PENNSYLVANIA OCCUPATIONAL WAGES
CRAWFORD 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**	**17.56**	**36,520**	**29,550**	**18,550**	**45,510**	**20,460**	**to**	**44,190**
11-0000	**Management Occupations**	**#**	**CTY**	**39.07**	**81,270**	**70,370**	**38,940**	**102,430**	**46,950**	**to**	**96,760**
11-1011	Chief Executives	BD+	CTY	78.85	164,020	148,840	91,460	200,300	108,630	to	#
11-1021	General & Operations Managers	AD+	CTY	44.75	93,070	73,550	43,570	117,820	48,470	to	119,700
11-1031	Legislators (Includes all local elected officials)	BD+	WIA	*	45,130	20,110	16,990	59,190	17,680	to	77,040
11-2011	Advertising & Promotions Managers	BD+	WIA	44.98	93,550	74,610	45,670	117,490	47,580	to	137,340
11-2021	Marketing Managers	BD+	CTY	37.39	77,770	80,190	46,920	93,200	52,090	to	95,010
11-2022	Sales Managers	BD+	CTY	39.34	81,820	81,740	50,200	97,630	60,100	to	96,690
11-2031	Public Relations & Fundraising Managers	BD+	WIA	35.13	73,080	70,360	42,170	88,530	48,430	to	89,450
11-3011	Administrative Services Managers	WK EXP	CTY	29.36	61,080	62,720	41,220	71,010	45,650	to	73,790
11-3021	Computer & Information Systems Managers	BD+	WIA	46.14	95,980	91,140	67,360	110,290	78,500	to	109,930
11-3031	Financial Managers	BD+	CTY	34.52	71,800	71,690	49,240	83,080	55,210	to	87,380
11-3051	Industrial Production Managers	BD+	CTY	34.46	71,670	69,630	47,150	83,920	54,940	to	88,390
11-3061	Purchasing Managers	BD+	WIA	45.46	94,560	85,580	59,420	112,130	62,980	to	127,500
11-3071	Transportation, Storage & Distribution Managers	WK EXP	WIA	41.53	86,380	77,640	54,110	102,510	63,660	to	106,310
11-3111	Compensation & Benefits Managers	BD+	WIA	38.09	79,220	75,760	61,200	88,230	67,530	to	93,110

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MAY 2012

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11-3121	Human Resources Managers	BD+	WIA	44.78	93,140	83,660	53,500	112,950	59,230	to	118,230
11-3131	Training & Development Managers	BD+	PA	56.30	117,110	106,690	71,990	139,670	81,860	to	141,850
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	34.71	72,200	72,920	60,900	77,840	64,040	to	82,640
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	WIA	22.40	46,590	41,140	33,600	53,080	35,310	to	48,150
11-9032	Education Administrators, Elementary & Secondary School	MD+	CTY	*	82,000	85,940	73,570	86,220	80,470	to	91,420
11-9033	Education Administrators, Postsecondary	MD+	CTY	28.53	59,350	48,620	32,000	73,020	34,320	to	84,900
11-9039	Education Administrators, Other	BD+	CTY	26.09	54,260	48,310	43,930	59,430	43,910	to	67,840
11-9041	Architectural & Engineering Managers	BD+	CTY	36.82	76,580	78,010	61,140	84,310	66,000	to	88,860
11-9051	Food Service Managers	WK EXP	WIA	25.37	52,760	48,550	36,840	60,720	39,020	to	66,260
11-9061	Funeral Service Managers	AD	WIA	31.95	66,450	61,330	34,190	82,590	36,220	to	103,820
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	WIA	21.54	44,800	40,900	28,870	52,770	30,100	to	63,070
11-9111	Medical & Health Services Managers	BD	CTY	31.17	64,840	54,700	37,960	78,280	40,870	to	69,130
11-9121	Natural Sciences Managers	BD+	WIA	46.58	96,890	98,820	72,550	109,060	78,000	to	109,880
11-9131	Postmasters & Mail Superintendents	WK EXP	CTY	30.97	64,410	68,050	49,480	71,880	56,810	to	73,640

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11-9141	Property, Real Estate & Community Association Managers	WK EXP	CTY	31.64	65,800	67,280	34,850	81,280	35,920	to	99,210
11-9151	Social & Community Service Managers	BD+	CTY	18.71	38,920	33,670	27,430	44,660	28,540	to	43,230
11-9161	Emergency Management Directors	BD+	WIA	21.97	45,710	38,880	29,180	53,970	31,400	to	57,570
11-9199	Managers, Other	WK EXP	WIA	46.99	97,740	96,680	56,870	118,180	75,890	to	109,580
13-0000	**Business & Financial Operations Occupations**	**#**	**CTY**	**24.76**	**51,510**	**47,770**	**29,270**	**62,630**	**36,100**	**to**	**61,990**
13-1011	Agents & Business Managers of Artists, Performers & Athletes	BD+	PA	28.24	58,740	41,980	26,180	75,020	29,010	to	64,320
13-1021	Buyers & Purchasing Agents, Farm Products	LT OJT	PA	28.87	60,050	56,720	41,590	69,280	46,340	to	70,870
13-1022	Wholesale & Retail Buyers	LT OJT	WIA	24.06	50,040	51,070	32,880	58,620	40,080	to	57,970
13-1023	Purchasing Agents	LT OJT	CTY	20.94	43,560	41,440	26,380	52,160	28,310	to	50,550
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	WIA	29.63	61,630	59,270	43,810	70,550	48,160	to	74,610
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	26.47	55,060	50,790	37,970	63,600	42,160	to	69,490
13-1051	Cost Estimators	BD	CTY	22.48	46,750	44,980	37,970	51,140	39,670	to	51,900
13-1071	Human Resources Specialists	BD	CTY	30.77	64,010	53,240	37,170	77,430	42,790	to	83,310
13-1075	Labor Relations Specialists	BD	WIA	17.84	37,100	28,490	17,050	47,130	18,000	to	48,710
13-1081	Logisticians	BD+	WIA	32.19	66,960	63,950	48,180	76,360	54,120	to	79,960

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13-1111	Management Analysts	BD+	CTY	34.55	71,860	68,330	56,470	79,550	61,700	to	75,480
13-1121	Meeting, Convention & Event Planners	BD	WIA	18.46	38,410	36,250	27,300	43,960	30,220	to	47,310
13-1131	Fundraisers	TBD	WIA	22.73	47,280	47,050	32,670	54,590	35,960	to	57,250
13-1141	Compensation, Benefits & Job Analysis Specialists	BD	WIA	29.71	61,800	57,940	43,860	70,760	48,900	to	70,390
13-1151	Training & Development Specialists	BD	CTY	20.79	43,250	45,050	29,230	50,260	34,090	to	53,970
13-1161	Market Research Analysts & Marketing Specialists	BD	CTY	22.39	46,570	37,390	27,120	56,300	31,830	to	56,220
13-1199	Business Operations Specialists, Other	LT OJT	CTY	25.96	54,000	49,430	40,620	60,690	42,680	to	65,100
13-2011	Accountants & Auditors	BD	CTY	27.48	57,160	51,250	33,890	68,800	41,070	to	67,460
13-2021	Appraisers & Assessors of Real Estate	LT OJT	WIA	18.36	38,190	35,140	25,810	44,380	29,920	to	43,940
13-2031	Budget Analysts	BD	WIA	30.81	64,080	57,420	48,180	72,040	49,940	to	71,750
13-2041	Credit Analysts	BD	WIA	33.02	68,680	60,280	42,700	81,680	49,570	to	91,090
13-2051	Financial Analysts	BD	WIA	24.28	50,500	46,830	25,860	62,820	26,960	to	69,900
13-2052	Personal Financial Advisors	BD	WIA	40.08	83,380	69,700	41,540	104,300	50,630	to	108,360
13-2053	Insurance Underwriters	BD	WIA	32.64	67,900	62,960	46,110	78,790	50,690	to	83,790
13-2061	Financial Examiners	BD	WIA	36.02	74,930	79,860	55,680	84,550	63,120	to	88,510
13-2071	Credit Counselors	BD	WIA	19.87	41,320	35,950	33,460	45,250	33,100	to	49,780

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13-2072	Loan Officers	MT OJT	CTY	28.67	59,630	59,580	49,350	64,770	52,900	to	66,000
13-2081	Tax Examiners & Collectors & Revenue Agents	BD	WIA	15.73	32,710	25,700	17,300	40,420	18,580	to	38,910
13-2082	Tax Preparers	MT OJT	CTY	12.01	24,980	23,390	20,640	27,150	21,140	to	26,690
13-2099	Financial Specialists, Other	BD	WIA	31.11	64,710	61,620	44,060	75,030	47,460	to	76,580
15-0000	**Computer & Mathematical Occupations**	**#**	**CTY**	**25.24**	**52,500**	**49,200**	**30,160**	**63,670**	**34,620**	**to**	**66,730**
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	27.39	56,960	55,780	44,040	63,420	50,630	to	60,960
15-1122	Information Security Analysts	TBD	WIA	31.66	65,850	65,420	50,350	73,600	56,920	to	72,570
15-1131	Computer Programmers	BD	CTY	33.20	69,060	62,630	42,510	82,340	47,740	to	95,400
15-1132	Software Developers, Applications	BD	WIA	33.97	70,660	69,460	47,550	82,210	55,000	to	85,810
15-1133	Software Developers, Systems Software	BD	WIA	35.99	74,870	67,020	43,490	90,560	53,460	to	83,270
15-1134	Web Developers	TBD	WIA	22.56	46,940	43,760	28,990	55,910	34,100	to	57,330
15-1141	Database Administrators	BD+	WIA	29.81	62,010	59,340	38,490	73,760	44,960	to	73,990
15-1142	Network & Computer Systems Administrators	BD	CTY	25.59	53,240	52,180	34,100	62,800	39,620	to	69,430
15-1143	Computer Network Architects	TBD	WIA	34.42	71,600	70,220	45,990	84,400	53,350	to	87,190
15-1151	Computer User Support Specialists	TBD	CTY	15.80	32,870	30,110	23,340	37,640	25,560	to	38,160

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15-1152	Computer Network Support Specialists	TBD	WIA	24.37	50,680	49,300	35,560	58,240	38,880	to	59,830
15-1199	Computer Occupations, Other	BD	CTY	20.36	42,350	36,220	33,900	46,570	33,210	to	53,950
15-2011	Actuaries	BD+	PA	52.40	108,990	101,020	63,100	131,940	77,340	to	135,090
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	WIA	31.44	65,390	64,760	41,680	77,240	47,790	to	80,150
15-2041	Statisticians	MD	PA	32.31	67,200	63,280	43,900	78,860	47,590	to	80,470
17-0000	**Architecture & Engineering Occupations**	**#**	**CTY**	**27.40**	**56,990**	**58,280**	**34,730**	**68,120**	**43,330**	**to**	**72,040**
17-1011	Architects	BD	WIA	33.07	68,780	68,790	58,020	74,160	62,820	to	74,750
17-1012	Landscape Architects	BD	PA	30.58	63,610	57,800	46,230	72,300	49,980	to	77,950
17-1021	Cartographers & Photogrammetrists	BD	PA	25.17	52,350	49,860	36,870	60,090	40,340	to	58,720
17-1022	Surveyors	BD	WIA	21.12	43,930	42,940	27,540	52,130	29,190	to	55,610
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	PA	40.33	83,890	81,750	59,810	95,930	66,920	to	95,160
17-2041	Chemical Engineers	BD	WIA	46.68	97,090	98,590	70,950	110,170	81,580	to	117,150
17-2051	Civil Engineers	BD	CTY	28.17	58,590	57,660	44,220	65,770	48,340	to	64,080

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17-2061	Computer Hardware Engineers	BD	PA	39.18	81,500	74,780	54,880	94,810	61,140	to	102,750
17-2071	Electrical Engineers	BD	CTY	31.52	65,570	66,820	48,770	73,970	54,660	to	75,760
17-2072	Electronics Engineers	BD	WIA	40.50	84,250	75,060	48,990	101,880	54,780	to	110,440
17-2081	Environmental Engineers	BD	WIA	30.56	63,560	60,230	49,130	70,780	54,190	to	75,020
17-2111	Health & Safety Engineers	BD	WIA	29.51	61,380	55,480	34,560	74,780	35,570	to	86,380
17-2112	Industrial Engineers	BD	CTY	33.37	69,420	69,720	53,600	77,330	59,630	to	78,510
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	36.58	76,100	74,820	55,250	86,520	61,110	to	90,910
17-2141	Mechanical Engineers	BD	CTY	29.11	60,560	58,220	45,360	68,160	49,800	to	71,760
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	WIA	43.49	90,460	80,340	53,830	108,770	62,060	to	96,470
17-2199	Engineers, Other	BD	WIA	31.13	64,750	58,200	47,480	73,390	51,380	to	83,440
17-3011	Architectural & Civil Drafters	AD	WIA	20.40	42,430	40,090	31,340	47,970	33,970	to	49,810
17-3012	Electrical & Electronics Drafters	AD	PA	27.61	57,440	56,590	39,520	66,390	45,400	to	69,530
17-3013	Mechanical Drafters	AD	CTY	24.26	50,460	46,890	34,500	58,440	39,420	to	66,230

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17-3019	Drafters, Other	AD	PA	21.97	45,700	38,390	27,040	55,030	28,950	to	57,420
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	WIA	21.51	44,750	43,580	34,440	49,900	38,760	to	53,470
17-3023	Electrical & Electronic Engineering Technicians	AD	CTY	21.73	45,190	51,870	26,700	54,440	30,520	to	56,790
17-3024	Electro-Mechanical Technicians	AD	WIA	23.39	48,650	46,730	26,090	59,920	28,700	to	67,030
17-3025	Environmental Engineering Technicians	AD	WIA	12.84	26,700	22,900	22,030	29,040	21,330	to	24,460
17-3026	Industrial Engineering Technicians	AD	WIA	23.55	48,990	47,990	31,820	57,580	35,990	to	60,560
17-3027	Mechanical Engineering Technicians	AD	WIA	24.50	50,970	51,460	35,460	58,720	38,500	to	59,920
17-3029	Engineering Technicians, Other	AD	WIA	30.75	63,970	61,680	32,500	79,700	38,150	to	87,570
17-3031	Surveying & Mapping Technicians	MT OJT	WIA	16.56	34,440	31,720	25,910	38,700	27,120	to	38,900
19-0000	**Life, Physical & Social Science Occupations**	**#**	**CTY**	**26.69**	**55,510**	**46,950**	**28,830**	**68,850**	**32,920**	**to**	**67,000**
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	34.41	71,570	68,150	36,430	89,140	38,530	to	99,550
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	PA	48.56	101,000	94,820	66,890	118,050	77,550	to	121,310
19-1022	Microbiologists	BD	PA	35.15	73,110	63,510	49,890	84,720	53,220	to	82,670

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19-1023	Zoologists & Wildlife Biologists	BD	WIA	30.01	62,430	61,680	49,510	68,880	55,350	to	72,700
19-1029	Biological Scientists, Other	PhD	WIA	29.10	60,520	61,450	45,440	68,060	52,990	to	69,990
19-1031	Conservation Scientists	BD	WIA	31.85	66,240	65,050	45,350	76,690	56,930	to	75,690
19-1032	Foresters	BD	WIA	28.46	59,190	58,130	41,350	68,100	46,130	to	71,990
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	PA	48.26	100,380	86,990	52,650	124,240	61,010	to	124,490
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	28.77	59,840	55,320	32,970	73,280	48,270	to	71,210
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	34.33	71,400	68,320	55,110	79,540	59,320	to	81,950
19-2042	Geoscientists	BD	WIA	31.17	64,830	64,100	51,520	71,480	53,400	to	78,380
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	43.09	89,630	83,290	61,160	103,870	65,410	to	109,110

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19-3022	Survey Researchers	BD	PA	14.92	31,040	26,930	17,630	37,740	19,190	to	36,900
19-3031	Clinical, Counseling & School Psychologists	PhD	CTY	48.20	100,260	70,060	58,060	121,350	64,050	to	95,530
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	WIA	19.43	40,420	36,020	30,560	45,350	31,690	to	51,380
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	PA	18.06	37,560	35,560	24,430	44,120	27,790	to	44,880
19-4021	Biological Technicians	BD	WIA	20.28	42,190	38,210	27,490	49,540	27,990	to	55,360
19-4031	Chemical Technicians	AD	WIA	20.15	41,920	41,340	32,140	46,810	35,480	to	46,920
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

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19-4091	Environmental Science & Protection Technicians	AD	WIA	18.51	38,500	36,550	28,760	43,360	30,920	to	44,340
19-4093	Forest & Conservation Technicians	AD	WIA	21.27	44,240	42,660	31,480	50,630	34,910	to	53,940
19-4099	Life, Physical & Social Science Technicians, Other	AD	PA	22.71	47,230	44,410	29,440	56,130	33,830	to	58,740
21-0000	**Community & Social Services Occupations**	**#**	**CTY**	**15.72**	**32,710**	**29,440**	**20,280**	**38,920**	**22,850**	**to**	**41,410**
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	CTY	17.84	37,100	35,300	26,930	42,180	29,590	to	39,460
21-1012	Educational, Guidance, School & Vocational Counselors	MD	CTY	17.83	37,080	33,430	19,870	45,690	22,920	to	50,060
21-1013	Marriage & Family Therapists	MD	WIA	17.80	37,030	37,720	26,900	42,100	31,010	to	44,390
21-1014	Mental Health Counselors	MD	CTY	14.56	30,290	26,020	21,200	34,840	22,110	to	37,740
21-1015	Rehabilitation Counselors	MD	CTY	10.21	21,240	18,030	16,690	23,510	16,640	to	19,430
21-1019	Counselors, Other	MD	PA	24.30	50,540	51,710	35,460	58,090	43,160	to	59,110
21-1021	Child, Family & School Social Workers	BD	WIA	17.28	35,950	34,220	25,860	41,000	28,380	to	40,830
21-1022	Healthcare Social Workers	MD	CTY	19.94	41,480	37,240	31,190	46,630	33,130	to	47,200
21-1023	Mental Health & Substance Abuse Social Workers	BD	CTY	15.09	31,390	28,750	23,920	35,130	25,380	to	36,010
21-1029	Social Workers, Other	BD	WIA	28.27	58,790	61,220	44,020	66,180	49,040	to	65,050
21-1091	Health Educators	BD	WIA	19.68	40,930	36,950	29,980	46,410	32,480	to	46,900
21-1092	Probation Officers & Correctional Treatment Specialists	BD	WIA	22.36	46,500	45,910	33,720	52,900	36,380	to	55,100

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21-1093	Social & Human Service Assistants	ST OJT	CTY	11.73	24,390	22,970	18,250	27,460	19,800	to	28,330
21-1094	Community Health Workers	TBD	WIA	15.82	32,900	33,600	27,420	35,640	31,100	to	36,110
21-1099	Community & Social Service Specialists, Other	BD	WIA	26.66	55,460	58,240	37,600	64,380	47,240	to	64,350
21-2011	Clergy	BD	WIA	18.81	39,130	36,290	29,030	44,180	31,860	to	44,570
21-2021	Directors, Religious Activities & Education	BD+	WIA	18.95	39,420	21,820	17,090	50,590	18,440	to	65,760
21-2099	Religious Workers, Other	BD	PA	13.30	27,670	24,350	17,220	32,890	18,850	to	33,520
23-0000	**Legal Occupations**	**#**	**CTY**	**24.08**	**50,100**	**39,210**	**33,340**	**58,470**	**34,560**	**to**	**61,960**
23-1011	Lawyers	PhD	CTY	27.90	58,020	50,850	34,590	69,740	36,660	to	71,110
23-1012	Judicial Law Clerks	PhD	WIA	19.95	41,500	37,730	29,280	47,600	32,860	to	49,230
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	BD+	WIA	26.22	54,530	51,940	36,040	63,770	38,060	to	68,190
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	WIA	34.54	71,850	64,920	55,160	80,200	56,540	to	74,860
23-2011	Paralegals & Legal Assistants	AD	WIA	17.60	36,610	34,640	26,990	41,420	28,720	to	41,340
23-2091	Court Reporters	ST OJT	WIA	22.65	47,120	48,910	35,390	52,980	40,020	to	55,880
23-2093	Title Examiners, Abstractors & Searchers	ST OJT	WIA	14.32	29,780	25,360	20,400	34,480	21,650	to	36,180
23-2099	Legal Support Workers, Other	ST OJT	WIA	17.66	36,740	35,960	25,420	42,400	31,730	to	38,830

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25-0000	**Education, Training & Library Occupations**	**#**	**CTY**	**25.24**	**52,490**	**50,350**	**32,020**	**62,730**	**38,070**	**to**	**65,690**
25-1011	Business Teachers, Postsecondary	PhD	WIA	*	76,650	73,530	47,480	91,230	52,630	to	93,430
25-1021	Computer Science Teachers, Postsecondary	PhD	WIA	*	73,320	66,730	38,920	90,520	44,580	to	86,490
25-1022	Mathematical Science Teachers, Postsecondary	PhD	WIA	*	71,750	66,500	46,340	84,460	49,220	to	83,600
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	PA	*	114,980	110,770	64,820	140,050	75,720	to	145,690
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	WIA	*	102,190	88,590	57,140	124,720	65,550	to	120,370
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	PA	*	91,900	82,500	53,550	111,070	58,930	to	115,700
25-1052	Chemistry Teachers, Postsecondary	PhD	WIA	*	78,170	72,530	49,100	92,700	55,960	to	95,370
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	WIA	*	65,120	62,000	47,600	73,880	50,140	to	76,080
25-1061	Anthropology & Archeology Teachers, Postsecondary	PhD	WIA	*	98,420	83,060	38,270	128,500	42,470	to	111,780
25-1062	Area, Ethnic & Cultural Studies Teachers, Postsecondary	PhD	PA	*	88,680	74,610	49,030	108,500	56,850	to	107,750
25-1063	Economics Teachers, Postsecondary	PhD	WIA	*	99,670	97,090	57,100	120,950	71,050	to	115,380

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25-1064	Geography Teachers, Postsecondary	PhD	PA	*	84,130	80,440	51,420	100,490	59,250 to 102,190
25-1065	Political Science Teachers, Postsecondary	PhD	WIA	*	77,800	75,640	58,500	87,460	65,340 to 91,160
25-1066	Psychology Teachers, Postsecondary	PhD	WIA	*	85,340	78,990	51,130	102,440	57,550 to 106,850
25-1067	Sociology Teachers, Postsecondary	PhD	WIA	*	78,060	70,700	47,790	93,200	53,990 to 90,660
25-1069	Social Sciences Teachers, Postsecondary, Other	PhD	PA	*	75,690	74,700	49,540	88,770	55,100 to 91,480
25-1071	Health Specialties Teachers, Postsecondary	PhD	PA	*	100,020	76,290	47,130	126,470	55,200 to 129,520
25-1072	Nursing Instructors & Teachers, Postsecondary	MD	WIA	*	76,370	66,720	46,100	91,500	51,610 to 83,440
25-1081	Education Teachers, Postsecondary	PhD	WIA	*	72,470	66,400	44,880	86,260	47,940 to 91,340
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	PA	*	79,690	67,980	45,600	96,730	50,220 to 93,320
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	WIA	*	68,920	67,860	44,410	81,180	48,040 to 85,950
25-1122	Communications Teachers, Postsecondary	PhD	WIA	*	66,700	62,310	42,330	78,880	46,420 to 79,860
25-1123	English Language & Literature Teachers, Postsecondary	PhD	WIA	*	76,210	68,990	45,530	91,560	50,030 to 92,190
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	WIA	*	67,910	65,930	42,440	80,650	46,720 to 84,510

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25-1125	History Teachers, Postsecondary	PhD	WIA	*	77,840	73,240	47,950	92,780	55,850	to	93,380
25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	PA	*	73,620	67,480	44,510	88,170	51,860	to	88,890
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	24.57	51,110	46,640	40,790	56,270	41,880	to	60,600
25-1199	Postsecondary Teachers, Other	PhD	WIA	*	119,790	91,080	40,450	159,460	52,370	to	173,750
25-2011	Preschool Teachers	AD	WIA	14.37	29,900	29,730	21,200	34,250	23,820	to	35,610
25-2012	Kindergarten Teachers	BD	CTY	*	48,800	48,970	39,820	53,300	42,620	to	55,680
25-2021	Elementary School Teachers	BD	CTY	*	57,230	54,530	43,660	64,020	46,180	to	65,440
25-2022	Middle School Teachers	BD	WIA	*	53,330	53,240	43,300	58,340	47,680	to	58,980
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	WIA	*	50,360	49,430	36,110	57,490	40,870	to	60,390
25-2032	Career/Technical Education Teachers, Secondary School	BD+	WIA	*	52,140	52,870	36,080	60,170	39,520	to	65,130
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	WIA	*	72,530	65,250	47,230	85,180	51,250	to	101,510

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25-2053	Special Education Teachers, Middle School	BD	WIA	*	52,650	53,210	50,270	53,840	49,630	to	56,790
25-2054	Special Education Teachers, Secondary School	BD	CTY	*	60,960	62,980	45,640	68,620	51,940	to	71,790
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	23.29	48,450	40,590	32,270	56,540	34,140	to	64,240
25-3021	Self-Enrichment Education Teachers	WK EXP	WIA	12.99	27,020	25,780	16,740	32,160	18,360	to	33,660
25-3098	Substitute Teachers	#	CTY	13.86	28,820	26,750	22,250	32,110	22,730	to	34,780
25-3099	Teachers & Instructors, Other	BD	WIA	*	36,240	35,910	19,720	44,510	20,710	to	46,270
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	20.12	41,860	26,680	21,860	51,860	22,320	to	62,450
25-4013	Museum Technicians & Conservators	BD	PA	19.95	41,490	38,070	26,630	48,910	29,150	to	48,290
25-4021	Librarians	MD	CTY	26.17	54,420	58,380	38,180	62,550	42,560	to	67,400
25-4031	Library Technicians	PS	CTY	16.61	34,540	29,810	27,220	38,200	27,000	to	39,340
25-9011	Audio-Visual & Multimedia Collections Specialists	BD+	PA	20.29	42,200	40,200	24,140	51,220	28,330	to	54,310
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	18.30	38,060	36,520	31,080	41,560	32,340	to	43,160
25-9041	Teacher Assistants	ST OJT	CTY	*	27,430	27,670	21,220	30,530	23,220	to	31,520

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25-9099	Education, Training & Library Workers, Other	BD	PA	21.35	44,420	41,170	21,900	55,680	24,710	to	51,820
27-0000	**Arts, Design, Entertainment, Sports & Media Occupations**	**#**	**CTY**	**13.49**	**28,060**	**21,030**	**16,880**	**33,650**	**17,790**	**to**	**34,490**
27-1011	Art Directors	BD+	PA	40.41	84,050	73,970	48,460	101,840	56,840	to	100,790
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	PA	29.14	60,610	53,360	38,410	71,710	42,940	to	72,490
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	PA	29.42	61,190	59,370	39,700	71,930	46,080	to	77,840
27-1022	Fashion Designers	LT OJT	PA	29.27	60,890	50,110	36,400	73,140	40,190	to	69,670
27-1023	Floral Designers	ST OJT	WIA	9.51	19,790	19,630	17,040	21,160	17,600	to	22,470
27-1024	Graphic Designers	BD	CTY	13.79	28,680	19,290	16,710	34,660	17,320	to	37,720
27-1025	Interior Designers	BD	WIA	19.10	39,740	41,150	27,120	46,040	30,640	to	50,520
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	WIA	13.69	28,470	27,380	21,640	31,880	23,360	to	31,480
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	PA	16.16	#	#	#	#	#	to	#

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27-2012	Producers & Directors	BD+	WIA	21.08	43,840	38,510	21,080	55,220	22,700	to	65,840
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	WIA	*	33,230	21,860	16,930	41,370	17,740	to	44,470
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+	WIA	33.38	69,420	64,390	33,340	87,460	44,500	to	102,720
27-2042	Musicians & Singers	LT OJT	PA	35.12	#	#	#	#	#	to	#
27-2099	Entertainers & Performers, Sports & Related Workers, Other	ST OJT	PA	21.34	#	#	#	#	#	to	#
27-3011	Radio & Television Announcers	BD	WIA	12.77	26,560	22,260	16,800	31,440	18,500	to	29,060
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	13.55	28,180	24,920	18,250	33,150	19,810	to	32,760
27-3031	Public Relations Specialists	BD	CTY	13.20	27,460	19,400	16,900	32,740	17,450	to	35,000
27-3041	Editors	BD+	WIA	21.39	44,500	33,320	24,900	54,290	26,830	to	47,810
27-3042	Technical Writers	BD+	PA	32.55	67,700	67,530	46,070	78,510	53,090	to	82,180
27-3043	Writers & Authors	BD	WIA	12.94	26,920	20,700	16,710	32,030	17,840	to	33,500

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27-3091	Interpreters & Translators	BD	WIA	20.61	42,870	43,380	42,570	43,020	40,970	to	45,790
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	WIA	16.22	33,740	33,900	16,710	42,250	18,380	to	40,160
27-4012	Broadcast Technicians	AD	WIA	15.69	32,630	33,420	22,030	37,930	23,300	to	41,130
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	WIA	13.18	27,410	22,370	16,770	32,730	18,190	to	36,250
27-4031	Camera Operators: TV, Video & Motion Picture	BD	PA	23.80	49,510	37,270	26,710	60,910	29,690	to	59,710
27-4032	Film & Video Editors	BD+	PA	27.64	57,490	47,850	31,980	70,250	36,510	to	73,790
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**	**32.99**	**68,620**	**53,200**	**33,760**	**86,050**	**39,960**	**to**	**72,370**
29-1011	Chiropractors	PhD	WIA	29.41	61,180	50,760	39,420	72,050	42,100	to	67,700
29-1021	Dentists, General	PhD	WIA	43.40	90,260	66,690	55,600	107,590	57,460	to	128,760
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	WIA	22.55	46,900	49,010	28,520	56,090	33,520	to	58,500
29-1041	Optometrists	PhD	WIA	46.43	96,580	91,460	83,450	103,140	84,440	to	107,550

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29-1051	Pharmacists	PhD	CTY	48.72	101,330	96,250	74,850	114,570	84,160	to	113,150
29-1061	Anesthesiologists	PhD	WIA	93.54	194,560	#	80,710	251,480	130,700	to	#
29-1062	Family & General Practitioners	PhD	CTY	58.20	121,050	144,520	54,210	154,470	46,760	to	165,210
29-1063	Internists, General	PhD	WIA	123.31	256,480	#	#	#	#	to	#
29-1064	Obstetricians & Gynecologists	PhD	PA	119.18	247,880	#	218,190	#	#	to	#
29-1065	Pediatricians, General	PhD	PA	76.92	159,990	147,100	113,970	183,010	127,480	to	182,020
29-1066	Psychiatrists	PhD	WIA	89.87	186,940	175,530	159,230	200,790	161,150	to	#
29-1067	Surgeons	PhD	WIA	118.87	247,260	#	#	#	#	to	#
29-1069	Physicians & Surgeons, Other	PhD	CTY	107.16	222,890	#	#	#	174,750	to	#
29-1071	Physician Assistants	MD	WIA	33.51	69,700	68,240	46,140	81,480	48,560	to	84,580
29-1081	Podiatrists	PhD	PA	66.50	138,330	120,650	70,050	172,470	81,090	to	174,840
29-1122	Occupational Therapists	MD	CTY	33.55	69,780	69,030	56,510	76,410	61,610	to	77,620
29-1123	Physical Therapists	PhD	CTY	33.45	69,570	69,280	57,060	75,830	61,600	to	76,730
29-1124	Radiation Therapists	AD	WIA	29.05	60,410	63,810	38,800	71,220	43,520	to	74,500
29-1125	Recreational Therapists	BD	WIA	19.41	40,360	35,740	25,460	47,820	29,210	to	51,590
29-1126	Respiratory Therapists	AD	WIA	23.65	49,190	48,570	40,270	53,640	42,700	to	56,200

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29-1127	Speech-Language Pathologists	MD	CTY	35.48	73,800	57,240	44,530	88,440	46,760	to	92,860
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	PA	26.01	54,100	50,500	35,160	63,570	40,280	to	59,660
29-1131	Veterinarians	PhD	WIA	47.64	99,090	86,340	65,940	115,660	73,230	to	103,800
29-1141	Registered Nurses	TBD	CTY	25.16	52,340	52,370	41,580	57,710	45,560	to	58,650
29-1151	Nurse Anesthetists	TBD	WIA	61.69	128,320	120,700	109,520	137,730	109,560	to	141,940
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	32.11	66,780	66,270	54,120	73,110	57,370	to	74,050
29-1181	Audiologists	PhD	WIA	24.95	51,890	46,030	43,770	55,950	42,670	to	62,540
29-1199	Health Diagnosing & Treating Practitioners, Other	MD	PA	36.14	75,170	66,440	49,680	87,920	56,140	to	82,570
29-2011	Medical & Clinical Laboratory Technologists	BD	CTY	26.75	55,640	52,940	40,250	63,330	43,890	to	66,150
29-2012	Medical & Clinical Laboratory Technicians	AD	CTY	16.05	33,390	33,040	25,020	37,570	27,810	to	37,380
29-2021	Dental Hygienists	AD	CTY	26.50	55,110	55,610	54,810	55,260	52,320	to	58,900
29-2031	Cardiovascular Technologists & Technicians	AD	WIA	20.91	43,500	39,960	25,000	52,750	27,480	to	55,490
29-2032	Diagnostic Medical Sonographers	AD	WIA	25.93	53,940	51,460	42,670	59,570	44,410	to	61,110
29-2033	Nuclear Medicine Technologists	AD	WIA	28.54	59,350	56,370	49,730	64,170	50,760	to	64,900

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29-2034	Radiologic Technologists	AD	CTY	24.95	51,900	50,930	38,080	58,800	42,090	to	61,050
29-2035	Magnetic Resonance Imaging Technologists	TBD	WIA	23.69	49,280	49,340	43,400	52,220	44,420	to	55,010
29-2041	Emergency Medical Technicians & Paramedics	PS	WIA	12.79	26,600	25,650	20,460	29,670	21,890	to	30,050
29-2051	Dietetic Technicians	MT OJT	WIA	8.87	18,460	18,130	16,660	19,360	16,680	to	19,860
29-2052	Pharmacy Technicians	MT OJT	CTY	12.32	25,620	23,850	20,920	27,960	21,560	to	29,030
29-2053	Psychiatric Technicians	PS	WIA	13.50	28,080	27,200	22,410	30,910	23,660	to	30,380
29-2054	Respiratory Therapy Technicians	AD	WIA	17.00	35,360	34,420	27,680	39,200	29,970	to	39,310
29-2055	Surgical Technologists	PS	WIA	15.42	32,060	31,580	26,170	35,010	27,380	to	36,310
29-2056	Veterinary Technologists & Technicians	AD	WIA	12.02	25,000	25,100	16,840	29,090	18,500	to	29,980
29-2057	Ophthalmic Medical Technicians	TBD	PA	15.86	32,990	32,670	25,570	36,700	27,560	to	37,020
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	CTY	17.31	36,010	35,210	32,320	37,850	32,360	to	38,300
29-2071	Medical Records & Health Information Technicians	PS	CTY	15.58	32,420	32,260	21,480	37,880	24,370	to	40,310
29-2081	Opticians, Dispensing	LT OJT	CTY	14.09	29,310	27,330	23,810	32,060	24,630	to	30,060
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	WIA	22.17	46,120	43,620	29,720	54,320	32,380	to	53,940

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29-9011	Occupational Health & Safety Specialists	BD	CTY	20.71	43,070	43,170	27,990	50,610	28,940	to	53,970
29-9012	Occupational Health & Safety Technicians	MT OJT	WIA	24.49	50,950	45,800	34,240	59,300	36,700	to	61,210
29-9091	Athletic Trainers	BD	WIA	*	34,740	35,260	26,380	38,920	31,190	to	40,130
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	PA	24.48	50,920	44,080	29,160	61,800	32,800	to	64,050
31-0000	**Healthcare Support Occupations**	**#**	**CTY**	**12.07**	**25,110**	**23,370**	**19,090**	**28,120**	**20,330**	**to**	**29,050**
31-1011	Home Health Aides	ST OJT	CTY	9.53	19,820	20,080	16,960	21,250	17,880	to	22,360
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	12.82	26,670	25,360	20,510	29,750	21,570	to	32,030
31-1015	Orderlies	TBD	WIA	13.98	29,070	29,440	20,880	33,170	22,950	to	34,990
31-2011	Occupational Therapy Assistants	AD	WIA	20.10	41,800	41,900	30,180	47,610	33,660	to	49,170
31-2012	Occupational Therapy Aides	ST OJT	WIA	14.05	29,230	25,480	18,140	34,780	19,660	to	34,870
31-2021	Physical Therapist Assistants	AD	CTY	17.48	36,350	32,370	27,290	40,880	27,630	to	44,040
31-2022	Physical Therapist Aides	MT OJT	WIA	13.92	28,950	28,140	22,800	32,030	24,270	to	32,730
31-9011	Massage Therapists	PS	WIA	17.57	36,550	26,540	17,300	46,180	18,930	to	41,400
31-9091	Dental Assistants	PS	CTY	14.90	30,990	31,130	27,060	32,960	27,270	to	35,140

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31-9092	Medical Assistants	MT OJT	CTY	12.31	25,600	24,110	20,750	28,020	21,450	to	28,240
31-9093	Medical Equipment Preparers	MT OJT	WIA	12.74	26,500	25,680	20,570	29,460	21,890	to	30,250
31-9094	Medical Transcriptionists	PS	CTY	14.56	30,280	28,250	21,650	34,600	22,860	to	36,100
31-9095	Pharmacy Aides	ST OJT	WIA	10.41	21,660	18,480	16,610	24,180	16,840	to	28,270
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	WIA	11.23	23,360	23,140	17,160	26,450	18,720	to	27,710
31-9097	Phlebotomists	TBD	CTY	11.94	24,830	23,340	21,600	26,450	21,390	to	27,440
31-9099	Healthcare Support Workers, Other	ST OJT	WIA	16.19	33,670	34,910	23,450	38,790	26,030	to	39,660
33-0000	**Protective Service Occupations**	**#**	**CTY**	**20.45**	**42,540**	**40,310**	**23,400**	**52,100**	**29,790**	**to**	**54,050**
33-1011	Supervisors - Correctional Officers	WK EXP	PA	31.69	65,920	65,620	52,050	72,860	57,940	to	73,680
33-1012	Supervisors - Police & Detectives	WK EXP	CTY	30.81	64,080	61,380	39,070	76,590	43,850	to	74,640
33-1021	Supervisors - Fire Fighting & Prevention	PS+	PA	33.29	69,240	69,820	50,200	78,760	60,080	to	83,110
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	WIA	24.53	51,020	51,200	36,740	58,160	43,080	to	59,550
33-2011	Firefighters	PS	WIA	19.34	40,220	42,130	26,500	47,080	33,560	to	49,360
33-2021	Fire Inspectors & Investigators	WK EXP	PA	24.37	50,690	47,220	35,790	58,150	40,330	to	60,380
33-3011	Bailiffs	MT OJT	PA	11.45	23,810	22,050	16,720	27,360	17,970	to	28,220
33-3012	Correctional Officers & Jailers	MT OJT	WIA	21.11	43,910	44,270	33,890	48,920	37,990	to	48,190

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33-3021	Detectives & Criminal Investigators	WK EXP	WIA	37.50	78,010	85,320	49,860	92,080	56,360	to	91,750
33-3041	Parking Enforcement Workers	ST OJT	PA	13.91	28,940	27,560	19,760	33,530	21,820	to	34,780
33-3051	Police & Sheriff's Patrol Officers	MT OJT	CTY	28.22	58,700	56,760	39,010	68,550	47,630	to	75,000
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	PA	15.70	32,660	32,090	18,980	39,500	21,220	to	42,960
33-9021	Private Detectives & Investigators	PS+	PA	22.89	47,610	41,550	28,760	57,040	30,700	to	63,250
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	12.99	27,030	27,450	18,210	31,440	20,020	to	32,920
33-9091	Crossing Guards	ST OJT	CTY	8.07	16,780	17,340	16,560	16,890	16,260	to	18,430
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	WIA	8.32	17,320	17,410	16,610	17,670	16,300	to	18,520
33-9093	Transportation Security Screeners	MT OJT	WIA	16.60	34,530	33,790	29,120	37,240	29,130	to	36,730
33-9099	Protective Service Workers, Other	ST OJT	PA	18.46	38,390	34,030	27,360	43,900	34,010	to	44,430
35-0000	**Food Preparation & Serving Related Occupations**	**#**	**CTY**	**9.95**	**20,700**	**18,800**	**16,850**	**22,620**	**17,100**	**to**	**22,310**
35-1011	Chefs & Head Cooks	WK EXP	CTY	17.53	36,460	36,040	27,180	41,100	28,840	to	42,700
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	CTY	14.80	30,780	24,280	21,400	35,460	21,730	to	36,330
35-2011	Cooks, Fast Food	ST OJT	WIA	9.16	19,060	18,850	16,830	20,180	17,120	to	21,600

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35-2012	Cooks, Institution & Cafeteria	ST OJT	CTY	12.68	26,370	27,090	19,030	30,040	21,070	to	30,610
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	10.28	21,380	20,330	16,960	23,590	18,020	to	22,930
35-2015	Cooks, Short Order	ST OJT	CTY	10.14	21,090	19,300	16,920	23,180	17,370	to	25,290
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	10.36	21,550	20,990	16,760	23,940	18,060	to	23,980
35-3011	Bartenders	ST OJT	CTY	8.92	18,550	18,010	16,700	19,470	16,640	to	19,490
35-3021	Combined Food Preparation & Serving Workers	ST OJT	CTY	9.05	18,820	17,870	16,730	19,860	16,600	to	19,150
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	CTY	8.90	18,520	18,470	16,960	19,300	16,980	to	20,380
35-3031	Waiters & Waitresses	ST OJT	CTY	8.92	18,560	18,360	16,930	19,370	16,910	to	20,040
35-3041	Food Servers, Nonrestaurant	ST OJT	WIA	8.89	18,490	18,110	16,830	19,320	16,760	to	19,480
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	WIA	8.77	18,240	18,270	16,880	18,920	16,860	to	19,750
35-9021	Dishwashers	ST OJT	CTY	8.64	17,980	18,160	16,970	18,480	16,830	to	19,500
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	CTY	8.69	18,070	18,000	17,030	18,590	16,770	to	19,240
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**	**11.76**	**24,450**	**22,500**	**16,750**	**28,300**	**18,230**	**to**	**29,820**

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37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	CTY	16.46	34,230	33,090	27,000	37,850	27,970	to	39,600
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	CTY	19.86	41,310	41,430	34,820	44,550	36,610	to	45,540
37-2011	Janitors & Cleaners	ST OJT	CTY	11.70	24,330	22,770	17,100	27,940	18,760	to	29,710
37-2012	Maids & Housekeeping Cleaners	ST OJT	CTY	8.96	18,640	18,000	16,630	19,650	16,620	to	19,430
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	11.40	23,700	23,060	17,630	26,740	19,210	to	28,030
37-3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	MT OJT	WIA	16.21	33,720	29,760	27,430	36,870	27,080	to	42,230
37-3013	Tree Trimmers & Pruners	ST OJT	PA	18.18	37,820	37,390	28,710	42,380	31,280	to	44,500
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**	**10.04**	**20,880**	**18,450**	**16,710**	**22,970**	**16,880**	**to**	**21,500**
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	29.30	60,950	80,080	23,250	79,800	28,150	to	88,570
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	9.30	19,340	18,150	16,840	20,580	16,770	to	19,610

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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
39-3021	Motion Picture Projectionists	ST OJT	PA	10.23	21,280	19,990	16,770	23,530	17,570	to	23,820
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	WIA	8.18	17,020	17,560	16,800	17,130	16,460	to	18,650
39-3091	Amusement & Recreation Attendants	ST OJT	CTY	8.26	17,180	17,720	16,930	17,300	16,600	to	18,840
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	PA	10.36	21,560	19,710	16,680	24,000	17,420	to	24,500
39-4021	Funeral Attendants	ST OJT	WIA	10.68	22,220	21,590	19,210	23,720	19,930	to	23,240
39-4031	Morticians, Undertakers & Funeral Directors	TBD	WIA	20.39	42,400	39,320	27,090	50,060	28,440	to	55,110
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	8.64	17,970	17,730	16,640	18,630	16,490	to	18,980
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	WIA	8.13	16,920	17,480	16,700	17,030	16,390	to	18,560
39-5093	Shampooers	ST OJT	PA	8.37	17,400	17,650	16,660	17,770	16,450	to	18,840
39-5094	Skincare Specialists	PS	PA	12.04	25,040	22,710	18,030	28,550	19,590	to	28,470
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

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39-7011	Tour Guides & Escorts	MT OJT	PA	10.59	22,030	20,900	16,670	24,700	17,860	to	24,720
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	9.48	19,710	19,470	16,800	21,170	17,430	to	22,230
39-9021	Personal Care Aides	ST OJT	WIA	8.91	18,530	18,120	16,660	19,460	16,690	to	19,760
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	WIA	11.92	24,800	19,590	16,720	28,840	17,440	to	29,520
39-9032	Recreation Workers	BD	CTY	13.05	27,150	22,160	17,760	31,850	19,310	to	31,450
39-9041	Residential Advisors	PS	CTY	13.82	28,760	27,580	25,560	30,350	25,370	to	29,800
39-9099	Personal Care & Service Workers, Other	ST OJT	WIA	10.08	20,960	21,310	18,820	22,030	19,760	to	22,860
41-0000	**Sales & Related Occupations**	**#**	**CTY**	**15.52**	**32,290**	**24,670**	**17,430**	**39,720**	**19,060**	**to**	**39,740**
41-1011	Supervisors - Retail Sales Workers	WK EXP	CTY	19.51	40,590	37,270	27,460	47,150	29,550	to	49,120
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	CTY	40.69	84,630	88,500	61,320	96,290	72,080	to	101,480
41-2011	Cashiers	ST OJT	CTY	9.16	19,050	18,730	16,850	20,150	17,100	to	21,350
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	11.54	24,000	19,980	16,930	27,540	17,670	to	33,370
41-2022	Parts Salespersons	MT OJT	CTY	12.84	26,710	26,360	21,690	29,220	22,340	to	30,700
41-2031	Retail Salespersons	ST OJT	CTY	12.96	26,950	22,700	17,050	31,900	18,620	to	31,420

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41-3011	Advertising Sales Agents	MT OJT	CTY	19.07	39,660	37,260	26,090	46,450	28,220	to	47,540
41-3021	Insurance Sales Agents	MT OJT	WIA	28.75	59,800	54,780	33,520	72,940	38,550	to	74,850
41-3031	Securities, Commodities & Financial Services Sales Agents	BD	WIA	28.52	59,330	37,750	27,630	75,180	30,180	to	71,130
41-3041	Travel Agents	MT OJT	WIA	14.04	29,200	29,390	20,130	33,730	22,870	to	35,140
41-3099	Sales Representatives, Other Services	ST OJT	CTY	17.27	35,920	30,440	24,060	41,850	25,270	to	49,930
41-4011	Sales Representatives, Technical & Scientific Products	BD	WIA	31.99	66,550	54,300	33,600	83,020	40,500	to	83,980
41-4012	Sales Representatives	MT OJT	CTY	27.40	56,990	51,800	33,250	68,860	37,980	to	65,020
41-9011	Demonstrators & Product Promoters	ST OJT	WIA	15.64	32,540	30,260	24,060	36,780	25,950	to	38,560
41-9021	Real Estate Brokers	WK EXP	PA	64.37	133,890	114,730	60,670	170,500	72,360	to	176,720
41-9022	Real Estate Sales Agents	LT OJT	CTY	16.94	35,230	35,260	34,710	35,490	33,160	to	37,360
41-9031	Sales Engineers	BD	CTY	28.80	59,910	56,860	43,430	68,150	45,330	to	73,980
41-9041	Telemarketers	ST OJT	WIA	8.58	17,840	17,780	16,580	18,470	16,490	to	19,070
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	WIA	12.77	26,560	22,040	17,280	31,200	18,860	to	29,620
43-0000	**Office & Administrative Support Occupations**	**#**	**CTY**	**14.19**	**29,500**	**26,880**	**19,290**	**34,620**	**21,120**	**to**	**35,800**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	CTY	21.07	43,830	41,280	31,290	50,100	33,900	to	51,530

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43-2011	Switchboard Operators	ST OJT	CTY	10.30	21,420	20,970	16,580	23,840	17,960	to	23,830
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	11.85	24,650	22,690	21,630	26,160	21,080	to	25,510
43-3021	Billing & Posting Clerks	ST OJT	CTY	14.00	29,110	28,740	24,350	31,490	25,840	to	32,200
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	CTY	14.24	29,630	30,110	19,300	34,790	21,700	to	36,430
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	16.51	34,330	34,340	26,560	38,220	29,360	to	40,060
43-3061	Procurement Clerks	MT OJT	CTY	13.57	28,230	25,210	22,160	31,270	22,360	to	32,430
43-3071	Tellers	ST OJT	WIA	10.94	22,760	22,470	19,020	24,620	20,250	to	24,890
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	WIA	19.10	39,720	39,060	28,910	45,130	32,650	to	48,320
43-4021	Correspondence Clerks	ST OJT	WIA	11.96	24,870	23,730	18,770	27,920	20,220	to	28,730
43-4031	Court, Municipal & License Clerks	MT OJT	CTY	10.27	21,360	17,890	16,690	23,690	16,570	to	19,210
43-4041	Credit Authorizers, Checkers & Clerks	ST OJT	WIA	20.83	43,320	34,530	24,820	52,570	26,390	to	65,680
43-4051	Customer Service Representatives	ST OJT	CTY	15.29	31,800	28,540	20,390	37,500	22,300	to	38,560

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43-4061	Eligibility Interviewers, Government Programs	AD	WIA	20.47	42,580	41,390	32,690	47,530	33,740	to	47,250
43-4071	File Clerks	ST OJT	CTY	14.15	29,430	31,660	18,990	34,650	21,210	to	36,800
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	WIA	9.43	19,610	18,830	16,810	21,020	17,120	to	22,000
43-4111	Interviewers	ST OJT	CTY	14.75	30,680	29,800	23,360	34,340	25,440	to	36,330
43-4121	Library Assistants, Clerical	ST OJT	CTY	11.00	22,870	22,590	18,630	25,000	19,990	to	25,940
43-4131	Loan Interviewers & Clerks	ST OJT	CTY	14.45	30,060	30,730	20,690	34,740	21,880	to	37,430
43-4141	New Accounts Clerks	ST OJT	WIA	13.50	28,090	27,990	24,540	29,860	25,280	to	30,850
43-4151	Order Clerks	ST OJT	CTY	12.17	25,310	25,750	16,950	29,480	18,550	to	29,350
43-4161	Human Resources Assistants	ST OJT	CTY	15.41	32,050	32,470	24,700	35,730	27,530	to	36,450
43-4171	Receptionists & Information Clerks	ST OJT	CTY	11.61	24,160	22,790	18,200	27,130	19,730	to	28,550
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	PA	15.51	32,270	30,260	21,240	37,780	23,310	to	41,860
43-4199	Information & Record Clerks, Other	ST OJT	WIA	19.25	40,040	38,790	30,000	45,060	34,460	to	45,380
43-5011	Cargo & Freight Agents	ST OJT	WIA	13.74	28,570	24,750	16,790	34,460	17,710	to	38,440
43-5021	Couriers & Messengers	ST OJT	CTY	12.15	25,280	22,620	17,870	28,980	19,340	to	27,190
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	WIA	14.57	30,310	28,230	22,310	34,310	23,760	to	36,420
43-5032	Dispatchers	MT OJT	WIA	18.20	37,850	35,920	28,140	42,700	30,730	to	43,630

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43-5041	Meter Readers, Utilities	ST OJT	CTY	18.21	37,870	36,680	27,760	42,930	31,350	to	45,280
43-5051	Postal Service Clerks	ST OJT	CTY	24.60	51,170	53,110	44,520	54,490	52,450	to	55,230
43-5052	Postal Service Mail Carriers	ST OJT	CTY	23.06	47,960	51,370	36,590	53,650	40,470	to	56,220
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	WIA	22.65	47,100	53,080	34,490	53,410	48,620	to	53,100
43-5061	Production, Planning & Expediting Clerks	MT OJT	CTY	19.81	41,200	41,210	22,520	50,550	25,180	to	54,760
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	CTY	16.04	33,370	31,240	22,240	38,930	24,090	to	40,140
43-5081	Stock Clerks & Order Fillers	ST OJT	CTY	11.40	23,720	22,240	17,320	26,920	18,930	to	26,990
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	WIA	13.66	28,410	28,030	20,230	32,490	23,880	to	33,660
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	CTY	22.49	46,780	43,670	31,300	54,510	34,180	to	58,260
43-6012	Legal Secretaries	MT OJT	WIA	16.59	34,500	34,470	25,910	38,790	29,120	to	39,020
43-6013	Medical Secretaries	MT OJT	CTY	13.25	27,550	25,410	20,810	30,920	21,870	to	32,130
43-6014	Secretaries	ST OJT	CTY	12.84	26,700	25,210	19,900	30,090	21,450	to	30,740
43-9011	Computer Operators	MT OJT	WIA	19.36	40,260	44,390	19,120	50,830	21,600	to	55,010
43-9021	Data Entry Keyers	MT OJT	CTY	9.84	20,460	19,070	16,940	22,220	17,280	to	23,190
43-9022	Word Processors & Typists	ST OJT	WIA	15.83	32,920	32,390	26,360	36,200	29,300	to	37,340
43-9031	Desktop Publishers	AD	PA	19.52	40,600	37,440	27,230	47,280	31,150	to	47,260

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43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	WIA	20.25	42,120	40,000	29,720	48,330	32,030	to	50,700
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	WIA	12.08	25,120	25,040	16,880	29,240	18,400	to	31,480
43-9061	Office Clerks, General	ST OJT	CTY	12.12	25,210	23,410	18,000	28,820	19,550	to	30,530
43-9071	Office Machine Operators	ST OJT	WIA	11.54	24,010	25,700	16,800	27,620	18,460	to	28,660
43-9081	Proofreaders & Copy Markers	BD	PA	16.83	35,010	33,990	23,860	40,580	26,870	to	43,370
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	WIA	14.59	30,340	28,400	21,680	34,670	23,420	to	36,570
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**CTY**	**13.89**	**28,900**	**27,240**	**18,690**	**34,010**	**21,130**	**to**	**35,800**
45-1011	Farm & Forestry Worker Supervisors	WK EXP	WIA	25.13	52,270	49,350	41,240	57,780	43,170	to	62,360
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	PA	12.18	25,330	23,800	17,100	29,440	18,730	to	28,980
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	WIA	15.06	31,340	33,460	19,890	37,060	22,430	to	39,330
45-2099	Agricultural Workers, Other	ST OJT	PA	17.04	35,440	36,780	21,170	42,580	23,350	to	45,410

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45-4011	Forest & Conservation Workers	MT OJT	PA	22.44	46,670	45,520	38,730	50,640	40,670	to	54,030
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	CTY	11.46	23,840	24,570	16,920	27,310	18,450	to	28,680
45-4023	Log Graders & Scalers	MT OJT	WIA	16.04	33,370	33,820	25,480	37,310	28,420	to	38,090
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**	**19.77**	**41,120**	**37,250**	**27,050**	**48,150**	**30,220**	**to**	**52,110**
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	CTY	31.55	65,620	67,590	49,910	73,480	57,270	to	74,590
47-2011	Boilermakers	LT OJT	PA	26.19	54,480	53,980	38,740	62,350	43,850	to	65,250
47-2021	Brickmasons & Blockmasons	LT OJT	WIA	15.39	32,020	29,260	26,920	34,560	26,590	to	37,780
47-2022	Stonemasons	LT OJT	PA	20.60	42,840	35,950	27,200	50,660	28,640	to	55,000
47-2031	Carpenters	LT OJT	CTY	15.21	31,640	31,790	27,240	33,840	28,200	to	35,240
47-2041	Carpet Installers	ST OJT	CTY	14.85	30,880	31,080	26,840	32,900	27,410	to	34,870
47-2042	Floor Layers	MT OJT	WIA	14.38	29,910	32,250	16,740	36,500	17,940	to	40,960
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	PA	22.68	47,160	43,280	30,290	55,600	33,740	to	57,250
47-2051	Cement Masons & Concrete Finishers	MT OJT	WIA	20.02	41,650	41,040	24,420	50,270	27,980	to	52,330

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47-2053	Terrazzo Workers & Finishers	LT OJT	PA	23.88	49,660	44,400	24,550	62,220	27,310	to	74,410
47-2061	Construction Laborers	ST OJT	CTY	18.75	39,010	36,160	25,340	45,840	29,000	to	52,200
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	WIA	19.10	39,730	35,470	27,420	45,890	28,190	to	52,780
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	21.45	44,620	39,390	31,130	51,360	32,130	to	54,710
47-2081	Drywall & Ceiling Tile Installers	MT OJT	WIA	16.08	33,440	32,890	27,160	36,580	29,140	to	36,180
47-2082	Tapers	MT OJT	PA	23.75	49,410	49,830	34,700	56,770	38,090	to	57,170
47-2111	Electricians	LT OJT	CTY	17.80	37,020	35,530	34,540	38,250	33,180	to	37,870
47-2121	Glaziers	LT OJT	WIA	16.59	34,500	30,110	19,700	41,900	22,320	to	49,570
47-2131	Insulation Workers, Floor, Ceiling & Wall	ST OJT	WIA	20.37	42,380	37,250	27,040	50,050	29,720	to	55,970
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	WIA	17.38	36,150	36,770	26,170	41,140	28,880	to	43,520
47-2142	Paperhangers	MT OJT	WIA	17.79	37,000	38,730	25,310	42,850	28,380	to	44,760
47-2151	Pipelayers	ST OJT	PA	22.53	46,870	45,480	33,230	53,690	37,090	to	57,210
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	WIA	22.96	47,760	43,630	30,130	56,580	34,020	to	62,490
47-2161	Plasterers & Stucco Masons	LT OJT	PA	22.19	46,160	46,920	34,700	51,890	37,080	to	54,430

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47-2171	Reinforcing Iron & Rebar Workers	LT OJT	PA	30.95	64,370	66,440	48,070	72,520	54,310	to	73,580
47-2181	Roofers	MT OJT	WIA	19.11	39,740	37,310	26,510	46,360	28,840	to	51,320
47-2211	Sheet Metal Workers	LT OJT	WIA	19.01	39,540	33,200	27,260	45,680	27,980	to	47,290
47-2221	Structural Iron & Steel Workers	LT OJT	WIA	13.64	28,380	26,500	21,250	31,950	22,360	to	33,400
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	PA	15.53	32,300	30,610	23,490	36,710	25,680	to	37,580
47-3012	Helpers--Carpenters	ST OJT	PA	13.14	27,330	25,660	20,560	30,720	21,840	to	31,430
47-3013	Helpers--Electricians	ST OJT	WIA	11.20	23,300	22,340	18,380	25,760	19,820	to	26,890
47-3014	Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	ST OJT	WIA	9.55	19,860	18,420	16,580	21,500	16,820	to	24,760
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	WIA	12.41	25,820	23,740	21,760	27,850	21,660	to	29,940
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	PA	14.29	29,730	25,020	17,620	35,790	19,170	to	36,270
47-4011	Construction & Building Inspectors	WK EXP	CTY	22.33	46,450	47,070	38,390	50,490	41,440	to	53,890
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	PA	19.69	40,960	37,350	29,120	46,870	31,280	to	48,490

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47-4051	Highway Maintenance Workers	MT OJT	CTY	15.15	31,510	30,090	24,020	35,260	26,230	to	36,670
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	WIA	16.51	34,350	30,730	26,160	38,440	27,260	to	41,970
47-4099	Construction & Related Workers, Other	MT OJT	PA	17.43	36,260	29,950	24,620	42,080	26,130	to	42,180
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	WIA	21.39	44,500	49,700	28,990	52,250	31,190	to	54,830
47-5013	Service Unit Operators, Oil, Gas & Mining	MT OJT	WIA	21.50	44,730	45,010	36,840	48,670	39,950	to	51,650
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	WIA	14.50	30,170	29,530	26,420	32,040	26,610	to	33,990
47-5081	Helpers--Extraction Workers	ST OJT	PA	14.94	31,070	28,610	24,630	34,280	25,850	to	33,490

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47-5099	Extraction Workers, Other	MT OJT	PA	22.20	46,170	46,940	32,770	52,860	37,780	to	55,560
49-0000	**Installation, Maintenance & Repair Occupations**	**#**	**CTY**	**17.36**	**36,110**	**33,830**	**22,140**	**43,090**	**25,230**	**to**	**44,230**
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	CTY	27.91	58,050	56,050	39,370	67,400	43,780	to	69,580
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	WIA	18.51	38,490	37,190	29,580	42,950	32,030	to	44,150
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	WIA	23.06	47,960	48,930	26,660	58,610	29,160	to	66,000
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	PA	18.16	37,780	36,680	27,400	42,970	30,440	to	44,690
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	25.44	52,920	54,290	49,140	54,800	50,470	to	56,760
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS	WIA	29.46	61,270	61,850	53,780	65,020	54,580	to	69,220
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	WIA	17.62	36,640	39,290	25,820	42,060	28,200	to	44,600
49-2098	Security & Fire Alarm Systems Installers	MT OJT	WIA	19.67	40,920	42,060	32,000	45,370	36,220	to	46,400
49-3011	Aircraft Mechanics & Service Technicians	PS	PA	24.43	50,820	52,760	34,250	59,100	42,550	to	59,050
49-3021	Automotive Body & Related Repairers	MT OJT	CTY	11.01	22,910	21,780	17,120	25,810	18,550	to	25,980

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49-3022	Automotive Glass Installers & Repairers	MT OJT	WIA	15.54	32,330	33,770	25,520	35,740	28,480	to	36,850
49-3023	Automotive Service Technicians & Mechanics	LT OJT	CTY	18.21	37,870	39,860	26,430	43,590	28,300	to	44,690
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	CTY	16.69	34,720	30,270	20,780	41,690	23,870	to	40,550
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	WIA	13.72	28,540	27,900	22,600	31,510	24,320	to	31,500
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	CTY	21.12	43,920	46,720	31,310	50,230	34,390	to	51,450
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	WIA	14.66	30,480	31,410	23,460	34,000	25,880	to	35,830
49-3052	Motorcycle Mechanics	LT OJT	WIA	16.75	34,830	34,400	28,940	37,780	30,440	to	39,030
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	WIA	11.85	24,650	22,910	18,780	27,590	20,240	to	31,080
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	WIA	15.28	31,790	31,910	24,670	35,340	26,350	to	36,540
49-3093	Tire Repairers & Changers	MT OJT	WIA	11.75	24,440	19,610	16,830	28,250	17,510	to	27,830
49-9011	Mechanical Door Repairers	MT OJT	WIA	14.44	30,040	30,020	24,430	32,850	25,640	to	34,680
49-9012	Control & Valve Installers & Repairers	MT OJT	WIA	21.27	44,240	42,600	31,910	50,400	35,400	to	51,200
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS	WIA	20.21	42,040	41,100	29,340	48,380	33,140	to	50,850
49-9031	Home Appliance Repairers	MT OJT	WIA	14.27	29,690	29,810	19,650	34,710	24,340	to	37,100

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49-9041	Industrial Machinery Mechanics	LT OJT	CTY	20.67	43,000	41,630	32,360	48,320	35,400	to	49,620
49-9043	Maintenance Workers, Machinery	MT OJT	CTY	19.62	40,820	43,480	25,980	48,230	34,860	to	50,060
49-9044	Millwrights	LT OJT	PA	25.80	53,660	54,100	38,080	61,460	42,770	to	65,880
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	WIA	30.49	63,430	66,120	54,230	68,020	60,730	to	71,270
49-9052	Telecommunications Line Installers & Repairers	LT OJT	WIA	23.68	49,250	53,610	29,590	59,080	37,190	to	61,510
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	WIA	18.66	38,800	34,970	23,380	46,520	24,870	to	48,950
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	PA	23.62	49,120	48,840	38,730	54,320	42,110	to	54,880
49-9071	Maintenance & Repair Workers, General	MT OJT	CTY	15.64	32,530	32,120	23,040	37,280	26,120	to	37,540
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	WIA	11.45	23,810	20,980	16,720	27,360	17,630	to	31,160
49-9094	Locksmiths & Safe Repairers	LT OJT	WIA	18.65	38,790	38,340	34,100	41,130	34,320	to	43,780
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

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49-9097	Signal & Track Switch Repairers	PS	PA	17.59	36,590	34,510	29,700	40,030	31,300	to	37,710
49-9098	Helpers--Installation, Maintenance & Repair Workers	MT OJT	CTY	15.41	32,040	33,350	20,420	37,850	22,890	to	37,650
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	CTY	15.70	32,660	32,860	19,050	39,460	21,400	to	41,940
51-0000	**Production Occupations**	**#**	**CTY**	**15.94**	**33,150**	**32,120**	**21,990**	**38,730**	**25,060**	**to**	**40,140**
51-1011	Supervisors - Production & Operating Workers	PS	CTY	24.57	51,110	47,860	34,340	59,500	38,940	to	63,450
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	15.05	31,310	31,900	23,890	35,020	25,300	to	36,610
51-2022	Electrical & Electronic Equipment Assemblers	ST OJT	CTY	14.25	29,650	24,330	20,150	34,400	21,230	to	41,660
51-2023	Electromechanical Equipment Assemblers	ST OJT	CTY	17.84	37,120	36,380	34,470	38,440	33,560	to	40,470
51-2031	Engine & Other Machine Assemblers	ST OJT	WIA	16.60	34,520	34,330	28,090	37,730	30,520	to	37,650
51-2041	Structural Metal Fabricators & Fitters	MT OJT	CTY	16.14	33,570	34,100	30,290	35,210	31,430	to	36,760
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	13.24	27,530	26,670	18,860	31,870	20,670	to	34,140
51-2099	Assemblers & Fabricators, Other	MT OJT	WIA	8.93	18,580	18,010	16,990	19,370	16,760	to	19,260
51-3011	Bakers	LT OJT	WIA	11.27	23,430	21,920	16,850	26,720	18,320	to	28,110
51-3021	Butchers & Meat Cutters	LT OJT	WIA	13.22	27,510	24,610	20,120	31,200	21,470	to	33,480

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51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	WIA	15.68	32,610	30,470	26,330	35,760	26,920	to	37,950
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	WIA	14.30	29,740	30,000	19,810	34,700	22,790	to	36,920
51-3093	Food Cooking Machine Operators & Tenders	ST OJT	WIA	13.92	28,950	28,620	22,070	32,400	23,300	to	34,150
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	15.96	33,200	34,170	21,140	39,230	24,690	to	40,160
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	MT OJT	CTY	23.14	48,130	45,710	43,310	50,540	42,320	to	51,800
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	16.52	34,360	32,840	24,490	39,300	26,780	to	42,130
51-4022	Forging Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	20.08	41,770	43,020	38,060	43,630	40,130	to	45,910
51-4023	Rolling Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	11.61	24,150	21,400	17,050	27,700	18,520	to	24,230
51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	13.92	28,960	29,300	23,610	31,630	25,530	to	33,620
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	15.93	33,140	33,310	24,560	37,440	27,660	to	36,810
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	17.46	36,320	36,080	31,260	38,860	32,530	to	39,980
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.19	31,600	30,860	24,260	35,280	25,850	to	37,350
51-4035	Milling & Planing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	17.75	36,920	36,510	30,320	40,230	31,760	to	42,430

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51-4041	Machinists	LT OJT	CTY	16.53	34,380	34,350	25,430	38,850	28,460	to	41,470
51-4051	Metal-Refining Furnace Operators & Tenders	MT OJT	WIA	16.22	33,730	34,420	31,260	34,970	32,000	to	36,830
51-4052	Pourers & Casters, Metal	MT OJT	WIA	17.05	35,460	35,190	27,990	39,200	29,640	to	41,560
51-4061	Model Makers, Metal & Plastic	LT OJT	WIA	20.84	43,340	44,810	32,490	48,770	33,500	to	54,000
51-4062	Patternmakers, Metal & Plastic	LT OJT	WIA	18.86	39,230	37,700	34,780	41,450	34,370	to	43,840
51-4071	Foundry Mold & Coremakers	MT OJT	WIA	12.80	26,620	25,580	20,860	29,500	22,130	to	29,250
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	13.00	27,030	23,440	17,370	31,860	18,850	to	34,960
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.74	32,740	33,210	26,470	35,880	28,630	to	36,840
51-4111	Tool & Die Makers	LT OJT	CTY	20.75	43,170	44,000	33,320	48,090	38,290	to	50,280
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	CTY	16.91	35,180	32,260	26,260	39,640	27,390	to	40,010
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	WIA	16.30	33,910	34,180	26,220	37,750	28,950	to	38,880
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	17.75	36,930	35,550	27,570	41,610	31,720	to	40,510
51-4192	Layout Workers, Metal & Plastic	MT OJT	PA	20.04	41,670	41,790	32,110	46,460	35,680	to	47,080
51-4193	Plating & Coating Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	13.68	28,450	28,480	19,220	33,070	21,520	to	35,060
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	CTY	12.11	25,180	26,000	18,670	28,440	20,490	to	29,080
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

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51-5111	Prepress Technician & Workers	PS	WIA	16.11	33,500	30,820	21,900	39,300	24,040	to	39,480
51-5112	Printing Press Operators	MT OJT	CTY	14.66	30,490	29,940	27,480	32,000	27,210	to	34,120
51-5113	Print Binding & Finishing Workers	ST OJT	WIA	15.09	31,380	30,690	21,840	36,150	23,740	to	38,050
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	CTY	9.53	19,830	18,330	16,720	21,390	16,830	to	20,680
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	WIA	9.59	19,950	18,930	16,890	21,480	17,180	to	23,010
51-6031	Sewing Machine Operators	ST OJT	WIA	12.45	25,890	25,200	19,340	29,170	21,000	to	30,560
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	PA	17.89	37,210	29,850	20,220	45,710	22,280	to	40,200
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	PA	13.66	28,420	26,550	20,650	32,310	22,570	to	30,970
51-6063	Textile Knitting & Weaving Machine Setters, Operators & Tenders	MT OJT	PA	14.45	30,050	29,190	22,590	33,780	24,590	to	35,180
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	PA	20.56	42,760	43,860	31,390	48,440	37,020	to	50,430

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51-6093	Upholsterers	MT OJT	PA	16.12	33,530	30,230	20,940	39,820	22,990	to	43,740
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	WIA	16.08	33,440	32,300	24,970	37,670	26,680	to	40,030
51-7021	Furniture Finishers	ST OJT	PA	15.79	32,850	32,110	25,260	36,650	27,280	to	37,390
51-7031	Model Makers, Wood	MT OJT	PA	17.17	35,700	34,720	29,430	38,840	31,820	to	37,620
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	CTY	13.63	28,340	28,170	26,100	29,460	26,130	to	30,200
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	WIA	13.99	29,100	28,890	22,230	32,530	24,150	to	34,050
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	WIA	34.09	70,920	69,550	49,710	81,520	56,060	to	84,900
51-8013	Power Plant Operators	LT OJT	WIA	28.51	59,310	62,280	44,090	66,920	48,800	to	70,750
51-8021	Stationary Engineers & Boiler Operators	LT OJT	WIA	20.93	43,530	43,460	32,330	49,130	36,150	to	52,990
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	CTY	15.23	31,670	33,760	18,810	38,100	20,900	to	38,060
51-8091	Chemical Plant & System Operators	LT OJT	WIA	18.56	38,610	37,320	30,180	42,830	32,320	to	45,320
51-8092	Gas Plant Operators	LT OJT	WIA	25.09	52,190	50,480	42,080	57,250	43,340	to	59,440

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51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	LT OJT	WIA	30.03	62,470	66,230	52,480	67,470	61,440	to	71,020
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	WIA	19.54	40,650	40,830	27,550	47,200	31,630	to	51,590
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	WIA	20.47	42,580	42,770	32,320	47,720	38,140	to	47,640
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	CTY	17.83	37,080	38,430	26,090	42,570	27,620	to	46,090
51-9022	Grinding & Polishing Workers, Hand	MT OJT	CTY	13.33	27,730	27,770	23,890	29,650	25,120	to	30,420
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	CTY	17.64	36,680	37,530	29,870	40,090	32,500	to	42,700
51-9031	Cutters & Trimmers, Hand	ST OJT	WIA	11.23	23,360	22,570	19,700	25,190	20,490	to	25,920
51-9032	Cutting & Slicing Machine Setters, Operators & Tenders	ST OJT	WIA	14.60	30,380	29,770	22,700	34,210	24,120	to	36,110
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	WIA	18.70	38,890	38,560	25,000	45,840	29,200	to	50,440
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	MT OJT	WIA	15.47	32,170	30,490	23,740	36,380	26,550	to	38,400
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	CTY	15.70	32,660	32,630	23,330	37,320	26,120	to	37,750
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	WIA	20.29	42,200	43,420	32,080	47,260	37,340	to	48,170
51-9081	Dental Laboratory Technicians	MT OJT	WIA	20.24	42,100	37,860	32,550	46,880	33,670	to	45,630
51-9082	Medical Appliance Technicians	LT OJT	WIA	17.79	37,000	38,260	27,430	41,780	29,620	to	43,880
51-9083	Ophthalmic Laboratory Technicians	MT OJT	WIA	12.14	25,260	23,210	19,940	27,910	20,780	to	29,200

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51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	CTY	10.90	22,670	21,270	17,030	25,490	18,370	to	25,780
51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	WIA	13.80	28,700	27,880	21,590	32,260	23,100	to	34,030
51-9122	Painters, Transportation Equipment	MT OJT	WIA	25.73	53,520	52,820	38,220	61,160	42,140	to	67,690
51-9123	Painting, Coating & Decorating Workers	MT OJT	WIA	10.73	22,310	21,570	16,870	25,030	18,200	to	26,410
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	PA	11.30	23,500	21,490	16,840	26,830	18,010	to	27,430
51-9191	Adhesive Bonding Machine Operators & Tenders	MT OJT	WIA	11.91	24,770	25,250	20,050	27,130	21,490	to	28,440
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators & Tenders	MT OJT	WIA	13.11	27,260	26,860	22,700	29,540	24,270	to	29,580
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	WIA	16.62	34,560	37,790	22,050	40,820	31,640	to	43,530
51-9195	Molders, Shapers & Casters, Except Metal & Plastic	LT OJT	WIA	12.72	26,460	22,890	17,750	30,810	19,300	to	30,820
51-9196	Paper Goods Machine Setters, Operators & Tenders	MT OJT	PA	19.74	41,060	40,240	28,820	47,180	32,090	to	51,070
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	12.45	25,900	26,260	20,110	28,790	22,380	to	29,220
51-9199	Production Workers, Other	MT OJT	WIA	12.53	26,060	18,850	16,810	30,680	17,130	to	23,720
53-0000	**Transportation & Material Moving Occupations**	**#**	**CTY**	**11.81**	**24,560**	**20,320**	**16,910**	**28,390**	**17,700**	**to**	**28,720**

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53-1011	Aircraft Cargo Handling Supervisors	WK EXP	PA	20.96	43,600	41,230	32,620	49,090	34,290	to	53,950
53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	CTY	18.63	38,760	35,700	26,410	44,930	28,940	to	43,090
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	CTY	22.15	46,080	42,170	31,710	53,270	34,080	to	62,680
53-2012	Commercial Pilots	LT OJT	PA	*	79,730	73,860	41,550	98,830	50,490	to	95,140
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	WIA	8.51	17,690	17,870	16,780	18,140	16,640	to	19,110
53-3021	Bus Drivers, Transit & Intercity	MT OJT	WIA	12.90	26,830	26,850	19,170	30,660	21,470	to	30,970
53-3022	Bus Drivers, School or Special Client	MT OJT	CTY	8.78	18,270	17,840	16,820	18,990	16,620	to	19,070
53-3031	Driver/Sales Workers	ST OJT	CTY	9.58	19,930	18,470	17,020	21,380	17,020	to	19,910
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	CTY	17.49	36,380	34,450	25,090	42,030	26,970	to	44,180
53-3033	Light Truck or Delivery Services Drivers	ST OJT	CTY	11.42	23,760	21,920	17,630	26,830	19,260	to	25,800
53-3041	Taxi Drivers & Chauffeurs	ST OJT	CTY	8.81	18,320	18,260	17,120	18,910	16,940	to	19,560
53-3099	Motor Vehicle Operators, Other	ST OJT	PA	16.47	34,250	37,090	17,750	42,510	19,210	to	46,310
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

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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 ($)	Mid Range Annual Wage ($)		
53-4031	Railroad Conductors & Yardmasters	MT OJT	PA	24.03	49,990	46,380	39,010	55,480	40,940	to	59,470
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	WIA	9.41	19,570	19,220	16,750	20,980	17,290	to	22,260
53-6031	Automotive & Watercraft Service Attendants	ST OJT	WIA	9.75	20,280	20,500	16,800	22,010	17,970	to	22,870
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	WIA	32.90	68,420	62,870	45,640	79,820	47,220	to	75,820
53-6061	Transportation Attendants	ST OJT	PA	9.83	20,440	18,060	16,580	22,370	16,620	to	21,510
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	WIA	12.40	25,790	24,240	20,840	28,260	21,560	to	30,180
53-7021	Crane & Tower Operators	WK EXP	WIA	15.90	33,080	32,210	27,300	35,970	28,150	to	36,760
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	WIA	31.46	65,440	80,430	28,640	83,840	30,190	to	87,770
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

* - 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
CRAWFORD 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 ($)	Mid Range Annual Wage ($)		
53-7041	Hoist & Winch Operators	MT OJT	PA	16.53	34,380	32,880	26,490	38,330	27,960	to	38,320
53-7051	Industrial Truck & Tractor Operators	ST OJT	CTY	12.85	26,720	27,050	20,050	30,050	22,740	to	30,720
53-7061	Cleaners of Vehicles & Equipment	ST OJT	CTY	12.18	25,330	26,270	22,050	26,970	24,310	to	28,240
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	CTY	13.32	27,710	26,160	18,360	32,380	19,980	to	33,580
53-7063	Machine Feeders & Offbearers	ST OJT	WIA	13.59	28,270	26,790	21,030	31,890	22,840	to	31,720
53-7064	Packers & Packagers, Hand	ST OJT	CTY	10.47	21,770	21,300	17,500	23,900	19,070	to	23,480
53-7071	Gas Compressor & Gas Pumping Station Operators	MT OJT	PA	21.96	45,670	46,500	33,370	51,810	36,070	to	54,840
53-7072	Pump Operators	MT OJT	WIA	21.47	44,650	36,610	34,010	49,980	33,480	to	57,980
53-7073	Wellhead Pumpers	MT OJT	WIA	16.81	34,970	32,240	26,730	39,090	27,690	to	39,620
53-7081	Refuse & Recyclable Material Collectors	ST OJT	PA	15.82	32,900	31,880	18,810	39,950	21,290	to	43,210
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	WIA	21.38	44,460	37,150	27,660	52,860	31,530	to	61,520
53-7199	Material Moving Workers, Other	ST OJT	PA	15.38	32,000	32,500	20,450	37,770	22,930	to	37,860

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