PENNSYLVANIA OCCUPATIONAL WAGES
LEHIGH COUNTY LABOR MARKET AREA

MAY 2012

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SOC Code	Occupational Title	Educ. Level	Area Type	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
00-0000	**Total, All Occupations**	**#**	**CTY**	**22.51**	**46,810**	**36,210**	**21,370**	**59,530**	**24,570**	**to**	**56,890**
11-0000	**Management Occupations**	**#**	**CTY**	**54.61**	**113,590**	**98,460**	**58,910**	**140,930**	**71,510**	**to**	**139,470**
11-1011	Chief Executives	BD+	CTY	86.38	179,670	161,800	105,010	217,000	122,830	to	#
11-1021	General & Operations Managers	AD+	CTY	53.41	111,090	92,480	53,480	139,900	64,190	to	138,510
11-2011	Advertising & Promotions Managers	BD+	CTY	60.47	125,780	113,490	73,640	151,840	85,070	to	141,460
11-2021	Marketing Managers	BD+	CTY	91.93	191,220	#	103,870	234,900	128,310	to	#
11-2022	Sales Managers	BD+	CTY	53.35	110,970	105,550	66,650	133,130	76,790	to	140,880
11-2031	Public Relations & Fundraising Managers	BD+	CTY	63.22	131,500	128,000	72,230	161,130	84,570	to	146,390
11-3011	Administrative Services Managers	WK EXP	CTY	49.10	102,140	93,100	58,780	123,820	71,700	to	118,190
11-3021	Computer & Information Systems Managers	BD+	CTY	54.10	112,520	100,540	70,880	133,340	79,320	to	138,580
11-3031	Financial Managers	BD+	CTY	55.01	114,420	107,010	70,490	136,380	83,160	to	130,580
11-3051	Industrial Production Managers	BD+	CTY	49.40	102,750	91,810	62,290	122,980	69,620	to	132,860
11-3061	Purchasing Managers	BD+	CTY	62.34	129,670	122,960	77,790	155,610	91,930	to	156,670
11-3071	Transportation, Storage & Distribution Managers	WK EXP	CTY	40.78	84,830	73,200	57,790	98,350	62,710	to	96,840
11-3111	Compensation & Benefits Managers	BD+	CTY	66.27	137,840	132,550	87,460	163,030	106,300	to	164,260
11-3121	Human Resources Managers	BD+	CTY	66.70	138,730	115,960	83,710	166,240	95,270	to	171,160

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MAY 2012

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11-3131	Training & Development Managers	BD+	CTY	54.42	113,200	103,820	77,280	131,160	83,220	to	138,090
11-9013	Farmers, Ranchers & Other Agricultural Managers	WK EXP	PA	38.82	80,740	84,380	72,730	84,740	78,820	to	90,080
11-9021	Construction Managers	AD+	CTY	49.73	103,440	94,360	67,720	121,300	74,910	to	118,930
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	CTY	15.96	33,200	29,170	27,570	36,010	26,850	to	41,120
11-9032	Education Administrators, Elementary & Secondary School	MD+	CTY	*	91,100	89,780	78,050	97,630	80,800	to	101,780
11-9033	Education Administrators, Postsecondary	MD+	CTY	41.83	87,010	75,440	46,200	107,410	53,070	to	109,160
11-9039	Education Administrators, Other	BD+	CTY	56.77	118,080	75,660	58,420	147,920	65,620	to	172,600
11-9041	Architectural & Engineering Managers	BD+	CTY	58.70	122,100	114,360	90,820	137,750	99,000	to	139,290
11-9051	Food Service Managers	WK EXP	CTY	33.30	69,260	55,620	27,990	89,890	29,340	to	92,220
11-9061	Funeral Service Managers	AD	CTY	50.09	104,190	91,470	81,960	115,300	83,040	to	113,680
11-9071	Gaming Managers	PS+	PA	34.34	71,430	65,840	48,460	82,920	52,900	to	84,820
11-9081	Lodging Managers	WK EXP	CTY	31.38	65,270	67,070	50,910	72,460	56,740	to	74,320
11-9111	Medical & Health Services Managers	BD	CTY	44.16	91,850	86,760	62,490	106,530	71,070	to	105,910
11-9121	Natural Sciences Managers	BD+	CTY	69.58	144,740	105,000	70,480	181,860	79,560	to	#
11-9131	Postmasters & Mail Superintendents	WK EXP	CTY	30.60	63,650	64,860	51,320	69,810	56,820	to	71,080
11-9141	Property, Real Estate & Community Association Managers	WK EXP	WIA	45.34	94,320	61,700	36,710	123,120	41,950	to	111,110

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LEHIGH COUNTY LABOR MARKET AREA

MAY 2012

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11-9151	Social & Community Service Managers	BD+	CTY	29.48	61,310	58,260	40,070	71,930	46,260	to	80,320
11-9161	Emergency Management Directors	BD+	MSA	32.79	68,210	61,760	40,900	81,860	48,940	to	84,140
11-9199	Managers, Other	WK EXP	CTY	55.54	115,520	108,560	64,590	140,980	79,260	to	149,090
13-0000	**Business & Financial Operations Occupations**	**#**	**CTY**	**32.32**	**67,220**	**60,690**	**40,990**	**80,330**	**47,200**	**to**	**82,620**
13-1011	Agents & Business Managers of Artists, Performers & Athletes	BD+	CTY	30.27	62,960	64,670	30,410	79,240	33,130	to	74,120
13-1021	Buyers & Purchasing Agents, Farm Products	LT OJT	CTY	32.23	67,040	66,610	46,950	77,080	52,600	to	81,450
13-1022	Wholesale & Retail Buyers	LT OJT	CTY	24.96	51,920	47,920	31,390	62,190	38,620	to	66,280
13-1023	Purchasing Agents	LT OJT	CTY	35.02	72,840	66,540	45,300	86,610	50,900	to	93,370
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	CTY	29.41	61,170	59,450	44,510	69,500	48,610	to	72,440
13-1032	Insurance Appraisers, Auto Damage	PS	PA	28.46	59,190	59,700	47,970	64,800	51,330	to	68,690
13-1041	Compliance Officers	BD	CTY	30.37	63,160	57,860	39,370	75,060	44,740	to	74,460
13-1051	Cost Estimators	BD	CTY	32.77	68,160	66,150	41,050	81,720	47,060	to	87,940
13-1071	Human Resources Specialists	BD	CTY	29.72	61,820	57,200	37,580	73,940	44,300	to	76,630
13-1075	Labor Relations Specialists	BD	CTY	31.04	64,560	57,740	36,350	78,660	45,410	to	85,510
13-1081	Logisticians	BD+	CTY	32.10	66,760	64,860	34,040	83,120	36,300	to	91,140
13-1111	Management Analysts	BD+	CTY	44.87	93,320	84,580	52,520	113,720	58,480	to	112,570

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13-1121	Meeting, Convention & Event Planners	BD	CTY	23.33	48,520	44,750	25,880	59,840	28,800	to	63,540
13-1131	Fundraisers	TBD	CTY	27.07	56,310	55,830	37,750	65,600	42,340	to	69,030
13-1141	Compensation, Benefits & Job Analysis Specialists	BD	CTY	28.55	59,380	55,480	40,460	68,840	44,400	to	71,020
13-1151	Training & Development Specialists	BD	CTY	26.69	55,520	52,950	34,470	66,050	39,410	to	68,890
13-1161	Market Research Analysts & Marketing Specialists	BD	CTY	32.07	66,700	61,390	40,790	79,660	46,320	to	86,680
13-1199	Business Operations Specialists, Other	LT OJT	CTY	34.96	72,710	66,560	38,060	90,040	44,890	to	95,350
13-2011	Accountants & Auditors	BD	CTY	32.84	68,320	61,180	46,520	79,220	50,390	to	75,130
13-2021	Appraisers & Assessors of Real Estate	LT OJT	CTY	26.37	54,840	53,590	37,370	63,580	40,660	to	66,960
13-2031	Budget Analysts	BD	CTY	34.21	71,160	69,640	52,690	80,400	58,690	to	82,750
13-2041	Credit Analysts	BD	CTY	25.76	53,570	45,560	41,870	59,420	41,630	to	62,140
13-2051	Financial Analysts	BD	CTY	40.57	84,380	83,440	60,290	96,430	66,430	to	101,180
13-2052	Personal Financial Advisors	BD	CTY	28.39	59,050	54,760	46,370	65,390	50,280	to	59,250
13-2053	Insurance Underwriters	BD	WIA	36.42	75,750	73,350	46,940	90,150	53,980	to	97,970
13-2061	Financial Examiners	BD	CTY	35.15	73,120	57,820	49,710	84,820	52,370	to	105,850
13-2071	Credit Counselors	BD	CTY	23.65	49,190	45,010	34,690	56,440	37,160	to	55,430
13-2072	Loan Officers	MT OJT	CTY	28.70	59,690	56,620	35,240	71,920	48,100	to	72,500

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13-2081	Tax Examiners & Collectors & Revenue Agents	BD	WIA	25.06	52,130	49,470	30,130	63,130	37,180	to	68,820
13-2082	Tax Preparers	MT OJT	CTY	15.07	31,350	26,350	20,310	36,870	22,010	to	34,600
13-2099	Financial Specialists, Other	BD	CTY	37.12	77,210	72,080	49,040	91,290	53,650	to	97,220
15-0000	**Computer & Mathematical Occupations**	**#**	**CTY**	**38.33**	**79,730**	**74,510**	**44,790**	**97,200**	**52,890**	**to**	**102,770**
15-1111	Computer & Information Research Scientists	PhD	PA	46.91	97,580	91,510	61,970	115,380	70,900	to	118,330
15-1121	Computer Systems Analysts	BD	CTY	37.96	78,950	73,300	52,630	92,120	59,360	to	93,840
15-1122	Information Security Analysts	TBD	CTY	34.25	71,240	68,980	43,580	85,070	47,410	to	94,070
15-1131	Computer Programmers	BD	CTY	41.66	86,660	81,350	51,600	104,180	62,340	to	108,070
15-1132	Software Developers, Applications	BD	CTY	37.91	78,860	75,430	44,980	95,800	50,460	to	101,970
15-1133	Software Developers, Systems Software	BD	CTY	52.68	109,570	110,390	75,920	126,390	88,000	to	134,060
15-1134	Web Developers	TBD	CTY	41.75	86,850	65,800	42,510	109,020	46,790	to	92,140
15-1141	Database Administrators	BD+	CTY	38.21	79,480	76,940	48,140	95,150	55,300	to	101,310
15-1142	Network & Computer Systems Administrators	BD	CTY	34.07	70,860	67,900	48,980	81,790	54,280	to	86,270
15-1143	Computer Network Architects	TBD	CTY	41.80	86,950	85,720	61,480	99,680	68,000	to	108,020
15-1151	Computer User Support Specialists	TBD	CTY	21.00	43,670	42,370	27,700	51,660	32,180	to	52,750
15-1152	Computer Network Support Specialists	TBD	CTY	30.10	62,610	55,720	40,760	73,540	44,720	to	80,610

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15-1199	Computer Occupations, Other	BD	CTY	46.06	95,800	95,210	69,730	108,830	77,080	to	115,320
15-2011	Actuaries	BD+	CTY	62.54	130,090	119,790	71,680	159,300	81,590	to	167,030
15-2021	Mathematicians	MD	PA	48.80	101,510	108,490	55,100	124,720	57,710	to	123,930
15-2031	Operations Research Analysts	BD	CTY	31.51	65,540	57,970	42,980	76,820	45,200	to	80,970
15-2041	Statisticians	MD	CTY	33.25	69,150	68,810	49,160	79,150	55,390	to	82,460
17-0000	**Architecture & Engineering Occupations**	**#**	**CTY**	**40.88**	**85,020**	**78,670**	**51,660**	**101,700**	**59,060**	**to**	**109,350**
17-1011	Architects	BD	CTY	45.58	94,810	87,130	64,660	109,890	72,440	to	104,020
17-1012	Landscape Architects	BD	WIA	43.48	90,430	57,900	45,120	113,090	49,650	to	73,460
17-1021	Cartographers & Photogrammetrists	BD	MSA	25.29	52,590	51,030	38,660	59,560	41,730	to	65,730
17-1022	Surveyors	BD	CTY	29.62	61,600	62,610	47,080	68,860	50,220	to	71,920
17-2011	Aerospace Engineers	BD	PA	41.28	85,870	83,390	64,060	96,770	69,950	to	96,560
17-2021	Agricultural Engineers	BD	PA	32.11	66,780	63,490	44,710	77,820	46,690	to	77,500
17-2031	Biomedical Engineers	BD	CTY	35.97	74,830	71,220	58,800	82,840	63,560	to	83,280
17-2041	Chemical Engineers	BD	CTY	48.67	101,230	103,330	68,470	117,610	79,480	to	121,870
17-2051	Civil Engineers	BD	CTY	33.50	69,670	65,680	52,740	78,140	56,310	to	79,500
17-2061	Computer Hardware Engineers	BD	WIA	52.33	108,840	107,400	76,850	124,830	87,030	to	128,700

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17-2071	Electrical Engineers	BD	CTY	39.68	82,540	77,180	59,830	93,890	64,280	to	101,000
17-2072	Electronics Engineers	BD	CTY	56.38	117,270	121,680	80,060	135,880	97,420	to	142,910
17-2081	Environmental Engineers	BD	CTY	38.56	80,210	72,230	53,100	93,770	56,810	to	105,720
17-2111	Health & Safety Engineers	BD	CTY	49.14	102,210	104,730	68,800	118,910	74,080	to	123,160
17-2112	Industrial Engineers	BD	CTY	43.59	90,670	87,100	62,470	104,780	71,790	to	110,340
17-2121	Marine Engineers & Naval Architects	BD	PA	53.67	111,630	104,950	83,700	125,600	98,270	to	127,980
17-2131	Materials Engineers	BD	WIA	37.25	77,480	74,380	65,410	83,510	67,090	to	86,950
17-2141	Mechanical Engineers	BD	CTY	42.86	89,140	85,630	63,670	101,880	70,220	to	108,340
17-2151	Mining & Geological Engineers	BD	PA	35.96	74,800	76,750	50,770	86,810	56,190	to	91,100
17-2161	Nuclear Engineers	BD	PA	47.25	98,280	98,260	78,130	108,350	84,440	to	113,190
17-2171	Petroleum Engineers	BD	PA	56.66	117,850	97,560	64,080	144,730	72,190	to	140,250
17-2199	Engineers, Other	BD	CTY	50.64	105,320	107,580	73,620	121,170	86,490	to	120,770
17-3011	Architectural & Civil Drafters	AD	CTY	22.78	47,390	47,230	37,100	52,530	40,260	to	55,120
17-3012	Electrical & Electronics Drafters	AD	CTY	25.00	52,000	46,960	42,040	56,990	42,670	to	58,990
17-3013	Mechanical Drafters	AD	CTY	28.58	59,450	53,770	36,850	70,750	41,810	to	70,370
17-3019	Drafters, Other	AD	PA	21.97	45,700	38,390	27,040	55,030	28,950	to	57,420

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17-3021	Aerospace Engineering & Operations Technicians	AD	PA	33.51	69,690	69,310	50,090	79,490	59,700	to	80,060
17-3022	Civil Engineering Technicians	AD	CTY	22.68	47,170	44,370	37,180	52,170	39,050	to	54,100
17-3023	Electrical & Electronic Engineering Technicians	AD	CTY	28.92	60,160	62,060	46,560	66,960	51,810	to	70,330
17-3024	Electro-Mechanical Technicians	AD	PA	22.61	47,030	45,740	34,720	53,180	39,580	to	54,650
17-3025	Environmental Engineering Technicians	AD	CTY	19.38	40,310	40,570	30,500	45,220	33,180	to	45,540
17-3026	Industrial Engineering Technicians	AD	CTY	29.07	60,460	63,380	39,550	70,910	45,490	to	72,120
17-3027	Mechanical Engineering Technicians	AD	CTY	23.16	48,180	50,000	36,410	54,060	40,070	to	56,550
17-3029	Engineering Technicians, Other	AD	CTY	26.13	54,350	56,020	35,290	63,870	43,930	to	67,190
17-3031	Surveying & Mapping Technicians	MT OJT	CTY	20.73	43,120	43,890	32,240	48,560	37,420	to	51,270
19-0000	**Life, Physical & Social Science Occupations**	**#**	**CTY**	**35.98**	**74,840**	**64,630**	**31,440**	**96,540**	**39,580**	**to**	**96,980**
19-1011	Animal Scientists	PhD	PA	25.17	52,350	38,840	35,340	60,850	35,190	to	65,050
19-1012	Food Scientists & Technologists	BD	WIA	31.97	66,500	65,350	47,710	75,890	53,900	to	74,070
19-1013	Soil & Plant Scientists	BD	PA	31.85	66,240	61,660	42,770	77,970	48,000	to	73,750
19-1021	Biochemists & Biophysicists	PhD	WIA	39.09	81,310	82,360	58,230	92,860	64,750	to	92,960
19-1022	Microbiologists	BD	PA	35.15	73,110	63,510	49,890	84,720	53,220	to	82,670
19-1023	Zoologists & Wildlife Biologists	BD	PA	24.75	51,490	49,090	35,630	59,410	40,390	to	60,910

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19-1029	Biological Scientists, Other	PhD	PA	35.79	74,450	71,460	51,790	85,780	59,320	to	85,650
19-1031	Conservation Scientists	BD	WIA	26.21	54,520	47,090	42,950	60,300	42,860	to	69,340
19-1032	Foresters	BD	PA	28.89	60,090	56,740	49,450	65,410	51,610	to	66,210
19-1041	Epidemiologists	MD	PA	37.40	77,790	73,780	54,600	89,390	62,830	to	94,510
19-1042	Medical Scientists	PhD	CTY	32.18	66,930	61,930	45,570	77,610	49,870	to	80,470
19-1099	Life Scientists, Other	BD	PA	32.35	67,290	62,890	52,600	74,630	56,350	to	73,920
19-2012	Physicists	PhD	PA	56.59	117,700	110,570	77,710	137,690	94,360	to	130,240
19-2021	Atmospheric & Space Scientists	BD	PA	40.44	84,120	83,540	53,200	99,580	63,140	to	103,660
19-2031	Chemists	BD	CTY	37.57	78,150	72,940	53,650	90,400	62,390	to	99,970
19-2032	Materials Scientists	BD	PA	38.16	79,370	77,430	58,660	89,730	65,800	to	92,550
19-2041	Environmental Scientists & Specialists	BD	CTY	37.99	79,010	64,760	47,120	94,960	51,500	to	97,700
19-2042	Geoscientists	BD	CTY	31.32	65,160	61,850	49,890	72,790	53,110	to	80,450
19-2043	Hydrologists	MD	PA	40.34	83,910	75,140	60,710	95,500	65,260	to	95,470
19-2099	Physical Scientists, Other	BD	PA	44.38	92,310	96,020	59,170	108,880	69,960	to	113,470
19-3011	Economists	BD	WIA	66.05	137,380	109,360	79,660	166,230	86,420	to	174,120
19-3022	Survey Researchers	BD	PA	14.92	31,040	26,930	17,630	37,740	19,190	to	36,900

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19-3031	Clinical, Counseling & School Psychologists	PhD	CTY	63.40	131,860	122,040	74,500	160,540	90,460	to	145,070
19-3032	Industrial-Organizational Psychologists	MD	PA	40.75	84,750	72,310	49,000	102,630	54,220	to	91,430
19-3039	Psychologists, Other	MD	PA	39.89	82,970	90,020	52,570	98,170	68,820	to	100,080
19-3041	Sociologists	MD	PA	38.32	79,710	70,720	50,840	94,140	56,660	to	92,980
19-3051	Urban & Regional Planners	MD	CTY	25.54	53,130	55,210	31,720	63,840	39,740	to	67,720
19-3091	Anthropologists & Archeologists	MD	PA	32.12	66,820	61,970	45,530	77,460	51,400	to	83,390
19-3092	Geographers	BD	PA	35.20	73,210	72,030	61,210	79,210	63,700	to	83,190
19-3093	Historians	MD	PA	24.76	51,490	39,590	34,630	59,920	35,090	to	65,320
19-3099	Social Scientists & Related Workers, Other	BD	PA	38.71	80,510	74,630	61,810	89,860	67,350	to	91,370
19-4011	Agricultural & Food Science Technicians	AD	CTY	22.60	47,020	43,640	38,630	51,200	39,970	to	47,300
19-4021	Biological Technicians	BD	WIA	17.69	36,790	35,560	29,570	40,390	30,960	to	41,140
19-4031	Chemical Technicians	AD	CTY	37.23	77,440	67,600	48,210	92,060	56,330	to	84,520
19-4041	Geological & Petroleum Technicians	AD	PA	24.52	51,000	45,320	31,420	60,790	36,000	to	62,130
19-4051	Nuclear Technicians	AD	PA	37.62	78,250	78,820	61,120	86,820	67,220	to	91,090
19-4061	Social Science Research Assistants	AD	PA	18.87	39,240	36,060	27,230	45,250	31,470	to	45,310
19-4091	Environmental Science & Protection Technicians	AD	MSA	22.65	47,110	45,220	35,130	53,100	38,840	to	54,210

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19-4093	Forest & Conservation Technicians	AD	PA	21.33	44,370	43,180	33,940	49,580	38,420	to	50,420
19-4099	Life, Physical & Social Science Technicians, Other	AD	MSA	16.32	33,950	33,700	27,580	37,130	29,270	to	37,840
21-0000	**Community & Social Services Occupations**	**#**	**CTY**	**20.77**	**43,200**	**40,710**	**26,610**	**51,490**	**29,960**	**to**	**54,320**
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	CTY	18.67	38,830	37,030	32,650	41,920	33,180	to	43,310
21-1012	Educational, Guidance, School & Vocational Counselors	MD	CTY	26.18	54,460	52,200	35,770	63,800	40,710	to	68,570
21-1013	Marriage & Family Therapists	MD	WIA	27.68	57,580	61,480	43,190	64,780	46,940	to	68,540
21-1014	Mental Health Counselors	MD	CTY	20.66	42,980	40,110	29,010	49,960	31,130	to	47,540
21-1015	Rehabilitation Counselors	MD	CTY	21.49	44,710	45,670	27,900	53,110	32,440	to	55,430
21-1019	Counselors, Other	MD	CTY	23.02	47,880	50,450	29,230	57,210	31,160	to	60,520
21-1021	Child, Family & School Social Workers	BD	CTY	24.54	51,040	51,090	37,180	57,980	41,730	to	61,170
21-1022	Healthcare Social Workers	MD	CTY	25.01	52,010	52,750	34,970	60,540	42,350	to	60,780
21-1023	Mental Health & Substance Abuse Social Workers	BD	CTY	19.35	40,240	37,770	27,870	46,430	31,000	to	49,180
21-1029	Social Workers, Other	BD	PA	29.83	62,040	64,580	42,060	72,040	51,200	to	74,620
21-1091	Health Educators	BD	CTY	26.44	54,990	55,960	29,400	67,780	34,210	to	74,270
21-1092	Probation Officers & Correctional Treatment Specialists	BD	WIA	26.91	55,970	55,500	42,900	62,510	47,170	to	64,580
21-1093	Social & Human Service Assistants	ST OJT	CTY	13.30	27,660	26,630	19,990	31,500	22,180	to	30,580

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21-1094	Community Health Workers	TBD	WIA	16.74	34,820	28,600	23,500	40,480	24,620	to	47,450
21-1099	Community & Social Service Specialists, Other	BD	CTY	16.04	33,360	33,650	28,960	35,560	30,570	to	36,720
21-2011	Clergy	BD	CTY	19.43	40,420	38,710	28,440	46,400	29,910	to	49,940
21-2021	Directors, Religious Activities & Education	BD+	CTY	24.20	50,340	42,400	23,900	63,570	24,850	to	81,200
21-2099	Religious Workers, Other	BD	WIA	13.82	28,750	27,100	21,120	32,560	22,690	to	33,130
23-0000	**Legal Occupations**	**#**	**CTY**	**50.68**	**105,420**	**86,970**	**42,940**	**136,660**	**50,830**	**to**	**141,820**
23-1011	Lawyers	PhD	CTY	70.06	145,730	133,690	84,870	176,160	101,560	to	177,560
23-1012	Judicial Law Clerks	PhD	MSA	24.12	50,160	50,720	42,510	53,990	43,920	to	56,380
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	BD+	WIA	43.93	91,370	94,250	66,880	103,610	78,960	to	106,000
23-1022	Arbitrators, Mediators & Conciliators	BD+	PA	30.77	64,000	53,350	38,130	76,940	41,730	to	73,410
23-1023	Judges, Magistrate Judges & Magistrates	PhD	MSA	60.97	126,810	143,730	58,440	161,000	70,230	to	170,170
23-2011	Paralegals & Legal Assistants	AD	CTY	23.49	48,860	48,210	35,280	55,650	38,010	to	58,120
23-2091	Court Reporters	ST OJT	PA	20.06	41,730	37,880	22,100	51,550	26,230	to	55,250
23-2093	Title Examiners, Abstractors & Searchers	ST OJT	CTY	17.72	36,860	35,760	26,390	42,100	28,160	to	44,240
23-2099	Legal Support Workers, Other	ST OJT	PA	27.17	56,510	50,420	36,280	66,630	41,380	to	59,590
25-0000	**Education, Training & Library Occupations**	**#**	**CTY**	**24.97**	**51,940**	**52,170**	**25,780**	**65,020**	**30,040**	**to**	**69,650**

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25-1011	Business Teachers, Postsecondary	PhD	CTY	*	70,860	65,080	45,130	83,730	50,020	to	85,820
25-1021	Computer Science Teachers, Postsecondary	PhD	CTY	*	73,980	71,550	45,270	88,330	52,010	to	92,370
25-1022	Mathematical Science Teachers, Postsecondary	PhD	CTY	*	71,370	68,260	47,340	83,390	52,050	to	85,640
25-1031	Architecture Teachers, Postsecondary	PhD	PA	*	77,330	73,110	47,320	92,330	53,530	to	97,390
25-1032	Engineering Teachers, Postsecondary	PhD	WIA	*	112,450	103,020	72,400	132,470	80,050	to	138,240
25-1041	Agricultural Sciences Teachers, Postsecondary	PhD	PA	*	106,920	101,100	61,350	129,710	78,670	to	123,150
25-1042	Biological Science Teachers, Postsecondary	PhD	CTY	*	73,310	70,730	47,610	86,160	55,560	to	86,700
25-1043	Forestry & Conservation Science Teachers, Postsecondary	PhD	PA	*	93,910	94,090	55,630	113,050	69,670	to	123,250
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	PhD	WIA	*	89,540	74,880	53,330	107,650	57,940	to	113,980
25-1052	Chemistry Teachers, Postsecondary	PhD	CTY	*	75,930	79,730	49,310	89,230	55,670	to	94,430
25-1053	Environmental Science Teachers, Postsecondary	PhD	PA	*	101,180	89,410	52,890	125,320	59,620	to	129,290
25-1054	Physics Teachers, Postsecondary	PhD	CTY	*	72,340	70,240	50,730	83,140	56,180	to	86,230
25-1061	Anthropology & Archeology Teachers, Postsecondary	PhD	PA	*	99,520	86,650	54,270	122,150	64,640	to	115,820
25-1062	Area, Ethnic & Cultural Studies Teachers, Postsecondary	PhD	WIA	*	81,570	73,200	56,650	94,030	60,070	to	104,300
25-1063	Economics Teachers, Postsecondary	PhD	WIA	*	88,250	79,200	55,990	104,380	63,950	to	100,650
25-1064	Geography Teachers, Postsecondary	PhD	PA	*	84,130	80,440	51,420	100,490	59,250	to	102,190

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25-1065	Political Science Teachers, Postsecondary	PhD	WIA	*	76,920	71,750	55,380	87,700	60,400	to	90,550
25-1066	Psychology Teachers, Postsecondary	PhD	CTY	*	68,800	67,330	49,980	78,210	55,180	to	82,260
25-1067	Sociology Teachers, Postsecondary	PhD	CTY	*	69,490	68,990	53,300	77,580	59,280	to	78,430
25-1069	Social Sciences Teachers, Postsecondary, Other	PhD	MSA	*	58,440	57,330	44,730	65,300	47,080	to	68,550
25-1071	Health Specialties Teachers, Postsecondary	PhD	CTY	*	74,290	64,220	40,080	91,400	44,310	to	93,730
25-1072	Nursing Instructors & Teachers, Postsecondary	MD	MSA	*	67,220	67,040	47,630	77,020	54,720	to	79,000
25-1081	Education Teachers, Postsecondary	PhD	CTY	*	66,120	63,980	44,040	77,170	48,410	to	80,280
25-1082	Library Science Teachers, Postsecondary	PhD	PA	*	72,360	69,130	49,990	83,540	56,250	to	83,490
25-1111	Criminal Justice & Law Enforcement Teachers, Postsecondary	PhD	WIA	*	61,890	55,560	35,120	75,280	40,510	to	78,860
25-1112	Law Teachers, Postsecondary	PhD	PA	*	118,270	99,750	65,420	144,690	77,260	to	142,950
25-1113	Social Work Teachers, Postsecondary	PhD	PA	*	79,710	69,590	45,460	96,840	52,080	to	93,780
25-1121	Art, Drama & Music Teachers, Postsecondary	PhD	CTY	*	70,720	70,640	60,920	75,620	63,480	to	80,610
25-1122	Communications Teachers, Postsecondary	PhD	CTY	*	59,630	60,150	38,100	70,390	45,790	to	71,940
25-1123	English Language & Literature Teachers, Postsecondary	PhD	CTY	*	67,290	62,870	39,230	81,320	44,890	to	88,130
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	CTY	*	67,300	62,610	35,120	83,390	42,540	to	90,120
25-1125	History Teachers, Postsecondary	PhD	CTY	*	69,930	67,180	50,250	79,770	56,750	to	75,770

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25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	WIA	*	72,270	68,030	48,290	84,260	54,720	to	87,130
25-1191	Graduate Teaching Assistants	BD	PA	*	38,890	38,820	26,540	45,060	31,890	to	46,260
25-1192	Home Economics Teachers, Postsecondary	PhD	PA	*	73,400	77,960	39,800	90,190	48,100	to	95,370
25-1193	Recreation & Fitness Studies Teachers, Postsecondary	MD	PA	*	68,040	62,240	42,500	80,810	47,510	to	85,700
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	CTY	24.21	50,360	49,540	34,560	58,260	38,920	to	59,440
25-1199	Postsecondary Teachers, Other	PhD	PA	*	88,220	68,090	37,800	113,430	48,370	to	108,000
25-2011	Preschool Teachers	AD	CTY	11.23	23,360	20,310	16,870	26,600	17,780	to	24,440
25-2012	Kindergarten Teachers	BD	CTY	*	46,560	46,250	27,040	56,320	24,330	to	63,180
25-2021	Elementary School Teachers	BD	CTY	*	61,790	60,320	45,970	69,710	50,250	to	74,420
25-2022	Middle School Teachers	BD	CTY	*	61,890	62,000	46,630	69,520	51,180	to	72,990
25-2023	Career/Technical Education Teachers, Middle School	BD+	PA	*	63,210	60,040	50,460	69,590	52,810	to	71,720
25-2031	Secondary School Teachers	BD	CTY	*	61,840	61,560	44,890	70,310	50,430	to	74,690
25-2032	Career/Technical Education Teachers, Secondary School	BD+	WIA	*	67,670	64,480	50,700	76,160	53,840	to	81,440
25-2051	Special Education Teachers, Preschool	BD	PA	*	46,540	44,530	36,790	51,410	39,470	to	53,220
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	CTY	*	62,300	59,100	46,000	70,460	49,290	to	75,090
25-2053	Special Education Teachers, Middle School	BD	CTY	*	69,440	66,780	50,920	78,700	55,120	to	81,550

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25-2054	Special Education Teachers, Secondary School	BD	CTY	*	71,960	69,040	50,210	82,830	56,090	to	88,300
25-2059	Special Education Teachers, Other	BD	PA	*	60,370	62,400	42,740	69,180	47,770	to	71,810
25-3011	Adult Basic & Secondary Education & Literacy Teachers & Instructors	BD	CTY	23.54	48,970	47,600	39,280	53,810	41,400	to	56,440
25-3021	Self-Enrichment Education Teachers	WK EXP	CTY	14.08	29,280	26,880	17,140	35,350	18,780	to	35,880
25-3098	Substitute Teachers	#	CTY	12.63	26,280	25,800	19,260	29,780	21,260	to	29,390
25-3099	Teachers & Instructors, Other	BD	CTY	*	43,400	40,620	26,930	51,640	28,530	to	50,180
25-4011	Archivists	BD	PA	21.74	45,220	41,940	23,940	55,860	28,860	to	57,850
25-4012	Curators	MD	WIA	22.38	46,550	45,220	37,860	50,890	41,270	to	52,660
25-4013	Museum Technicians & Conservators	BD	WIA	14.49	30,130	29,390	21,040	34,680	23,950	to	36,810
25-4021	Librarians	MD	CTY	33.30	69,260	75,900	46,890	80,450	54,440	to	86,800
25-4031	Library Technicians	PS	CTY	12.25	25,490	25,190	17,910	29,280	19,450	to	30,180
25-9011	Audio-Visual & Multimedia Collections Specialists	BD+	WIA	23.27	48,410	48,250	35,990	54,620	39,640	to	57,860
25-9021	Farm & Home Management Advisors	MD	PA	26.48	55,080	55,690	37,300	63,970	45,420	to	67,090
25-9031	Instructional Coordinators	MD+	CTY	30.71	63,880	61,250	39,380	76,130	45,350	to	82,340
25-9041	Teacher Assistants	ST OJT	CTY	*	24,780	25,910	17,610	28,370	19,140	to	29,110
25-9099	Education, Training & Library Workers, Other	BD	CTY	32.97	68,590	43,660	22,420	91,670	22,760	to	133,900

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27-0000	**Arts, Design, Entertainment, Sports & Media Occupations**	**#**	**CTY**	**23.13**	**48,100**	**43,160**	**23,260**	**60,530**	**27,840**	**to**	**59,390**
27-1011	Art Directors	BD+	WIA	38.55	80,180	70,040	48,920	95,810	56,090	to	87,560
27-1012	Craft Artists	LT OJT	PA	12.78	26,590	20,050	17,090	31,340	17,810	to	30,140
27-1013	Fine Artists	LT OJT	PA	22.88	47,590	41,570	28,470	57,140	32,630	to	58,380
27-1014	Multimedia Artists & Animators	BD	MSA	28.20	58,660	58,240	53,990	60,990	53,390	to	63,600
27-1019	Artists & Related Workers, Other	LT OJT	PA	29.91	62,210	61,250	33,980	76,320	41,490	to	83,190
27-1021	Commercial & Industrial Designers	BD	CTY	27.30	56,780	53,920	36,500	66,910	40,530	to	69,170
27-1022	Fashion Designers	LT OJT	WIA	28.95	60,210	52,580	37,770	71,430	41,650	to	68,930
27-1023	Floral Designers	ST OJT	CTY	11.08	23,040	21,990	16,720	26,200	17,930	to	27,500
27-1024	Graphic Designers	BD	CTY	21.69	45,120	45,210	29,890	52,740	33,450	to	55,320
27-1025	Interior Designers	BD	CTY	25.85	53,760	51,700	27,710	66,790	31,330	to	75,530
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	CTY	13.07	27,200	26,420	19,290	31,150	21,640	to	30,190
27-1027	Set & Exhibit Designers	BD	PA	23.05	47,930	43,790	24,080	59,860	32,730	to	61,120
27-1029	Designers, Other	BD	PA	28.83	59,960	59,950	40,960	69,460	49,450	to	72,110
27-2011	Actors	PS	WIA	10.04	#	#	#	#	#	to	#
27-2012	Producers & Directors	BD+	CTY	42.28	87,940	61,360	32,710	115,560	38,310	to	129,870

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27-2021	Athletes & Sports Competitors	LT OJT	PA	*	80,870	45,400	20,750	110,920	25,600	to	85,830
27-2022	Coaches & Scouts	LT OJT	CTY	*	29,480	26,930	17,830	35,310	19,370	to	36,570
27-2023	Umpires, Referees & Other Sports Officials	LT OJT	PA	*	27,010	22,240	16,710	32,170	18,410	to	36,760
27-2031	Dancers	LT OJT	PA	16.54	#	#	#	#	#	to	#
27-2032	Choreographers	WK EXP	PA	16.48	34,290	32,190	24,840	39,010	27,080	to	38,090
27-2041	Music Directors & Composers	BD+	CTY	30.66	63,780	53,120	30,940	80,200	38,610	to	72,020
27-2042	Musicians & Singers	LT OJT	CTY	39.96	#	#	#	#	#	to	#
27-2099	Entertainers & Performers, Sports & Related Workers, Other	ST OJT	PA	21.34	#	#	#	#	#	to	#
27-3011	Radio & Television Announcers	BD	PA	19.04	39,610	26,690	17,520	50,650	19,110	to	42,060
27-3021	Broadcast News Analysts	BD	PA	30.60	63,650	35,000	25,610	82,670	27,700	to	65,260
27-3022	Reporters & Correspondents	BD	WIA	19.29	40,130	39,280	24,450	47,970	29,400	to	47,260
27-3031	Public Relations Specialists	BD	CTY	26.70	55,530	53,630	35,690	65,450	42,760	to	61,630
27-3041	Editors	BD+	CTY	23.17	48,190	49,200	19,530	62,520	19,880	to	66,400
27-3042	Technical Writers	BD+	CTY	36.11	75,110	75,570	50,420	87,450	60,120	to	91,390
27-3043	Writers & Authors	BD	CTY	24.60	51,170	45,760	27,320	63,090	33,340	to	66,150
27-3091	Interpreters & Translators	BD	CTY	27.10	56,380	56,100	47,100	61,020	49,620	to	64,060

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27-3099	Media & Communication Workers, Other	ST OJT	PA	20.97	43,610	40,850	27,230	51,800	30,360	to	52,340
27-4011	Audio & Video Equipment Technicians	PS	CTY	20.43	42,500	37,040	28,190	49,650	32,280	to	51,410
27-4012	Broadcast Technicians	AD	WIA	16.57	34,460	35,170	18,600	42,400	21,320	to	44,700
27-4014	Sound Engineering Technicians	PS	PA	23.10	48,050	42,340	23,860	60,140	28,180	to	63,190
27-4021	Photographers	LT OJT	CTY	15.12	31,450	27,620	23,310	35,520	24,400	to	32,850
27-4031	Camera Operators: TV, Video & Motion Picture	BD	WIA	15.79	32,840	29,710	26,310	36,110	26,780	to	38,440
27-4032	Film & Video Editors	BD+	CTY	24.05	50,020	39,760	24,630	62,720	26,840	to	58,070
27-4099	Media & Communication Equipment Workers, Other	MT OJT	PA	30.29	63,010	59,630	29,560	79,740	38,790	to	77,170
29-0000	**Healthcare Practitioners & Technical Occupations**	**#**	**CTY**	**36.90**	**76,740**	**62,480**	**38,850**	**95,690**	**45,820**	**to**	**83,140**
29-1011	Chiropractors	PhD	CTY	23.15	48,150	44,850	44,200	50,120	42,270	to	47,430
29-1021	Dentists, General	PhD	CTY	70.61	146,870	140,750	59,950	190,340	95,420	to	#
29-1023	Orthodontists	PhD	PA	103.90	216,110	#	120,730	#	166,320	to	#
29-1029	Dentists, Other Specialists	PhD	PA	82.67	171,950	165,640	76,870	219,490	87,290	to	#
29-1031	Dietitians & Nutritionists	BD	CTY	26.80	55,740	54,620	41,680	62,760	45,820	to	66,130
29-1041	Optometrists	PhD	CTY	59.79	124,360	131,600	106,060	133,510	121,600	to	141,470
29-1051	Pharmacists	PhD	CTY	51.50	107,110	108,850	92,590	114,370	99,250	to	118,570

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29-1061	Anesthesiologists	PhD	CTY	115.25	239,710	#	#	#	#	to	#
29-1062	Family & General Practitioners	PhD	CTY	83.91	174,520	159,160	97,290	213,140	119,910	to	#
29-1063	Internists, General	PhD	MSA	114.90	239,000	#	192,550	#	#	to	#
29-1064	Obstetricians & Gynecologists	PhD	CTY	110.84	230,550	#	#	#	#	to	#
29-1065	Pediatricians, General	PhD	CTY	80.98	168,440	154,270	104,970	200,170	123,560	to	#
29-1066	Psychiatrists	PhD	CTY	92.14	191,660	177,600	127,400	223,790	151,400	to	#
29-1067	Surgeons	PhD	CTY	118.96	247,430	#	#	#	#	to	#
29-1069	Physicians & Surgeons, Other	PhD	CTY	93.30	194,060	#	104,920	238,630	135,320	to	#
29-1071	Physician Assistants	MD	CTY	37.18	77,340	79,580	52,470	89,770	60,540	to	92,800
29-1081	Podiatrists	PhD	MSA	51.91	107,980	102,850	81,280	121,330	86,450	to	122,180
29-1122	Occupational Therapists	MD	CTY	35.36	73,560	72,160	52,580	84,040	57,580	to	89,210
29-1123	Physical Therapists	PhD	CTY	34.73	72,240	71,410	47,800	84,470	53,700	to	88,250
29-1124	Radiation Therapists	AD	CTY	37.27	77,530	79,740	55,510	88,540	59,850	to	92,410
29-1125	Recreational Therapists	BD	CTY	19.42	40,390	40,470	30,960	45,100	33,650	to	45,710
29-1126	Respiratory Therapists	AD	CTY	29.18	60,690	60,420	49,030	66,520	51,640	to	70,350
29-1127	Speech-Language Pathologists	MD	CTY	40.61	84,460	81,530	59,000	97,190	63,060	to	99,190

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29-1128	Exercise Physiologists	MD	PA	22.97	47,780	41,310	31,370	55,990	33,410	to	65,580
29-1129	Therapists, Other	BD	CTY	24.73	51,450	46,620	35,330	59,500	38,340	to	64,900
29-1131	Veterinarians	PhD	CTY	43.60	90,690	90,120	78,170	96,950	81,120	to	102,570
29-1141	Registered Nurses	TBD	CTY	32.41	67,420	67,090	50,170	76,040	56,510	to	75,680
29-1151	Nurse Anesthetists	TBD	WIA	74.19	154,310	142,660	133,880	164,530	132,580	to	152,770
29-1161	Nurse Midwives	TBD	PA	39.77	82,720	83,630	60,120	94,020	71,320	to	93,410
29-1171	Nurse Practitioners	TBD	CTY	52.14	108,460	88,780	56,170	134,600	67,600	to	167,430
29-1181	Audiologists	PhD	PA	29.39	61,140	58,500	41,340	71,040	48,560	to	76,240
29-1199	Health Diagnosing & Treating Practitioners, Other	MD	CTY	34.12	70,960	65,670	49,870	81,510	52,940	to	86,380
29-2011	Medical & Clinical Laboratory Technologists	BD	CTY	25.81	53,680	54,880	43,360	58,840	49,950	to	59,800
29-2012	Medical & Clinical Laboratory Technicians	AD	CTY	19.38	40,300	39,230	31,660	44,620	33,450	to	46,070
29-2021	Dental Hygienists	AD	CTY	28.30	58,860	59,980	48,700	63,930	51,520	to	68,260
29-2031	Cardiovascular Technologists & Technicians	AD	CTY	28.99	60,310	60,310	38,570	71,180	44,390	to	77,270
29-2032	Diagnostic Medical Sonographers	AD	CTY	30.52	63,470	64,610	50,060	70,180	54,660	to	72,380
29-2033	Nuclear Medicine Technologists	AD	CTY	32.53	67,660	67,750	53,840	74,570	59,370	to	75,220
29-2034	Radiologic Technologists	AD	CTY	27.19	56,560	56,370	41,480	64,100	46,640	to	67,450

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29-2035	Magnetic Resonance Imaging Technologists	TBD	MSA	28.06	58,370	57,700	48,770	63,180	50,820	to	67,010
29-2041	Emergency Medical Technicians & Paramedics	PS	CTY	17.55	36,510	35,410	26,000	41,770	27,560	to	44,600
29-2051	Dietetic Technicians	MT OJT	PA	12.68	26,380	24,130	17,920	30,610	19,420	to	32,430
29-2052	Pharmacy Technicians	MT OJT	CTY	13.30	27,670	26,860	19,100	31,960	21,050	to	33,850
29-2053	Psychiatric Technicians	PS	CTY	26.28	54,660	55,110	50,230	56,870	51,000	to	59,220
29-2054	Respiratory Therapy Technicians	AD	CTY	24.92	51,830	52,690	40,600	57,440	44,870	to	58,750
29-2055	Surgical Technologists	PS	CTY	21.07	43,820	43,450	33,070	49,190	36,580	to	50,030
29-2056	Veterinary Technologists & Technicians	AD	CTY	17.34	36,060	35,960	32,500	37,840	33,160	to	38,930
29-2057	Ophthalmic Medical Technicians	TBD	WIA	15.30	31,830	31,950	26,920	34,280	27,890	to	35,580
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	CTY	20.44	42,520	42,090	33,060	47,250	36,150	to	47,640
29-2071	Medical Records & Health Information Technicians	PS	CTY	16.92	35,200	33,530	25,810	39,890	28,000	to	38,840
29-2081	Opticians, Dispensing	LT OJT	CTY	16.70	34,740	33,760	26,850	38,690	28,850	to	38,980
29-2091	Orthotists & Prosthetists	MD	PA	33.33	69,320	57,430	37,580	85,190	43,600	to	83,190
29-2092	Hearing Aid Specialists	TBD	PA	31.93	66,410	68,340	46,540	76,340	54,320	to	81,070
29-2099	Health Technologists & Technicians, Other	PS	CTY	21.18	44,050	41,970	31,350	50,400	34,050	to	51,150
29-9011	Occupational Health & Safety Specialists	BD	CTY	37.38	77,750	74,300	52,910	90,160	59,040	to	92,400

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29-9012	Occupational Health & Safety Technicians	MT OJT	CTY	30.20	62,820	62,740	36,460	76,000	38,500	to	78,000
29-9091	Athletic Trainers	BD	CTY	*	40,510	40,000	27,780	46,880	33,000	to	46,520
29-9092	Genetic Counselors	TBD	PA	23.04	47,920	52,170	26,760	58,500	33,040	to	60,930
29-9099	Healthcare Practitioners & Technical Workers, Other	BD	WIA	19.54	40,650	29,860	27,620	47,170	27,220	to	45,810
31-0000	**Healthcare Support Occupations**	**#**	**CTY**	**13.84**	**28,780**	**27,900**	**20,590**	**32,880**	**23,160**	**to**	**33,700**
31-1011	Home Health Aides	ST OJT	CTY	9.78	20,350	20,100	16,850	22,090	17,750	to	22,880
31-1013	Psychiatric Aides	ST OJT	PA	15.66	32,570	31,350	25,310	36,190	26,850	to	37,280
31-1014	Nursing Assistants	TBD	CTY	13.99	29,100	28,590	24,390	31,460	25,560	to	32,980
31-1015	Orderlies	TBD	MSA	11.43	23,780	22,310	19,640	25,860	20,320	to	25,710
31-2011	Occupational Therapy Assistants	AD	CTY	24.01	49,940	47,780	38,160	55,820	40,660	to	59,820
31-2012	Occupational Therapy Aides	ST OJT	CTY	14.39	29,930	28,090	25,750	32,020	25,680	to	30,970
31-2021	Physical Therapist Assistants	AD	CTY	23.74	49,390	48,170	36,870	55,640	40,860	to	59,230
31-2022	Physical Therapist Aides	MT OJT	CTY	13.53	28,150	27,780	23,680	30,380	24,590	to	31,820
31-9011	Massage Therapists	PS	CTY	13.98	29,070	29,830	18,600	34,310	19,060	to	34,890
31-9091	Dental Assistants	PS	CTY	17.09	35,540	35,920	29,420	38,600	32,120	to	41,010
31-9092	Medical Assistants	MT OJT	CTY	14.96	31,110	29,850	25,150	34,090	26,360	to	35,500

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31-9093	Medical Equipment Preparers	MT OJT	CTY	17.07	35,500	35,470	28,110	39,190	30,460	to	41,400
31-9094	Medical Transcriptionists	PS	CTY	16.69	34,710	34,450	28,220	37,950	30,030	to	38,800
31-9095	Pharmacy Aides	ST OJT	CTY	11.71	24,350	23,850	16,760	28,140	17,780	to	29,500
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	WIA	11.78	24,510	23,450	21,760	25,880	21,510	to	27,040
31-9097	Phlebotomists	TBD	CTY	15.80	32,870	33,030	26,760	35,930	28,810	to	36,610
31-9099	Healthcare Support Workers, Other	ST OJT	CTY	18.22	37,900	34,940	25,340	44,180	29,290	to	43,050
33-0000	**Protective Service Occupations**	**#**	**CTY**	**20.15**	**41,910**	**38,430**	**21,370**	**52,180**	**24,020**	**to**	**56,320**
33-1011	Supervisors - Correctional Officers	WK EXP	MSA	37.17	77,320	75,260	62,200	84,880	66,330	to	89,810
33-1012	Supervisors - Police & Detectives	WK EXP	CTY	46.61	96,950	99,450	77,920	106,470	84,280	to	108,380
33-1021	Supervisors - Fire Fighting & Prevention	PS+	MSA	35.84	74,540	73,400	57,070	83,270	63,760	to	87,050
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	CTY	24.25	50,440	46,720	36,820	57,250	39,980	to	60,170
33-2011	Firefighters	PS	WIA	22.66	47,130	50,410	31,690	54,850	38,730	to	56,940
33-2021	Fire Inspectors & Investigators	WK EXP	WIA	22.32	46,420	45,370	31,260	54,000	34,430	to	54,920
33-3011	Bailiffs	MT OJT	MSA	14.74	30,670	26,330	21,470	35,270	22,920	to	29,540
33-3012	Correctional Officers & Jailers	MT OJT	MSA	23.39	48,650	50,060	38,590	53,680	41,990	to	56,120
33-3021	Detectives & Criminal Investigators	WK EXP	CTY	39.37	81,880	73,290	60,340	92,650	62,910	to	100,350

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33-3041	Parking Enforcement Workers	ST OJT	WIA	16.66	34,650	33,180	22,250	40,860	23,490	to	44,340
33-3051	Police & Sheriff's Patrol Officers	MT OJT	WIA	28.36	58,990	60,580	42,360	67,310	49,410	to	70,170
33-3052	Transit & Railroad Police	ST OJT	PA	32.08	66,730	67,370	52,240	73,970	56,870	to	75,900
33-9011	Animal Control Workers	MT OJT	WIA	12.19	25,360	19,130	16,910	29,580	17,290	to	39,460
33-9021	Private Detectives & Investigators	PS+	CTY	27.38	56,950	57,680	41,290	64,770	47,360	to	67,960
33-9031	Gaming Surveillance Officers & Gaming Investigators	ST OJT	PA	14.88	30,950	28,290	23,830	34,510	24,830	to	38,090
33-9032	Security Guards	ST OJT	CTY	12.72	26,450	24,310	18,070	30,640	19,620	to	32,310
33-9091	Crossing Guards	ST OJT	WIA	10.84	22,540	22,430	17,080	25,260	18,750	to	26,210
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	CTY	9.90	20,590	20,990	16,600	22,590	18,240	to	23,100
33-9093	Transportation Security Screeners	MT OJT	CTY	17.95	37,340	35,480	31,880	40,070	33,780	to	41,190
33-9099	Protective Service Workers, Other	ST OJT	CTY	21.21	44,120	41,180	24,710	53,830	27,660	to	54,960
35-0000	**Food Preparation & Serving Related Occupations**	**#**	**CTY**	**10.74**	**22,330**	**19,960**	**16,720**	**25,140**	**17,530**	**to**	**25,260**
35-1011	Chefs & Head Cooks	WK EXP	CTY	22.40	46,580	42,070	27,700	56,020	29,310	to	59,870
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	CTY	17.34	36,070	35,230	22,100	43,060	25,550	to	44,860
35-2011	Cooks, Fast Food	ST OJT	CTY	9.53	19,810	18,680	16,710	21,360	17,010	to	22,970
35-2012	Cooks, Institution & Cafeteria	ST OJT	CTY	12.75	26,530	26,870	22,670	28,460	24,540	to	29,200

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35-2013	Cooks, Private Household	PS	PA	16.83	35,010	34,760	34,070	35,470	32,590	to	36,930
35-2014	Cooks, Restaurant	MT OJT	CTY	12.16	25,290	23,380	17,040	29,410	18,710	to	30,740
35-2015	Cooks, Short Order	ST OJT	CTY	9.11	18,950	18,020	16,630	20,110	16,600	to	20,080
35-2019	Cooks, Other	MT OJT	PA	13.17	27,400	26,920	23,310	29,440	24,300	to	29,660
35-2021	Food Preparation Workers	ST OJT	CTY	10.01	20,820	19,620	16,750	22,850	17,470	to	23,730
35-3011	Bartenders	ST OJT	CTY	10.41	21,640	20,760	16,660	24,140	17,790	to	24,330
35-3021	Combined Food Preparation & Serving Workers	ST OJT	CTY	9.10	18,920	18,500	16,730	20,020	16,910	to	21,130
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	CTY	9.18	19,090	18,840	16,760	20,260	17,100	to	21,570
35-3031	Waiters & Waitresses	ST OJT	CTY	10.70	22,260	20,230	16,690	25,050	17,620	to	25,140
35-3041	Food Servers, Nonrestaurant	ST OJT	CTY	9.45	19,660	19,560	16,710	21,140	17,390	to	22,350
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	CTY	9.31	19,370	18,500	16,670	20,720	16,890	to	21,630
35-9021	Dishwashers	ST OJT	CTY	8.81	18,330	18,320	16,710	19,140	16,820	to	20,320
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	CTY	10.26	21,340	19,080	16,740	23,640	17,210	to	25,530
35-9099	Food Preparation & Serving Related Workers, Other	ST OJT	PA	14.79	30,760	31,580	23,100	34,590	25,980	to	35,380
37-0000	**Building & Grounds Cleaning & Maintenance Occupations**	**#**	**CTY**	**12.97**	**26,990**	**24,220**	**18,440**	**31,260**	**20,040**	**to**	**31,600**
37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	CTY	18.14	37,730	36,710	26,810	43,190	29,500	to	44,890

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37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	CTY	23.65	49,180	45,910	40,070	53,740	41,170	to	55,870
37-2011	Janitors & Cleaners	ST OJT	CTY	13.44	27,950	25,300	18,830	32,510	20,550	to	34,550
37-2012	Maids & Housekeeping Cleaners	ST OJT	CTY	10.39	21,610	21,430	16,910	23,960	18,550	to	24,530
37-2019	Building Cleaning Workers, Other	ST OJT	PA	12.53	26,050	25,010	19,540	29,310	21,060	to	31,740
37-2021	Pest Control Workers	MT OJT	PA	16.11	33,500	31,850	24,870	37,810	26,950	to	39,100
37-3011	Landscaping & Groundskeeping Workers	ST OJT	CTY	13.31	27,690	26,530	18,700	32,180	20,690	to	34,010
37-3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	MT OJT	CTY	15.06	31,320	29,680	24,980	34,490	25,970	to	36,450
37-3013	Tree Trimmers & Pruners	ST OJT	MSA	16.90	35,150	35,330	29,180	38,130	31,440	to	39,250
37-3019	Grounds Maintenance Workers, Other	ST OJT	PA	22.48	46,760	50,060	33,820	53,230	38,800	to	57,110
39-0000	**Personal Care & Service Occupations**	**#**	**CTY**	**11.71**	**24,360**	**21,700**	**16,750**	**28,160**	**18,250**	**to**	**27,840**
39-1011	Gaming Supervisors	WK EXP	PA	26.53	55,190	55,570	44,040	60,760	48,840	to	64,360
39-1012	Slot Supervisors	WK EXP	PA	19.58	40,730	39,650	24,810	48,700	28,330	to	50,920
39-1021	Supervisors - Personal Service Workers	WK EXP	CTY	19.35	40,250	38,650	25,060	47,840	27,580	to	48,440
39-2011	Animal Trainers	MT OJT	PA	12.69	26,400	24,450	17,690	30,750	19,260	to	29,820
39-2021	Nonfarm Animal Caretakers	ST OJT	CTY	8.85	18,410	18,210	16,800	19,220	16,790	to	19,720
39-3012	Gaming & Sports Book Writers & Runners	ST OJT	PA	12.02	25,010	23,220	18,440	28,290	20,020	to	29,430

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39-3021	Motion Picture Projectionists	ST OJT	CTY	11.77	24,490	24,880	20,800	26,330	21,930	to	27,590
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	PA	10.63	22,120	19,230	16,760	24,800	17,280	to	23,540
39-3091	Amusement & Recreation Attendants	ST OJT	CTY	10.16	21,120	18,860	16,840	23,270	17,130	to	25,070
39-3092	Costume Attendants	ST OJT	PA	21.05	43,790	42,790	24,910	53,240	29,480	to	53,390
39-3093	Locker Room, Coatroom & Dressing Room Attendants	ST OJT	CTY	10.61	22,080	19,150	16,600	24,820	17,160	to	26,610
39-4021	Funeral Attendants	ST OJT	CTY	14.56	30,290	27,940	23,500	33,690	24,840	to	39,210
39-4031	Morticians, Undertakers & Funeral Directors	TBD	CTY	26.50	55,110	55,160	49,420	57,950	50,390	to	59,930
39-5011	Barbers	PS	PA	12.01	24,980	22,490	19,190	27,870	20,270	to	26,340
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	CTY	12.17	25,300	23,190	18,140	28,880	19,590	to	29,880
39-5091	Makeup Artists, Theatrical & Performance	PS	PA	26.76	55,660	40,870	22,130	72,430	23,320	to	76,380
39-5092	Manicurists & Pedicurists	PS	CTY	9.58	19,930	18,370	17,040	21,380	16,960	to	19,780
39-5093	Shampooers	ST OJT	WIA	7.94	16,520	17,190	16,510	16,520	16,150	to	18,230
39-5094	Skincare Specialists	PS	CTY	15.92	33,120	34,340	24,090	37,630	23,910	to	39,190
39-6011	Baggage Porters & Bellhops	ST OJT	PA	10.03	20,870	18,930	16,790	22,900	17,150	to	23,100
39-6012	Concierges	MT OJT	PA	12.24	25,460	23,220	19,140	28,620	20,440	to	29,330
39-7011	Tour Guides & Escorts	MT OJT	WIA	8.75	18,200	17,740	16,710	18,940	16,540	to	18,940

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39-7012	Travel Guides	MT OJT	PA	19.58	40,730	40,160	28,620	46,790	30,180	to	51,390
39-9011	Childcare Workers	ST OJT	CTY	10.67	22,190	20,760	16,770	24,910	17,900	to	24,550
39-9021	Personal Care Aides	ST OJT	CTY	10.88	22,630	22,050	19,050	24,420	20,040	to	24,170
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	CTY	12.03	25,010	22,800	17,710	28,660	19,280	to	30,270
39-9032	Recreation Workers	BD	CTY	13.46	27,990	25,120	17,390	33,290	18,980	to	33,590
39-9041	Residential Advisors	PS	CTY	15.52	32,290	31,100	20,610	38,130	22,720	to	39,870
39-9099	Personal Care & Service Workers, Other	ST OJT	MSA	8.98	18,680	18,800	16,630	19,710	16,990	to	21,260
41-0000	**Sales & Related Occupations**	**#**	**CTY**	**18.66**	**38,820**	**27,580**	**17,660**	**49,400**	**19,240**	**to**	**47,140**
41-1011	Supervisors - Retail Sales Workers	WK EXP	CTY	21.81	45,360	42,400	28,380	53,850	33,200	to	51,780
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	CTY	53.61	111,500	92,590	69,470	132,520	78,600	to	122,100
41-2011	Cashiers	ST OJT	CTY	9.23	19,200	18,760	17,040	20,280	17,190	to	21,180
41-2012	Gaming Change Persons & Booth Cashiers	ST OJT	PA	13.46	27,990	27,280	21,120	31,430	23,240	to	30,960
41-2021	Counter & Rental Clerks	ST OJT	CTY	14.08	29,290	26,820	18,440	34,720	19,980	to	37,990
41-2022	Parts Salespersons	MT OJT	CTY	17.79	37,010	34,660	23,630	43,700	26,520	to	45,780
41-2031	Retail Salespersons	ST OJT	CTY	12.41	25,810	22,880	16,900	30,260	18,490	to	29,880
41-3011	Advertising Sales Agents	MT OJT	CTY	24.38	50,700	47,750	34,400	58,860	39,640	to	59,660

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41-3021	Insurance Sales Agents	MT OJT	CTY	28.56	59,400	45,360	28,120	75,040	33,490	to	74,900
41-3031	Securities, Commodities & Financial Services Sales Agents	BD	CTY	36.95	76,870	48,060	29,400	100,600	32,880	to	103,990
41-3041	Travel Agents	MT OJT	CTY	16.83	35,000	33,540	23,120	40,940	27,120	to	39,200
41-3099	Sales Representatives, Other Services	ST OJT	CTY	24.33	50,610	46,890	27,730	62,050	30,920	to	66,260
41-4011	Sales Representatives, Technical & Scientific Products	BD	CTY	42.92	89,280	85,470	55,910	105,960	66,390	to	108,800
41-4012	Sales Representatives	MT OJT	CTY	30.95	64,380	59,170	37,210	77,960	44,350	to	75,360
41-9011	Demonstrators & Product Promoters	ST OJT	CTY	12.76	26,550	24,390	21,350	29,140	21,870	to	30,550
41-9021	Real Estate Brokers	WK EXP	CTY	72.02	149,810	170,630	107,060	171,180	158,350	to	182,910
41-9022	Real Estate Sales Agents	LT OJT	CTY	25.57	53,200	52,550	38,670	60,460	42,750	to	59,980
41-9031	Sales Engineers	BD	CTY	32.53	67,670	66,870	49,770	76,620	54,120	to	83,260
41-9041	Telemarketers	ST OJT	CTY	15.30	31,830	30,690	24,250	35,620	26,090	to	36,390
41-9091	Door-to-Door Sales Workers, News & Street Vendors & Related Workers	ST OJT	PA	14.50	30,150	28,060	17,310	36,580	19,030	to	39,110
41-9099	Sales & Related Workers, Other	MT OJT	CTY	20.41	42,450	34,560	22,110	52,620	24,240	to	60,660
43-0000	**Office & Administrative Support Occupations**	**#**	**CTY**	**16.42**	**34,150**	**31,800**	**22,000**	**40,230**	**24,620**	**to**	**41,020**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	CTY	26.55	55,230	52,580	36,470	64,610	41,120	to	64,470
43-2011	Switchboard Operators	ST OJT	CTY	14.41	29,980	26,900	21,540	34,200	22,510	to	35,120

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43-2021	Telephone Operators	ST OJT	PA	17.61	36,620	34,830	24,500	42,680	27,680	to	46,450
43-2099	Communications Equipment Operators, Other	ST OJT	PA	22.06	45,880	45,900	37,500	50,080	38,500	to	50,460
43-3011	Bill & Account Collectors	MT OJT	CTY	16.43	34,180	33,760	24,710	38,920	27,820	to	38,990
43-3021	Billing & Posting Clerks	ST OJT	CTY	16.22	33,740	33,070	26,360	37,420	28,120	to	38,620
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	CTY	18.19	37,830	36,380	24,690	44,400	29,120	to	45,060
43-3041	Gaming Cage Workers	ST OJT	PA	13.46	27,990	27,580	20,780	31,600	22,950	to	32,750
43-3051	Payroll & Timekeeping Clerks	MT OJT	CTY	18.34	38,140	36,620	30,240	42,090	32,270	to	44,190
43-3061	Procurement Clerks	MT OJT	CTY	16.48	34,270	32,350	24,200	39,300	25,950	to	42,860
43-3071	Tellers	ST OJT	CTY	12.47	25,930	24,020	21,060	28,360	21,570	to	30,580
43-3099	Financial Clerks, Other	TBD	PA	18.29	38,030	36,560	26,310	43,890	28,870	to	44,950
43-4011	Brokerage Clerks	MT OJT	CTY	19.86	41,300	40,240	31,620	46,140	34,330	to	47,110
43-4021	Correspondence Clerks	ST OJT	WIA	20.13	41,860	42,370	36,260	44,660	38,390	to	46,120
43-4031	Court, Municipal & License Clerks	MT OJT	CTY	19.73	41,030	36,880	30,280	46,410	32,030	to	48,260
43-4041	Credit Authorizers, Checkers & Clerks	ST OJT	CTY	18.32	38,100	40,080	27,280	43,520	29,150	to	44,380
43-4051	Customer Service Representatives	ST OJT	CTY	15.59	32,420	30,490	22,220	37,520	24,820	to	37,650
43-4061	Eligibility Interviewers, Government Programs	AD	CTY	20.03	41,660	41,070	32,380	46,290	33,040	to	46,840

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43-4071	File Clerks	ST OJT	CTY	16.67	34,670	26,560	20,440	41,780	21,930	to	49,090
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	CTY	10.90	22,670	22,430	19,050	24,480	20,160	to	25,520
43-4111	Interviewers	ST OJT	CTY	16.19	33,680	33,680	25,280	37,890	28,700	to	38,270
43-4121	Library Assistants, Clerical	ST OJT	CTY	13.40	27,870	27,320	22,790	30,420	24,360	to	30,310
43-4131	Loan Interviewers & Clerks	ST OJT	CTY	16.24	33,780	31,540	24,990	38,180	26,500	to	40,600
43-4141	New Accounts Clerks	ST OJT	PA	15.87	33,000	32,510	26,690	36,160	28,020	to	37,250
43-4151	Order Clerks	ST OJT	CTY	15.82	32,910	31,750	20,220	39,260	23,020	to	40,630
43-4161	Human Resources Assistants	ST OJT	CTY	17.78	36,980	37,570	25,340	42,800	28,700	to	45,090
43-4171	Receptionists & Information Clerks	ST OJT	CTY	11.94	24,840	23,830	18,990	27,760	20,460	to	29,100
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	MSA	15.25	31,710	28,690	20,520	37,310	22,580	to	41,330
43-4199	Information & Record Clerks, Other	ST OJT	CTY	19.42	40,400	40,720	30,080	45,560	34,750	to	47,240
43-5011	Cargo & Freight Agents	ST OJT	CTY	19.98	41,560	41,900	26,810	48,940	28,890	to	52,070
43-5021	Couriers & Messengers	ST OJT	CTY	11.65	24,230	22,180	16,940	27,880	18,240	to	29,140
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	CTY	17.45	36,300	37,570	29,900	39,500	33,740	to	40,530
43-5032	Dispatchers	MT OJT	CTY	19.94	41,470	40,660	27,380	48,520	32,220	to	47,840
43-5041	Meter Readers, Utilities	ST OJT	CTY	23.53	48,940	48,170	39,520	53,660	43,160	to	56,260

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43-5051	Postal Service Clerks	ST OJT	CTY	24.65	51,260	53,100	44,840	54,480	53,090	to	55,230
43-5052	Postal Service Mail Carriers	ST OJT	CTY	25.25	52,520	56,500	44,130	56,720	48,270	to	56,510
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	CTY	23.16	48,180	53,080	37,950	53,290	52,980	to	53,100
43-5061	Production, Planning & Expediting Clerks	MT OJT	CTY	22.55	46,900	45,410	27,510	56,590	32,990	to	57,950
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	CTY	15.58	32,400	31,540	24,500	36,350	26,500	to	37,380
43-5081	Stock Clerks & Order Fillers	ST OJT	CTY	11.77	24,470	22,900	18,140	27,640	19,660	to	27,920
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	CTY	16.92	35,200	34,850	27,640	38,980	31,340	to	38,370
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	CTY	24.02	49,970	49,520	36,130	56,890	39,850	to	59,370
43-6012	Legal Secretaries	MT OJT	CTY	19.97	41,530	42,070	35,700	44,440	37,880	to	45,730
43-6013	Medical Secretaries	MT OJT	CTY	15.68	32,620	32,480	25,040	36,410	27,040	to	37,160
43-6014	Secretaries	ST OJT	CTY	15.67	32,590	31,350	23,180	37,290	25,540	to	38,380
43-9011	Computer Operators	MT OJT	CTY	19.08	39,690	38,440	29,140	44,970	31,170	to	47,420
43-9021	Data Entry Keyers	MT OJT	CTY	14.36	29,860	28,290	22,090	33,750	24,640	to	33,940
43-9022	Word Processors & Typists	ST OJT	CTY	16.54	34,400	33,050	27,760	37,720	29,980	to	38,920
43-9031	Desktop Publishers	AD	CTY	19.36	40,270	38,060	28,050	46,380	29,710	to	45,970
43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	CTY	19.73	41,030	41,930	33,970	44,570	37,080	to	45,700

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43-9051	Mail Clerks & Mail Machine Operators	ST OJT	CTY	12.39	25,770	23,720	17,660	29,830	19,210	to	29,490
43-9061	Office Clerks, General	ST OJT	CTY	14.56	30,290	28,800	20,170	35,350	22,740	to	36,690
43-9071	Office Machine Operators	ST OJT	CTY	15.23	31,680	25,570	21,680	36,690	22,310	to	39,300
43-9081	Proofreaders & Copy Markers	BD	WIA	21.32	44,340	45,100	34,590	49,220	38,350	to	51,970
43-9111	Statistical Assistants	BD	PA	20.88	43,430	41,380	32,330	48,980	35,070	to	50,510
43-9199	Office & Administrative Support Workers, Other	ST OJT	CTY	19.30	40,140	36,300	26,020	47,200	28,950	to	45,780
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**CTY**	**14.91**	**31,010**	**27,880**	**16,610**	**38,210**	**17,800**	**to**	**39,000**
45-1011	Farm & Forestry Worker Supervisors	WK EXP	MSA	30.72	63,890	62,000	47,640	72,020	56,730	to	77,790
45-2011	Agricultural Inspectors	BD	PA	23.17	48,190	47,850	36,070	54,250	41,030	to	56,790
45-2021	Animal Breeders	WK EXP	PA	14.78	30,740	28,020	21,930	35,140	23,150	to	40,300
45-2041	Graders & Sorters, Agricultural Products	ST OJT	PA	11.67	24,270	23,640	16,720	28,050	18,450	to	29,420
45-2091	Agricultural Equipment Operators	ST OJT	PA	16.60	34,520	33,800	25,630	38,970	28,410	to	38,380
45-2092	Farmworkers & Laborers, Crop, Nursery & Greenhouse	ST OJT	CTY	13.70	28,490	26,270	16,550	34,460	17,640	to	36,340
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	MSA	10.07	20,950	20,870	16,800	23,030	17,590	to	25,030
45-2099	Agricultural Workers, Other	ST OJT	PA	17.04	35,440	36,780	21,170	42,580	23,350	to	45,410
45-4011	Forest & Conservation Workers	MT OJT	PA	22.44	46,670	45,520	38,730	50,640	40,670	to	54,030

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45-4021	Fallers	MT OJT	PA	13.73	28,570	28,540	20,350	32,670	23,310	to	34,450
45-4022	Logging Equipment Operators	MT OJT	PA	12.02	24,990	22,920	16,960	29,010	18,600	to	28,940
45-4023	Log Graders & Scalers	MT OJT	PA	16.81	34,960	34,990	27,100	38,890	30,080	to	40,320
45-4029	Logging Workers, Other	MT OJT	PA	10.52	21,890	21,980	21,810	21,920	20,780	to	23,190
47-0000	**Construction & Extraction Occupations**	**#**	**CTY**	**23.68**	**49,250**	**44,650**	**29,270**	**59,250**	**34,290**	**to**	**58,980**
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	CTY	33.35	69,370	69,260	46,630	80,740	53,930	to	83,850
47-2011	Boilermakers	LT OJT	CTY	22.05	45,870	46,140	35,000	51,300	36,830	to	53,870
47-2021	Brickmasons & Blockmasons	LT OJT	WIA	22.30	46,380	51,490	23,280	57,930	24,250	to	61,050
47-2022	Stonemasons	LT OJT	WIA	17.16	35,700	34,590	32,840	37,120	32,310	to	36,860
47-2031	Carpenters	LT OJT	CTY	22.91	47,650	47,900	37,220	52,860	39,960	to	55,240
47-2041	Carpet Installers	ST OJT	CTY	17.35	36,090	33,370	28,870	39,700	30,350	to	36,380
47-2042	Floor Layers	MT OJT	PA	16.16	33,610	33,010	26,420	37,200	28,730	to	37,290
47-2043	Floor Sanders & Finishers	MT OJT	PA	16.57	34,470	33,990	26,690	38,370	28,970	to	38,850
47-2044	Tile & Marble Setters	LT OJT	WIA	20.01	41,610	41,040	31,240	46,800	34,460	to	47,810
47-2051	Cement Masons & Concrete Finishers	MT OJT	CTY	20.49	42,630	41,820	33,240	47,320	35,860	to	47,320
47-2053	Terrazzo Workers & Finishers	LT OJT	PA	23.88	49,660	44,400	24,550	62,220	27,310	to	74,410

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47-2061	Construction Laborers	ST OJT	CTY	14.67	30,520	28,780	18,950	36,300	21,550	to	40,220
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	CTY	34.58	71,930	71,800	62,360	76,710	64,480	to	81,780
47-2072	Pile-Driver Operators	MT OJT	PA	29.52	61,400	59,930	48,400	67,910	50,940	to	70,740
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	CTY	20.82	43,300	40,180	34,050	47,920	34,790	to	49,390
47-2081	Drywall & Ceiling Tile Installers	MT OJT	CTY	18.85	39,210	31,970	25,550	46,040	27,170	to	38,270
47-2082	Tapers	MT OJT	WIA	24.17	50,270	53,120	42,040	54,380	49,050	to	57,180
47-2111	Electricians	LT OJT	CTY	28.61	59,500	55,480	41,410	68,550	45,740	to	73,420
47-2121	Glaziers	LT OJT	PA	19.46	40,480	38,570	27,260	47,090	31,140	to	45,900
47-2131	Insulation Workers, Floor, Ceiling & Wall	ST OJT	PA	20.04	41,680	35,040	28,830	48,100	31,550	to	39,360
47-2132	Insulation Workers, Mechanical	LT OJT	PA	30.32	63,060	65,170	45,240	71,970	53,820	to	72,890
47-2141	Painters, Construction & Maintenance	MT OJT	CTY	14.54	30,240	29,340	24,010	33,350	25,780	to	34,800
47-2142	Paperhangers	MT OJT	PA	18.01	37,460	36,100	27,940	42,230	30,300	to	44,570
47-2151	Pipelayers	ST OJT	WIA	18.84	39,190	39,500	33,180	42,200	34,300	to	44,310
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	CTY	32.53	67,670	60,150	39,410	81,800	43,280	to	92,380
47-2161	Plasterers & Stucco Masons	LT OJT	PA	22.19	46,160	46,920	34,700	51,890	37,080	to	54,430
47-2171	Reinforcing Iron & Rebar Workers	LT OJT	PA	30.95	64,370	66,440	48,070	72,520	54,310	to	73,580

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47-2181	Roofers	MT OJT	CTY	20.56	42,770	38,880	30,950	48,680	33,130	to	49,600
47-2211	Sheet Metal Workers	LT OJT	CTY	31.09	64,670	68,110	40,300	76,860	46,080	to	85,070
47-2221	Structural Iron & Steel Workers	LT OJT	CTY	19.19	39,920	40,360	34,070	42,850	35,790	to	44,340
47-2231	Solar Photovoltaic Installers	TBD	PA	16.86	35,070	34,320	27,220	38,990	28,260	to	42,480
47-3011	Helpers--Brick, Block & Stonemasons & Tile & Marble Setters	ST OJT	WIA	14.03	29,180	30,690	17,010	35,260	18,450	to	36,190
47-3012	Helpers--Carpenters	ST OJT	CTY	12.69	26,400	24,170	22,040	28,570	22,000	to	31,570
47-3013	Helpers--Electricians	ST OJT	CTY	13.37	27,820	27,780	22,800	30,320	25,230	to	30,320
47-3014	Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	ST OJT	PA	11.88	24,710	24,840	20,670	26,730	21,680	to	27,810
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	WIA	11.74	24,420	22,490	21,100	26,070	20,840	to	24,130
47-3016	Helpers--Roofers	ST OJT	PA	12.59	26,180	25,220	18,620	29,960	20,440	to	31,320
47-3019	Helpers, Construction Trades, Other	ST OJT	MSA	16.51	34,340	33,300	28,870	37,070	30,720	to	36,820
47-4011	Construction & Building Inspectors	WK EXP	CTY	22.37	46,530	45,770	36,340	51,620	38,550	to	53,860
47-4021	Elevator Installers & Repairers	LT OJT	PA	32.98	68,600	72,330	42,450	81,670	50,290	to	87,640
47-4031	Fence Erectors	MT OJT	PA	16.28	33,850	33,970	25,910	37,830	28,670	to	38,830
47-4041	Hazardous Materials Removal Workers	MT OJT	CTY	15.58	32,410	32,410	25,040	36,090	26,950	to	37,430
47-4051	Highway Maintenance Workers	MT OJT	CTY	21.97	45,690	45,630	37,740	49,660	40,540	to	52,620

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47-4061	Rail-Track Laying & Maintenance Equipment Operators	MT OJT	PA	21.06	43,810	43,290	31,970	49,730	34,650	to	53,180
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	CTY	18.84	39,180	36,480	33,980	41,770	33,380	to	42,090
47-4099	Construction & Related Workers, Other	MT OJT	MSA	16.73	34,800	34,040	30,230	37,090	31,100	to	36,980
47-5011	Derrick Operators, Oil & Gas	ST OJT	PA	25.38	52,790	54,030	44,330	57,020	49,200	to	58,850
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	PA	21.20	44,090	41,990	30,250	51,010	33,070	to	54,570
47-5013	Service Unit Operators, Oil, Gas & Mining	MT OJT	PA	23.60	49,090	38,110	29,680	58,800	31,830	to	59,920
47-5021	Earth Drillers	MT OJT	PA	21.14	43,960	37,840	29,400	51,240	31,290	to	46,600
47-5031	Explosives Workers, Ordnance Handling Experts & Blasters	MT OJT	PA	22.23	46,240	44,050	38,790	49,960	40,000	to	48,980
47-5041	Continuous Mining Machine Operators	MT OJT	PA	23.61	49,110	50,330	36,590	55,370	42,670	to	57,630
47-5042	Mine Cutting & Channeling Machine Operators	MT OJT	PA	22.54	46,880	49,390	30,440	55,100	33,770	to	55,560
47-5049	Mining Machine Operators, Other	MT OJT	PA	18.87	39,250	35,590	28,970	44,390	30,460	to	50,970
47-5051	Rock Splitters, Quarry	MT OJT	PA	18.33	38,120	37,990	30,730	41,820	32,660	to	43,910
47-5061	Roof Bolters, Mining	MT OJT	PA	25.86	53,800	54,070	49,230	56,080	49,900	to	58,240
47-5071	Roustabouts, Oil & Gas	MT OJT	PA	18.01	37,470	34,390	25,270	43,570	27,890	to	44,910
47-5081	Helpers--Extraction Workers	ST OJT	PA	14.94	31,070	28,610	24,630	34,280	25,850	to	33,490
47-5099	Extraction Workers, Other	MT OJT	PA	22.20	46,170	46,940	32,770	52,860	37,780	to	55,560

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49-0000	**Installation, Maintenance & Repair Occupations**	**#**	**CTY**	**21.27**	**44,250**	**42,140**	**29,110**	**51,820**	**33,210**	**to**	**53,600**
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	CTY	33.05	68,740	67,500	48,110	79,060	53,720	to	81,890
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	CTY	18.53	38,540	36,590	27,880	43,870	29,920	to	45,670
49-2021	Radio, Cellular & Tower Equipment Installers & Repairers	AD	PA	22.34	46,460	43,680	33,670	52,850	35,880	to	56,490
49-2022	Telecommunications Equipment Installers & Repairers	PS	CTY	28.31	58,890	63,920	41,640	67,520	53,460	to	70,240
49-2091	Avionics Technicians	PS	PA	30.35	63,130	59,390	45,310	72,040	50,050	to	80,250
49-2092	Electric Motor, Power Tool & Related Repairers	PS	MSA	22.07	45,910	47,860	33,910	51,910	38,530	to	54,930
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equipment	PS	PA	21.29	44,290	39,270	33,090	49,890	34,890	to	46,710
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS	CTY	25.47	52,970	53,180	43,120	57,900	47,240	to	58,310
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS	WIA	32.40	67,390	68,230	54,080	74,040	58,780	to	76,200
49-2096	Electronic Equipment Installers & Repairers, Motor Vehicles	PS	PA	13.55	28,180	26,950	20,670	31,930	22,430	to	32,900
49-2097	Electronic Home Entertainment Equipment Installers & Repairers	PS	PA	17.78	36,990	39,090	25,200	42,880	28,280	to	45,000
49-2098	Security & Fire Alarm Systems Installers	MT OJT	CTY	19.93	41,460	40,890	33,270	45,550	34,930	to	46,740
49-3011	Aircraft Mechanics & Service Technicians	PS	CTY	33.85	70,400	71,690	53,760	78,720	58,650	to	83,290
49-3021	Automotive Body & Related Repairers	MT OJT	CTY	17.50	36,400	35,110	32,790	38,200	32,390	to	37,820
49-3022	Automotive Glass Installers & Repairers	MT OJT	PA	14.32	29,780	28,970	22,010	33,660	23,340	to	35,220

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49-3023	Automotive Service Technicians & Mechanics	LT OJT	CTY	18.47	38,420	39,600	25,730	44,760	29,860	to	45,450
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	CTY	20.40	42,430	41,650	32,610	47,340	35,430	to	47,170
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	CTY	16.10	33,490	30,780	27,370	36,550	27,530	to	40,400
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	CTY	20.52	42,680	41,000	26,810	50,620	28,340	to	55,270
49-3043	Rail Car Repairers	LT OJT	PA	22.52	46,840	45,090	34,790	52,860	39,070	to	56,670
49-3051	Motorboat Mechanics & Service Technicians	LT OJT	PA	15.20	31,620	31,130	21,650	36,600	23,030	to	38,540
49-3052	Motorcycle Mechanics	LT OJT	PA	16.40	34,110	34,010	24,050	39,140	26,900	to	41,280
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	CTY	14.52	30,200	31,170	24,460	33,070	27,040	to	35,060
49-3091	Bicycle Repairers	MT OJT	PA	11.73	24,390	25,320	17,920	27,630	19,470	to	28,810
49-3092	Recreational Vehicle Service Technicians	LT OJT	MSA	17.18	35,720	30,780	27,660	39,750	27,700	to	42,360
49-3093	Tire Repairers & Changers	MT OJT	CTY	12.82	26,670	26,480	21,860	29,070	23,140	to	29,570
49-9011	Mechanical Door Repairers	MT OJT	PA	16.38	34,060	34,100	22,730	39,730	25,920	to	39,780
49-9012	Control & Valve Installers & Repairers	MT OJT	WIA	27.35	56,890	58,120	33,840	68,420	41,460	to	71,270
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS	CTY	20.38	42,390	41,580	32,950	47,110	35,710	to	47,350
49-9031	Home Appliance Repairers	MT OJT	CTY	16.03	33,340	33,120	25,820	37,090	27,670	to	39,100
49-9041	Industrial Machinery Mechanics	LT OJT	CTY	24.65	51,270	51,460	37,260	58,270	41,310	to	58,680

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49-9043	Maintenance Workers, Machinery	MT OJT	CTY	19.22	39,970	39,550	32,200	43,850	34,120	to	45,500
49-9044	Millwrights	LT OJT	WIA	29.03	60,390	59,030	47,840	66,670	51,300	to	70,240
49-9045	Refractory Materials Repairers	PS	PA	18.74	38,980	37,000	32,230	42,360	33,030	to	43,870
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	CTY	28.02	58,280	61,890	42,630	66,100	49,330	to	69,330
49-9052	Telecommunications Line Installers & Repairers	LT OJT	CTY	30.82	64,100	67,240	56,040	68,130	62,630	to	71,860
49-9061	Camera & Photographic Equipment Repairers	AD	PA	20.31	42,240	35,930	30,350	48,180	31,890	to	44,540
49-9062	Medical Equipment Repairers	AD	CTY	21.00	43,680	41,680	32,530	49,260	35,140	to	47,830
49-9063	Musical Instrument Repairers & Tuners	PS	PA	17.13	35,630	35,650	24,980	40,960	27,980	to	42,640
49-9064	Watch Repairers	LT OJT	PA	17.03	35,410	31,930	17,030	44,600	18,760	to	50,820
49-9069	Precision Instrument & Equipment Repairers, Other	AD	WIA	22.04	45,850	48,200	30,980	53,280	34,660	to	56,170
49-9071	Maintenance & Repair Workers, General	MT OJT	CTY	18.16	37,780	37,980	26,180	43,580	29,970	to	45,300
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	CTY	15.20	31,610	29,000	23,200	35,810	25,240	to	36,960
49-9094	Locksmiths & Safe Repairers	LT OJT	CTY	16.93	35,220	35,140	28,290	38,680	31,760	to	38,980
49-9095	Manufactured Building & Mobile Home Installers	MT OJT	PA	14.88	30,960	30,220	19,650	36,610	22,160	to	37,350
49-9096	Riggers	ST OJT	PA	27.23	56,640	53,890	36,280	66,820	43,210	to	77,730
49-9097	Signal & Track Switch Repairers	PS	PA	17.59	36,590	34,510	29,700	40,030	31,300	to	37,710

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49-9098	Helpers--Installation, Maintenance & Repair Workers	MT OJT	CTY	14.08	29,290	26,930	19,380	34,250	20,890	to	38,130
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	CTY	18.69	38,880	48,600	21,940	47,360	22,280	to	53,830
51-0000	**Production Occupations**	**#**	**CTY**	**17.15**	**35,670**	**33,210**	**22,880**	**42,070**	**25,370**	**to**	**43,100**
51-1011	Supervisors - Production & Operating Workers	PS	CTY	29.59	61,540	58,770	42,090	71,260	46,410	to	72,190
51-2011	Aircraft Structure, Surfaces, Rigging & Systems Assemblers	MT OJT	PA	23.74	49,370	46,170	34,130	56,990	38,570	to	64,780
51-2021	Coil Winders, Tapers & Finishers	ST OJT	WIA	13.67	28,430	26,900	18,430	33,430	20,020	to	33,190
51-2022	Electrical & Electronic Equipment Assemblers	ST OJT	CTY	14.24	29,610	28,720	21,470	33,680	24,630	to	34,620
51-2023	Electromechanical Equipment Assemblers	ST OJT	CTY	19.44	40,440	40,080	33,760	43,780	34,750	to	45,490
51-2031	Engine & Other Machine Assemblers	ST OJT	CTY	19.06	39,650	38,780	33,260	42,850	34,310	to	44,870
51-2041	Structural Metal Fabricators & Fitters	MT OJT	CTY	17.59	36,580	36,390	25,660	42,040	28,160	to	43,910
51-2091	Fiberglass Laminators & Fabricators	MT OJT	PA	14.96	31,110	29,890	24,640	34,350	25,750	to	35,810
51-2092	Team Assemblers	MT OJT	CTY	14.89	30,970	28,760	21,740	35,590	23,590	to	36,760
51-2099	Assemblers & Fabricators, Other	MT OJT	CTY	13.22	27,490	26,340	21,360	30,560	22,330	to	30,710
51-3011	Bakers	LT OJT	CTY	12.32	25,620	23,300	16,960	29,950	18,310	to	31,800
51-3021	Butchers & Meat Cutters	LT OJT	CTY	15.57	32,380	32,670	22,060	37,540	25,640	to	38,420
51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	WIA	11.24	23,380	23,180	19,560	25,290	20,710	to	26,660

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51-3023	Slaughterers & Meat Packers	MT OJT	PA	13.02	27,080	25,840	20,020	30,610	21,680	to	31,720
51-3091	Food & Tobacco Roasting, Baking & Drying Machine Operators & Tenders	MT OJT	PA	15.36	31,950	32,000	20,850	37,500	22,900	to	40,380
51-3092	Food Batchmakers	ST OJT	CTY	17.33	36,040	39,970	22,680	42,730	24,660	to	44,740
51-3093	Food Cooking Machine Operators & Tenders	ST OJT	WIA	16.07	33,420	29,570	27,370	36,450	26,960	to	41,790
51-3099	Food Processing Workers, Other	ST OJT	PA	11.17	23,230	22,800	18,510	25,590	19,980	to	26,730
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	CTY	18.30	38,070	39,020	30,540	41,840	32,590	to	44,080
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	MT OJT	CTY	27.79	57,810	55,980	39,460	66,980	43,830	to	71,860
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	19.00	39,520	41,660	25,450	46,550	28,700	to	48,360
51-4022	Forging Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	15.83	32,930	30,020	24,600	37,090	25,780	to	41,140
51-4023	Rolling Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	14.68	30,540	29,790	24,860	33,390	26,000	to	35,140
51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	16.38	34,060	33,900	26,100	38,050	28,460	to	39,460
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.80	32,870	32,870	27,540	35,540	28,880	to	36,370
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	16.46	34,230	33,220	26,130	38,290	28,360	to	37,570
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	17.72	36,860	38,320	27,450	41,570	29,710	to	43,510
51-4035	Milling & Planing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	16.46	34,240	33,340	27,140	37,790	28,640	to	37,950
51-4041	Machinists	LT OJT	CTY	20.75	43,150	43,040	33,290	48,080	36,660	to	49,380

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51-4051	Metal-Refining Furnace Operators & Tenders	MT OJT	WIA	17.21	35,790	34,970	30,130	38,620	31,430	to	39,340
51-4052	Pourers & Casters, Metal	MT OJT	CTY	17.30	35,980	35,790	30,500	38,710	31,580	to	40,900
51-4061	Model Makers, Metal & Plastic	LT OJT	WIA	19.30	40,140	37,720	31,850	44,280	33,050	to	47,870
51-4062	Patternmakers, Metal & Plastic	LT OJT	CTY	15.12	31,450	31,490	27,720	33,310	28,360	to	35,010
51-4071	Foundry Mold & Coremakers	MT OJT	CTY	18.22	37,910	36,550	33,650	40,040	33,360	to	42,310
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	13.55	28,180	26,880	20,110	32,220	21,880	to	33,990
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	17.16	35,700	34,190	27,720	39,690	28,340	to	43,090
51-4111	Tool & Die Makers	LT OJT	CTY	19.45	40,460	39,050	33,010	44,180	34,020	to	46,200
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	CTY	17.68	36,770	35,970	28,860	40,720	31,510	to	42,230
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	WIA	19.02	39,550	40,400	30,960	43,850	34,350	to	45,700
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	14.15	29,430	31,840	19,180	34,560	21,690	to	36,100
51-4192	Layout Workers, Metal & Plastic	MT OJT	CTY	17.56	36,530	36,170	34,880	37,350	33,650	to	38,690
51-4193	Plating & Coating Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	18.39	38,240	39,770	31,070	41,830	33,840	to	44,120
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	WIA	15.24	31,690	29,850	23,640	35,720	24,990	to	36,550
51-4199	Metal Workers & Plastic Workers, Other	MT OJT	PA	18.07	37,590	35,040	22,450	45,170	26,660	to	50,510
51-5111	Prepress Technician & Workers	PS	CTY	18.03	37,510	37,620	20,840	45,840	26,560	to	50,050

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51-5112	Printing Press Operators	MT OJT	CTY	15.62	32,490	29,460	20,500	38,480	22,300	to	40,670
51-5113	Print Binding & Finishing Workers	ST OJT	CTY	14.76	30,690	31,790	22,440	34,820	25,900	to	35,680
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	CTY	11.11	23,100	22,250	18,790	25,260	20,040	to	24,590
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	CTY	12.48	25,960	23,330	19,030	29,420	20,490	to	33,900
51-6031	Sewing Machine Operators	ST OJT	CTY	13.92	28,950	29,170	21,100	32,870	22,990	to	34,890
51-6041	Shoe & Leather Workers & Repairers	MT OJT	PA	13.01	27,050	26,960	16,980	32,090	18,680	to	32,710
51-6042	Shoe Machine Operators & Tenders	ST OJT	PA	11.71	24,360	24,920	19,390	26,840	20,930	to	28,310
51-6051	Sewers, Hand	MT OJT	PA	10.24	21,300	21,290	18,780	22,560	19,670	to	22,910
51-6052	Tailors, Dressmakers & Custom Sewers	MT OJT	CTY	22.98	47,810	50,790	36,370	53,520	38,420	to	56,250
51-6061	Textile Bleaching & Dyeing Machine Operators & Tenders	ST OJT	PA	12.32	25,620	23,940	18,360	29,240	19,850	to	30,250
51-6062	Textile Cutting Machine Setters, Operators & Tenders	MT OJT	CTY	12.63	26,280	25,560	20,940	28,940	21,620	to	30,230
51-6063	Textile Knitting & Weaving Machine Setters, Operators & Tenders	MT OJT	WIA	14.74	30,670	28,980	27,620	32,190	26,780	to	31,940
51-6064	Textile Winding, Twisting & Drawing Out Machine Setters, Operators & Tenders	MT OJT	PA	13.49	28,060	27,500	20,470	31,860	23,070	to	31,510
51-6091	Extruding & Forming Machine Setters, Operators & Tenders, Synthetic & Glass Fibers	MT OJT	PA	15.03	31,250	29,650	21,500	36,130	22,740	to	40,130
51-6092	Fabric & Apparel Patternmakers	MT OJT	CTY	23.38	48,620	47,890	43,710	51,080	43,610	to	54,440
51-6093	Upholsterers	MT OJT	CTY	15.99	33,260	30,670	27,710	36,040	27,680	to	39,460

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51-6099	Textile, Apparel & Furnishings Workers, Other	ST OJT	PA	21.64	45,020	50,670	28,310	53,370	41,730	to	55,320
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	CTY	16.79	34,930	34,580	28,710	38,040	30,830	to	38,210
51-7021	Furniture Finishers	ST OJT	WIA	15.44	32,120	33,360	27,560	34,410	30,760	to	35,980
51-7031	Model Makers, Wood	MT OJT	WIA	18.25	37,960	36,010	34,380	39,760	33,340	to	38,920
51-7032	Patternmakers, Wood	MT OJT	PA	18.73	38,960	36,150	27,450	44,710	31,280	to	49,780
51-7041	Sawing Machine Setters, Operators & Tenders, Wood	ST OJT	WIA	10.24	21,300	21,050	17,330	23,280	18,920	to	22,960
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	CTY	17.94	37,320	36,400	33,670	39,150	33,520	to	39,730
51-7099	Woodworkers, Other	MT OJT	PA	20.61	42,860	44,820	33,180	47,700	39,150	to	47,300
51-8011	Nuclear Power Reactor Operators	LT OJT	PA	35.57	73,980	75,800	60,020	80,960	63,570	to	86,070
51-8012	Power Distributors & Dispatchers	LT OJT	PA	36.79	76,520	71,580	52,890	88,330	59,420	to	88,620
51-8013	Power Plant Operators	LT OJT	WIA	31.12	64,730	66,780	57,510	68,340	62,010	to	71,550
51-8021	Stationary Engineers & Boiler Operators	LT OJT	CTY	20.16	41,930	42,570	32,530	46,620	35,500	to	47,530
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	CTY	24.09	50,100	49,160	41,960	54,170	43,480	to	56,630
51-8091	Chemical Plant & System Operators	LT OJT	CTY	29.01	60,340	53,780	39,400	70,820	42,380	to	82,200
51-8092	Gas Plant Operators	LT OJT	PA	24.98	51,960	51,830	39,380	58,250	43,510	to	59,320
51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	LT OJT	CTY	31.18	64,850	66,020	54,160	70,190	59,370	to	72,150

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51-8099	Plant & System Operators, Other	LT OJT	PA	23.90	49,700	51,040	36,950	56,080	41,520	to	57,590
51-9011	Chemical Equipment Operators & Tenders	MT OJT	CTY	22.86	47,540	48,630	35,180	53,720	41,520	to	56,410
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	MSA	19.73	41,050	40,960	23,010	50,060	24,390	to	49,500
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	CTY	17.78	36,990	41,730	20,170	45,400	21,990	to	46,710
51-9022	Grinding & Polishing Workers, Hand	MT OJT	WIA	14.29	29,720	28,440	26,060	31,550	26,080	to	30,790
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	CTY	21.79	45,320	42,960	33,040	51,460	36,170	to	53,480
51-9031	Cutters & Trimmers, Hand	ST OJT	CTY	11.17	23,230	24,730	17,190	26,260	18,850	to	27,740
51-9032	Cutting & Slicing Machine Setters, Operators & Tenders	ST OJT	CTY	15.27	31,760	30,120	27,290	34,000	27,200	to	35,880
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	CTY	15.82	32,910	29,850	21,900	38,410	23,020	to	42,880
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	MT OJT	WIA	21.95	45,650	49,710	32,950	52,000	35,350	to	55,290
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	CTY	19.60	40,760	38,620	28,720	46,780	31,020	to	46,380
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	PA	21.79	45,320	45,770	30,310	52,820	35,980	to	54,910
51-9081	Dental Laboratory Technicians	MT OJT	WIA	18.72	38,930	33,800	26,360	45,220	28,430	to	39,860
51-9082	Medical Appliance Technicians	LT OJT	MSA	28.94	60,200	47,930	36,640	71,980	38,640	to	81,400
51-9083	Ophthalmic Laboratory Technicians	MT OJT	CTY	12.29	25,570	23,600	19,450	28,630	20,640	to	31,300
51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	CTY	15.64	32,540	32,270	21,610	38,000	24,580	to	41,120

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51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	CTY	16.09	33,460	33,850	25,120	37,630	27,660	to	38,680
51-9122	Painters, Transportation Equipment	MT OJT	CTY	21.12	43,930	39,410	34,640	48,580	35,120	to	51,960
51-9123	Painting, Coating & Decorating Workers	MT OJT	WIA	18.35	38,160	37,720	30,650	41,920	33,420	to	44,430
51-9141	Semiconductor Processors	AD	PA	17.26	35,890	35,520	25,800	40,940	27,550	to	43,910
51-9151	Photographic Process Workers & Processing Machine Operators	ST OJT	CTY	11.32	23,550	20,230	16,900	26,870	17,670	to	27,610
51-9191	Adhesive Bonding Machine Operators & Tenders	MT OJT	PA	14.38	29,900	28,090	19,450	35,130	21,990	to	35,370
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators & Tenders	MT OJT	MSA	11.47	23,850	22,080	21,610	24,970	20,770	to	23,400
51-9193	Cooling & Freezing Equipment Operators & Tenders	MT OJT	PA	14.94	31,070	29,490	19,960	36,620	21,970	to	40,270
51-9194	Etchers & Engravers	MT OJT	PA	15.38	32,000	30,150	22,680	36,660	24,360	to	38,090
51-9195	Molders, Shapers & Casters, Except Metal & Plastic	LT OJT	WIA	18.68	38,860	39,940	30,560	43,010	33,210	to	45,180
51-9196	Paper Goods Machine Setters, Operators & Tenders	MT OJT	CTY	17.99	37,410	33,380	27,600	42,310	28,210	to	44,780
51-9197	Tire Builders	MT OJT	PA	14.18	29,490	28,330	23,010	32,730	24,230	to	34,230
51-9198	Helpers--Production Workers	ST OJT	CTY	12.85	26,720	24,970	21,030	29,560	21,900	to	29,740
51-9199	Production Workers, Other	MT OJT	CTY	14.81	30,800	29,290	21,720	35,340	24,280	to	37,700
53-0000	**Transportation & Material Moving Occupations**	**#**	**CTY**	**15.80**	**32,870**	**30,990**	**20,820**	**38,900**	**23,560**	**to**	**38,370**
53-1011	Aircraft Cargo Handling Supervisors	WK EXP	PA	20.96	43,600	41,230	32,620	49,090	34,290	to	53,950

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53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	CTY	23.82	49,540	47,770	36,950	55,840	40,850	to	57,510
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	CTY	28.14	58,540	56,660	41,220	67,200	46,390	to	68,490
53-2012	Commercial Pilots	LT OJT	CTY	*	90,930	87,580	55,520	108,630	59,560	to	109,560
53-2021	Air Traffic Controllers	AD	PA	55.47	115,370	126,050	69,500	138,310	82,050	to	147,470
53-3011	Ambulance Drivers & Attendants	MT OJT	CTY	13.88	28,870	28,810	24,640	30,990	25,890	to	31,910
53-3021	Bus Drivers, Transit & Intercity	MT OJT	CTY	17.64	36,700	39,170	24,940	42,580	28,810	to	44,880
53-3022	Bus Drivers, School or Special Client	MT OJT	CTY	12.79	26,600	23,260	17,760	31,020	19,400	to	33,780
53-3031	Driver/Sales Workers	ST OJT	CTY	13.60	28,300	23,130	16,690	34,100	17,970	to	34,520
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	CTY	20.62	42,890	39,840	32,740	47,970	34,330	to	47,480
53-3033	Light Truck or Delivery Services Drivers	ST OJT	CTY	14.37	29,900	28,000	19,360	35,170	21,770	to	35,940
53-3041	Taxi Drivers & Chauffeurs	ST OJT	CTY	11.21	23,310	22,550	16,700	26,620	18,270	to	27,840
53-3099	Motor Vehicle Operators, Other	ST OJT	CTY	17.34	36,080	42,310	16,820	45,700	18,170	to	49,820
53-4011	Locomotive Engineers	WK EXP	PA	23.22	48,300	46,840	38,380	53,270	41,570	to	56,140
53-4013	Rail Yard Engineers, Dinkey Operators & Hostlers	MT OJT	PA	20.66	42,970	42,440	32,010	48,460	35,000	to	50,790
53-4021	Railroad Brake, Signal & Switch Operators	MT OJT	PA	26.64	55,410	54,160	42,230	62,000	46,940	to	61,090
53-4031	Railroad Conductors & Yardmasters	MT OJT	PA	24.03	49,990	46,380	39,010	55,480	40,940	to	59,470

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LEHIGH COUNTY LABOR MARKET AREA

MAY 2012

(Note: When data for a specific occupation is not available, the most relevant area containing this occupation has been provided, see Area Type.)

SOC Code	Occupational Title	Educ. Level	Area Type	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
53-4099	Rail Transportation Workers, Other	MT OJT	PA	25.14	52,290	53,510	44,130	56,370	49,000	to	58,020
53-5011	Sailors & Marine Oilers	ST OJT	PA	21.22	44,140	35,850	25,060	53,690	27,030	to	44,840
53-5021	Captains, Mates & Pilots of Water Vessels	BD	PA	27.34	56,860	46,180	27,120	71,730	30,840	to	70,080
53-5031	Ship Engineers	BD	PA	50.40	104,840	68,070	45,190	134,670	49,850	to	122,680
53-6011	Bridge & Lock Tenders	ST OJT	PA	25.14	52,300	52,000	48,170	54,360	50,170	to	54,880
53-6021	Parking Lot Attendants	ST OJT	CTY	9.86	20,520	18,880	16,720	22,420	17,080	to	24,970
53-6031	Automotive & Watercraft Service Attendants	ST OJT	MSA	8.97	18,650	18,420	16,830	19,560	16,920	to	20,370
53-6041	Traffic Technicians	ST OJT	PA	22.93	47,690	45,130	40,100	51,490	40,820	to	53,920
53-6051	Transportation Inspectors	PS	PA	37.73	78,480	72,480	49,290	93,080	56,840	to	103,540
53-6061	Transportation Attendants	ST OJT	MSA	10.25	21,310	21,490	17,140	23,400	18,830	to	23,820
53-6099	Transportation Workers, Other	ST OJT	PA	20.50	42,640	42,070	32,250	47,830	36,130	to	50,040
53-7011	Conveyor Operators & Tenders	ST OJT	CTY	12.18	25,330	25,140	21,820	27,080	22,360	to	28,220
53-7021	Crane & Tower Operators	WK EXP	CTY	19.53	40,630	40,940	33,280	44,310	35,620	to	44,980
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	WIA	19.70	40,970	38,400	34,650	44,120	34,660	to	46,490
53-7033	Loading Machine Operators, Underground Mining	ST OJT	PA	23.77	49,440	49,260	42,920	52,690	44,590	to	55,130
53-7041	Hoist & Winch Operators	MT OJT	PA	16.53	34,380	32,880	26,490	38,330	27,960	to	38,320

* - Occupation generally not compensated at an hourly rate
\# - No data available due to limitations in methodology

PA - Statewide; MSA - Metropolitan Statistical Area;
WIA - Workforce Investment Area; CTY - County

PENNSYLVANIA OCCUPATIONAL WAGES
LEHIGH COUNTY LABOR MARKET AREA

MAY 2012

(Note: When data for a specific occupation is not available, the most relevant area containing this occupation has been provided, see Area Type.)

SOC Code	Occupational Title	Educ. Level	Area Type	Average Hourly Wage ($)	Average Annual Wage ($)	Median Annual Wage ($)	Entry Annual Wage ($)	Exper'd Annual Wage ($)	Mid Range Annual Wage ($)		
53-7051	Industrial Truck & Tractor Operators	ST OJT	CTY	15.93	33,130	32,550	26,910	36,240	28,600	to	36,540
53-7061	Cleaners of Vehicles & Equipment	ST OJT	CTY	10.95	22,770	21,020	16,630	25,840	17,660	to	27,180
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	CTY	13.96	29,040	28,350	20,680	33,210	22,790	to	34,860
53-7063	Machine Feeders & Offbearers	ST OJT	CTY	14.94	31,080	29,310	19,870	36,680	21,990	to	41,050
53-7064	Packers & Packagers, Hand	ST OJT	CTY	11.20	23,300	21,710	17,120	26,390	18,240	to	27,900
53-7071	Gas Compressor & Gas Pumping Station Operators	MT OJT	MSA	24.64	51,250	53,110	32,700	60,520	41,130	to	59,960
53-7072	Pump Operators	MT OJT	PA	22.49	46,780	50,400	24,020	58,160	27,180	to	65,970
53-7073	Wellhead Pumpers	MT OJT	PA	18.94	39,390	38,870	26,910	45,630	30,500	to	48,060
53-7081	Refuse & Recyclable Material Collectors	ST OJT	CTY	12.31	25,610	26,650	17,230	29,800	18,930	to	30,550
53-7111	Mine Shuttle Car Operators	ST OJT	PA	25.38	52,790	53,520	49,370	54,500	49,730	to	57,310
53-7121	Tank Car, Truck & Ship Loaders	ST OJT	PA	20.93	43,540	39,410	29,510	50,560	32,320	to	53,870
53-7199	Material Moving Workers, Other	ST OJT	CTY	14.24	29,630	29,270	20,190	34,350	22,600	to	35,210

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