PENNSYLVANIA OCCUPATIONAL WAGES
PHILADELPHIA 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**	**24.78**	**51,550**	**39,860**	**22,150**	**66,260**	**25,980**	**to**	**61,380**
11-0000	**Management Occupations**	**#**	**CTY**	**60.95**	**126,770**	**111,980**	**65,370**	**157,460**	**77,280**	**to**	**156,000**
11-1011	Chief Executives	BD+	CTY	97.80	203,430	#	116,500	246,900	140,510	to	#
11-1021	General & Operations Managers	AD+	CTY	65.04	135,290	116,900	69,200	168,340	80,840	to	172,460
11-2011	Advertising & Promotions Managers	BD+	CTY	87.52	182,040	#	80,390	232,870	97,380	to	#
11-2021	Marketing Managers	BD+	CTY	72.56	150,920	143,200	82,240	185,250	103,020	to	183,980
11-2022	Sales Managers	BD+	CTY	67.45	140,290	122,500	64,150	178,360	73,980	to	186,130
11-2031	Public Relations & Fundraising Managers	BD+	CTY	59.04	122,790	108,270	70,810	148,790	82,270	to	149,540
11-3011	Administrative Services Managers	WK EXP	CTY	52.93	110,100	99,360	58,650	135,820	68,130	to	134,780
11-3021	Computer & Information Systems Managers	BD+	CTY	69.74	145,070	134,420	93,740	170,730	106,140	to	168,510
11-3031	Financial Managers	BD+	CTY	69.04	143,610	134,460	80,620	175,110	98,910	to	175,580
11-3051	Industrial Production Managers	BD+	CTY	50.38	104,790	96,970	63,920	125,230	75,110	to	130,170
11-3061	Purchasing Managers	BD+	CTY	67.22	139,820	126,220	95,750	161,860	109,810	to	153,710
11-3071	Transportation, Storage & Distribution Managers	WK EXP	CTY	50.02	104,050	94,150	58,270	126,940	71,330	to	120,780
11-3111	Compensation & Benefits Managers	BD+	CTY	57.44	119,480	111,320	76,880	140,780	86,320	to	149,040
11-3121	Human Resources Managers	BD+	CTY	66.10	137,490	122,710	86,160	163,150	98,720	to	157,430

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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11-3131	Training & Development Managers	BD+	CTY	66.31	137,920	130,020	84,030	164,860	95,800 to 163,520
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	57.66	119,940	109,470	77,180	141,320	86,740 to 148,250
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	CTY	25.03	52,070	52,400	33,630	61,280	37,520 to 64,050
11-9032	Education Administrators, Elementary & Secondary School	MD+	CTY	*	102,500	103,360	71,050	118,220	79,960 to 122,470
11-9033	Education Administrators, Postsecondary	MD+	CTY	65.68	136,620	117,750	61,600	174,120	73,370 to 183,500
11-9039	Education Administrators, Other	BD+	CTY	43.85	91,200	75,530	56,280	108,660	65,240 to 109,080
11-9041	Architectural & Engineering Managers	BD+	CTY	73.46	152,800	137,520	107,860	175,270	120,340 to 173,260
11-9051	Food Service Managers	WK EXP	CTY	33.93	70,570	66,540	41,580	85,070	45,750 to 88,860
11-9061	Funeral Service Managers	AD	MSA	50.72	105,500	91,950	84,560	115,970	84,120 to 107,520
11-9071	Gaming Managers	PS+	MSA	33.46	69,600	61,990	53,880	77,460	54,520 to 82,730
11-9081	Lodging Managers	WK EXP	CTY	36.39	75,700	75,540	42,300	92,400	47,120 to 90,770
11-9111	Medical & Health Services Managers	BD	CTY	48.33	100,520	90,320	58,910	121,330	68,200 to 117,220
11-9121	Natural Sciences Managers	BD+	CTY	62.91	130,860	124,250	76,930	157,830	90,900 to 159,180
11-9131	Postmasters & Mail Superintendents	WK EXP	MSA	34.56	71,880	73,330	55,280	80,180	56,820 to 84,770
11-9141	Property, Real Estate & Community Association Managers	WK EXP	CTY	45.16	93,930	78,880	64,510	108,640	67,970 to 97,200

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11-9151	Social & Community Service Managers	BD+	CTY	35.43	73,700	66,170	45,000	88,050	48,420	to	90,560
11-9161	Emergency Management Directors	BD+	CTY	22.93	47,690	44,380	32,880	55,090	36,200	to	59,120
11-9199	Managers, Other	WK EXP	CTY	53.63	111,550	105,120	69,340	132,650	79,250	to	134,090
13-0000	**Business & Financial Operations Occupations**	**#**	**CTY**	**34.53**	**71,830**	**67,240**	**44,060**	**85,710**	**50,630**	**to**	**88,090**
13-1011	Agents & Business Managers of Artists, Performers & Athletes	BD+	CTY	27.39	56,980	48,150	41,200	64,860	42,960	to	67,880
13-1021	Buyers & Purchasing Agents, Farm Products	LT OJT	CTY	28.16	58,570	55,500	46,870	64,420	49,720	to	61,230
13-1022	Wholesale & Retail Buyers	LT OJT	CTY	28.46	59,190	56,750	38,990	69,290	43,830	to	72,400
13-1023	Purchasing Agents	LT OJT	CTY	33.99	70,690	70,110	49,110	81,480	55,290	to	85,640
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	CTY	31.79	66,130	64,180	45,380	76,510	51,030	to	79,610
13-1032	Insurance Appraisers, Auto Damage	PS	MSA	28.78	59,860	60,720	48,500	65,540	51,760	to	69,300
13-1041	Compliance Officers	BD	CTY	33.70	70,090	68,070	46,770	81,750	53,140	to	80,760
13-1051	Cost Estimators	BD	CTY	33.52	69,720	67,570	47,680	80,730	55,510	to	82,160
13-1071	Human Resources Specialists	BD	CTY	33.45	69,570	65,820	44,560	82,070	51,140	to	83,190
13-1075	Labor Relations Specialists	BD	CTY	28.89	60,100	48,060	23,880	78,200	32,180	to	99,750
13-1081	Logisticians	BD+	CTY	37.03	77,030	75,840	55,700	87,700	63,290	to	90,530
13-1111	Management Analysts	BD+	CTY	42.94	89,310	85,640	58,020	104,950	65,680	to	106,080

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13-1121	Meeting, Convention & Event Planners	BD	CTY	24.50	50,950	48,480	36,840	58,010	41,040	to	59,100
13-1131	Fundraisers	TBD	CTY	26.30	54,690	52,980	33,620	65,230	41,580	to	67,000
13-1141	Compensation, Benefits & Job Analysis Specialists	BD	CTY	31.45	65,410	61,850	46,700	74,770	50,990	to	77,160
13-1151	Training & Development Specialists	BD	CTY	29.45	61,250	57,990	38,840	72,450	44,520	to	75,570
13-1161	Market Research Analysts & Marketing Specialists	BD	CTY	31.88	66,310	61,290	41,470	78,730	46,910	to	82,470
13-1199	Business Operations Specialists, Other	LT OJT	CTY	39.04	81,200	79,510	52,930	95,330	62,420	to	95,420
13-2011	Accountants & Auditors	BD	CTY	36.39	75,700	68,840	45,740	90,680	52,460	to	91,320
13-2021	Appraisers & Assessors of Real Estate	LT OJT	CTY	26.47	55,060	51,650	41,740	61,720	44,180	to	61,490
13-2031	Budget Analysts	BD	CTY	34.04	70,800	67,860	52,260	80,080	56,690	to	83,190
13-2041	Credit Analysts	BD	CTY	38.27	79,600	70,390	47,650	95,570	53,450	to	101,960
13-2051	Financial Analysts	BD	CTY	38.29	79,630	70,280	48,290	95,310	54,200	to	95,270
13-2052	Personal Financial Advisors	BD	CTY	40.36	83,950	68,760	44,110	103,870	53,980	to	97,260
13-2053	Insurance Underwriters	BD	CTY	36.60	76,120	70,280	46,380	91,000	52,770	to	99,520
13-2061	Financial Examiners	BD	CTY	43.03	89,500	80,600	57,530	105,490	63,100	to	116,170
13-2071	Credit Counselors	BD	CTY	21.58	44,890	41,820	30,720	51,970	33,090	to	50,690
13-2072	Loan Officers	MT OJT	CTY	37.34	77,670	66,910	45,900	93,550	51,440	to	93,800

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13-2081	Tax Examiners & Collectors & Revenue Agents	BD	CTY	24.90	51,780	48,280	37,940	58,710	41,380	to	53,990
13-2082	Tax Preparers	MT OJT	CTY	18.33	38,130	32,010	27,090	43,660	27,990	to	37,220
13-2099	Financial Specialists, Other	BD	CTY	32.80	68,220	67,290	41,290	81,690	49,890	to	83,190
15-0000	**Computer & Mathematical Occupations**	**#**	**CTY**	**38.54**	**80,160**	**76,970**	**47,780**	**96,360**	**55,970**	**to**	**101,630**
15-1111	Computer & Information Research Scientists	PhD	MSA	45.22	94,050	90,340	63,350	109,400	73,220	to	113,050
15-1121	Computer Systems Analysts	BD	CTY	42.52	88,450	88,710	60,330	102,510	68,360	to	108,110
15-1122	Information Security Analysts	TBD	CTY	46.89	97,520	98,080	59,120	116,730	69,150	to	129,580
15-1131	Computer Programmers	BD	CTY	41.45	86,220	80,900	54,890	101,880	60,060	to	109,940
15-1132	Software Developers, Applications	BD	CTY	44.60	92,770	90,320	68,400	104,950	76,590	to	109,640
15-1133	Software Developers, Systems Software	BD	CTY	50.13	104,270	102,340	74,400	119,200	84,230	to	120,370
15-1134	Web Developers	TBD	CTY	32.63	67,870	65,590	48,550	77,530	53,880	to	75,530
15-1141	Database Administrators	BD+	CTY	36.56	76,050	72,930	50,390	88,880	60,370	to	91,230
15-1142	Network & Computer Systems Administrators	BD	CTY	40.65	84,550	80,700	58,070	97,790	64,260	to	101,270
15-1143	Computer Network Architects	TBD	CTY	47.76	99,340	103,860	68,140	114,940	77,880	to	118,570
15-1151	Computer User Support Specialists	TBD	CTY	23.07	47,980	44,790	34,220	54,860	37,130	to	55,850
15-1152	Computer Network Support Specialists	TBD	CTY	32.08	66,730	63,060	46,890	76,650	51,600	to	77,660

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15-1199	Computer Occupations, Other	BD	CTY	40.13	83,470	88,080	56,930	96,740	69,390	to	96,960
15-2011	Actuaries	BD+	CTY	51.74	107,630	102,860	70,780	126,050	79,080	to	130,710
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	40.73	84,710	75,850	54,660	99,740	61,390	to	99,200
15-2041	Statisticians	MD	CTY	32.73	68,090	65,680	43,030	80,620	47,480	to	84,710
17-0000	**Architecture & Engineering Occupations**	**#**	**CTY**	**37.87**	**78,760**	**75,860**	**47,960**	**94,170**	**56,330**	**to**	**98,930**
17-1011	Architects	BD	CTY	34.61	72,000	70,930	42,580	86,710	48,530	to	88,770
17-1012	Landscape Architects	BD	CTY	30.39	63,210	56,630	52,000	68,820	51,640	to	80,260
17-1021	Cartographers & Photogrammetrists	BD	CTY	27.66	57,530	54,540	33,880	69,360	37,610	to	66,050
17-1022	Surveyors	BD	CTY	25.40	52,830	46,330	42,360	58,070	42,150	to	62,110
17-2011	Aerospace Engineers	BD	MSA	41.62	86,570	84,050	64,010	97,840	70,330	to	97,040
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	41.83	87,020	85,350	63,210	98,920	70,780	to	102,710
17-2041	Chemical Engineers	BD	CTY	46.37	96,450	97,370	69,800	109,780	75,860	to	114,470
17-2051	Civil Engineers	BD	CTY	40.17	83,550	80,350	54,640	98,000	61,610	to	101,140
17-2061	Computer Hardware Engineers	BD	CTY	37.41	77,820	87,290	42,240	95,600	47,590	to	104,750

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17-2071	Electrical Engineers	BD	CTY	42.58	88,570	87,300	59,890	102,920	66,290	to	104,760
17-2072	Electronics Engineers	BD	CTY	48.87	101,660	101,700	67,490	118,740	77,270	to	121,050
17-2081	Environmental Engineers	BD	CTY	41.70	86,740	88,840	55,040	102,600	60,710	to	113,460
17-2111	Health & Safety Engineers	BD	CTY	37.52	78,040	75,540	65,100	84,500	67,720	to	88,180
17-2112	Industrial Engineers	BD	CTY	39.97	83,140	80,360	57,560	95,930	64,450	to	100,590
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	CTY	46.51	96,750	96,030	72,160	109,040	79,360	to	113,480
17-2141	Mechanical Engineers	BD	CTY	43.19	89,840	92,800	62,570	103,480	71,260	to	107,600
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	MSA	46.03	95,750	96,190	76,620	105,320	82,570	to	110,570
17-2171	Petroleum Engineers	BD	MSA	72.28	150,340	133,410	94,570	178,230	107,380	to	179,020
17-2199	Engineers, Other	BD	CTY	42.66	88,740	95,420	54,040	106,090	73,410	to	110,570
17-3011	Architectural & Civil Drafters	AD	CTY	23.93	49,780	47,240	37,260	56,030	41,250	to	60,500
17-3012	Electrical & Electronics Drafters	AD	CTY	29.36	61,070	61,320	46,010	68,600	53,050	to	71,290
17-3013	Mechanical Drafters	AD	CTY	23.68	49,240	47,220	34,830	56,460	38,090	to	57,640
17-3019	Drafters, Other	AD	CTY	31.40	65,310	76,780	39,210	78,360	43,100	to	85,980

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17-3021	Aerospace Engineering & Operations Technicians	AD	MSA	34.27	71,280	70,820	50,560	81,640	61,840	to	85,320
17-3022	Civil Engineering Technicians	AD	CTY	24.42	50,790	48,720	38,280	57,050	41,080	to	56,760
17-3023	Electrical & Electronic Engineering Technicians	AD	CTY	28.14	58,520	62,170	40,770	67,400	46,270	to	62,190
17-3024	Electro-Mechanical Technicians	AD	MSA	27.81	57,850	55,010	42,720	65,420	46,700	to	62,840
17-3025	Environmental Engineering Technicians	AD	CTY	19.84	41,260	38,950	30,340	46,720	32,110	to	51,520
17-3026	Industrial Engineering Technicians	AD	CTY	28.16	58,580	54,980	39,800	67,970	45,440	to	68,010
17-3027	Mechanical Engineering Technicians	AD	CTY	23.39	48,640	47,660	37,430	54,250	39,590	to	56,570
17-3029	Engineering Technicians, Other	AD	CTY	35.18	73,180	79,620	37,930	90,800	52,300	to	95,410
17-3031	Surveying & Mapping Technicians	MT OJT	CTY	21.75	45,240	44,120	34,820	50,460	38,480	to	50,940
19-0000	**Life, Physical & Social Science Occupations**	**#**	**CTY**	**29.34**	**61,030**	**54,210**	**32,790**	**75,160**	**39,800**	**to**	**76,700**
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	CTY	28.10	58,450	50,410	42,770	66,290	43,800	to	68,610
19-1013	Soil & Plant Scientists	BD	MSA	38.68	80,450	72,240	66,050	87,650	66,020	to	100,280
19-1021	Biochemists & Biophysicists	PhD	CTY	45.73	95,120	72,850	53,620	115,860	56,880	to	127,050
19-1022	Microbiologists	BD	CTY	30.95	64,380	55,590	42,750	75,200	48,860	to	79,610
19-1023	Zoologists & Wildlife Biologists	BD	CTY	27.14	56,460	54,060	37,730	65,820	40,870	to	66,210

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19-1029	Biological Scientists, Other	PhD	CTY	35.38	73,600	75,840	57,330	81,730	63,280	to	80,760
19-1031	Conservation Scientists	BD	CTY	31.05	64,590	55,700	53,090	70,340	51,510	to	73,410
19-1032	Foresters	BD	MSA	40.16	83,530	56,170	44,100	103,240	46,400	to	153,310
19-1041	Epidemiologists	MD	CTY	31.42	65,350	61,600	42,410	76,820	44,460	to	83,720
19-1042	Medical Scientists	PhD	CTY	44.12	91,760	80,560	51,900	111,700	58,550	to	115,000
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	CTY	65.22	135,650	117,800	99,990	153,490	104,760	to	166,720
19-2021	Atmospheric & Space Scientists	BD	MSA	35.47	73,790	74,400	49,220	86,070	56,020	to	89,150
19-2031	Chemists	BD	CTY	34.27	71,290	67,370	49,160	82,350	54,350	to	85,510
19-2032	Materials Scientists	BD	CTY	40.30	83,820	77,190	62,040	94,710	65,680	to	105,180
19-2041	Environmental Scientists & Specialists	BD	CTY	38.28	79,630	74,670	45,360	96,760	51,540	to	107,660
19-2042	Geoscientists	BD	CTY	33.78	70,270	63,240	49,260	80,770	53,100	to	89,850
19-2043	Hydrologists	MD	MSA	33.99	70,690	66,940	53,230	79,420	57,390	to	78,150
19-2099	Physical Scientists, Other	BD	MSA	41.40	86,100	87,280	54,550	101,880	61,250	to	110,570
19-3011	Economists	BD	CTY	41.75	86,840	85,920	61,350	99,590	70,380	to	96,020
19-3022	Survey Researchers	BD	CTY	13.99	29,110	26,650	18,110	34,610	19,690	to	36,020

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PENNSYLVANIA OCCUPATIONAL WAGES
PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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19-3031	Clinical, Counseling & School Psychologists	PhD	CTY	35.91	74,700	70,180	49,180	87,460	55,230	to	89,660
19-3032	Industrial-Organizational Psychologists	MD	MSA	41.52	86,370	86,680	72,690	93,210	79,220	to	94,140
19-3039	Psychologists, Other	MD	CTY	42.98	89,400	96,020	66,450	100,870	87,290	to	101,850
19-3041	Sociologists	MD	CTY	28.66	59,610	56,270	46,280	66,270	49,480	to	66,480
19-3051	Urban & Regional Planners	MD	CTY	32.90	68,440	65,800	49,460	77,920	53,890	to	78,310
19-3091	Anthropologists & Archeologists	MD	MSA	32.00	66,570	67,090	39,540	80,080	43,140	to	87,110
19-3092	Geographers	BD	MSA	34.63	72,030	71,270	62,760	76,660	64,850	to	80,760
19-3093	Historians	MD	CTY	21.58	44,890	36,660	35,010	49,840	33,950	to	48,840
19-3099	Social Scientists & Related Workers, Other	BD	CTY	39.35	81,850	80,760	62,660	91,440	67,410	to	93,120
19-4011	Agricultural & Food Science Technicians	AD	CTY	23.71	49,320	48,720	36,610	55,680	40,060	to	57,790
19-4021	Biological Technicians	BD	CTY	21.71	45,160	47,470	34,200	50,640	39,990	to	53,640
19-4031	Chemical Technicians	AD	CTY	19.99	41,580	41,500	31,010	46,870	34,840	to	46,450
19-4041	Geological & Petroleum Technicians	AD	MSA	25.39	52,810	48,700	33,770	62,330	36,760	to	60,650
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	CTY	18.45	38,380	36,400	33,710	40,710	33,640	to	39,200
19-4091	Environmental Science & Protection Technicians	AD	CTY	16.67	34,680	33,120	24,390	39,820	26,780	to	39,290

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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19-4092	Forensic Science Technicians	BD	MSA	22.45	46,700	46,000	39,810	50,150	41,380	to	52,850
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	CTY	24.35	50,640	50,670	33,470	59,230	41,050	to	60,720
21-0000	**Community & Social Services Occupations**	**#**	**CTY**	**20.58**	**42,800**	**40,790**	**27,620**	**50,400**	**31,940**	**to**	**52,750**
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	CTY	19.37	40,280	38,560	30,740	45,050	33,390	to	45,510
21-1012	Educational, Guidance, School & Vocational Counselors	MD	CTY	24.98	51,960	47,610	34,140	60,870	39,860	to	62,700
21-1013	Marriage & Family Therapists	MD	CTY	27.32	56,840	48,580	36,800	66,850	39,440	to	79,770
21-1014	Mental Health Counselors	MD	CTY	20.20	42,020	41,440	28,230	48,910	32,390	to	52,390
21-1015	Rehabilitation Counselors	MD	CTY	18.56	38,610	35,760	24,820	45,510	27,630	to	46,800
21-1019	Counselors, Other	MD	CTY	21.07	43,830	47,560	25,320	53,090	26,120	to	55,400
21-1021	Child, Family & School Social Workers	BD	CTY	21.38	44,460	44,340	32,100	50,650	34,890	to	53,860
21-1022	Healthcare Social Workers	MD	CTY	25.08	52,160	51,350	37,100	59,700	41,880	to	59,540
21-1023	Mental Health & Substance Abuse Social Workers	BD	CTY	19.17	39,870	37,490	29,500	45,060	33,060	to	46,270
21-1029	Social Workers, Other	BD	CTY	31.58	65,680	67,360	49,430	73,810	58,870	to	75,520
21-1091	Health Educators	BD	CTY	26.71	55,550	55,680	38,400	64,120	42,690	to	68,110
21-1092	Probation Officers & Correctional Treatment Specialists	BD	MSA	24.75	51,490	50,410	40,080	57,190	42,990	to	58,270

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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21-1093	Social & Human Service Assistants	ST OJT	CTY	14.71	30,600	28,870	21,950	34,920	23,950	to	36,300
21-1094	Community Health Workers	TBD	CTY	20.94	43,540	35,650	25,350	52,640	27,740	to	60,380
21-1099	Community & Social Service Specialists, Other	BD	CTY	15.92	33,120	24,520	16,490	41,430	17,170	to	48,450
21-2011	Clergy	BD	CTY	22.26	46,300	45,740	27,600	55,650	34,190	to	56,870
21-2021	Directors, Religious Activities & Education	BD+	CTY	19.09	39,700	29,260	20,190	49,450	23,560	to	57,060
21-2099	Religious Workers, Other	BD	CTY	11.95	24,860	21,570	17,830	28,370	19,300	to	24,730
23-0000	**Legal Occupations**	**#**	**CTY**	**56.67**	**117,880**	**93,110**	**52,770**	**150,430**	**61,700**	**to**	**155,420**
23-1011	Lawyers	PhD	CTY	73.14	152,130	137,240	79,750	188,310	93,650	to	#
23-1012	Judicial Law Clerks	PhD	MSA	19.50	40,570	41,220	27,970	46,870	31,860	to	46,900
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	BD+	CTY	46.92	97,600	90,190	64,500	114,150	73,410	to	121,890
23-1022	Arbitrators, Mediators & Conciliators	BD+	CTY	26.87	55,890	44,210	36,330	65,670	38,280	to	55,430
23-1023	Judges, Magistrate Judges & Magistrates	PhD	MSA	28.85	60,010	61,610	45,760	67,130	49,510	to	70,180
23-2011	Paralegals & Legal Assistants	AD	CTY	28.23	58,720	57,240	41,840	67,170	46,820	to	68,780
23-2091	Court Reporters	ST OJT	CTY	27.45	57,100	55,300	40,800	65,250	47,020	to	66,420
23-2093	Title Examiners, Abstractors & Searchers	ST OJT	CTY	21.64	45,010	41,760	32,420	51,310	34,540	to	55,490
23-2099	Legal Support Workers, Other	ST OJT	CTY	26.67	55,470	53,800	41,350	62,530	45,520	to	59,580

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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25-0000	**Education, Training & Library Occupations**	**#**	**CTY**	**30.69**	**63,840**	**54,170**	**31,810**	**79,850**	**38,950**	**to**	**75,320**
25-1011	Business Teachers, Postsecondary	PhD	CTY	*	97,530	84,490	46,120	123,240	55,360	to	120,670
25-1021	Computer Science Teachers, Postsecondary	PhD	CTY	*	91,570	74,480	51,870	111,420	59,280	to	108,740
25-1022	Mathematical Science Teachers, Postsecondary	PhD	CTY	*	90,240	72,540	52,720	109,010	59,070	to	107,790
25-1031	Architecture Teachers, Postsecondary	PhD	CTY	*	86,560	84,530	56,160	101,760	62,940	to	108,340
25-1032	Engineering Teachers, Postsecondary	PhD	CTY	*	126,580	128,760	73,320	153,210	85,470	to	154,390
25-1041	Agricultural Sciences Teachers, Postsecondary	PhD	MSA	*	114,750	102,470	66,970	138,640	80,610	to	132,220
25-1042	Biological Science Teachers, Postsecondary	PhD	CTY	*	119,200	103,100	64,280	146,660	74,640	to	147,030
25-1043	Forestry & Conservation Science Teachers, Postsecondary	PhD	CTY	*	102,360	104,480	67,940	119,560	81,790	to	129,560
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	PhD	CTY	*	102,310	95,360	56,120	125,400	60,300	to	131,550
25-1052	Chemistry Teachers, Postsecondary	PhD	CTY	*	96,060	76,980	53,340	117,420	59,620	to	113,770
25-1053	Environmental Science Teachers, Postsecondary	PhD	CTY	*	122,720	117,340	62,460	152,860	74,390	to	148,830
25-1054	Physics Teachers, Postsecondary	PhD	CTY	*	108,000	94,670	58,960	132,520	67,500	to	135,420
25-1061	Anthropology & Archeology Teachers, Postsecondary	PhD	CTY	*	123,180	101,360	69,330	150,110	80,460	to	154,950
25-1062	Area, Ethnic & Cultural Studies Teachers, Postsecondary	PhD	CTY	*	115,830	108,880	55,900	145,790	66,300	to	153,200
25-1063	Economics Teachers, Postsecondary	PhD	CTY	*	125,840	112,120	64,460	156,520	75,560	to	152,560

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MAY 2012

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25-1064	Geography Teachers, Postsecondary	PhD	CTY	*	103,440	96,820	56,600	126,870	69,110	to	135,700
25-1065	Political Science Teachers, Postsecondary	PhD	CTY	*	134,890	111,950	59,030	172,820	71,370	to	185,490
25-1066	Psychology Teachers, Postsecondary	PhD	CTY	*	91,450	78,120	51,110	111,620	58,630	to	108,630
25-1067	Sociology Teachers, Postsecondary	PhD	CTY	*	91,430	71,180	53,030	110,630	58,770	to	101,130
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	CTY	*	134,200	132,380	61,320	170,640	78,240	to	176,010
25-1072	Nursing Instructors & Teachers, Postsecondary	MD	CTY	*	89,080	72,040	48,550	109,350	55,670	to	109,440
25-1081	Education Teachers, Postsecondary	PhD	CTY	*	82,470	75,140	48,070	99,670	54,400	to	101,190
25-1082	Library Science Teachers, Postsecondary	PhD	MSA	*	69,380	69,110	48,900	79,620	54,560	to	82,340
25-1111	Criminal Justice & Law Enforcement Teachers, Postsecondary	PhD	CTY	*	88,710	83,030	49,700	108,220	55,390	to	119,520
25-1112	Law Teachers, Postsecondary	PhD	CTY	*	107,790	94,660	56,450	133,460	72,410	to	122,580
25-1113	Social Work Teachers, Postsecondary	PhD	CTY	*	117,460	101,200	51,620	150,390	62,870	to	147,510
25-1121	Art, Drama & Music Teachers, Postsecondary	PhD	CTY	*	74,390	69,490	49,080	87,050	54,270	to	90,430
25-1122	Communications Teachers, Postsecondary	PhD	CTY	*	76,940	66,770	48,900	90,970	52,510	to	93,990
25-1123	English Language & Literature Teachers, Postsecondary	PhD	CTY	*	74,360	67,140	50,420	86,330	55,390	to	82,950
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	CTY	*	76,750	67,110	49,510	90,370	53,810	to	94,800

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25-1125	History Teachers, Postsecondary	PhD	CTY	*	93,160	80,990	56,030	111,720	64,430	to	102,940
25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	CTY	*	77,640	65,760	38,380	97,280	44,350	to	95,980
25-1191	Graduate Teaching Assistants	BD	CTY	*	40,550	40,640	28,080	46,780	33,910	to	47,820
25-1192	Home Economics Teachers, Postsecondary	PhD	MSA	*	74,070	76,650	42,180	90,010	48,200	to	95,220
25-1193	Recreation & Fitness Studies Teachers, Postsecondary	MD	CTY	*	74,960	65,500	43,560	90,660	48,970	to	90,890
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	CTY	33.83	70,360	58,240	35,570	87,750	44,190	to	80,480
25-1199	Postsecondary Teachers, Other	PhD	CTY	*	76,310	66,940	38,920	95,010	47,920	to	93,040
25-2011	Preschool Teachers	AD	CTY	14.90	31,000	28,870	21,660	35,660	23,920	to	36,250
25-2012	Kindergarten Teachers	BD	CTY	*	46,530	41,980	30,980	54,300	33,460	to	53,890
25-2021	Elementary School Teachers	BD	CTY	*	48,790	46,180	34,010	56,180	37,350	to	57,840
25-2022	Middle School Teachers	BD	CTY	*	57,510	54,920	42,900	64,810	45,860	to	67,100
25-2023	Career/Technical Education Teachers, Middle School	BD+	MSA	*	62,400	58,630	51,410	67,890	52,580	to	69,540
25-2031	Secondary School Teachers	BD	CTY	*	59,540	57,300	42,940	67,840	46,760	to	71,460
25-2032	Career/Technical Education Teachers, Secondary School	BD+	CTY	*	60,530	59,810	49,190	66,200	51,720	to	69,900
25-2051	Special Education Teachers, Preschool	BD	MSA	*	46,880	44,060	40,230	50,200	40,400	to	50,790
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	CTY	*	66,580	58,980	48,640	75,550	51,180	to	80,150

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25-2053	Special Education Teachers, Middle School	BD	CTY	*	58,410	56,910	39,460	67,880	45,740	to	70,760
25-2054	Special Education Teachers, Secondary School	BD	CTY	*	65,890	63,270	47,380	75,150	51,530	to	80,160
25-2059	Special Education Teachers, Other	BD	MSA	*	61,140	61,250	40,370	71,530	41,950	to	79,610
25-3011	Adult Basic & Secondary Education & Literacy Teachers & Instructors	BD	CTY	22.35	46,490	44,660	30,860	54,310	36,620	to	59,140
25-3021	Self-Enrichment Education Teachers	WK EXP	CTY	22.49	46,790	46,220	23,250	58,560	26,960	to	64,220
25-3098	Substitute Teachers	#	CTY	13.89	28,880	27,820	21,750	32,450	23,950	to	32,760
25-3099	Teachers & Instructors, Other	BD	CTY	*	44,100	42,210	24,620	53,840	32,320	to	53,590
25-4011	Archivists	BD	CTY	23.91	49,740	45,890	24,270	62,480	30,160	to	61,570
25-4012	Curators	MD	CTY	31.37	65,250	66,880	47,580	74,080	55,970	to	74,120
25-4013	Museum Technicians & Conservators	BD	CTY	22.58	46,970	43,040	32,460	54,220	35,550	to	53,800
25-4021	Librarians	MD	CTY	28.58	59,440	56,620	37,040	70,650	44,230	to	75,900
25-4031	Library Technicians	PS	CTY	17.84	37,100	34,770	26,750	42,280	29,130	to	44,790
25-9011	Audio-Visual & Multimedia Collections Specialists	BD+	CTY	24.74	51,460	47,810	30,050	62,160	33,690	to	69,620
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	27.66	57,530	56,190	40,740	65,920	45,230	to	68,390
25-9041	Teacher Assistants	ST OJT	CTY	*	31,720	27,520	19,780	37,690	22,000	to	36,260

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25-9099	Education, Training & Library Workers, Other	BD	CTY	22.40	46,590	42,480	22,870	58,440	31,820	to	57,050
27-0000	**Arts, Design, Entertainment, Sports & Media Occupations**	#	**CTY**	**28.14**	**58,530**	**48,430**	**27,460**	**74,070**	**33,390**	**to**	**72,320**
27-1011	Art Directors	BD+	CTY	47.16	98,090	86,390	54,640	119,820	62,210	to	115,500
27-1012	Craft Artists	LT OJT	MSA	12.27	25,530	18,990	17,110	29,740	17,300	to	27,950
27-1013	Fine Artists	LT OJT	CTY	23.41	48,690	45,140	33,730	56,170	37,020	to	60,680
27-1014	Multimedia Artists & Animators	BD	CTY	33.24	69,140	57,100	43,030	82,200	46,300	to	76,750
27-1019	Artists & Related Workers, Other	LT OJT	CTY	35.92	74,710	83,180	43,590	90,270	48,220	to	95,420
27-1021	Commercial & Industrial Designers	BD	CTY	35.40	73,640	73,040	57,490	81,710	61,880	to	86,540
27-1022	Fashion Designers	LT OJT	CTY	28.02	58,280	50,890	41,090	66,870	43,900	to	59,790
27-1023	Floral Designers	ST OJT	CTY	11.49	23,900	22,720	21,340	25,170	20,970	to	26,030
27-1024	Graphic Designers	BD	CTY	24.26	50,470	46,500	33,690	58,860	38,040	to	61,450
27-1025	Interior Designers	BD	CTY	26.94	56,040	51,780	37,880	65,130	41,760	to	68,470
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	CTY	17.77	36,960	36,180	23,420	43,740	29,560	to	47,580
27-1027	Set & Exhibit Designers	BD	CTY	22.94	47,710	45,020	38,870	52,140	41,120	to	53,450
27-1029	Designers, Other	BD	CTY	27.50	57,210	59,670	38,010	66,810	46,140	to	70,770
27-2011	Actors	PS	CTY	13.31	#	#	#	#	#	to	#

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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27-2012	Producers & Directors	BD+	MSA	41.78	86,890	77,590	38,820	110,930	46,650	to	116,610
27-2021	Athletes & Sports Competitors	LT OJT	MSA	*	71,210	52,090	25,990	93,820	29,160	to	84,850
27-2022	Coaches & Scouts	LT OJT	CTY	*	43,670	29,890	19,380	55,820	21,630	to	47,350
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	CTY	19.26	#	#	#	#	#	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	33.41	69,490	54,910	38,640	84,910	42,300	to	105,000
27-2042	Musicians & Singers	LT OJT	CTY	39.90	#	#	#	#	#	to	#
27-2099	Entertainers & Performers, Sports & Related Workers, Other	ST OJT	MSA	17.42	#	#	#	#	#	to	#
27-3011	Radio & Television Announcers	BD	CTY	34.51	71,780	54,750	22,250	96,550	25,400	to	91,600
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	CTY	19.08	39,690	36,520	24,760	47,150	27,990	to	47,960
27-3031	Public Relations Specialists	BD	CTY	31.16	64,820	57,100	39,060	77,700	45,190	to	76,640
27-3041	Editors	BD+	CTY	29.11	60,560	55,240	36,390	72,640	41,830	to	78,580
27-3042	Technical Writers	BD+	CTY	33.30	69,260	71,070	45,720	81,030	52,530	to	85,480
27-3043	Writers & Authors	BD	CTY	28.44	59,160	54,350	39,000	69,250	43,080	to	69,890

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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27-3091	Interpreters & Translators	BD	CTY	23.80	49,500	45,800	35,340	56,580	37,480	to	61,260
27-3099	Media & Communication Workers, Other	ST OJT	CTY	21.05	43,790	40,720	26,390	52,490	29,920	to	50,700
27-4011	Audio & Video Equipment Technicians	PS	CTY	21.95	45,660	45,210	28,140	54,420	33,670	to	56,110
27-4012	Broadcast Technicians	AD	CTY	19.27	40,070	36,800	23,500	48,360	25,970	to	52,110
27-4014	Sound Engineering Technicians	PS	CTY	23.09	48,030	41,200	23,600	60,240	27,300	to	61,720
27-4021	Photographers	LT OJT	CTY	17.41	36,210	36,770	23,180	42,720	25,650	to	44,260
27-4031	Camera Operators: TV, Video & Motion Picture	BD	CTY	30.34	63,100	47,290	26,630	81,340	29,440	to	79,100
27-4032	Film & Video Editors	BD+	CTY	36.97	76,890	73,890	35,340	97,660	40,160	to	110,160
27-4099	Media & Communication Equipment Workers, Other	MT OJT	CTY	36.88	76,710	69,240	31,400	99,370	42,190	to	116,380
29-0000	**Healthcare Practitioners & Technical Occupations**	**#**	**CTY**	**37.15**	**77,270**	**65,660**	**41,690**	**95,070**	**49,570**	**to**	**86,100**
29-1011	Chiropractors	PhD	CTY	38.53	80,130	82,130	73,260	83,570	75,940	to	88,280
29-1021	Dentists, General	PhD	CTY	61.10	127,090	126,350	62,900	159,180	78,260	to	153,130
29-1023	Orthodontists	PhD	PA	103.90	216,110	#	120,730	#	166,320	to	#
29-1029	Dentists, Other Specialists	PhD	MSA	100.12	208,240	#	100,510	#	150,000	to	#
29-1031	Dietitians & Nutritionists	BD	CTY	27.46	57,130	59,070	40,560	65,410	50,160	to	68,930
29-1041	Optometrists	PhD	CTY	50.26	104,530	109,750	80,730	116,440	98,860	to	122,050

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PHILADELPHIA COUNTY LABOR MARKET AREA

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29-1051	Pharmacists	PhD	CTY	50.50	105,040	110,120	73,260	120,920	94,320	to	128,310
29-1061	Anesthesiologists	PhD	CTY	125.03	260,060	#	#	#	#	to	#
29-1062	Family & General Practitioners	PhD	CTY	103.14	214,540	#	128,740	257,430	164,000	to	#
29-1063	Internists, General	PhD	CTY	103.72	215,740	#	131,200	258,020	162,060	to	#
29-1064	Obstetricians & Gynecologists	PhD	CTY	120.85	251,370	#	#	#	#	to	#
29-1065	Pediatricians, General	PhD	CTY	94.33	196,210	182,430	125,700	231,460	141,500	to	#
29-1066	Psychiatrists	PhD	CTY	90.13	187,460	181,810	102,500	229,950	150,620	to	#
29-1067	Surgeons	PhD	CTY	121.17	252,020	#	#	#	#	to	#
29-1069	Physicians & Surgeons, Other	PhD	CTY	76.16	158,420	146,670	57,180	209,040	58,860	to	#
29-1071	Physician Assistants	MD	CTY	35.44	73,700	77,930	43,430	88,840	52,950	to	93,590
29-1081	Podiatrists	PhD	CTY	52.74	109,690	92,110	67,190	130,940	75,040	to	143,260
29-1122	Occupational Therapists	MD	CTY	33.99	70,710	68,030	52,010	80,060	56,700	to	82,790
29-1123	Physical Therapists	PhD	CTY	38.41	79,890	78,220	61,280	89,200	66,060	to	92,740
29-1124	Radiation Therapists	AD	CTY	38.18	79,410	79,330	64,380	86,930	68,080	to	90,640
29-1125	Recreational Therapists	BD	CTY	22.24	46,260	45,680	31,980	53,390	35,500	to	56,310
29-1126	Respiratory Therapists	AD	CTY	28.80	59,900	62,300	48,180	65,750	52,510	to	69,290

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29-1127	Speech-Language Pathologists	MD	CTY	35.76	74,370	72,100	59,790	81,660	63,510	to	85,400
29-1128	Exercise Physiologists	MD	CTY	27.22	56,620	61,240	40,600	64,640	49,720	to	68,740
29-1129	Therapists, Other	BD	CTY	38.22	79,500	57,220	39,960	99,270	43,530	to	82,710
29-1131	Veterinarians	PhD	CTY	48.79	101,480	99,140	82,400	111,020	87,340	to	113,830
29-1141	Registered Nurses	TBD	CTY	34.86	72,510	72,280	56,220	80,660	61,210	to	85,010
29-1151	Nurse Anesthetists	TBD	CTY	95.92	199,510	180,640	139,200	229,660	149,510	to	#
29-1161	Nurse Midwives	TBD	CTY	40.82	84,900	85,600	80,100	87,300	79,760	to	91,450
29-1171	Nurse Practitioners	TBD	CTY	44.71	93,000	93,430	79,580	99,720	83,240	to	106,400
29-1181	Audiologists	PhD	MSA	35.15	73,120	76,930	49,940	84,710	55,760	to	88,570
29-1199	Health Diagnosing & Treating Practitioners, Other	MD	CTY	37.61	78,230	71,470	51,090	91,800	57,720	to	90,510
29-2011	Medical & Clinical Laboratory Technologists	BD	CTY	29.57	61,500	61,300	48,870	67,820	52,290	to	70,810
29-2012	Medical & Clinical Laboratory Technicians	AD	CTY	19.60	40,760	38,880	30,590	45,850	32,650	to	47,700
29-2021	Dental Hygienists	AD	CTY	36.56	76,040	81,600	57,180	85,480	60,710	to	89,300
29-2031	Cardiovascular Technologists & Technicians	AD	CTY	26.66	55,460	54,880	36,120	65,130	41,320	to	69,380
29-2032	Diagnostic Medical Sonographers	AD	CTY	32.81	68,250	68,640	50,450	77,150	56,350	to	81,810
29-2033	Nuclear Medicine Technologists	AD	CTY	32.76	68,130	68,620	53,240	75,580	60,320	to	78,610

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29-2034	Radiologic Technologists	AD	CTY	28.08	58,410	57,410	47,400	63,920	50,470	to	67,500
29-2035	Magnetic Resonance Imaging Technologists	TBD	CTY	26.77	55,690	55,660	42,380	62,340	47,450	to	65,720
29-2041	Emergency Medical Technicians & Paramedics	PS	CTY	19.16	39,860	38,090	24,550	47,520	26,670	to	53,080
29-2051	Dietetic Technicians	MT OJT	CTY	13.40	27,880	24,130	17,130	33,250	18,660	to	39,110
29-2052	Pharmacy Technicians	MT OJT	CTY	15.28	31,780	32,260	23,090	36,130	25,850	to	37,370
29-2053	Psychiatric Technicians	PS	CTY	15.92	33,110	33,680	29,210	35,070	30,910	to	36,400
29-2054	Respiratory Therapy Technicians	AD	MSA	24.26	50,450	50,890	38,710	56,320	42,710	to	58,470
29-2055	Surgical Technologists	PS	CTY	20.18	41,980	41,820	33,510	46,220	36,220	to	46,630
29-2056	Veterinary Technologists & Technicians	AD	CTY	20.10	41,820	40,830	34,300	45,580	35,570	to	46,660
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	21.91	45,560	45,120	36,860	49,920	39,010	to	52,800
29-2071	Medical Records & Health Information Technicians	PS	CTY	16.66	34,650	30,830	26,840	38,550	27,190	to	37,930
29-2081	Opticians, Dispensing	LT OJT	CTY	21.75	45,250	45,930	35,830	49,960	39,020	to	53,260
29-2091	Orthotists & Prosthetists	MD	MSA	32.42	67,440	66,620	47,710	77,310	53,160	to	85,780
29-2092	Hearing Aid Specialists	TBD	MSA	30.70	63,860	66,590	46,900	72,340	55,350	to	74,280
29-2099	Health Technologists & Technicians, Other	PS	CTY	25.51	53,060	50,690	40,700	59,230	42,850	to	60,130

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29-9011	Occupational Health & Safety Specialists	BD	CTY	36.37	75,650	75,050	58,740	84,100	64,750	to	88,090
29-9012	Occupational Health & Safety Technicians	MT OJT	CTY	24.71	51,410	45,840	34,390	59,910	36,920	to	59,970
29-9091	Athletic Trainers	BD	CTY	*	52,520	49,750	38,780	59,390	42,100	to	57,220
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	CTY	26.19	54,480	49,830	30,630	66,410	34,580	to	71,020
31-0000	**Healthcare Support Occupations**	**#**	**CTY**	**13.59**	**28,270**	**26,710**	**18,650**	**33,080**	**20,610**	**to**	**33,910**
31-1011	Home Health Aides	ST OJT	CTY	10.07	20,950	19,110	16,750	23,050	17,220	to	22,760
31-1013	Psychiatric Aides	ST OJT	CTY	15.69	32,630	32,030	27,200	35,350	28,170	to	36,200
31-1014	Nursing Assistants	TBD	CTY	13.96	29,030	28,190	23,200	31,950	24,400	to	33,330
31-1015	Orderlies	TBD	CTY	14.98	31,160	30,580	26,470	33,500	27,170	to	35,020
31-2011	Occupational Therapy Assistants	AD	CTY	18.12	37,690	36,700	29,270	41,910	31,230	to	43,600
31-2012	Occupational Therapy Aides	ST OJT	CTY	14.47	30,100	29,100	23,780	33,270	25,270	to	34,650
31-2021	Physical Therapist Assistants	AD	CTY	20.71	43,080	43,210	29,320	49,960	33,080	to	52,800
31-2022	Physical Therapist Aides	MT OJT	CTY	14.15	29,420	28,470	22,900	32,690	24,970	to	33,960
31-9011	Massage Therapists	PS	CTY	38.60	80,280	86,260	60,100	90,370	79,050	to	93,460
31-9091	Dental Assistants	PS	CTY	15.53	32,310	33,250	23,560	36,680	27,950	to	36,800

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31-9092	Medical Assistants	MT OJT	CTY	16.50	34,320	33,510	26,610	38,170	28,640	to	38,000
31-9093	Medical Equipment Preparers	MT OJT	CTY	17.87	37,170	36,580	29,420	41,050	31,660	to	42,850
31-9094	Medical Transcriptionists	PS	CTY	18.20	37,850	37,930	30,550	41,500	32,800	to	43,720
31-9095	Pharmacy Aides	ST OJT	CTY	11.26	23,420	23,160	17,770	26,250	19,360	to	27,480
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	CTY	13.17	27,390	23,960	20,090	31,050	21,220	to	30,520
31-9097	Phlebotomists	TBD	CTY	15.82	32,910	32,440	26,300	36,210	27,680	to	37,440
31-9099	Healthcare Support Workers, Other	ST OJT	CTY	18.70	38,910	38,310	27,450	44,630	30,180	to	45,940
33-0000	**Protective Service Occupations**	**#**	**CTY**	**19.93**	**41,460**	**39,610**	**21,410**	**51,480**	**23,590**	**to**	**53,340**
33-1011	Supervisors - Correctional Officers	WK EXP	MSA	32.21	66,990	66,430	52,630	74,170	56,520	to	76,550
33-1012	Supervisors - Police & Detectives	WK EXP	CTY	50.49	105,010	99,030	77,410	118,810	82,660	to	131,050
33-1021	Supervisors - Fire Fighting & Prevention	PS+	CTY	35.80	74,470	72,860	66,620	78,400	66,150	to	83,520
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	CTY	24.24	50,410	50,860	35,140	58,050	39,580	to	59,360
33-2011	Firefighters	PS	CTY	22.41	46,610	43,630	40,850	49,480	40,590	to	46,660
33-2021	Fire Inspectors & Investigators	WK EXP	MSA	26.00	54,090	49,520	38,100	62,080	41,790	to	67,610
33-3011	Bailiffs	MT OJT	MSA	12.10	25,160	19,390	16,650	29,410	17,330	to	33,250
33-3012	Correctional Officers & Jailers	MT OJT	MSA	21.67	45,070	43,590	38,500	48,350	39,500	to	48,240

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33-3021	Detectives & Criminal Investigators	WK EXP	CTY	39.43	82,010	71,500	59,540	93,250	64,050	to	107,660
33-3041	Parking Enforcement Workers	ST OJT	MSA	14.39	29,940	28,920	20,160	34,830	22,300	to	36,960
33-3051	Police & Sheriff's Patrol Officers	MT OJT	CTY	27.35	56,880	55,000	51,860	59,390	50,880	to	59,120
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	MSA	17.07	35,510	38,860	18,720	43,900	20,230	to	46,870
33-9021	Private Detectives & Investigators	PS+	CTY	38.58	80,240	84,160	49,130	95,800	61,610	to	106,060
33-9031	Gaming Surveillance Officers & Gaming Investigators	ST OJT	MSA	20.40	42,440	41,180	38,010	44,650	41,170	to	45,830
33-9032	Security Guards	ST OJT	CTY	12.22	25,420	23,360	19,410	28,440	20,550	to	29,330
33-9091	Crossing Guards	ST OJT	MSA	13.47	28,020	27,460	20,700	31,680	22,690	to	32,480
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	CTY	8.57	17,830	17,830	16,540	18,470	16,490	to	19,170
33-9093	Transportation Security Screeners	MT OJT	CTY	17.83	37,090	36,230	33,090	39,080	35,680	to	38,640
33-9099	Protective Service Workers, Other	ST OJT	CTY	21.12	43,930	42,950	36,080	47,850	39,500	to	46,610
35-0000	**Food Preparation & Serving Related Occupations**	**#**	**CTY**	**11.59**	**24,120**	**21,460**	**16,690**	**27,830**	**18,060**	**to**	**27,250**
35-1011	Chefs & Head Cooks	WK EXP	CTY	26.17	54,440	53,500	38,710	62,300	42,710	to	67,440
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	CTY	18.42	38,320	37,260	24,080	45,440	27,620	to	46,450
35-2011	Cooks, Fast Food	ST OJT	CTY	8.61	17,910	18,050	16,750	18,490	16,710	to	19,390

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35-2012	Cooks, Institution & Cafeteria	ST OJT	CTY	12.85	26,730	26,330	18,350	30,920	20,080	to	31,820
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	13.89	28,890	28,040	19,820	33,430	22,320	to	34,700
35-2015	Cooks, Short Order	ST OJT	CTY	12.01	24,980	24,240	19,210	27,870	20,610	to	28,900
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	11.16	23,220	22,280	17,080	26,290	18,690	to	26,970
35-3011	Bartenders	ST OJT	CTY	12.06	25,080	22,580	18,410	28,420	19,830	to	28,620
35-3021	Combined Food Preparation & Serving Workers	ST OJT	CTY	9.87	20,520	19,010	16,680	22,440	17,150	to	23,100
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	CTY	9.80	20,380	19,200	16,750	22,200	17,260	to	23,270
35-3031	Waiters & Waitresses	ST OJT	CTY	11.32	23,550	21,640	17,470	26,590	19,000	to	24,140
35-3041	Food Servers, Nonrestaurant	ST OJT	CTY	11.44	23,800	22,150	17,070	27,160	18,730	to	27,970
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	CTY	9.66	20,090	18,920	16,640	21,810	17,080	to	22,140
35-9021	Dishwashers	ST OJT	CTY	9.21	19,150	18,540	16,720	20,360	16,930	to	21,370
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	CTY	11.89	24,740	22,470	16,700	28,760	17,860	to	30,980
35-9099	Food Preparation & Serving Related Workers, Other	ST OJT	CTY	14.71	30,600	30,960	25,470	33,160	27,000	to	35,130
37-0000	**Building & Grounds Cleaning & Maintenance Occupations**	**#**	**CTY**	**13.95**	**29,020**	**27,500**	**19,920**	**33,570**	**22,160**	**to**	**34,560**

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PENNSYLVANIA OCCUPATIONAL WAGES
PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	CTY	20.61	42,880	41,110	31,790	48,420	34,600	to	50,250
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	CTY	24.83	51,660	50,190	39,870	57,550	42,780	to	58,770
37-2011	Janitors & Cleaners	ST OJT	CTY	13.71	28,520	27,580	19,670	32,940	22,140	to	34,150
37-2012	Maids & Housekeeping Cleaners	ST OJT	CTY	11.98	24,930	24,000	19,980	27,400	21,080	to	28,640
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	CTY	15.67	32,590	31,150	27,710	35,030	27,900	to	36,350
37-3011	Landscaping & Groundskeeping Workers	ST OJT	CTY	14.55	30,270	29,500	20,430	35,190	22,770	to	36,690
37-3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	MT OJT	MSA	20.21	42,030	41,420	33,340	46,380	35,290	to	48,280
37-3013	Tree Trimmers & Pruners	ST OJT	CTY	19.31	40,160	41,060	27,620	46,420	30,460	to	49,280
37-3019	Grounds Maintenance Workers, Other	ST OJT	MSA	23.53	48,930	55,460	36,660	55,070	42,220	to	55,470
39-0000	**Personal Care & Service Occupations**	**#**	**CTY**	**12.32**	**25,630**	**22,830**	**16,990**	**29,950**	**18,670**	**to**	**29,690**
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	19.43	40,410	37,060	26,060	47,590	28,100	to	51,980
39-2011	Animal Trainers	MT OJT	MSA	13.46	27,990	26,350	19,450	32,260	21,460	to	31,150
39-2021	Nonfarm Animal Caretakers	ST OJT	CTY	10.54	21,930	19,580	16,740	24,520	17,380	to	25,230

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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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	CTY	14.34	29,840	26,170	19,820	34,840	21,240	to	39,680
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	CTY	11.63	24,190	20,300	16,820	27,880	17,670	to	26,550
39-3091	Amusement & Recreation Attendants	ST OJT	CTY	9.60	19,980	19,020	16,910	21,510	17,240	to	22,800
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	9.74	20,260	18,090	16,620	22,080	16,640	to	21,480
39-4021	Funeral Attendants	ST OJT	MSA	14.66	30,490	29,260	20,660	35,410	23,190	to	35,790
39-4031	Morticians, Undertakers & Funeral Directors	TBD	MSA	27.61	57,430	48,330	37,020	67,630	39,290	to	79,500
39-5011	Barbers	PS	MSA	12.99	27,010	22,460	18,000	31,520	19,560	to	31,860
39-5012	Hairdressers, Hairstylists & Cosmetologists	PS	CTY	13.14	27,330	23,090	19,620	31,180	20,610	to	29,600
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	9.96	20,710	20,320	16,610	22,760	17,720	to	23,360
39-5093	Shampooers	ST OJT	MSA	8.56	17,800	17,870	16,710	18,340	16,590	to	19,160
39-5094	Skincare Specialists	PS	CTY	20.04	41,670	41,190	27,080	48,970	27,720	to	53,110
39-6011	Baggage Porters & Bellhops	ST OJT	CTY	10.13	21,070	18,750	16,780	23,210	17,060	to	23,240
39-6012	Concierges	MT OJT	CTY	12.81	26,650	24,130	21,900	29,030	21,900	to	29,990

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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39-7011	Tour Guides & Escorts	MT OJT	CTY	10.87	22,610	21,180	16,600	25,620	18,080	to	26,020
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	9.98	20,760	19,270	16,690	22,800	17,280	to	23,240
39-9021	Personal Care Aides	ST OJT	CTY	12.24	25,460	23,790	18,320	29,040	19,890	to	29,980
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	CTY	13.60	28,290	28,020	18,990	32,940	20,930	to	34,540
39-9032	Recreation Workers	BD	CTY	14.16	29,440	27,360	20,680	33,830	23,500	to	33,090
39-9041	Residential Advisors	PS	CTY	13.26	27,590	25,770	20,650	31,060	21,910	to	30,120
39-9099	Personal Care & Service Workers, Other	ST OJT	MSA	11.38	23,680	20,880	16,880	27,070	18,000	to	26,620
41-0000	**Sales & Related Occupations**	**#**	**CTY**	**20.56**	**42,760**	**27,370**	**18,170**	**55,050**	**19,800**	**to**	**50,030**
41-1011	Supervisors - Retail Sales Workers	WK EXP	CTY	27.05	56,270	44,740	31,320	68,740	36,000	to	55,810
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	CTY	54.87	114,130	100,500	55,600	143,400	68,750	to	142,570
41-2011	Cashiers	ST OJT	CTY	10.05	20,910	19,430	17,040	22,840	17,520	to	23,410
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	12.66	26,330	24,800	19,490	29,750	21,240	to	29,980
41-2022	Parts Salespersons	MT OJT	CTY	13.98	29,070	26,740	21,650	32,780	22,710	to	33,070
41-2031	Retail Salespersons	ST OJT	CTY	12.91	26,860	23,920	18,200	31,180	19,820	to	30,910

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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41-3011	Advertising Sales Agents	MT OJT	CTY	28.01	58,260	48,620	28,670	73,050	33,310	to	76,520
41-3021	Insurance Sales Agents	MT OJT	CTY	55.92	116,310	90,680	48,030	150,450	57,780	to	148,330
41-3031	Securities, Commodities & Financial Services Sales Agents	BD	CTY	46.79	97,320	74,120	34,410	128,770	38,620	to	132,660
41-3041	Travel Agents	MT OJT	CTY	18.98	39,470	37,550	28,600	44,910	31,150	to	46,730
41-3099	Sales Representatives, Other Services	ST OJT	CTY	30.95	64,370	57,710	36,900	78,100	46,460	to	77,370
41-4011	Sales Representatives, Technical & Scientific Products	BD	CTY	51.59	107,310	100,570	62,610	129,670	71,680	to	134,330
41-4012	Sales Representatives	MT OJT	CTY	31.70	65,940	59,450	39,700	79,060	46,170	to	76,150
41-9011	Demonstrators & Product Promoters	ST OJT	CTY	18.59	38,670	38,000	26,840	44,580	31,810	to	44,950
41-9021	Real Estate Brokers	WK EXP	CTY	56.64	117,800	84,820	67,790	142,810	69,060	to	144,970
41-9022	Real Estate Sales Agents	LT OJT	CTY	32.51	67,620	59,040	44,300	79,280	49,170	to	76,200
41-9031	Sales Engineers	BD	MSA	48.91	101,730	93,110	66,920	119,140	74,090	to	119,080
41-9041	Telemarketers	ST OJT	CTY	12.49	25,980	22,660	19,090	29,420	20,270	to	27,880
41-9091	Door-to-Door Sales Workers, News & Street Vendors & Related Workers	ST OJT	MSA	15.07	31,340	30,020	22,890	35,560	26,260	to	36,770
41-9099	Sales & Related Workers, Other	MT OJT	CTY	15.97	33,220	29,840	18,820	40,420	20,920	to	38,150
43-0000	**Office & Administrative Support Occupations**	**#**	**CTY**	**18.29**	**38,050**	**35,810**	**23,570**	**45,290**	**27,380**	**to**	**46,930**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	CTY	27.72	57,660	55,860	36,810	68,090	43,110	to	69,970

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PHILADELPHIA COUNTY LABOR MARKET AREA

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43-2011	Switchboard Operators	ST OJT	CTY	14.10	29,320	28,150	22,420	32,770	24,260	to	33,290
43-2021	Telephone Operators	ST OJT	CTY	20.57	42,780	44,250	29,450	49,440	34,040	to	52,780
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	17.75	36,910	35,590	24,160	43,290	27,520	to	44,240
43-3021	Billing & Posting Clerks	ST OJT	CTY	17.13	35,630	34,460	26,480	40,210	28,780	to	41,230
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	CTY	19.87	41,330	40,290	27,820	48,090	32,560	to	49,110
43-3041	Gaming Cage Workers	ST OJT	MSA	13.48	28,040	26,590	20,920	31,600	22,430	to	32,610
43-3051	Payroll & Timekeeping Clerks	MT OJT	CTY	20.00	41,600	40,960	32,830	45,980	34,810	to	46,770
43-3061	Procurement Clerks	MT OJT	CTY	21.01	43,700	45,590	32,080	49,510	36,100	to	51,430
43-3071	Tellers	ST OJT	CTY	13.40	27,880	27,340	22,400	30,610	23,800	to	30,600
43-3099	Financial Clerks, Other	TBD	CTY	16.20	33,700	32,190	22,750	39,170	23,830	to	41,210
43-4011	Brokerage Clerks	MT OJT	CTY	22.65	47,120	45,730	36,160	52,600	38,860	to	55,250
43-4021	Correspondence Clerks	ST OJT	CTY	16.73	34,810	34,160	28,100	38,160	29,750	to	38,380
43-4031	Court, Municipal & License Clerks	MT OJT	CTY	18.09	37,620	37,570	32,500	40,180	33,680	to	42,520
43-4041	Credit Authorizers, Checkers & Clerks	ST OJT	CTY	14.94	31,070	24,200	22,200	35,510	22,080	to	41,690
43-4051	Customer Service Representatives	ST OJT	CTY	17.58	36,570	34,200	25,140	42,290	27,940	to	42,990

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MAY 2012

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43-4061	Eligibility Interviewers, Government Programs	AD	MSA	22.88	47,600	46,160	38,700	52,050	41,390	to	54,650
43-4071	File Clerks	ST OJT	CTY	13.69	28,480	26,830	19,950	32,740	21,940	to	33,470
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	CTY	13.40	27,880	27,540	22,800	30,410	24,270	to	30,870
43-4111	Interviewers	ST OJT	CTY	16.72	34,780	33,360	25,360	39,490	27,260	to	41,440
43-4121	Library Assistants, Clerical	ST OJT	CTY	14.72	30,620	28,970	20,580	35,640	24,250	to	36,440
43-4131	Loan Interviewers & Clerks	ST OJT	CTY	17.89	37,220	36,460	28,700	41,470	31,850	to	43,060
43-4141	New Accounts Clerks	ST OJT	CTY	16.07	33,430	34,280	29,200	35,550	31,550	to	37,020
43-4151	Order Clerks	ST OJT	CTY	14.80	30,780	30,460	22,220	35,070	25,390	to	36,380
43-4161	Human Resources Assistants	ST OJT	CTY	19.64	40,850	40,440	28,850	46,840	32,150	to	48,600
43-4171	Receptionists & Information Clerks	ST OJT	CTY	13.74	28,580	27,520	20,110	32,810	22,490	to	33,180
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	CTY	15.44	32,110	30,710	21,610	37,360	23,650	to	41,230
43-4199	Information & Record Clerks, Other	ST OJT	CTY	20.36	42,340	42,220	31,620	47,700	34,840	to	48,420
43-5011	Cargo & Freight Agents	ST OJT	CTY	19.51	40,570	41,740	29,340	46,190	33,240	to	47,120
43-5021	Couriers & Messengers	ST OJT	CTY	13.20	27,450	26,880	21,310	30,520	23,520	to	30,000
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	CTY	16.14	33,570	33,690	31,530	34,600	31,310	to	36,070
43-5032	Dispatchers	MT OJT	CTY	20.16	41,940	40,090	28,820	48,500	32,600	to	49,710

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43-5041	Meter Readers, Utilities	ST OJT	CTY	19.48	40,520	39,300	25,740	47,910	29,160	to	51,840
43-5051	Postal Service Clerks	ST OJT	CTY	23.99	49,910	53,090	43,060	53,330	53,080	to	53,100
43-5052	Postal Service Mail Carriers	ST OJT	CTY	26.62	55,370	56,500	52,810	56,650	55,730	to	56,510
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	CTY	23.94	49,790	53,080	42,610	53,380	52,980	to	53,100
43-5061	Production, Planning & Expediting Clerks	MT OJT	CTY	24.04	50,000	50,860	33,140	58,430	39,240	to	59,140
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	CTY	17.09	35,550	34,420	24,170	41,240	27,570	to	42,370
43-5081	Stock Clerks & Order Fillers	ST OJT	CTY	11.32	23,540	21,060	16,940	26,840	17,950	to	27,150
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	CTY	17.74	36,890	35,290	22,010	44,340	25,530	to	49,520
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	CTY	26.78	55,710	54,430	40,360	63,380	45,220	to	64,800
43-6012	Legal Secretaries	MT OJT	CTY	24.21	50,360	50,600	38,120	56,480	41,800	to	59,110
43-6013	Medical Secretaries	MT OJT	CTY	18.02	37,480	36,590	30,090	41,170	31,700	to	43,190
43-6014	Secretaries	ST OJT	CTY	17.35	36,090	35,400	25,160	41,550	28,610	to	43,410
43-9011	Computer Operators	MT OJT	CTY	21.31	44,320	44,860	30,340	51,300	35,940	to	54,250
43-9021	Data Entry Keyers	MT OJT	CTY	15.50	32,240	32,150	24,400	36,170	26,500	to	37,180
43-9022	Word Processors & Typists	ST OJT	CTY	16.71	34,750	33,520	29,540	37,350	30,520	to	36,970
43-9031	Desktop Publishers	AD	CTY	23.47	48,820	45,540	29,030	58,710	33,280	to	67,530

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43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	CTY	19.66	40,900	40,170	30,930	45,880	33,740	to	46,590
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	CTY	16.06	33,400	33,150	25,290	37,460	28,870	to	38,570
43-9061	Office Clerks, General	ST OJT	CTY	15.58	32,400	31,120	20,910	38,150	24,010	to	38,610
43-9071	Office Machine Operators	ST OJT	CTY	15.47	32,170	30,190	23,290	36,620	25,630	to	39,780
43-9081	Proofreaders & Copy Markers	BD	CTY	16.43	34,170	32,050	25,230	38,640	27,180	to	41,650
43-9111	Statistical Assistants	BD	CTY	21.76	45,270	47,170	33,090	51,360	38,760	to	54,000
43-9199	Office & Administrative Support Workers, Other	ST OJT	CTY	19.60	40,770	40,530	26,420	47,950	29,830	to	49,290
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**CTY**	**20.69**	**43,040**	**44,880**	**25,210**	**51,960**	**28,740**	**to**	**55,830**
45-1011	Farm & Forestry Worker Supervisors	WK EXP	CTY	27.61	57,430	57,200	50,650	60,820	51,910	to	64,240
45-2011	Agricultural Inspectors	BD	MSA	24.82	51,620	50,620	39,580	57,650	42,160	to	59,230
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	MSA	10.50	21,840	21,770	16,550	24,480	17,840	to	26,440
45-2091	Agricultural Equipment Operators	ST OJT	MSA	20.10	41,810	40,000	31,060	47,190	33,040	to	52,020
45-2092	Farmworkers & Laborers, Crop, Nursery & Greenhouse	ST OJT	MSA	13.76	28,630	27,400	21,620	32,140	24,040	to	31,840
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	MSA	12.65	26,310	25,990	19,610	29,670	21,570	to	29,540
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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PENNSYLVANIA OCCUPATIONAL WAGES
PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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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	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**	**26.37**	**54,840**	**50,050**	**34,090**	**65,220**	**38,060**	**to**	**68,220**
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	CTY	40.41	84,060	84,580	58,540	96,820	68,140	to	100,410
47-2011	Boilermakers	LT OJT	MSA	28.86	60,040	61,850	49,760	65,180	53,230	to	69,260
47-2021	Brickmasons & Blockmasons	LT OJT	CTY	25.18	52,370	45,680	42,540	57,280	41,940	to	62,900
47-2022	Stonemasons	LT OJT	MSA	26.95	56,060	55,440	39,090	64,550	47,510	to	64,030
47-2031	Carpenters	LT OJT	CTY	23.67	49,230	44,600	31,180	58,250	34,560	to	60,530
47-2041	Carpet Installers	ST OJT	MSA	25.83	53,720	43,100	34,990	63,080	36,810	to	68,060
47-2042	Floor Layers	MT OJT	MSA	15.81	32,880	32,750	27,920	35,360	29,460	to	35,960
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	MSA	25.44	52,910	50,810	29,490	64,610	33,380	to	72,830
47-2051	Cement Masons & Concrete Finishers	MT OJT	CTY	23.18	48,210	45,530	37,300	53,660	39,440	to	58,040

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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47-2053	Terrazzo Workers & Finishers	LT OJT	MSA	25.91	53,890	54,630	38,750	61,450	43,200	to	64,860
47-2061	Construction Laborers	ST OJT	CTY	20.98	43,630	39,920	31,790	49,550	33,440	to	54,510
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	CTY	30.84	64,150	65,470	54,700	68,880	58,980	to	71,310
47-2072	Pile-Driver Operators	MT OJT	MSA	29.32	60,980	58,250	51,300	65,830	52,080	to	69,750
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	CTY	26.28	54,660	45,420	36,820	63,580	39,020	to	73,930
47-2081	Drywall & Ceiling Tile Installers	MT OJT	CTY	37.93	78,900	83,430	58,610	89,040	75,180	to	91,790
47-2082	Tapers	MT OJT	MSA	27.19	56,560	55,410	37,790	65,950	42,880	to	70,790
47-2111	Electricians	LT OJT	CTY	31.45	65,420	55,680	40,420	77,920	44,610	to	97,020
47-2121	Glaziers	LT OJT	CTY	19.43	40,410	40,940	33,700	43,760	36,200	to	44,870
47-2131	Insulation Workers, Floor, Ceiling & Wall	ST OJT	MSA	17.72	36,860	35,500	34,210	38,180	33,020	to	37,980
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	21.99	45,740	46,770	32,330	52,440	37,360	to	55,330
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	MSA	25.01	52,010	50,770	40,510	57,770	43,060	to	61,580
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	CTY	30.62	63,680	62,360	47,920	71,560	51,740	to	74,740
47-2161	Plasterers & Stucco Masons	LT OJT	MSA	23.56	49,010	50,280	39,900	53,570	43,570	to	55,750

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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47-2171	Reinforcing Iron & Rebar Workers	LT OJT	MSA	43.85	91,200	90,040	85,740	93,940	83,420	to	96,830
47-2181	Roofers	MT OJT	CTY	18.87	39,250	39,660	33,710	42,010	35,160	to	44,180
47-2211	Sheet Metal Workers	LT OJT	CTY	24.98	51,960	52,100	33,350	61,270	38,960	to	64,570
47-2221	Structural Iron & Steel Workers	LT OJT	MSA	23.42	48,710	45,360	35,120	55,500	37,110	to	56,670
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	CTY	13.00	27,050	27,180	27,040	27,050	25,610	to	28,750
47-3012	Helpers--Carpenters	ST OJT	CTY	10.85	22,570	21,000	17,080	25,310	18,450	to	23,760
47-3013	Helpers--Electricians	ST OJT	CTY	12.10	25,170	23,500	22,070	26,720	21,650	to	26,660
47-3014	Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	ST OJT	MSA	11.59	24,110	23,620	21,390	25,460	21,430	to	27,130
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	CTY	17.37	36,140	35,390	31,910	38,250	32,320	to	38,440
47-3016	Helpers--Roofers	ST OJT	MSA	13.75	28,590	28,440	20,450	32,670	22,400	to	34,340
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	23.15	48,150	44,380	36,830	53,810	39,420	to	54,620
47-4021	Elevator Installers & Repairers	LT OJT	CTY	40.31	83,840	82,160	54,110	98,700	57,460	to	109,070
47-4031	Fence Erectors	MT OJT	MSA	16.99	35,340	35,220	29,970	38,030	31,360	to	39,640
47-4041	Hazardous Materials Removal Workers	MT OJT	CTY	17.09	35,550	32,440	27,240	39,700	28,190	to	37,470

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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47-4051	Highway Maintenance Workers	MT OJT	CTY	19.47	40,490	41,080	35,040	43,210	36,960	to	44,380
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	MSA	19.09	39,700	38,320	32,000	43,550	33,450	to	45,250
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	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	MSA	18.49	38,460	37,350	34,370	40,500	34,020	to	42,740
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	MSA	12.17	25,300	23,350	22,070	26,920	21,580	to	29,440

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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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**	**20.52**	**42,680**	**40,900**	**26,680**	**50,680**	**31,520**	**to**	**53,570**
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	CTY	32.56	67,720	67,000	51,010	76,080	56,640	to	75,140
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	CTY	21.07	43,820	44,130	31,950	49,760	35,940	to	53,470
49-2021	Radio, Cellular & Tower Equipment Installers & Repairers	AD	MSA	27.93	58,090	57,820	48,600	62,830	52,250	to	65,650
49-2022	Telecommunications Equipment Installers & Repairers	PS	CTY	29.07	60,460	63,610	45,570	67,900	49,870	to	70,960
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	20.07	41,750	40,650	30,480	47,380	32,430	to	49,800
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equipment	PS	MSA	19.23	40,000	42,150	28,020	46,000	31,910	to	46,180
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS	CTY	22.92	47,670	44,730	39,850	51,570	40,960	to	56,940
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS	MSA	35.69	74,230	74,250	60,780	80,960	64,320	to	86,240
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	CTY	16.30	33,910	31,990	25,640	38,050	26,940	to	40,340
49-2098	Security & Fire Alarm Systems Installers	MT OJT	CTY	28.45	59,170	63,710	42,130	67,700	47,860	to	69,990
49-3011	Aircraft Mechanics & Service Technicians	PS	CTY	25.30	52,630	53,130	40,600	58,650	46,050	to	58,610
49-3021	Automotive Body & Related Repairers	MT OJT	CTY	21.58	44,900	42,490	30,660	52,010	34,340	to	48,510

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MAY 2012

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49-3022	Automotive Glass Installers & Repairers	MT OJT	MSA	14.45	30,060	28,700	22,260	33,960	23,550	to	35,960
49-3023	Automotive Service Technicians & Mechanics	LT OJT	CTY	16.06	33,410	34,280	19,760	40,230	22,870	to	42,080
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	CTY	20.92	43,510	42,970	33,660	48,430	36,560	to	49,920
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	MSA	16.84	35,030	33,000	21,130	41,980	24,670	to	46,920
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	CTY	25.12	52,260	50,130	41,020	57,880	42,960	to	58,000
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	MSA	18.16	37,770	37,650	28,120	42,600	30,990	to	44,250
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	CTY	15.45	32,130	31,990	22,090	37,150	22,780	to	36,930
49-3091	Bicycle Repairers	MT OJT	CTY	15.18	31,580	33,280	21,390	36,680	22,710	to	37,650
49-3092	Recreational Vehicle Service Technicians	LT OJT	MSA	19.52	40,610	40,730	30,870	45,480	34,710	to	45,590
49-3093	Tire Repairers & Changers	MT OJT	CTY	11.11	23,100	23,440	18,240	25,530	19,860	to	27,070
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	CTY	23.08	48,010	46,620	40,090	51,960	41,390	to	54,570
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS	CTY	23.99	49,890	50,150	40,720	54,480	42,860	to	57,470
49-9031	Home Appliance Repairers	MT OJT	CTY	19.48	40,510	39,030	31,520	45,010	33,470	to	46,900

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49-9041	Industrial Machinery Mechanics	LT OJT	CTY	20.96	43,590	42,040	32,770	49,000	35,180	to	51,350
49-9043	Maintenance Workers, Machinery	MT OJT	CTY	20.71	43,080	43,670	30,810	49,210	36,730	to	50,120
49-9044	Millwrights	LT OJT	MSA	28.55	59,390	60,760	49,650	64,260	52,620	to	68,230
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	MSA	31.88	66,320	67,590	51,530	73,710	58,410	to	74,750
49-9052	Telecommunications Line Installers & Repairers	LT OJT	CTY	25.21	52,440	54,740	34,380	61,480	37,340	to	67,440
49-9061	Camera & Photographic Equipment Repairers	AD	CTY	19.55	40,670	35,580	32,250	44,880	32,740	to	38,420
49-9062	Medical Equipment Repairers	AD	CTY	24.73	51,430	51,570	36,040	59,130	41,990	to	59,460
49-9063	Musical Instrument Repairers & Tuners	PS	CTY	22.77	47,360	49,340	34,040	54,020	40,640	to	56,300
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	CTY	25.99	54,050	56,210	48,420	56,870	50,450	to	59,070
49-9071	Maintenance & Repair Workers, General	MT OJT	CTY	18.58	38,640	36,880	26,490	44,720	30,230	to	46,490
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	MSA	14.30	29,750	29,300	20,430	34,400	22,650	to	35,630
49-9094	Locksmiths & Safe Repairers	LT OJT	CTY	25.11	52,240	53,420	41,380	57,660	44,390	to	58,320
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	CTY	23.32	48,510	50,940	36,580	54,470	42,840	to	57,460

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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	12.21	25,400	22,460	20,530	27,840	20,640	to	27,120
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	CTY	24.42	50,790	52,570	35,380	58,490	43,850	to	57,860
51-0000	**Production Occupations**	**#**	**CTY**	**17.24**	**35,860**	**32,910**	**22,080**	**42,750**	**24,740**	**to**	**44,410**
51-1011	Supervisors - Production & Operating Workers	PS	CTY	29.38	61,100	61,170	38,430	72,440	45,670	to	74,430
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	MSA	24.28	50,490	47,830	30,490	60,500	35,860	to	67,240
51-2022	Electrical & Electronic Equipment Assemblers	ST OJT	CTY	18.76	39,020	37,740	30,210	43,420	33,120	to	44,510
51-2023	Electromechanical Equipment Assemblers	ST OJT	MSA	16.07	33,430	32,630	24,640	37,830	26,540	to	39,370
51-2031	Engine & Other Machine Assemblers	ST OJT	MSA	15.83	32,920	31,350	23,010	37,870	24,190	to	40,320
51-2041	Structural Metal Fabricators & Fitters	MT OJT	CTY	22.70	47,220	47,550	33,420	54,120	39,720	to	55,760
51-2091	Fiberglass Laminators & Fabricators	MT OJT	MSA	13.50	28,080	27,870	23,990	30,120	24,910	to	30,960
51-2092	Team Assemblers	MT OJT	CTY	14.75	30,680	29,480	22,040	35,010	24,770	to	36,290
51-2099	Assemblers & Fabricators, Other	MT OJT	CTY	11.57	24,080	23,420	18,920	26,650	20,320	to	27,810
51-3011	Bakers	LT OJT	CTY	13.44	27,960	27,450	18,070	32,910	19,680	to	33,700
51-3021	Butchers & Meat Cutters	LT OJT	CTY	15.11	31,430	29,770	20,530	36,880	23,210	to	39,580

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	CTY	13.62	28,320	27,620	20,750	32,110	22,680	to	33,930
51-3023	Slaughterers & Meat Packers	MT OJT	MSA	15.10	31,400	30,500	21,920	36,140	23,160	to	39,690
51-3091	Food & Tobacco Roasting, Baking & Drying Machine Operators & Tenders	MT OJT	CTY	15.78	32,820	33,710	21,020	38,710	23,030	to	41,970
51-3092	Food Batchmakers	ST OJT	CTY	15.09	31,390	27,310	19,800	37,180	21,400	to	39,230
51-3093	Food Cooking Machine Operators & Tenders	ST OJT	CTY	13.12	27,290	27,110	19,990	30,940	22,440	to	31,080
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	23.08	48,010	49,820	33,560	55,240	37,800	to	56,790
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	MT OJT	MSA	28.65	59,600	54,470	39,760	69,520	43,190	to	71,200
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	19.94	41,480	40,900	31,480	46,480	33,830	to	49,310
51-4022	Forging Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	23.52	48,920	51,460	43,240	51,760	45,920	to	53,420
51-4023	Rolling Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	21.03	43,750	43,000	37,650	46,800	39,450	to	46,540
51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	18.60	38,690	38,250	28,360	43,850	31,560	to	46,180
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	16.61	34,550	34,340	22,500	40,570	27,250	to	41,080
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	18.74	38,980	39,970	27,670	44,640	30,870	to	45,780
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	19.26	40,070	41,460	28,670	45,770	32,250	to	47,090
51-4035	Milling & Planing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	22.33	46,440	45,320	34,250	52,530	39,900	to	54,810

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MAY 2012

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51-4041	Machinists	LT OJT	CTY	22.45	46,700	44,780	34,210	52,940	37,300	to	55,330
51-4051	Metal-Refining Furnace Operators & Tenders	MT OJT	MSA	21.17	44,020	42,870	30,780	50,640	33,950	to	50,630
51-4052	Pourers & Casters, Metal	MT OJT	MSA	17.62	36,650	35,830	30,040	39,960	31,780	to	41,090
51-4061	Model Makers, Metal & Plastic	LT OJT	MSA	25.75	53,560	55,730	33,720	63,480	36,680	to	68,020
51-4062	Patternmakers, Metal & Plastic	LT OJT	PA	18.13	37,710	36,960	29,610	41,760	31,160	to	43,190
51-4071	Foundry Mold & Coremakers	MT OJT	MSA	21.97	45,700	47,720	29,410	53,850	35,320	to	57,460
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	15.98	33,240	31,660	25,700	37,000	26,960	to	37,640
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	19.09	39,700	40,410	27,270	45,910	30,260	to	48,700
51-4111	Tool & Die Makers	LT OJT	CTY	25.67	53,390	53,020	42,890	58,640	44,180	to	63,470
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	CTY	20.81	43,280	43,150	29,330	50,250	31,970	to	54,060
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	CTY	17.60	36,620	39,670	26,400	41,720	30,730	to	43,890
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	21.68	45,090	51,520	30,660	52,300	32,900	to	53,430
51-4192	Layout Workers, Metal & Plastic	MT OJT	MSA	23.61	49,120	48,180	42,650	52,350	43,340	to	55,600
51-4193	Plating & Coating Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	CTY	17.11	35,580	29,340	25,530	40,600	26,190	to	36,010
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	MSA	16.05	33,380	30,290	25,550	37,300	26,460	to	36,700
51-4199	Metal Workers & Plastic Workers, Other	MT OJT	MSA	15.31	31,850	19,610	16,880	39,340	17,550	to	50,980

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MAY 2012

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51-5111	Prepress Technician & Workers	PS	CTY	18.62	38,740	37,330	29,660	43,270	32,400	to	44,160
51-5112	Printing Press Operators	MT OJT	CTY	20.37	42,370	42,860	32,030	47,540	37,080	to	47,160
51-5113	Print Binding & Finishing Workers	ST OJT	CTY	17.20	35,770	40,140	19,770	43,770	22,700	to	45,030
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	CTY	11.15	23,190	22,480	17,760	25,910	19,320	to	27,040
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	CTY	11.37	23,640	23,000	19,430	25,750	20,500	to	27,110
51-6031	Sewing Machine Operators	ST OJT	CTY	13.10	27,250	26,600	21,030	30,360	22,600	to	31,570
51-6041	Shoe & Leather Workers & Repairers	MT OJT	MSA	12.10	25,180	18,680	16,720	29,400	17,020	to	23,360
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	MSA	9.86	20,500	20,450	16,750	22,370	18,260	to	22,540
51-6052	Tailors, Dressmakers & Custom Sewers	MT OJT	CTY	18.97	39,460	35,140	29,110	44,640	30,800	to	43,810
51-6061	Textile Bleaching & Dyeing Machine Operators & Tenders	ST OJT	CTY	10.67	22,180	22,080	19,710	23,420	20,240	to	23,920
51-6062	Textile Cutting Machine Setters, Operators & Tenders	MT OJT	CTY	14.20	29,530	28,450	23,480	32,560	24,620	to	33,960
51-6063	Textile Knitting & Weaving Machine Setters, Operators & Tenders	MT OJT	CTY	11.69	24,320	23,640	16,850	28,060	18,230	to	28,100
51-6064	Textile Winding, Twisting & Drawing Out Machine Setters, Operators & Tenders	MT OJT	MSA	13.89	28,890	28,530	20,870	32,900	25,210	to	33,900
51-6091	Extruding & Forming Machine Setters, Operators & Tenders, Synthetic & Glass Fibers	MT OJT	MSA	17.55	36,500	40,220	24,940	42,280	27,850	to	43,770
51-6092	Fabric & Apparel Patternmakers	MT OJT	CTY	16.86	35,080	35,940	27,380	38,930	31,940	to	41,180

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PHILADELPHIA COUNTY LABOR MARKET AREA

MAY 2012

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51-6093	Upholsterers	MT OJT	CTY	16.98	35,320	24,070	21,600	42,180	21,750	to	51,590
51-6099	Textile, Apparel & Furnishings Workers, Other	ST OJT	MSA	25.38	52,790	53,330	51,090	53,650	50,330	to	56,950
51-7011	Cabinetmakers & Bench Carpenters	MT OJT	CTY	21.55	44,820	49,320	24,760	54,850	27,320	to	57,460
51-7021	Furniture Finishers	ST OJT	MSA	19.27	40,080	37,600	29,360	45,430	31,530	to	46,480
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	MSA	21.40	44,500	51,340	24,210	54,650	23,780	to	58,410
51-7041	Sawing Machine Setters, Operators & Tenders, Wood	ST OJT	MSA	19.12	39,770	37,410	31,320	44,000	32,750	to	48,140
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	CTY	11.36	23,640	22,190	21,560	24,670	20,840	to	23,540
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	MSA	42.80	89,020	81,030	56,300	105,370	62,830	to	113,590
51-8013	Power Plant Operators	LT OJT	CTY	29.85	62,090	60,700	52,540	66,860	53,880	to	70,770
51-8021	Stationary Engineers & Boiler Operators	LT OJT	CTY	24.95	51,890	53,180	41,320	57,180	45,350	to	58,620
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	CTY	21.40	44,520	41,880	33,890	49,830	35,820	to	49,680
51-8091	Chemical Plant & System Operators	LT OJT	CTY	24.18	50,280	52,580	43,190	53,830	48,540	to	56,600
51-8092	Gas Plant Operators	LT OJT	MSA	21.50	44,730	44,830	34,800	49,690	38,930	to	52,320

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51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	LT OJT	MSA	26.00	54,070	49,910	41,840	60,190	43,220	to	63,490
51-8099	Plant & System Operators, Other	LT OJT	CTY	26.62	55,360	57,460	50,080	58,000	52,150	to	58,580
51-9011	Chemical Equipment Operators & Tenders	MT OJT	CTY	17.57	36,550	35,330	26,230	41,700	28,280	to	44,260
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	CTY	20.41	42,450	43,230	37,980	44,690	39,960	to	46,490
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	CTY	14.56	30,290	29,580	21,430	34,720	22,030	to	37,740
51-9022	Grinding & Polishing Workers, Hand	MT OJT	CTY	18.32	38,100	38,600	28,390	42,950	32,830	to	45,350
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	CTY	19.43	40,420	39,660	30,270	45,490	32,910	to	47,830
51-9031	Cutters & Trimmers, Hand	ST OJT	MSA	14.18	29,490	27,590	21,920	33,270	23,200	to	34,600
51-9032	Cutting & Slicing Machine Setters, Operators & Tenders	ST OJT	CTY	17.96	37,350	36,510	32,820	39,620	33,190	to	41,120
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	MSA	19.98	41,570	39,550	27,980	48,360	30,970	to	47,720
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	MT OJT	MSA	15.41	32,060	30,130	26,270	34,960	26,940	to	36,140
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	CTY	19.49	40,530	37,400	29,250	46,170	31,960	to	46,490
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	CTY	17.79	36,990	37,540	26,110	42,440	29,200	to	43,830
51-9081	Dental Laboratory Technicians	MT OJT	MSA	19.45	40,460	39,410	29,830	45,780	31,970	to	46,420
51-9082	Medical Appliance Technicians	LT OJT	CTY	18.62	38,730	37,320	28,020	44,080	31,610	to	45,850
51-9083	Ophthalmic Laboratory Technicians	MT OJT	CTY	15.92	33,110	31,240	25,590	36,870	26,780	to	39,660

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51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	CTY	15.11	31,440	31,030	20,610	36,850	22,980	to	38,170
51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	CTY	16.01	33,300	32,680	24,070	37,900	25,890	to	40,300
51-9122	Painters, Transportation Equipment	MT OJT	CTY	23.36	48,580	47,810	41,320	52,210	42,660	to	55,380
51-9123	Painting, Coating & Decorating Workers	MT OJT	CTY	19.42	40,400	41,440	25,770	47,710	32,570	to	53,090
51-9141	Semiconductor Processors	AD	MSA	16.68	34,690	34,980	24,180	39,940	26,320	to	42,940
51-9151	Photographic Process Workers & Processing Machine Operators	ST OJT	CTY	10.07	20,950	18,600	16,730	23,060	16,950	to	22,830
51-9191	Adhesive Bonding Machine Operators & Tenders	MT OJT	MSA	17.30	35,980	33,080	24,350	41,800	26,400	to	39,810
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators & Tenders	MT OJT	MSA	14.96	31,110	29,260	23,180	35,080	24,940	to	37,420
51-9193	Cooling & Freezing Equipment Operators & Tenders	MT OJT	MSA	17.53	36,450	29,330	24,960	42,200	25,940	to	51,630
51-9194	Etchers & Engravers	MT OJT	CTY	14.16	29,460	27,890	27,370	30,500	26,120	to	29,660
51-9195	Molders, Shapers & Casters, Except Metal & Plastic	LT OJT	CTY	20.85	43,360	39,250	35,100	47,500	35,280	to	50,980
51-9196	Paper Goods Machine Setters, Operators & Tenders	MT OJT	CTY	20.68	43,010	43,380	35,480	46,780	38,860	to	47,740
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	12.86	26,750	25,140	19,180	30,540	20,820	to	30,160
51-9199	Production Workers, Other	MT OJT	CTY	15.84	32,940	29,970	22,720	38,060	24,660	to	37,140
53-0000	**Transportation & Material Moving Occupations**	**#**	**CTY**	**17.85**	**37,130**	**31,860**	**20,590**	**45,400**	**23,300**	**to**	**42,830**

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53-1011	Aircraft Cargo Handling Supervisors	WK EXP	CTY	17.15	35,670	35,180	30,900	38,050	31,860	to	38,530
53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	CTY	26.20	54,500	54,260	38,200	62,660	43,060	to	66,570
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	CTY	26.38	54,870	55,970	32,830	65,890	38,570	to	70,480
53-2012	Commercial Pilots	LT OJT	MSA	*	95,320	86,590	52,060	116,940	60,850	to	123,250
53-2021	Air Traffic Controllers	AD	MSA	67.31	140,010	147,460	103,400	158,310	126,270	to	165,760
53-2022	Airfield Operations Specialists	LT OJT	CTY	25.39	52,820	52,400	41,310	58,570	44,950	to	60,030
53-3011	Ambulance Drivers & Attendants	MT OJT	MSA	11.42	23,750	23,870	18,850	26,200	20,230	to	27,500
53-3021	Bus Drivers, Transit & Intercity	MT OJT	CTY	15.69	32,630	30,650	26,430	35,740	27,120	to	38,110
53-3022	Bus Drivers, School or Special Client	MT OJT	CTY	19.10	39,720	40,590	24,210	47,480	28,190	to	51,450
53-3031	Driver/Sales Workers	ST OJT	CTY	13.12	27,300	23,970	16,780	32,560	18,530	to	34,320
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	CTY	20.25	42,110	40,940	29,240	48,550	32,120	to	51,520
53-3033	Light Truck or Delivery Services Drivers	ST OJT	CTY	18.85	39,210	36,140	22,850	47,380	25,740	to	52,720
53-3041	Taxi Drivers & Chauffeurs	ST OJT	CTY	12.46	25,920	24,470	21,220	28,270	21,850	to	29,370
53-3099	Motor Vehicle Operators, Other	ST OJT	CTY	18.60	38,680	36,420	27,970	44,040	31,590	to	49,630
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

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PENNSYLVANIA OCCUPATIONAL WAGES
PHILADELPHIA 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 ($)	Mid Range Annual Wage ($)		
53-4021	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
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	CTY	16.63	34,590	32,810	27,840	37,960	28,800	to	36,370
53-5021	Captains, Mates & Pilots of Water Vessels	BD	CTY	20.82	43,310	39,120	27,900	51,020	29,900	to	47,790
53-5031	Ship Engineers	BD	MSA	51.64	107,420	69,860	47,090	137,590	51,500	to	125,010
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	10.01	20,820	20,100	16,770	22,840	17,670	to	23,700
53-6031	Automotive & Watercraft Service Attendants	ST OJT	CTY	8.76	18,220	17,610	16,640	19,010	16,410	to	18,800
53-6041	Traffic Technicians	ST OJT	CTY	21.81	45,370	43,890	40,220	47,950	40,320	to	47,820
53-6051	Transportation Inspectors	PS	CTY	37.43	77,850	62,860	50,990	91,280	54,110	to	105,720
53-6061	Transportation Attendants	ST OJT	CTY	8.24	17,150	17,300	16,550	17,440	16,230	to	18,380
53-6099	Transportation Workers, Other	ST OJT	MSA	19.87	41,330	41,360	35,390	44,300	37,790	to	45,090
53-7011	Conveyor Operators & Tenders	ST OJT	CTY	12.10	25,180	23,860	21,580	26,980	21,650	to	27,830
53-7021	Crane & Tower Operators	WK EXP	CTY	25.56	53,170	46,820	41,390	59,050	42,140	to	61,320
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	MSA	24.81	51,600	47,550	38,970	57,920	41,710	to	62,630

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

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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
53-7051	Industrial Truck & Tractor Operators	ST OJT	CTY	17.86	37,140	37,200	29,120	41,150	32,160	to	43,280
53-7061	Cleaners of Vehicles & Equipment	ST OJT	CTY	10.81	22,480	21,900	18,460	24,500	19,920	to	23,900
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	CTY	15.40	32,040	30,290	21,200	37,460	23,710	to	37,700
53-7063	Machine Feeders & Offbearers	ST OJT	CTY	14.10	29,340	28,080	19,800	34,100	22,020	to	36,550
53-7064	Packers & Packagers, Hand	ST OJT	CTY	11.42	23,750	22,050	16,800	27,230	18,050	to	28,750
53-7071	Gas Compressor & Gas Pumping Station Operators	MT OJT	MSA	19.32	40,190	39,940	31,490	44,530	33,570	to	46,180
53-7072	Pump Operators	MT OJT	CTY	28.85	60,000	58,020	50,000	65,000	52,680	to	63,960
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	15.30	31,820	28,130	21,380	37,040	22,180	to	41,410
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	PA	15.38	32,000	32,500	20,450	37,770	22,930	to	37,860

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