

CRITICAL VACANCIES sorted by Standard Occupational Code

**Critical Occupations - Clustered by SOC (Occupations)**  
**Occupations with Vacancies:(a) last two surveys (2004Q4 and 2004Q2) Greater than 200, (b) Average > 300,**  
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	Quarter or Month>	Q 4	Q 2	Q 4	Q 2	Q 4		Q 4		May	May
SOC Code	Standard Occupational Classification (SOC) Title	Estimated Vacancies	Estimated Vacancies	Estimated Vacancies	Estimated Vacancies	Estimated Vacancies	Average No. of Vacancies when Vacancies>= 50	Vacancy Rate	Educational Requirements	Estimated Employment	Median Annual Salary
	Source of Data>	JVS	JVS	JVS	JVS	JVS	Calculated	Calculated	BLS	OES	OES
<b>43-0000</b>	<b>Office and Administrative Support</b>										
43-4051	Customer service representatives	1048	679	449	818	1215	842	2.4%	Moderate-term on-the-j	50,290	33,550
43-9061	Office clerks, general	237	477	452	797	1006	594	1.7%	Short-term on-the-job ti	60,130	27,480
43-6011	Executive secretaries and administrative assistants	387	702	1452	1104	1002	929	2.4%	Moderate-term on-the-j	42,620	40,480
43-3031	Bookkeeping, accounting, and auditing clerks	451	492	460	174	603	436	1.3%	Moderate-term on-the-j	44,880	33,590
43-3071	Tellers	594	693	482	422	589	556	4.0%	Short-term on-the-job ti	14,690	23,300
43-5052	Postal service mail carriers	#N/A	#N/A	80	#N/A	487	284	5.2%	Short-term on-the-job ti	9,380	46,210
43-1011	First-line supervisors/managers of office and administrative support workers	202	250	212	358	481	301	1.6%	Work experience in a re	30,060	46,660
43-4171	Receptionists and information clerks	174	715	619	549	457	503	2.0%	Short-term on-the-job ti	23,270	25,020
43-4199	All other information and record clerks	#N/A	131	400	#N/A	391	307	8.9%	#N/A	4,400	36,270
43-3021	Billing and posting clerks and machine operators	99	69	202	127	362	172	2.7%	Moderate-term on-the-j	13,510	30,960
43-4081	Hotel, motel, and resort desk clerks	#N/A	#N/A	84	268	324	225	10.2%	Short-term on-the-job ti	3,180	22,790
43-6013	Medical secretaries	74	143	197	166	304	177	1.8%	Postsecondary vocatio	17,250	31,840
43-3011	Bill and account collectors	179	251	147	214	57	170	0.7%	Short-term on-the-job ti	8,520	31,620
	<b>Sub-total Office and Administrative</b>					<b>7,278</b>					
<b>29-0000</b>	<b>Healthcare Practitioners &amp; Technical</b>										
29-1111	Registered nurses	2972	3158	3501	3571	3797	3400	5.1%	Associate degree	75,060	61,450
29-2061	Licensed practical and licensed vocational nurses	1206	1268	1520	1130	974	1220	5.6%	Postsecondary vocatio	17,240	42,900
29-2034	Radiologic technologists and technicians	211	162	289	232	348	248	7.2%	Associate degree	4,850	55,460
29-2041	Emergency medical technicians and paramedics	#N/A	319	237	53	257	217	5.0%	Postsecondary vocatio	5,150	30,850
29-2011	Medical and clinical laboratory technologists	108	94	145	113	256	143	5.3%	Bachelor's degree	4,810	50,460
29-1123	Physical therapists	221	276	187	275	252	242	4.5%	Master's degree	5,580	57,870
29-1127	Speech-language pathologist:	#N/A	112	84	111	211	130	7.6%	Master's degree	2,780	56,330
29-1126	Respiratory therapists	#N/A	57	108	130	125	105	6.8%	Associate degree	1,830	48,780
29-2032	Diagnostic medical sonographers	57	#N/A	75	50	103	71	12.0%	Associate degree	860	63,950
	<b>Sub-total Healthcare Practitioners &amp; Technical</b>					<b>6,323</b>					

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<b>53-0000</b>	<b>Transport &amp; Material Moving</b>										
53-7062	Laborers and freight, stock, and material movers, hand	782	1131	822	709	1073	903	2.5%	Short-term on-the-job training	42,720	22,410
53-3032	Truck drivers, heavy and tractor-trailer	123	938	341	805	776	597	3.3%	Moderate-term on-the-job training	23,870	38,900
53-3033	Truck drivers, light or delivery services	354	289	1564	304	491	600	2.4%	Short-term on-the-job training	20,640	29,410
53-3022	Bus drivers, school	#N/A	242	57	112	227	160	1.8%	Short-term on-the-job training	12,570	28,140
53-3011	Ambulance drivers and attendants, except emergency medical technicians	#N/A	#N/A	62	#N/A	152	107	33.0%	Moderate-term on-the-job training	460	25,830
53-7061	Cleaners of vehicles and equipment	#N/A	62	#N/A	318	116	165	2.3%	Short-term on-the-job training	5,000	22,500
53-3021	Bus drivers, transit and intercity	#N/A	81	165	241	78	141	1.9%	Moderate-term on-the-job training	4,210	29,220
	<b>Sub-total Transport &amp; Material Moving</b>					<b>3,045</b>					
<b>11-0000</b>	<b>Management</b>										
11-2022	Sales managers	488	252	244	346	609	388	5.3%	Bachelor's plus experience	11,570	92,410
11-3031	Financial managers	254	195	359	398	503	342	2.5%	Bachelor's plus experience	19,870	87,510
11-9199	Managers, all other	121	95	144	127	278	153	2.9%	Work experience in a related occupation	9,490	79,210
11-9111	Medical and health services managers	196	187	126	259	263	206	3.7%	Bachelor's plus experience	7,190	72,940
11-3021	Computer and information systems managers	66	134	74	156	259	138	2.3%	Bachelor's plus experience	11,330	98,120
11-1011	Chief executives	#N/A	237	125	72	215	162	1.0%	Bachelor's plus experience	20,890	N/A
11-2031	Public relations managers	#N/A	83	110	113	156	116	7.3%	Bachelor's plus experience	2,150	80,600
11-9039	Education administrators, all other	191	#N/A	#N/A	#N/A	94	143	9.9%	Bachelor's plus experience	950	67,220
11-9121	Natural sciences managers	62	50	62	51	66	58	7.1%	Bachelor's plus experience	930	114,440
	<b>Sub-total Management</b>					<b>2,443</b>					
<b>13-0000</b>	<b>Business &amp; Financial Operations</b>										
13-2011	Accountants and auditors	233	257	841	698	1050	616	4.0%	Bachelor's degree	26,150	52,410
13-1111	Management analysts	#N/A	176	156	323	541	299	3.8%	Bachelor's plus experience	14,380	74,390
13-1199	Business operations specialists, all other	105	91	144	250	409	200	2.3%	#N/A	17,500	57,630
	<b>Sub-total Business &amp; Financial Operations</b>					<b>2,000</b>					

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<b>15-0000</b>	<b>Computer and Mathematical</b>										
15-1031	Computer software engineers, applications	218	*	374	1128	1065	696	5.1%	Bachelor's degree	20,980	86,270
15-1032	Computer software engineers, systems software	133	179	190	183	298	197	1.7%	Bachelor's degree	17,950	87,010
15-1051	Computer systems analysts	220	112	220	271	403	245	2.6%	Bachelor's degree	15,450	69,080
15-1071	Network and computer systems administrators	#N/A	137	90	229	197	163	2.4%	Bachelor's degree	8,070	64,980
	<b>Sub-total Computer and Mathematical</b>					<b>1,963</b>					
<b>21-0000</b>	<b>Community and Social Services</b>										
21-1093	Social and human service assistants	126	76	753	425	1569	590	12.2%	Moderate-term on-the-j	12,810	26,480
21-1019	Counselors, all other	117	71	220	100	226	147	83.7%	#N/A	270	34,430
	<b>Sub-total Community and Social Services</b>					<b>1,795</b>					
<b>31-0000</b>	<b>Healthcare Support</b>										
31-1012	Nursing aides, orderlies, and attendants	1891	1345	2055	2165	1339	1759	3.1%	Short-term on-the-job tr	43,720	25,590
31-9099	Healthcare support workers, all other	554	216	385	306	183	329	N/A	Short-term on-the-job tr	N/A	28,960
31-1011	Home health aides	417	378	417	231	131	315	1.1%	Short-term on-the-job tr	12,300	22,750
31-2021	Physical therapist assistants	#N/A	148	55	106	88	99	4.9%	Associate degree	1,780	40,200
	<b>Sub-total Healthcare Support</b>					<b>1,741</b>					
<b>47-0000</b>	<b>Construction</b>										
47-2152	Plumbers, pipefitters, and steamfitters	211	53	315	267	385	246	3.3%	Long-term on-the-job tr	11,830	50,240
47-2031	Carpenters	#N/A	878	466	815	337	624	1.8%	Long-term on-the-job tr	18,420	44,810
47-2061	Construction laborers	164	326	183	226	252	230	1.5%	Moderate-term on-the-j	16,500	40,300
47-2111	Electricians	#N/A	357	439	109	251	289	2.0%	Long-term on-the-job tr	12,760	52,910
47-2181	Roofers	61	75	#N/A	#N/A	202	113	10.9%	Moderate-term on-the-j	1,850	39,660
47-2141	Painters, construction and maintenance	#N/A	254	#N/A	292	170	239	3.2%	Moderate-term on-the-j	5,320	34,680
47-3012	Helpers--carpenters	#N/A	#N/A	223	#N/A	119	171	8.4%	Short-term on-the-job tr	1,410	28,610
	<b>Sub-total Construction</b>					<b>1,716</b>					

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<b>41-0000</b>	<b>Sales</b>										
41-9041	Telemarketers	123	129	87	97	629	213	10.9%	Short-term on-the-job tr	5,760	26,310
41-9099	Sales and related workers, all other	152	#N/A	#N/A	136	308	199	8.6%	#N/A	3,590	42,090
41-3099	Sales representatives, services, all other	200	83	224	269	251	205	4.1%	#N/A	6,140	52,290
41-1011	First-line supervisors/managers of retail sales workers	649	435	510	297	131	404	0.5%	Work experience in a re	26,170	36,590
	<b>Sub-total Sales (reps/first-line)</b>					<b>1,319</b>					
<b>49-0000</b>	<b>Installation, Maintenance &amp; Repair</b>										
49-3031	Bus and truck mechanics and diesel engine specialists	#N/A	55	68	118	320	140	9.4%	Postsecondary vocatio	3,420	42,570
49-3021	Automotive body and related repairers	134	204	134	204	275	190	5.9%	Long-term on-the-job tr	4,650	38,360
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	106	298	327	323	268	264	4.5%	Long-term on-the-job tr	5,900	44,820
49-3023	Automotive service technicians and mechanics	337	430	284	328	213	318	1.3%	Postsecondary vocatio	16,090	36,570
49-9042	Maintenance and repair workers, general	205	87	136	191	206	165	0.9%	Moderate-term on-the-j	22,860	34,960
	<b>Sub-total Installation, Maintenance &amp; Repair</b>					<b>1,282</b>					
<b>19-0000</b>	<b>Life, Physical, and Social Science</b>										
19-3021	Market Research Analysts	150	199	227	181	377	227	#N/A	Bachelor's Degree	#N/A	#N/A
19-1042	Medical scientists, except epidemiologists	107	250	146	71	348	184	5.9%	Doctoral degree	5,860	57,560
19-1021	Biochemists and biophysicists	#N/A	#N/A	79	59	156	98	17.5%	Doctoral degree	890	81,040
19-2041	Environmental scientists and specialists, including health	#N/A	#N/A	68	52	114	78	5.6%	Master's degree	2,050	60,560
19-4099	Life, physical, and social science technicians, all other	90	142	#N/A	188	114	134	5.2%	#N/A	2,180	38,850
	<b>Sub-total Life, Physical, and Social Science</b>					<b>1,109</b>					
<b>33-0000</b>	<b>Protective Service</b>										
33-3051	Police and sheriff's patrol officers	#N/A	#N/A	101	189	467	252	3.1%	Long-term on-the-job tr	14,960	46,160
33-9032	Security guards	966	838	682	405	452	669	2.0%	Short-term on-the-job tr	22,570	22,960
	<b>Sub-total Protective Service</b>					<b>919</b>					

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<b>25-0000</b>	<b>Education, Training</b>										
25-9041	Teacher assistants	441	280	234	569	387	382	1.3%	Short-term on-the-job tr	30,960	23,040
25-1199	Postsecondary teachers, all other	52	#N/A	285	361	261	240	5.7%	#N/A	4,540	56,130
25-2021	Elementary school teachers, except special education	#N/A	#N/A	#N/A	307	156	232	0.5%	Bachelor's degree	32,020	53,020
25-2031	Secondary school teachers, except special and vocational education	#N/A	#N/A	79	522	62	221	0.2%	Bachelor's degree	25,040	53,400
	<b>Sub-total Education, Training</b>					<b>866</b>					
<b>17-0000</b>	<b>Engineering</b>										
17-2199	Engineers, all other	127	125	97	229	284	172	7.6%	Bachelor's degree	3,740	72,120
17-2112	Industrial engineers	69	113	145	285	239	170	3.8%	Bachelor's degree	6,210	69,920
17-2071	Electrical engineers	79	135	121	112	226	135	3.2%	Bachelor's degree	7,010	78,870
	<b>Sub-total Engineering</b>					<b>749</b>					
<b>37-0000</b>	<b>Building &amp; Grounds Cleaning and Maintenance</b>										
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	253	333	279	212	314	278	0.6%	Short-term on-the-job tr	56,770	23,370
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	108	108	124	298	63	140	1.2%	Work experience in a re	5,450	34,130
	<b>Sub-total Building &amp; Grounds Cleaning and Maintenance</b>					<b>377</b>					
<b>51-0000</b>	<b>Production</b>										
51-2099	Assemblers and fabricators, all other	264	352	77	414	158	253	4.1%	Moderate-term on-the-j	3,890	23,720
51-4041	Machinists	#N/A	124	119	311	117	168	1.4%	Long-term on-the-job tr	8,330	39,110
51-9199	Production workers, all other	168	135	144	207	65	144	3.8%	Moderate-term on-the-j	1,700	27,580
	<b>Sub-total Production</b>					<b>340</b>					
<b>35-0000</b>	<b>Food Preparation &amp; Serving</b>										
35-1012	First Line Supervisors of Food Prep and Serving Workers	330	438	166	296	318	310	#N/A	Work experience in a re	#N/A	#N/A
<b>39-0000</b>	<b>Personal Services</b>										
39-5012	Hairdressers, hairstylists, and cosmetologists	296	807	419	433	175	426	1.9%	Postsecondary vocation	9,170	23,270
39-9032	Recreation workers	79	207	82	390	55	163	0.8%	Bachelor's degree	7,080	23,010
	<b>Sub-total Personal Services</b>					<b>230</b>					

