2	1	5	8	0.94	2				2
Pennsylvania	24,586	20	1	2	3	26	1.06	3				3
Puerto Rico	5,340	0	0	0	0	0	0.00	0				0
Rhode Island	2,185	2	0	0	2	4	1.83	2				2
South Carolina	9,458	4	2	4	5	15	1.59	8				8
South Dakota	2,046	0	0	0	0	0	0.00	0				0
Tennessee	12,556	1	1	0	0	2	0.16	1				1
Texas	35,669	40	7	20	6	73	2.05	23				23
Utah	4,094	2	0	0	0	2	0.49	0				0
Vermont	1,231	0	0	0	0	0	0.00	0				0
Virginia	15,616	2	0	1	0	3	0.19	0				0
Washington	10,969	17	7	4	7	35	3.19	6				6
West Virginia	5,522	0	0	0	0	0	0.00	0				0
Wisconsin	8,942	18	4	1	4	27	3.02	2				2
Wyoming	1,441	1	0	0	0	1	0.69	0	Ī			0

### **Hospital Pharmacist**

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			Job Postings in the Top 25 N	<b>Netropolitan</b>	Statistical Areas (MSAs)			
	2020				202:	L		
	Full Year			Quarter 1			Quarter 2	
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postin	gs 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			
Phoenix-Mesa-Scottsdale, AZ	39	Much Higher than National Average	Denver-Aurora-Lakewood, CO	16	Much Higher than National Average			
SacramentoRosevilleArden-Arcade, CA	38	Much Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	13	Similar to National Average			
Los Angeles-Long Beach-Anaheim, CA	34	Similar to National Average	SacramentoRosevilleArden-Arcade, CA	12	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			
Dallas-Fort Worth-Arlington, TX	29	Similar to National Average	Orlando-Kissimmee-Sanford, FL	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			
Orlando-Kissimmee-Sanford, FL	24	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	9	Similar to National Average			
Seattle-Tacoma-Bellevue, WA	23	Higher than National Average	Las Vegas-Henderson-Paradise, NV	8	Much Higher than National Average			
Denver-Aurora-Lakewood, CO	20	Similar to National Average	Phoenix-Mesa-Scottsdale, AZ	7	Similar to National Average			
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	19	Similar to National Average	Boston-Cambridge-Nashua, MA-NH	7	Similar to National Average			
Albuquerque, NM	18	Much Higher than National Average	Minneapolis-St. Paul-Bloomington, MN-WI	6	Similar to National Average			
Baltimore-Columbia-Towson, MD	16	Higher than National Average	Lewiston-Auburn, ME (Metropolitan NECTA)	6	Much Higher than National Average			
Atlanta-Sandy Springs-Roswell, GA	14	Lower than National Average	Fresno, CA	6	Much Higher than National Average			
Milwaukee-Waukesha-West Allis, WI	13	Much Higher than National Average	Bridgeport-Stamford-Norwalk, CT	5	Much Higher than National Average			
Houston-The Woodlands-Sugar Land, TX	13	Lower than National Average	Vineland-Bridgeton, NJ	4	Much Higher than National Average			
Bridgeport-Stamford-Norwalk, CT	12	Much Higher than National Average	St. Louis, MO-IL	4	Higher than National Average			
Lake Charles, LA	11	Much Higher than National Average	Seattle-Tacoma-Bellevue, WA	4	Lower than National Average			
Cleveland-Elyria, OH	11	Higher than National Average	San Diego-Carlsbad, CA	4	Similar to 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			
Fresno, CA	10	Much Higher than National Average	Birmingham-Hoover, AL	4	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			
St. Louis, MO-IL	9	Similar to National Average	Raleigh, NC	3	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			
Las Vegas-Henderson-Paradise, NV	9	Higher than National Average	Cleveland-Elyria, OH	3	Higher than National Average			
				Quarter 3			Quarter 4	
			Metro Area	Job Postin	gs Location Quotient	Metro Area	Job Postings	Location Quotient

# Pharmacy Demand Report (PDR) Other Pharmacist Occupations

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

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

### **Other Pharmacist Occupations**

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

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

	2020				20	021					
	Full Year		q	uarter 1			Quarter 2				
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient			
lew York-Newark-Jersey City, NY-NJ-PA	149	Higher than National Average	Cleveland-Elyria, OH	52	Much Higher than National Average						
eveland-Elyria, OH	138	Much Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	46	Similar to National Average						
os Angeles-Long Beach-Anaheim, CA	117	Similar to National Average	Los Angeles-Long Beach-Anaheim, CA	40	Similar to National Average						
Petroit-Warren-Dearborn, MI	97	Much Higher than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	27	Higher 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						
/liami-Fort Lauderdale-West Palm Beach, FL	75	Much Higher than National Average	Indianapolis-Carmel-Anderson, IN	22	Much Higher than National Average						
an Diego-Carlsbad, CA	62	Much Higher than National Average	Houston-The Woodlands-Sugar Land, TX	22	Higher than National Average						
SacramentoRosevilleArden-Arcade, CA	61	Much Higher than National Average	Raleigh, NC	20	Much Higher than National Average						
Chicago-Naperville-Elgin, IL-IN-WI	59	Lower than National Average	Detroit-Warren-Dearborn, MI	19	Higher than National Average						
oston-Cambridge-Nashua, MA-NH	49	Similar to National Average	Baton Rouge, LA	19	Much Higher than National Average						
allas-Fort Worth-Arlington, TX	44	Much Lower than National Average	Chicago-Naperville-Elgin, IL-IN-WI	18	Much Lower than National Average						
enver-Aurora-Lakewood, CO	42	Similar to National Average	SacramentoRosevilleArden-Arcade, CA	17	Much Higher than National Average						
hoenix-Mesa-Scottsdale, AZ	41	Lower than National Average	Tampa-St. Petersburg-Clearwater, FL	16	Higher than National Average						
ouston-The Woodlands-Sugar Land, TX	41	Similar to National Average	Phoenix-Mesa-Scottsdale, AZ	15	Lower than National Average						
ansas City, MO-KS	38	Much Higher than National Average	Dallas-Fort Worth-Arlington, TX	15	Much Lower than National Average						
tlanta-Sandy Springs-Roswell, GA	38	Lower than National Average	Boston-Cambridge-Nashua, MA-NH	14	Lower than National Average						
eattle-Tacoma-Bellevue, WA	37	Similar to National Average	Washington-Arlington-Alexandria, DC-VA-MD-WV	13	Much Lower than National Average						
oungstown-Warren-Boardman, OH-PA	35	Much Higher than National Average	Milwaukee-Waukesha-West Allis, WI	13	Much Higher than National Average						
as Vegas-Henderson-Paradise, NV	34	Much Higher than National Average	Kansas City, MO-KS	13	Higher than National Average						
. Louis, MO-IL	33	Higher than National Average	Durham-Chapel Hill, NC	13	Much Higher than National Average						
kron, OH	33	Much Higher than National Average	Denver-Aurora-Lakewood, CO	13	Lower than National Average						
n Francisco-Oakland-Hayward, CA	30	Much Lower than National Average	Boise City, ID	13	Much Higher than National Average						
nn Arbor, MI	28	Much Higher than National Average	San Francisco-Oakland-Hayward, CA	12	Much Lower than National Average						
altimore-Columbia-Towson, MD	27	Similar to National Average	Columbus, OH	12	Higher than National Average						
dianapolis-Carmel-Anderson, IN	26	Similar to National Average	Cincinnati, OH-KY-IN	11	Higher than National Average						
				uarter 3		Quarter 4					
			Metro Area	Inh Postings	Location Quotient	Metro Area Inh Postings Location Quotien					

Cincinnati, OH-KY-IN	11	Higher than National Average			
Qu	arter 3		Qua	rter 4	
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient

#### **Pharmacy Director**

		2020		202:	1							
	Number of Pharmacists	Q1 (Includes Carryover					<b>Postings Quotient</b>	Q1 (Includes Carryover				
State/Territory	Licensed (as of Oct. 2020)	from 2019)	Q2	Q3	04	Total	for 2020	from 2020)	02	03	04	Total
Alabama	10,335	1	0	0	0	1	0.10	0				0
Alaska	1,002	2	0	0	2	4	3.99	3				3
Arizona	12,051	17	5	0	0	22	1.83	3				3
Arkansas	6,540	4	0	0	1	5	0.76	2				2
California	47,926	57	20	47	14	138	2.88	38				38
Colorado	8,832	7	2	1	3	13	1.47	4				4
Connecticut	5,545	0	1	1	0	2	0.36	0				0
Delaware	2,415	1	0	0	0	1	0.41	0				0
District of Columbia	2,045	2	1	0	1	4	1.96	1				1
Florida	34,157	12	5	8	11	36	1.05	17				17
Georgia	15,216	3	2	0	3	8	0.53	4				4
Hawaii	2,451	4	0	0	0	4	1.63	0				0
Idaho	4,082	4	3	1	2	10	2.45	1				1
Illinois	18,446	3	5	1	3	12	0.65	10				10
Indiana	11,497	4	3	2	4	13	1.13	6				6
lowa	6,349	1	0	1	0	2	0.32	1				1
Kansas	7,234	2	0	1	0	3	0.41	0				0
Kentucky	10,767	7	4	2	1	14	1.30	3				3
Louisiana	9,200	3	0	2	1	6	0.65	2				2
Maine	2,300	0	0	0	0	0	0.00	2				2
Maryland	12,228	5	0	0	0	5	0.41	0				0
Massachusetts	13,936	4	4	1	2	11	0.79	1				1
Michigan	16,582	13	5	1	1	20	1.21	5				5
Minnesota	9,033	2	0	0	0	2	0.22	2				2
Mississippi	6,357	0	0	0	0	0	0.00	0				0
Missouri	11,320	4	0	1	1	6	0.53	1				1
Montana	2,111	0	0	0	0	0	0.00	0				0
Nebraska	5,495	1	1	2	0	4	0.73	2				2
Nevada	7,721	6	1	5	2	14	1.81	3				3
New Hampshire	2,912	0	2	0	0	2	0.69	0				0
New Jersey	18,019	7	2	0	3	12	0.67	2				2
New Mexico	3,065	1	3	1	0	5	1.63	0				0
New York	27,113	5	0	2	0	7	0.26	5				5
North Carolina	17,009	4	3	3	1	11	0.65	6				6
North Dakota	2,336	0	0	2	0	2	0.86	0				0
Ohio	20,979	15	7	7	2	31	1.48	5				5
Oklahoma	7,838	2	0	0	1	3	0.38	1				1
Oregon	8,488	4	3	3	2	12	1.41	3				3
Pennsylvania	24,586	15	8	1	3	27	1.10	5				5
Puerto Rico	5,340	0	0	1	1	2	0.37	1				1
Rhode Island	2,185	0	0	0	0	0	0.00	0				0
South Carolina	9,458	2	4	0	1	7	0.74	1				1
South Dakota	2,046	0	0	0	0	0	0.00	0				0
Tennessee	12,556	0	1	7	1	9	0.72	1				1
Texas	35,669	31	22	12	19	84	2.35	24				24
Utah	4,094	0	1	0	1	2	0.49	1				1
Vermont	1,231	0	0	0	0	0	0.00	0				0
Virginia	15,616	4	5	0	0	9	0.58	9				9
Washington	10,969	6	4	1	4	15	1.37	5				5
West Virginia	5,522	3	1	0	1	5	0.91	0				0
Wisconsin	8,942	8	4	3	1	16	1.79	3				3
Wyoming	1,441	0	0	0	0	0	0.00	0				0

### **Pharmacy Director**

			- I Harring							
			Job Postings in the Top 25 Me	etropolita	n Sta	tistical Areas (MSAs)				
	2020					20	021			
F	ull Year		(	Quarter 1					Quarter 2	
Metro Area	Job Postings	Location Quotient	Metro Area	Job Post	tings	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	N	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				
Dallas-Fort Worth-Arlington, TX	21	Similar to National Average	Dallas-Fort Worth-Arlington, TX	8		ligher than National Average				
San Diego-Carlsbad, CA	20	Much Higher than National Average	Richmond, VA	7	١	Much Higher than National Average				
Phoenix-Mesa-Scottsdale, AZ	19	Higher than National Average	Houston-The Woodlands-Sugar Land, TX	7	١	Much Higher than National Average				
San Francisco-Oakland-Hayward, CA	18	Similar to National Average	Tampa-St. Petersburg-Clearwater, FL	6	Ŋ	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	H	ligher than National Average				
Houston-The Woodlands-Sugar Land, TX	17	Much Higher than National Average	New York-Newark-Jersey City, NY-NJ-PA	5	N	Much Lower than National Average				
Chicago-Naperville-Elgin, IL-IN-WI	15	Lower than National Average	Los Angeles-Long Beach-Anaheim, CA	5	L	ower than National Average				
San Antonio-New Braunfels, TX	14	Much Higher than National Average	Austin-Round Rock, TX	5	N	Much Higher than National Average				
Corpus Christi, TX	14	Much Higher than National Average	Portland-Vancouver-Hillsboro, OR-WA	4	N	Much Higher than National Average				
Seattle-Tacoma-Bellevue, WA	13	Similar to National Average	South Bend-Mishawaka, IN-MI	3	Ŋ	Much Higher than National Average				
Tampa-St. Petersburg-Clearwater, FL	12	Much Higher than National Average	Seattle-Tacoma-Bellevue, WA	3	9	Similar to National Average				
Modesto, CA	11	Much Higher than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	3	L	ower than National Average				
Las Vegas-Henderson-Paradise, NV	11	Much Higher than National Average	Las Vegas-Henderson-Paradise, NV	3	N	Much Higher than National Average				
Bakersfield, CA	11	Much Higher than National Average	Detroit-Warren-Dearborn, MI	3	5	Similar to National Average				
Miami-Fort Lauderdale-West Palm Beach, FL	10	Similar to National Average	Bakersfield, CA	3	N	Much Higher than National Average				
Detroit-Warren-Dearborn, MI	10	Similar to National Average	Visalia-Porterville, CA	2	Ŋ	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				
Austin-Round Rock, TX	10	Higher than National Average	Sebastian-Vero Beach, FL	2	ľ	Much Higher than National Average				
Washington-Arlington-Alexandria, DC-VA-MD-WV	9	Much Lower than National Average	Santa Cruz-Watsonville, CA	2	N	Much Higher than National Average				
Portland-Vancouver-Hillsboro, OR-WA	9	Higher than National Average	San Diego-Carlsbad, CA	2	5	Similar to National Average				
Dayton, OH	9	Much Higher than National Average	Riverside-San Bernardino-Ontario, CA	2	5	Similar to National Average				
Boston-Cambridge-Nashua, MA-NH	9	Much Lower than National Average	Pittsburgh, PA	2	ŀ	ligher than National Average				
South Bend-Mishawaka, IN-MI	8	Much Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	2	ľ	Much Lower than National Average				
				Quarter 3					Quarter 4	
			Metro Area	Job Post	tings	Location Quotient		Metro Area	Job Postings	Location Quotient

#### **Retail Pharmacist**

		2020						202	1			
	Number of Pharmacists	Q1 (Includes Carryover					<b>Postings Quotient</b>	Q1 (Includes Carryover				T
State/Territory	Licensed (as of Oct. 2020)	from 2019)	Q2	Q3	Q4	Total		from 2020)	Q2	Q3	Q4	Total
Alabama	10,335	8	2	12	5	27	2.61	6				6
Alaska	1,002	3	2	3	6	14	13.97	6				6
Arizona	12,051	86	29	29	71	215	17.84	95				95
Arkansas	6,540	6	2	3	3	14	2.14	8				8
California	47,926	321	150	83	91	645	13.46	154				154
Colorado	8,832	41	21	12	9	83	9.40	14				14
Connecticut	5,545	9	3	4	7	23	4.15	12				12
Delaware	2,415	1	0	1	4	6	2.48	1				1
District of Columbia	2,045	2	3	0	2	7	3.42	3				3
Florida	34,157	106	54	100	64	324	9.49	137				137
Georgia	15,216	33	29	44	26	132	8.68	59				59
Hawaii	2,451	0	1	1	2	4	1.63	4				4
Idaho	4,082	6	5	6	11	28	6.86	14				14
Illinois	18,446	41	23	13	43	120	6.51	72				72
Indiana	11,497	21	8	12	23	64	5.57	32				32
lowa	6,349	4	3	0	3	10	1.58	7				7
Kansas	7,234	12	10	5	4	31	4.29	12				12
Kentucky	10,767	26	9	0	8	43	3.99	13				13
Louisiana	9,200	18	12	5	12	47	5.11	27				27
Maine	2,300	4	2	2	2	10	4.35	5				5
Maryland	12,228	15	6	6	7	34	2.78	15				15
Massachusetts	13,936	26	11	9	8	54	3.87	13				13
Michigan	16,582	42	18	7	27	94	5.67	49				49
Minnesota	9,033	9	10	2	6	27	2.99	29				29
Mississippi	6,357	6	1	1	0	8	1.26	1				1
Missouri	11,320	36	9	11	19	75	6.63	30				30
Montana	2,111	12	2	1	1	16	7.58	10				10
Nebraska	5,495	25	5	7	3	40	7.28	10				10
Nevada	7,721	32	17	17	11	77	9.97	20				20
New Hampshire	2,912	13	4	6	5	28	9.62	4				4
New Jersey	18,019	44	34	21	27	126	6.99	35				35
New Mexico	3,065	16	2	4	5	27	8.81	6				6
New York	27,113	68	86	21	49	224	8.26	110				110
North Carolina	17,009	13	12	14	9	48	2.82	33				33
North Dakota	2,336	36	6	6	3	51	21.83	13				13
Ohio	20,979	75	29	19	20	143	6.82	28				28
Oklahoma	7,838	8	11	5	9	33	4.21	30				30
Oregon	8,488	23	16	5	19	63	7.42	24			<u> </u>	24
Pennsylvania	24,586	116	57	27	44	244	9.92	70				70
Puerto Rico	5,340	1	0	4	1	6	1.12	0			<u> </u>	0
Rhode Island	2,185	5	5	0	6	16	7.32	5				5
South Carolina	9,458	21	11	11	18	61	6.45	34			<u> </u>	34
South Dakota	2,046	3	0	2	1	6	2.93	6				6
Tennessee	12,556	18	4	14	16	52	4.14	24			<u> </u>	24
Texas	35,669	126	47	47	49	269	7.54	98				98
Utah	4,094	9	1	1	2	13	3.18	2				2
Vermont	1,231	0	0	1	2	3	2.44	1				1
Virginia	15,616	14	4	2	6	26	1.66	13				13
Washington	10,969	76	31	9	24	140	12.76	40				40
West Virginia	5,522	3	1	0	5	9	1.63	1				1
Wisconsin	8,942	34	16	3	10	63	7.05	21				21
Wyoming	1,441	2	2	1	0	5	3.47	0				0

### Retail Pharmacist

					catistical Areas (MSAs)			
	2020				2021			
	ull Year			Quarter 1			Quarter 2	
Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
ew 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			
noenix-Mesa-Scottsdale, AZ	166	Much Higher than National Average	Phoenix-Mesa-Scottsdale, AZ	71	Much Higher than National Average			
niladelphia-Camden-Wilmington, PA-NJ-DE-MD	120	Higher than National Average	Chicago-Naperville-Elgin, IL-IN-WI	44	Similar to National Average			
s Angeles-Long Beach-Anaheim, CA	118	Lower than National Average	Miami-Fort Lauderdale-West Palm Beach, FL	43	Higher than National Average			
n Francisco-Oakland-Hayward, CA	100	Similar to National Average	San Francisco-Oakland-Hayward, CA	37	Similar to National Average			
icago-Naperville-Elgin, IL-IN-WI	95	Lower than National Average	Atlanta-Sandy Springs-Roswell, GA	32	Similar to National Average			
attle-Tacoma-Bellevue, WA	94	Higher than National Average	Seattle-Tacoma-Bellevue, WA	31	Similar to National Average			
cramentoRosevilleArden-Arcade, CA	92	Much Higher than National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	30	Similar to National Average			
ami-Fort Lauderdale-West Palm Beach, FL	86	Higher than National Average	Minneapolis-St. Paul-Bloomington, MN-WI	26	Similar to National Average			
llas-Fort Worth-Arlington, TX	81	Much Lower than National Average	Los Angeles-Long Beach-Anaheim, CA	25	Much Lower than National Average			
anta-Sandy Springs-Roswell, GA	79	Similar to National Average	Dallas-Fort Worth-Arlington, TX	25	Much Lower than National Average			
rlando-Kissimmee-Sanford, FL	76	Much Higher than National Average	Indianapolis-Carmel-Anderson, IN	23	Much Higher than National Average			
ttsburgh, PA	65	Much Higher than National Average	Pittsburgh, PA	22	Much Higher than National Average			
ouston-The Woodlands-Sugar Land, TX	54	Lower than National Average	Houston-The Woodlands-Sugar Land, TX	22	Similar to National Average			
t. Louis, MO-IL	52	Higher than National Average	SacramentoRosevilleArden-Arcade, CA	19	Much Higher than National Average			
verside-San Bernardino-Ontario, CA	45	Similar to National Average	Orlando-Kissimmee-Sanford, FL	19	Higher than National Average			
lilwaukee-Waukesha-West Allis, WI	43	Higher than National Average	St. Louis, MO-IL	18	Similar to National Average			
n Diego-Carlsbad, CA	42	Lower than National Average	Portland-Vancouver-Hillsboro, OR-WA	18	Similar to National Average			
enver-Aurora-Lakewood, CO	42	Much Lower than National Average	Detroit-Warren-Dearborn, MI	18	Lower than National Average			
ortland-Vancouver-Hillsboro, OR-WA	41	Similar to National Average	Tucson, AZ	16	Much Higher than National Average			
s Vegas-Henderson-Paradise, NV	41	Higher than National Average	Las Vegas-Henderson-Paradise, NV	15	Much Higher than National Average			
eveland-Elyria, OH	39	Similar to National Average	Oklahoma City, OK	14	Much Higher than National Average			
dianapolis-Carmel-Anderson, IN	38	Similar to National Average	San Diego-Carlsbad, CA	13	Lower than National Average			
etroit-Warren-Dearborn, MI	36	Much Lower than National Average	Boston-Cambridge-Nashua, MA-NH	12	Much Lower than National Average			
oston-Cambridge-Nashua, MA-NH	33	Much Lower than National Average	Boise City, ID	12	Much Higher than National Average			
				Quarter 3			Quarter 4	
			Metro Area	Job Postings	Location Quotient	Metro Area	Job Postings	Location Quotient
				1				

#### **All Pharmacist Positions**

(Excluding Pharmacy Technician)

		2020						202	21			
	Number of Pharmacists	Q1 (Includes Carryover					<b>Postings Quotient</b>	Q1 (Includes Carryover				T
State/Territory	Licensed (as of Oct. 2020)	from 2019)	Q2	Q3	Q4	Total	for 2020	from 2020)	Q2	Q3	Q4	Total
Alabama	10,335	18	2	16	11	47	4.55	23	0	0	0	23
Alaska	1,002	14	3	5	18	40	39.92	26	0	0	0	26
Arizona	12,051	179	64	80	121	444	36.84	179	0	0	0	179
Arkansas	6,540	19	9	13	17	58	8.87	35	0	0	0	35
California	47,926	956	420	445	411	2,232	46.57	648	0	0	0	648
Colorado	8,832	106	42	55	57	260	29.44	82	0	0	0	82
Connecticut	5,545	90	41	47	44	222	40.04	66	0	0	0	66
Delaware	2,415	7	0	8	14	29	12.01	12	0	0	0	12
District of Columbia	2,045	11	7	8	11	37	18.09	17	0	0	0	17
Florida	34,157	401	129	295	265	1,090	31.91	446	0	0	0	446
Georgia	15,216	139	66	115	70	390	25.63	148	0	0	0	148
Hawaii	2,451	12	6	3	3	24	9.79	13	0	0	0	13
Idaho	4,082	33	9	19	23	84	20.58	41	0	0	0	41
Illinois	18,446	174	73	66	106	419	22.71	205	0	0	0	205
Indiana	11,497	88	38	35	72	233	20.27	107	0	0	0	107
Iowa	6,349	19	8	16	15	58	9.14	25	0	0	0	25
Kansas	7,234	35	21	14	13	83	11.47	28	0	0	0	28
Kentucky	10,767	78	28	27	32	165	15.32	66	0	0	0	66
Louisiana	9,200	94	33	30	29	186	20.22	72	0	0	0	72
Maine	2,300	18	7	12	11	48	20.87	21	0	0	0	21
Maryland	12,228	73	39	47	37	196	16.03	56	0	0	0	56
Massachusetts	13,936	97	39	62	60	258	18.51	73	0	0	0	73
Michigan	16,582	169	66	49	76	360	21.71	124	0	0	0	124
Minnesota	9,033	64	35	47	39	185	20.48	99	0	0	0	99
Mississippi	6,357	7	10	2	0	19	2.99	2	0	0	0	2
Missouri	11,320	135	28	55	64	282	24.91	96	0	0	0	96
Montana	2,111	24	3	5	3	35	16.58	16	0	0	0	16
Nebraska	5,495	42	9	10	11	72	13.10	21	0	0	0	21
Nevada	7,721	82	30	51	46	209	27.07	79	0	0	0	79
New Hampshire	2,912	22	10	26	15	73	25.07	20	0	0	0	20
New Jersey	18,019	143	86	53	72	354	19.65	111	0	0	0	111
New Mexico	3,065	39	17	22	16	94	30.67	26	0	0	0	26
New York	27,113	191	114	81	117	503	18.55	234	0	0	0	234
North Carolina	17,009	71	32	64	62	229	13.46	153	0	0	0	153
North Dakota	2,336	37	7	9	4	57	24.40	16	0	0	0	16
Ohio	20,979	360	76	112	178	726	34.61	207	0	0	0	207
Oklahoma	7,838	29	18	16	16	79	10.08	45	0	0	0	45
Oregon	8,488	49	26	11	32	118	13.90	43	0	0	0	43
Pennsylvania	24,586	253	133	77	83	546	22.21	173	0	0	0	173
Puerto Rico	5,340	4	1	5	4	14	2.62	5	0	0	0	5
Rhode Island	2,185	26	10	12	20	68	31.12	24	0	0	0	24
South Carolina	9,458	42	30	32	42	146	15.44	63	0	0	0	63
South Dakota	2,046	6	1	3	1	11	5.38	8	0	0	0	8
Tennessee	12,556	47	11	41	39	138	10.99	54	0	0	0	54
Texas	35,669	409	131	195	205	940	26.35	372	0	0	0	372
Utah	4,094	40	18	6	7	71	17.34	11	0	0	0	11
Vermont	1,231	2	0	2	2	6	4.87	2	0	0	0	2
Virginia	15,616	55	18	53	47	173	11.08	93	0	0	0	93
Washington	10,969	154	69	36	58	317	28.90	86	0	0	0	86
West Virginia	5,522	11	2	7	12	32	5.80	10	0	0	0	10
Wisconsin	8,942	85	39	24	35	183	20.47	56	0	0	0	56
Wyoming	1,441	5	2	2	1	10	6.94	5	0	0	0	5

### **All Pharmacist Positions**

			(Excluding Ph	narmacy Techni					
			Job Postings in the Top 50 Me	etropolitan St	tatistical Areas (MSAs)				
	2020			<u>-</u>	2	021			
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				
New York-Newark-Jersey City, NY-NJ-PA Miami-Fort Lauderdale-West Palm Beach, FL	610 373	Similar to National Average  Much Higher than National Average	Los Angeles-Long Beach-Anaheim, CA Miami-Fort Lauderdale-West Palm Beach, FL	185 167	Similar to National Average  Much 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				
Phoenix-Mesa-Scottsdale, AZ	352	Similar to National Average	Phoenix-Mesa-Scottsdale, AZ	135	Higher than National Average				
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD SacramentoRosevilleArden-Arcade, CA	318 301	Similar to National Average  Much Higher than National Average	Houston-The Woodlands-Sugar Land, TX  Dallas-Fort Worth-Arlington, TX	96 96	Higher than National Average  Lower than National Average				
Dallas-Fort Worth-Arlington, TX	293	Lower than National Average	San Francisco-Oakland-Hayward, CA	94	Similar to National Average				
San Francisco-Oakland-Hayward, CA	288	Similar to National Average	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	83	Similar to National Average				
Orlando-Kissimmee-Sanford, FL Seattle-Tacoma-Bellevue, WA	242	Much Higher than National Average Similar to National Average	Orlando-Kissimmee-Sanford, FL SacramentoRosevilleArden-Arcade, CA	80 76	Much Higher than National Average  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				
Atlanta-Sandy Springs-Roswell, GA	234	Lower than National Average	Atlanta-Sandy Springs-Roswell, GA	73	Lower than National Average				
San Diego-Carlsbad, CA	225	Higher than National Average	Cleveland-Elyria, OH	68	Much Higher than National Average				
Houston-The Woodlands-Sugar Land, TX Boston-Cambridge-Nashua, MA-NH	221 197	Similar to National Average  Lower than National Average	Seattle-Tacoma-Bellevue, WA Indianapolis-Carmel-Anderson, IN	63 63	Lower than National Average Higher than National Average				
Detroit-Warren-Dearborn, MI	196	Similar to National Average	Detroit-Warren-Dearborn, MI	61	Similar to National Average				
St. Louis, MO-IL	186	Higher than National Average	Boston-Cambridge-Nashua, MA-NH	61	Much Lower than National Average				
Denver-Aurora-Lakewood, CO	162	Lower than National Average	Tampa-St. Petersburg-Clearwater, FL	59	Similar to National Average				
Baltimore-Columbia-Towson, MD Tampa-St. Petersburg-Clearwater, FL	160 141	Similar to National Average Similar to National Average	St. Louis, MO-IL San Diego-Carlsbad, CA	57 57	Similar to National Average Similar to National Average				
Riverside-San Bernardino-Ontario, CA	141	Similar to National Average	Denver-Aurora-Lakewood, CO	54	Lower than National Average				
Cincinnati, OH-KY-IN	134	Higher than National Average	Las Vegas-Henderson-Paradise, NV	52	Much Higher than National Average				
Pittsburgh, PA	133	Similar to National Average	Pittsburgh, PA	45	Similar to National Average				
Minneapolis-St. Paul-Bloomington, MN-WI Las Vegas-Henderson-Paradise, NV	128 127	Much Lower than National Average Higher than National Average	Louisville/Jefferson County, KY-IN Baltimore-Columbia-Towson, MD	45 45	Much Higher than National Average 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				
Washington-Arlington-Alexandria, DC-VA-MD-WV	108	Much Lower than National Average	San Antonio-New Braunfels, TX	44	Higher than National Average				
Milwaukee-Waukesha-West Allis, WI	107	Similar to National Average	Cincinnati, OH-KY-IN	44	Similar to National Average				
Louisville/Jefferson County, KY-IN Indianapolis-Carmel-Anderson, IN	103 103	Higher than National Average  Lower than National Average	San Jose-Sunnyvale-Santa Clara, CA Raleigh, NC	41	Lower than National Average Similar to National Average				
New Haven, CT	96	Much Higher than National Average	Baton Rouge, LA	37	Much Higher than National Average				
Austin-Round Rock, TX	84	Much Lower than National Average	Milwaukee-Waukesha-West Allis, WI	33	Similar to National Average				
Columbus, OH	83	Lower than National Average	Columbus, OH	33	Similar to National Average				
Fresno, CA Portland-Vancouver-Hillsboro, OR-WA	82 80	Much Higher than National Average  Lower than National Average	Boise City, ID  Virginia Beach-Norfolk-Newport News, VA-NC	33	Much Higher than National Average Similar to 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				
Kansas City, MO-KS	78	Lower than National Average	Portland-Vancouver-Hillsboro, OR-WA	32	Much Lower than National Average				
Reno, NV	70	Much Higher than National Average	Tucson, AZ	28	Much Higher than National Average				
Buffalo-Cheektowaga-Niagara Falls, NY Providence-Warwick, RI-MA	69 68	Higher than National Average Higher than National Average	New Haven, CT  Nashville-DavidsonMurfreesboroFranklin, TN	28	Much Higher than National Average  Lower than National Average				
Boise City, ID	65	Higher than National Average	Fresno, CA	28	Much Higher than National Average				
Ann Arbor, MI	65	Much Higher than National Average	Buffalo-Cheektowaga-Niagara Falls, NY	26	Higher than National Average				
Nashville-DavidsonMurfreesboroFranklin, TN	64	Much Lower than National Average	Austin-Round Rock, TX	25	Much Lower than National Average				
New Orleans-Metairie, LA Albuquerque, NM	61	Similar to National Average Higher than National Average	Providence-Warwick, RI-MA Kansas City, MO-KS	24	Much Higher than National Average  Much Lower than National Average				
Salt Lake City, UT	59	Similar to National Average	Reno, NV	23	Much Higher than National Average				
Hartford-West Hartford-East Hartford, CT	58	Similar to National Average	Oklahoma City, OK	23	Similar to National Average				
Charlotte-Concord-Gastonia, NC-SC	58	Much Lower than National Average	Fayetteville, NC	23	Much Higher than National Average				
Baton Rouge, LA	58	Much Higher than National Average	Modesto, CA	22 Duartor <b>2</b>	Much Higher than National Average		Quarter 4		
			Metro Area	Quarter 3  Job Postings	Location Quotient	Metro Area	Quarter 4  Job Postings Location Quotient		
			Wetto Area	Job i Ostiligs	Location Quotient	Wictio Arca	Job i ostings Eocation Quotient		

# Pharmacy Technician

		2020	2020						2021				
State/Territory	Number of Employeed 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				526	
Alaska	590	73	44	62	62	241	408.47	113				113	
Arizona	8,900	1,680	957	2,538	2,822	7,997	898.54	2,984				2,984	
Arkansas	4,880	208	162	198	180	748	153.28	299				299	
California	36,560	5,014	3,294	2,905	3,375	14,588	399.02	6,112				6,112	
Colorado	5,600	1,201	504	655	903	3,263	582.68	1,416				1,416	
Connecticut	3,870	566	359	338	391	1,654	427.39	633				633	
Delaware	1,360	112	85	49	78	324	238.24	107				107	
District of Columbia	670	115	78	52	67	312	465.67	105				105	
Florida	29,800	3,052	1,770	1,903	2,186	8,911	299.03	3,980				3,980	
Georgia	11,360	1,031	717	766	842	3,356	295.42	1,494				1,494	
Hawaii	1,790	130	100	82	108	420	234.64	182				182	
Idaho	2,190	225	106	185	196	712	325.11	Under Review					
Illinois	21,090	1,977	1,104	907	1,269	5,257	249.27	1,725				1,725	
Indiana	9,610	1,214	713	550	1,084	3,561	370.55	1,901				1,901	
Iowa	4,270	398	235	308	272	1,213	284.07	467				467	
Kansas	4,220	418	208	262	360	1,248	295.73	530				530	
Kentucky	8,840	751	468	495	564	2,278	257.69	908				908	
Louisiana	6,150	710	462	330	397	1,899	308.78	757				757	
Maine	2,270	208	120	91	115	534	235.24	156				156	
Maryland	7,640	904	543	477	601	2,525	330.50	1,106				1,106	
Massachusetts	9,150	1,522	946	783	979	4,230	462.30	1,504				1,504	
Michigan	15,040	2,162	1,176	1,110	1,329	5,777	384.11	1,909				1,909	
Minnesota	8,120	1,038	571	573	606	2,788	343.35	1,131				1,131	
Mississippi	3,450	292	201	229	190	912	264.35	311				311	
Missouri	9,970	919	563	507	544	2,533	254.06	800				800	
Montana	1,180	129	77	103	79	388	328.81	142				142	
Nebraska	2,510	312	214	228	165	919	366.14	269				269	
Nevada	3,750	404	259	282	267	1,212	323.20	478				478	
New Hampshire	1,870	344	248	306	376	1,274	681.28	353				353	
New Jersey	9,810	1,450	1,086	682	949	4,167	424.77	1,477				1,477	
New Mexico	2,340	227	115	140	130	612	261.54	213				213	
New York	20,360	2,055	1,235	984	1,151	5,425	266.45	2,117				2,117	
North Carolina	13,560	1,421	798	801	1,046	4,066	299.85	1,570				1,570	
North Dakota	890	71	34	24	38	167	187.64	60				60	
Ohio	16,470	2,558	1,452	1,553	1,909	7,472	453.67	2,509				2,509	
Oklahoma	4,940	426	267	243	321	1,257	254.45	524				524	
Oregon	4,900	581	296	237	380	1,494	304.90	652				652	
Pennsylvania	18,250	2,297	1,326	951	1,206	5,780	316.71	1,788				1,788	
Puerto Rico	5,530	40	8	43	36	127	22.97	54				54	
Rhode Island	1,840	180	138	69	136	523	284.24	199				199	
South Carolina	7,110	508	377	301	347	1,533	215.61	513				513	
South Dakota	1,250	63	29	69	56	217	173.60	97				97	
Tennessee	10,270	995	551	613	649	2,808	273.42	1,194				1,194	
Texas	38,550	4,076	2,130	2,746	2,702	11,654	302.31	4,713				4,713	
Utah	3,700	467	226	334	233	1,260	340.54	394				394	
Vermont	740	68	48	68	37	221	298.65	55				55	
Virginia	10,320	1,121	649	535	738	3,043	294.86	1,248				1,248	
Washington	7,150	1,073	584	587	798	3,042	425.45	1,345				1,345	
West Virginia	3,270	198	121	72	147	538	164.53	219				219	
Wisconsin	7,990	952	593	453	582	2,580	322.90	1,023				1,023	
Wyoming	570	34	18	25	34	111	194.74	49				49	

#### **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	6,099	New York-Newark-Jersey City, NY-NJ-PA	2,474					
Los Angeles-Long Beach-Anaheim, CA	4,575	Los Angeles-Long Beach-Anaheim, CA	1,915					
Chicago-Naperville-Elgin, IL-IN-WI	4,153	Dallas-Fort Worth-Arlington, TX	1,595					
Dallas-Fort Worth-Arlington, TX	4,112	Chicago-Naperville-Elgin, IL-IN-WI	1,400					
Boston-Cambridge-Nashua, MA-NH	3,324	Boston-Cambridge-Nashua, MA-NH	1,195					
Detroit-Warren-Dearborn, MI	3,224	Indianapolis-Carmel-Anderson, IN	1,109					
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	3,082	Detroit-Warren-Dearborn, MI	1,086					
Miami-Fort Lauderdale-West Palm Beach, FL	2,481	Miami-Fort Lauderdale-West Palm Beach, FL	1,063					
San Francisco-Oakland-Hayward, CA	2,322	Boise City, ID	Under Review					
Houston-The Woodlands-Sugar Land, TX	2,299	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	1,001					
Cleveland-Elyria, OH	2,188	Houston-The Woodlands-Sugar Land, TX	926					
Seattle-Tacoma-Bellevue, WA	2,048	Atlanta-Sandy Springs-Roswell, GA	920					
Atlanta-Sandy Springs-Roswell, GA	2,048	San Francisco-Oakland-Hayward, CA	899					
Minneapolis-St. Paul-Bloomington, MN-WI	1,978	Denver-Aurora-Lakewood, CO	892					
Denver-Aurora-Lakewood, CO	1,978	Seattle-Tacoma-Bellevue, WA	876					
Tampa-St. Petersburg-Clearwater, FL	1,860	Tampa-St. Petersburg-Clearwater, FL	842					
Washington-Arlington-Alexandria, DC-VA-MD-WV	1,793	Minneapolis-St. Paul-Bloomington, MN-WI	764					
Indianapolis-Carmel-Anderson, IN	1,784	Riverside-San Bernardino-Ontario, CA	749					
Baltimore-Columbia-Towson, MD	1,595	Washington-Arlington-Alexandria, DC-VA-MD-WV	742					
Pittsburgh, PA	1,569	Baltimore-Columbia-Towson, MD	720					
Orlando-Kissimmee-Sanford, FL	1,420	Cleveland-Elyria, OH	680					
Riverside-San Bernardino-Ontario, CA	1,405	Orlando-Kissimmee-Sanford, FL	604					
Austin-Round Rock, TX	1,390	Cincinnati, OH-KY-IN	509					
St. Louis, MO-IL	1,380	Kansas City, MO-KS	497					
·		Quarter 3		Quarter 4				

Kalisas City, MO-KS	437						
Quarter 3		Quarter 4					
Metro Area	Job Postings	Metro Area	Job Postings				
			55.5 1 5585				