

All Pharmacist Positions															
	2019					2020									
	Q1	Q2	Q3	Q4	Total	Q1	Q1 Percent Change	Q2	Q2 Percent Change	Q3	Q3 Percent Change	Q4	Q4 Percent Change	Total	Total Percent Change
Northeast	1875	1777	1826	1954	7432	2427	29%	1568	-12%	1702	-7%	2385	22%	8082	9%
South	3917	3653	3622	4152	15344	4539	16%	2210	-40%	3764	4%	4469	8%	14982	-2%
Midwest	2620	2396	2095	2459	9570	2687	3%	1412	-41%	1802	-14%	3158	28%	9059	-5%
West	3347	3461	3163	3269	13240	3093	-8%	1935	-44%	2499	-21%	3251	-1%	10778	-19%
Total:	11759	11287	10706	11834	45586	12746	8%	7125	-37%	9767	-9%	13263	12%	42901	-6%

The regional summary chart clearly shows that the COVID-19 pandemic negatively impacted the availability of jobs for Pharmacists. The first quarter (Jan, Feb, March) of 2020 had a growth of 8%. On Friday, March 13th, the United States declared COVID-19 a national emergency, with many businesses, organizations, and institutions switching to a work-from-home status the following Monday.

When comparing the quarterly change in 2019 to 2020, there is a significant loss in Q2 and Q3. However, it is promising to see growth between Q2–Q4 in 2020. Hopefully, the data in the first PDR of 2021 will show that trend continuing.

Pharmacy Technician															
	2019					2020									
	Q1	Q2	Q3	Q4	Total	Q1	Q1 Percent Change	Q2	Q2 Percent Change	Q3	Q3 Percent Change	Q4	Q4 Percent Change	Total	Total Percent Change
Northeast	4930	5811	4760	5615	21116	5650	15%	4221	-27%	4286	-10%	5340	-5%	19497	-8%
South	9546	10666	9947	11137	41296	10952	15%	7652	-28%	10103	2%	11394	2%	40101	-3%
Midwest	7741	8043	7527	7908	31219	8237	6%	5711	-29%	6576	-13%	8302	5%	28826	-8%
West	5909	6674	6439	6952	25974	8025	36%	5851	-12%	8163	27%	9387	35%	31426	21%
Total:	28126	31194	28673	31612	119605	32864	17%	23435	-25%	29128	2%	34423	9%	119850	0%

When looking at the regional summary chart, it is clear that the COVID-19 pandemic had a negative affect on quarter 2 for Pharmacy Technicians. However, unlike the Pharmacist Professional, Q3 and Q4 both showed growth when compared to 2019.

Largest Growth in Clinical Pharmacists Postings

State	2019 Postings	2019 Postings Quotient	2020 Postings	2020 Postings Quotient	Postings Quotient Change
New Hampshire	35	12.59	114	39.15	211%
Iowa	82	7.12	90	14.18	99%
Idaho	50	20.84	139	34.05	63%
Maine	30	13.13	46	20.00	52%
Puerto Rico	8	1.50	12	2.25	50%
Texas	749	15.99	816	22.88	43%
North Dakota	13	5.76	18	7.71	34%
Delaware	35	15.85	51	21.12	33%
Ohio	339	16.66	459	21.88	31%
Missouri	209	19.41	283	25.00	29%

The Clinical Pharmacist position was the only occupation, along with Retail Pharmacists, in the PDR that saw growth in 2020. Overall, there was a total of 10,362 postings. When compared to the 10,137 postings in 2019, that is a growth of 2.22%. In total, 38 states had growth, one state remained the same, and 23 states saw a loss.

Greatest Loss in Hospital Pharmacists Profession Postings

State	2019 Postings	2019 Postings Quotient	2020 Postings	2020 Postings Quotient	Postings Quotient Change
District of Colu	5	2.65	0	0.00	-100%
South Dakota	7	3.37	0	0.00	-100%
Hawaii	20	7.24	2	0.82	-89%
West Virginia	5	1.05	1	0.18	-83%
Idaho	9	3.75	3	0.73	-80%
Wyoming	8	5.69	2	1.39	-76%
Oregon	75	9.35	23	2.71	-71%
Ohio	189	9.29	63	3.00	-68%
Wisconsin	96	16.46	49	5.48	-67%
Missouri	80	7.43	30	2.65	-64%

The Hospital Pharmacist position saw the highest loss in 2020 in regards to growth. Overall, there was a total of 2,192 postings. When compared to the 3,501 postings in 2019, that is a loss of 37.39%. In total, 36 states had a loss and 16 states had growth.

Largest Growth in Pharmacist Profession Postings

State	2019 Postings	2019 Postings Quotient	2020 Postings	2020 Postings Quotient	Postings Quotient Change
New Hampshire	170	58.38	333	114.35	96%
Vermont	77	62.55	119	96.67	55%
Delaware	118	48.86	178	73.71	51%
Maryland	585	47.84	750	61.33	28%
Idaho	261	63.94	334	81.82	28%
Indiana	906	78.80	1123	97.68	24%
Maine	128	55.65	152	66.09	19%
Rhode Island	239	109.38	282	129.06	18%
Pennsylvania	1794	72.97	2054	83.54	14%
Nebraska	280	50.96	319	58.05	14%

Greatest Loss in Pharmacist Profession Postings

State	2019 Postings	2019 Postings Quotient	2020 Postings	2020 Postings Quotient	Postings Quotient Change
Alabama	759	73.44	466	45.09	-39%
Kansas	532	73.54	348	48.11	-35%
California	7128	148.73	5195	108.40	-27%
Oregon	588	69.27	435	51.25	-26%
Montana	234	110.85	181	85.74	-23%
Wyoming	73	50.66	58	40.25	-21%
Utah	260	63.51	209	51.05	-20%
Oklahoma	558	71.19	452	57.67	-19%
Michigan	1546	93.23	1257	75.81	-19%
Alaska	206	205.59	168	167.66	-18%

Overall, the Pharmacist Profession saw growth in 25 states, a loss in 27 states.

State	Clinical Pharmacist		Hospital Pharmacist		Other Pharmacist Occupations		Pharmacy Director		Retail Pharmacist		All Pharmacist Positions		Pharmacy Technician	
	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020
Alabama	119	75	19	8	60	29	35	13	526	341	759	466	1376	1182
Alaska	44	38	42	15	12	8	13	14	95	93	206	168	217	207
Arizona	304	267	86	91	136	118	107	64	802	922	1435	1462	3984	7458
Arkansas	56	67	24	15	43	57	23	18	174	189	320	346	584	630
California	1469	1238	904	369	831	585	714	451	3210	2552	7128	5195	10985	12874
Colorado	330	281	58	42	162	118	58	55	390	355	998	851	2522	2898
Connecticut	156	195	41	23	101	84	39	31	325	315	662	648	1162	1332
Delaware	35	51	9	10	11	13	7	7	56	97	118	178	311	268
District of Columbia	60	69	5	0	20	22	18	25	50	43	153	159	279	269
Florida	837	898	81	94	350	300	109	110	1275	1457	2652	2859	7018	7553
Georgia	281	286	94	63	153	141	81	43	755	761	1364	1294	3251	2847
Hawaii	32	19	20	2	9	7	2	3	62	106	125	137	389	321
Idaho	50	139	9	3	46	33	13	21	143	138	261	334	552	617
Illinois	383	344	88	75	271	150	120	78	717	666	1579	1313	4956	4346
Indiana	176	176	15	39	133	154	53	26	529	728	906	1123	2971	2902
Iowa	82	90	13	9	46	29	30	13	241	275	412	416	1161	1068
Kansas	120	109	21	30	115	45	18	12	258	152	532	348	1297	1055
Kentucky	183	184	21	32	74	64	113	77	384	325	775	682	2044	1941
Louisiana	127	134	118	77	115	36	64	36	373	379	797	662	1501	1502
Maine	30	46	21	13	21	15	8	5	48	73	128	152	602	403
Maryland	148	180	29	39	64	79	46	15	298	437	585	750	2332	2025
Massachusetts	296	329	35	36	234	198	60	54	562	585	1187	1202	3723	3386
Michigan	394	297	54	83	267	240	140	63	691	574	1546	1257	6121	5009
Minnesota	212	176	90	45	105	106	69	36	424	401	900	764	2969	2357
Mississippi	46	58	6	11	10	8	14	14	202	210	278	301	782	666
Missouri	209	283	80	30	107	99	69	35	404	461	869	908	2266	2079
Montana	35	35	4	5	38	15	22	20	135	106	234	181	300	326
Nebraska	51	52	38	50	29	28	22	11	140	178	280	319	788	807
Nevada	157	155	80	41	64	63	69	48	234	228	604	535	877	1091
New Hampshire	35	114	3	3	12	33	7	17	113	166	170	333	864	1114
New Jersey	197	245	100	74	253	218	81	34	684	648	1315	1219	3695	3502
New Mexico	60	45	34	45	55	33	19	20	142	130	310	273	561	513
New York	297	326	130	60	288	225	112	86	1033	1376	1860	2073	4699	4487
North Carolina	266	348	126	56	149	132	91	76	606	642	1238	1254	3561	3392
North Dakota	13	18	8	4	9	23	5	16	106	67	141	128	208	124
Ohio	339	459	189	63	267	341	125	92	680	696	1600	1651	5854	6587
Oklahoma	89	62	64	38	49	45	38	16	318	291	558	452	993	1059
Oregon	112	73	75	23	74	45	51	33	276	261	588	435	1676	1249
Pennsylvania	426	396	98	127	208	223	56	89	1006	1219	1794	2054	5640	4685
Puerto Rico	8	12	0	1	4	2	2	4	82	89	96	108	114	118
Rhode Island	63	80	21	12	19	24	19	11	117	155	239	282	491	404
South Carolina	111	130	28	23	69	38	24	30	341	348	573	569	1327	1264
South Dakota	21	20	7	0	9	17	5	2	29	33	71	72	174	184
Tennessee	242	275	17	17	98	86	70	53	416	403	843	834	2974	2435
Texas	749	816	230	129	345	325	304	222	1440	1551	3068	3043	9284	10237
Utah	109	65	7	11	45	26	8	20	91	87	260	209	1008	1117
Vermont	15	6	4	2	3	10	4	1	51	100	77	119	240	184
Virginia	196	228	34	20	104	84	109	49	602	541	1045	922	3021	2461
Washington	190	175	112	82	138	91	99	50	479	542	1018	940	2789	2669
West Virginia	36	52	5	1	14	11	26	22	137	125	218	211	658	370
Wisconsin	134	138	96	49	89	54	46	42	369	477	734	760	2454	2308
Wyoming	7	8	8	2	5	3	4	7	49	38	73	58	114	86
Total:	10137	10362	3501	2192	5933	4933	3441	2390	22670	23132	45682	43009	119719	119968
		2%		-37%		-17%		-31%		2%		-6%		0%

State	Clinical Pharmacist			Hospital Pharmacist			Other Pharmacist Occupations			Pharmacy Director			Retail Pharmacist			All Pharmacist Positions			Pharmacy Technician		
	Postings Quotient			Postings Quotient			Postings Quotient			Postings Quotient			Postings Quotient			Postings Quotient					
	2019	2020	Change	2019	2020	Change	2019	2020	Change	2019	2020	Change	2019	2020	Change	2019	2020	Change	2019	2020	Change
Alabama	12.42	7.26	-42%	8.70	3.66	-58%	6.26	2.81	-55%	3.65	1.26	-66%	54.90	32.99	-40%	73.44	45.09	-39%	202.65	174.08	-14%
Alaska	40.63	37.92	-7%	38.78	14.97	-61%	11.08	7.98	-28%	12.00	13.97	16%	87.72	92.81	6%	205.59	167.66	-18%	355.74	339.34	-5%
Arizona	26.52	22.16	-16%	7.50	7.55	1%	11.87	9.79	-17%	9.34	5.31	-43%	69.98	76.51	9%	119.08	121.32	2%	430.70	806.27	87%
Arkansas	9.08	10.24	13%	3.89	2.29	-41%	6.97	8.72	25%	3.73	2.75	-26%	28.21	28.90	2%	48.93	52.91	8%	127.79	137.86	8%
California	32.74	25.83	-21%	20.15	7.70	-62%	18.52	12.21	-34%	15.91	9.41	-41%	71.55	53.25	-26%	148.73	108.40	-27%	304.29	356.62	17%
Colorado	39.52	31.82	-19%	6.95	4.76	-32%	19.40	13.36	-31%	6.95	6.23	-10%	46.70	40.19	-14%	113.00	96.35	-15%	441.68	507.53	15%
Connecticut	28.13	35.17	25%	7.39	4.15	-44%	18.21	15.15	-17%	7.03	5.59	-21%	58.61	56.81	-3%	119.39	116.86	-2%	307.41	352.38	15%
Delaware	15.85	21.12	33%	4.08	4.14	2%	4.98	5.38	8%	3.17	2.90	-9%	25.36	40.17	58%	48.86	73.71	51%	244.88	211.02	-14%
District of Columbia	31.81	33.74	6%	2.65	0.00	-100%	10.60	10.76	1%	9.54	12.22	28%	26.51	21.03	-21%	74.82	77.75	4%	422.73	407.58	-4%
Florida	22.40	26.29	17%	2.17	2.75	27%	9.37	8.78	-6%	2.92	3.22	10%	34.12	42.66	25%	77.64	83.70	8%	235.19	253.12	8%
Georgia	18.47	18.80	2%	6.18	4.14	-33%	10.06	9.27	-8%	5.32	2.83	-47%	49.62	50.01	1%	89.64	85.04	-5%	287.95	252.17	-12%
Hawaii	11.58	7.75	-33%	7.24	0.82	-89%	3.26	2.86	-12%	0.72	1.22	69%	22.44	43.25	93%	51.00	55.90	10%	210.27	173.51	-17%
Idaho	20.84	34.05	63%	3.75	0.73	-80%	19.17	8.08	-58%	5.42	5.14	-5%	59.61	33.81	-43%	63.94	81.82	28%	244.25	273.01	12%
Illinois	21.06	18.65	-11%	4.84	4.07	-16%	14.90	8.13	-45%	6.60	4.23	-36%	39.43	36.11	-8%	85.60	71.18	-17%	249.30	218.61	-12%
Indiana	16.27	15.31	-6%	1.39	3.39	145%	12.30	13.39	9%	4.90	2.26	-54%	48.90	63.32	29%	78.80	97.68	24%	303.47	296.42	-2%
Iowa	7.12	14.18	99%	1.13	1.42	26%	3.99	4.57	14%	2.60	2.05	-21%	20.92	43.31	107%	64.89	65.52	1%	298.46	274.55	-8%
Kansas	18.37	15.07	-18%	3.21	4.15	29%	17.60	6.22	-65%	2.76	1.66	-40%	39.49	21.01	-47%	73.54	48.11	-35%	303.04	246.50	-19%
Kentucky	18.51	17.09	-8%	2.12	2.97	40%	7.48	5.94	-21%	11.43	7.15	-37%	38.83	30.18	-22%	71.98	63.34	-12%	200.20	190.11	-5%
Louisiana	14.46	14.57	1%	13.44	8.37	-38%	13.10	3.91	-70%	7.29	3.91	-46%	42.48	41.20	-3%	86.63	71.96	-17%	250.58	250.75	0%
Maine	13.13	20.00	52%	9.19	5.65	-39%	9.19	6.52	-29%	3.50	2.17	-38%	21.02	31.74	51%	55.65	66.09	19%	264.04	176.75	-33%
Maryland	12.65	14.72	16%	2.48	3.19	29%	5.47	6.46	18%	3.93	1.23	-69%	25.47	35.74	40%	47.84	61.33	28%	336.02	291.79	-13%
Massachusetts	22.32	23.61	6%	2.64	2.58	-2%	17.65	14.21	-19%	4.53	3.87	-14%	42.39	41.98	-1%	85.18	86.25	1%	425.97	387.41	-9%
Michigan	25.07	17.91	-29%	3.44	5.01	46%	16.99	14.47	-15%	8.91	3.80	-57%	43.96	34.62	-21%	93.23	75.81	-19%	437.53	358.04	-18%
Minnesota	23.79	19.48	-18%	10.10	4.98	-51%	11.78	11.73	0%	7.74	3.99	-49%	47.58	44.39	-7%	99.63	84.58	-15%	368.82	292.80	-21%
Mississippi	7.41	9.12	23%	0.97	1.73	79%	1.61	1.26	-22%	2.25	2.20	-2%	32.52	33.03	2%	43.73	47.35	8%	218.44	186.03	-15%
Missouri	19.41	25.00	29%	7.43	2.65	-64%	9.94	8.75	-12%	6.41	3.09	-52%	37.51	40.72	9%	76.77	80.21	4%	225.92	207.28	-8%
Montana	16.63	16.58	0%	1.90	2.37	25%	18.06	7.11	-61%	10.46	9.47	-9%	64.16	50.21	-22%	110.85	85.74	-23%	250.00	271.67	9%
Nebraska	9.89	9.46	-4%	7.37	9.10	24%	5.62	5.10	-9%	4.27	2.00	-53%	27.14	32.39	19%	50.96	58.05	14%	310.24	317.72	2%
Nevada	20.33	20.08	-1%	10.36	5.31	-49%	8.29	8.16	-2%	8.94	6.22	-30%	30.31	29.53	-3%	78.23	69.29	-11%	208.31	259.14	24%
New Hampshire	12.59	39.15	211%	1.08	1.03	-5%	4.32	11.33	163%	2.52	5.84	132%	40.65	57.01	40%	58.38	114.35	96%	459.57	592.55	29%
New Jersey	11.16	13.60	22%	5.66	4.11	-27%	14.33	12.10	-16%	4.59	1.89	-59%	38.74	35.96	-7%	72.98	67.65	-7%	355.29	336.73	-5%
New Mexico	19.82	14.68	-26%	11.23	14.68	31%	18.17	10.77	-41%	6.28	6.53	4%	46.91	42.41	-10%	101.14	89.07	-12%	225.30	206.02	-9%
New York	10.95	12.02	10%	4.79	2.21	-54%	10.62	8.30	-22%	4.13	3.17	-23%	38.10	50.75	33%	68.60	76.46	11%	247.71	236.53	-5%
North Carolina	16.10	20.46	27%	7.63	3.29	-57%	9.02	7.76	-14%	5.51	4.47	-19%	36.69	37.74	3%	72.78	73.73	1%	259.74	247.41	-5%
North Dakota	5.76	7.71	34%	3.54	1.71	-52%	3.99	9.85	147%	2.22	6.85	209%	46.96	28.68	-39%	60.36	54.79	-9%	236.36	140.91	-40%
Ohio	16.66	21.88	31%	9.29	3.00	-68%	13.12	16.25	24%	6.14	4.39	-29%	33.42	33.18	-1%	76.27	78.70	3%	342.54	385.43	13%
Oklahoma	12.58	7.91	-37%	9.05	4.85	-46%	6.93	5.74	-17%	5.37	2.04	-62%	44.95	37.13	-17%	71.19	57.67	-19%	203.90	217.45	7%
Oregon	13.97	8.60	-38%	9.35	2.71	-71%	9.23	5.30	-43%	6.36	3.89	-39%	34.42	30.75	-11%	69.27	51.25	-26%	333.86	248.80	-25%
Pennsylvania	18.70	16.11	-14%	4.30	5.17	20%	9.13	9.07	-1%	2.46	3.62	47%	44.16	49.58	12%	72.97	83.54	14%	298.41	247.88	-17%
Puerto Rico	1.50	2.25	50%	0.00	0.19	#DIV/0!	0.75	0.37	-50%	0.37	0.75	100%	15.36	16.67	9%	17.98	20.22	13%	21.51	22.26	4%
Rhode Island	28.83	36.61	27%	9.61	5.49	-43%	8.70	10.98	26%	8.70	5.03	-42%	53.55	70.94	32%	109.38	129.06	18%	277.40	228.25	-18%
South Carolina	12.27	13.74	12%	3.10	2.43	-21%	7.63	4.02	-47%	2.65	3.17	20%	37.70	36.79	-2%	60.58	60.16	-1%	205.10	195.36	-5%
South Dakota	10.10	9.78	-3%	3.37	0.00	-100%	4.33	8.31	92%	2.40	0.98	-59%	13.94	16.13	16%	34.70	35.19	1%	134.88	142.64	6%
Tennessee	19.87	21.90	10%	1.40	1.35	-3%	8.05	6.85	-15%	5.75	4.22	-27%	34.15	32.10	-6%	67.14	66.42	-1%	265.77	217.61	-18%
Texas	15.99	22.88	43%	4.91	3.62	-26%	7.37	9.11	24%	6.49	6.22	-4%	30.75	43.48	41%	86.01	85.31	-1%	253.04	279.01	10%
Utah	33.33	15.88	-52%	2.14	2.69	26%	13.76	6.35	-54%	2.45	4.89	100%	27.83	21.25	-24%	63.51	51.05	-20%	248.28	275.12	11%
Vermont	12.71	4.87	-62%	3.39	1.62	-52%	2.54	8.12	220%	3.39	0.81	-76%	43.22	81.23	88%	62.55	96.67	55%	342.86	262.86	-23%
Virginia	13.09	14.60	12%	2.27	1.28	-44%	6.94	5.38	-23%	7.28	3.14	-57%	40.20	34.64	-14%	66.92	59.04	-12%	315.02	256.62	-19%
Washington	18.11	15.95	-12%	10.68	7.48	-30%	13.16	8.30	-37%	9.44	4.56	-52%	45.66	49.41	8%	92.81	85.70	-8%	360.34	344.83	-4%
West Virginia	7.53	9.42	25%	1.05	0.18	-83%	2.93	1.99	-32%	5.44	3.98	-27%	28.66	22.64	-21%	39.48	38.21	-3%	209.55	117.83	-44%
Wisconsin	22.97	15.43	-33%	16.46	5.48	-67%	15.26	6.04	-60%	7.88	4.70	-40%	63.25	53.34	-16%	82.08	84.99	4%	296.02	278.41	-6%
Wyoming	4.98	5.55	12%	5.69	1.39	-76%	3.55	2.08	-41%	2.84	4.86	71%	34.83	26.37	-24%	50.66	40.25	-21%	203.57	153.57	-25%