PENNSYLVANIA OCCUPATIONAL WAGES
ARMSTRONG 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**	**18.39**	**38,240**	**31,600**	**18,500**	**48,120**	**20,580**	**to**	**45,440**
11-0000	**Management Occupations**	**#**	**CTY**	**48.36**	**100,590**	**83,390**	**50,600**	**125,590**	**57,990**	**to**	**122,820**
11-1011	Chief Executives	BD+	CTY	70.22	146,060	132,940	77,630	180,270	91,730	to	184,380
11-1021	General & Operations Managers	AD+	CTY	58.69	122,070	106,590	67,190	149,510	83,820	to	147,990
11-1031	Legislators (Includes all local elected officials)	BD+	WIA	*	52,410	63,150	17,410	69,920	18,690	to	82,870
11-2011	Advertising & Promotions Managers	BD+	MSA	50.27	104,560	78,570	50,430	131,630	56,520	to	150,720
11-2021	Marketing Managers	BD+	WIA	63.61	132,300	130,170	65,500	165,700	82,960	to	166,650
11-2022	Sales Managers	BD+	WIA	50.41	104,840	93,730	61,050	126,740	68,040	to	127,280
11-2031	Public Relations & Fundraising Managers	BD+	MSA	48.90	101,710	88,340	57,050	124,030	62,910	to	129,860
11-3011	Administrative Services Managers	WK EXP	WIA	44.87	93,340	86,520	43,510	118,250	53,980	to	115,000
11-3021	Computer & Information Systems Managers	BD+	WIA	46.29	96,280	91,730	66,300	111,280	75,560	to	115,530
11-3031	Financial Managers	BD+	CTY	67.56	140,520	93,300	76,720	172,420	80,690	to	#
11-3051	Industrial Production Managers	BD+	CTY	42.99	89,420	59,080	51,500	108,380	52,410	to	117,720
11-3061	Purchasing Managers	BD+	WIA	58.62	121,920	109,670	72,860	146,460	86,380	to	140,520
11-3071	Transportation, Storage & Distribution Managers	WK EXP	WIA	34.64	72,040	65,490	40,590	87,770	44,750	to	96,960
11-3111	Compensation & Benefits Managers	BD+	WIA	56.18	116,860	120,070	73,260	138,660	75,740	to	151,530

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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11-3121	Human Resources Managers	BD+	WIA	53.85	112,010	105,440	77,970	129,020	86,430	to	130,530
11-3131	Training & Development Managers	BD+	WIA	51.70	107,540	101,690	81,160	120,720	87,520	to	117,000
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	36.67	76,280	70,780	67,920	80,460	65,890	to	75,670
11-9031	Education Administrators, Preschool & Childcare Center/Program	BD+	WIA	22.83	47,500	41,550	35,520	53,480	36,360	to	61,300
11-9032	Education Administrators, Elementary & Secondary School	MD+	WIA	*	90,300	92,330	70,880	100,010	78,080	to	107,700
11-9033	Education Administrators, Postsecondary	MD+	MSA	52.00	108,160	85,900	52,860	135,810	61,350	to	132,750
11-9039	Education Administrators, Other	BD+	MSA	40.47	84,180	76,360	61,690	95,420	65,770	to	99,600
11-9041	Architectural & Engineering Managers	BD+	WIA	64.38	133,920	118,800	86,790	157,480	97,690	to	148,340
11-9051	Food Service Managers	WK EXP	WIA	24.60	51,170	54,040	38,580	57,470	47,330	to	58,920
11-9061	Funeral Service Managers	AD	MSA	34.03	70,780	64,330	54,010	79,170	55,540	to	84,140
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	MSA	28.22	58,700	54,690	35,950	70,070	44,530	to	60,950
11-9111	Medical & Health Services Managers	BD	CTY	44.49	92,540	89,120	66,000	105,810	70,360	to	111,930
11-9121	Natural Sciences Managers	BD+	WIA	43.05	89,550	59,810	42,950	112,850	45,460	to	120,610
11-9131	Postmasters & Mail Superintendents	WK EXP	CTY	27.28	56,750	56,340	41,390	64,420	51,800	to	66,230

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11-9141	Property, Real Estate & Community Association Managers	WK EXP	WIA	30.01	62,430	43,900	31,720	77,780	36,720	to	51,170
11-9151	Social & Community Service Managers	BD+	CTY	23.39	48,660	47,720	42,680	51,640	43,120	to	54,850
11-9161	Emergency Management Directors	BD+	WIA	20.57	42,790	40,490	31,760	48,300	34,270	to	48,240
11-9199	Managers, Other	WK EXP	WIA	44.20	91,930	94,530	40,820	117,480	77,240	to	115,090
13-0000	**Business & Financial Operations Occupations**	**#**	**CTY**	**29.11**	**60,560**	**56,260**	**39,290**	**71,190**	**45,380**	**to**	**74,710**
13-1011	Agents & Business Managers of Artists, Performers & Athletes	BD+	MSA	26.03	54,140	33,320	24,850	68,780	26,510	to	49,150
13-1021	Buyers & Purchasing Agents, Farm Products	LT OJT	MSA	38.06	79,160	58,600	44,510	96,480	49,870	to	128,930
13-1022	Wholesale & Retail Buyers	LT OJT	WIA	28.85	60,010	48,990	36,710	71,660	40,680	to	73,790
13-1023	Purchasing Agents	LT OJT	CTY	26.62	55,370	50,370	40,270	62,920	43,340	to	61,650
13-1031	Claims Adjusters, Examiners & Investigators	LT OJT	WIA	30.79	64,040	64,370	48,250	71,940	53,620	to	72,170
13-1032	Insurance Appraisers, Auto Damage	PS	MSA	29.01	60,330	59,780	51,250	64,870	52,740	to	68,990
13-1041	Compliance Officers	BD	WIA	28.08	58,410	54,820	36,490	69,370	40,860	to	74,800
13-1051	Cost Estimators	BD	CTY	25.03	52,050	51,910	43,450	56,360	45,620	to	58,180
13-1071	Human Resources Specialists	BD	CTY	31.43	65,360	67,320	59,050	68,520	62,480	to	72,150
13-1075	Labor Relations Specialists	BD	WIA	22.55	46,900	49,830	35,280	52,700	38,420	to	55,530
13-1081	Logisticians	BD+	WIA	30.96	64,390	59,450	38,450	77,360	42,700	to	83,620

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13-1111	Management Analysts	BD+	WIA	42.72	88,850	82,280	57,110	104,720	70,160	to	94,540
13-1121	Meeting, Convention & Event Planners	BD	WIA	15.54	32,320	34,020	20,990	37,980	19,790	to	37,410
13-1131	Fundraisers	TBD	MSA	24.97	51,940	50,120	33,960	60,930	37,540	to	62,060
13-1141	Compensation, Benefits & Job Analysis Specialists	BD	WIA	28.18	58,620	58,030	37,770	69,040	41,730	to	71,670
13-1151	Training & Development Specialists	BD	CTY	21.88	45,500	45,000	43,520	46,500	42,070	to	47,930
13-1161	Market Research Analysts & Marketing Specialists	BD	CTY	31.53	65,590	65,900	42,400	77,180	50,020	to	81,710
13-1199	Business Operations Specialists, Other	LT OJT	WIA	34.73	72,240	72,480	48,790	83,960	58,520	to	79,500
13-2011	Accountants & Auditors	BD	CTY	33.80	70,290	75,540	44,220	83,330	47,540	to	89,340
13-2021	Appraisers & Assessors of Real Estate	LT OJT	WIA	23.44	48,750	46,940	33,150	56,540	38,150	to	57,060
13-2031	Budget Analysts	BD	WIA	28.86	60,020	57,040	45,960	67,060	49,700	to	69,370
13-2041	Credit Analysts	BD	WIA	31.20	64,890	47,600	37,910	78,370	40,250	to	91,900
13-2051	Financial Analysts	BD	WIA	29.96	62,310	60,060	43,750	71,590	47,800	to	75,480
13-2052	Personal Financial Advisors	BD	WIA	54.91	114,210	80,420	44,720	148,950	50,270	to	170,190
13-2053	Insurance Underwriters	BD	MSA	35.40	73,630	69,850	45,110	87,880	50,420	to	96,660
13-2061	Financial Examiners	BD	WIA	55.86	116,180	117,860	82,810	132,870	102,460	to	133,400
13-2071	Credit Counselors	BD	MSA	19.18	39,900	37,900	31,600	44,050	32,910	to	45,690

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13-2072	Loan Officers	MT OJT	WIA	34.12	70,970	68,270	39,560	86,680	45,470	to	87,880
13-2081	Tax Examiners & Collectors & Revenue Agents	BD	WIA	18.85	39,210	25,910	20,990	48,310	21,580	to	53,190
13-2082	Tax Preparers	MT OJT	MSA	17.80	37,030	29,190	22,850	44,120	24,220	to	45,600
13-2099	Financial Specialists, Other	BD	WIA	30.22	62,860	58,520	45,230	71,680	48,580	to	74,120
15-0000	**Computer & Mathematical Occupations**	**#**	**CTY**	**28.01**	**58,270**	**57,290**	**35,450**	**69,680**	**41,720**	**to**	**72,620**
15-1111	Computer & Information Research Scientists	PhD	MSA	50.76	105,590	96,480	61,760	127,500	68,160	to	136,880
15-1121	Computer Systems Analysts	BD	WIA	35.30	73,420	69,530	50,770	84,740	56,530	to	87,190
15-1122	Information Security Analysts	TBD	WIA	34.81	72,400	71,320	56,020	80,590	62,190	to	84,610
15-1131	Computer Programmers	BD	CTY	30.52	63,480	66,410	43,350	73,550	47,170	to	76,080
15-1132	Software Developers, Applications	BD	WIA	41.72	86,790	84,910	58,670	100,850	66,440	to	105,910
15-1133	Software Developers, Systems Software	BD	WIA	41.96	87,290	84,700	59,910	100,970	67,920	to	106,840
15-1134	Web Developers	TBD	WIA	23.57	49,020	43,460	33,220	56,920	35,600	to	57,900
15-1141	Database Administrators	BD+	WIA	32.87	68,360	70,300	43,060	81,010	51,830	to	86,010
15-1142	Network & Computer Systems Administrators	BD	CTY	33.53	69,750	66,460	45,960	81,650	49,060	to	88,920
15-1143	Computer Network Architects	TBD	WIA	40.12	83,450	85,950	55,750	97,300	57,980	to	103,130
15-1151	Computer User Support Specialists	TBD	CTY	20.77	43,190	41,980	26,090	51,740	32,320	to	54,520

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15-1152	Computer Network Support Specialists	TBD	WIA	29.89	62,170	62,230	39,900	73,300	46,740	to	75,900
15-1199	Computer Occupations, Other	BD	WIA	39.64	82,440	83,400	59,560	93,890	65,290	to	96,160
15-2011	Actuaries	BD+	MSA	48.92	101,740	104,730	54,600	125,320	74,950	to	134,520
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	30.57	63,590	60,790	47,690	71,540	50,510	to	76,510
15-2041	Statisticians	MD	MSA	26.75	55,650	50,380	41,710	62,610	43,510	to	66,770
17-0000	**Architecture & Engineering Occupations**	**#**	**CTY**	**36.00**	**74,870**	**66,490**	**45,980**	**89,320**	**53,040**	**to**	**90,960**
17-1011	Architects	BD	WIA	40.90	85,080	76,180	55,380	99,920	61,590	to	93,740
17-1012	Landscape Architects	BD	MSA	25.06	52,120	48,720	39,460	58,450	41,680	to	59,650
17-1021	Cartographers & Photogrammetrists	BD	WIA	22.62	47,050	48,320	38,870	51,140	41,210	to	54,040
17-1022	Surveyors	BD	WIA	25.48	52,990	53,730	45,580	56,700	49,040	to	58,400
17-2011	Aerospace Engineers	BD	MSA	37.55	78,110	74,510	66,560	83,890	67,450	to	89,250
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	MSA	39.01	81,140	78,180	54,220	94,590	59,950	to	92,880
17-2041	Chemical Engineers	BD	WIA	33.71	70,110	65,180	44,200	83,060	46,650	to	82,210
17-2051	Civil Engineers	BD	WIA	38.66	80,400	70,940	53,480	93,870	57,380	to	89,810

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17-2061	Computer Hardware Engineers	BD	MSA	37.28	77,540	69,910	56,260	88,180	60,120	to	92,540
17-2071	Electrical Engineers	BD	WIA	41.23	85,760	83,770	61,590	97,850	67,420	to	100,610
17-2072	Electronics Engineers	BD	WIA	44.22	91,980	95,180	70,240	102,860	78,430	to	109,680
17-2081	Environmental Engineers	BD	WIA	37.12	77,210	74,200	58,570	86,540	63,840	to	94,770
17-2111	Health & Safety Engineers	BD	WIA	38.03	79,110	72,980	57,800	89,770	61,850	to	100,120
17-2112	Industrial Engineers	BD	CTY	39.09	81,320	83,700	51,380	96,280	57,310	to	103,430
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	39.00	81,110	82,970	59,320	92,010	65,130	to	95,930
17-2141	Mechanical Engineers	BD	CTY	42.49	88,380	73,720	65,910	99,610	66,710	to	126,870
17-2151	Mining & Geological Engineers	BD	WIA	38.14	79,340	80,680	56,380	90,810	63,050	to	96,230
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	50.71	105,480	103,740	67,060	124,690	78,900	to	119,400
17-2199	Engineers, Other	BD	WIA	63.29	131,640	131,940	73,020	160,950	83,140	to	158,040
17-3011	Architectural & Civil Drafters	AD	WIA	22.41	46,600	43,200	27,640	56,090	31,560	to	54,620
17-3012	Electrical & Electronics Drafters	AD	WIA	25.27	52,570	53,770	37,400	60,150	47,220	to	59,550
17-3013	Mechanical Drafters	AD	CTY	24.39	50,730	52,970	38,310	56,940	39,610	to	57,830

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17-3019	Drafters, Other	AD	MSA	20.41	42,460	40,200	29,130	49,120	30,720	to	49,170
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	31.28	65,050	51,700	35,980	79,590	40,060	to	101,640
17-3023	Electrical & Electronic Engineering Technicians	AD	WIA	23.34	48,540	48,990	32,350	56,630	35,490	to	57,140
17-3024	Electro-Mechanical Technicians	AD	MSA	21.16	44,020	44,520	30,560	50,750	33,020	to	52,370
17-3025	Environmental Engineering Technicians	AD	MSA	20.04	41,690	40,640	32,330	46,360	34,210	to	47,160
17-3026	Industrial Engineering Technicians	AD	WIA	23.96	49,830	46,160	36,290	56,600	38,680	to	60,460
17-3027	Mechanical Engineering Technicians	AD	WIA	27.05	56,270	55,170	40,080	64,370	44,440	to	67,410
17-3029	Engineering Technicians, Other	AD	WIA	33.86	70,430	67,810	43,070	84,120	53,020	to	78,570
17-3031	Surveying & Mapping Technicians	MT OJT	WIA	16.37	34,040	30,070	24,460	38,840	26,090	to	41,310
19-0000	**Life, Physical & Social Science Occupations**	**#**	**CTY**	**23.24**	**48,330**	**43,990**	**32,300**	**56,350**	**34,960**	**to**	**57,660**
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	MSA	37.90	78,840	82,200	50,950	92,780	57,260	to	95,540
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	MSA	36.79	76,530	82,020	45,310	92,140	53,490	to	98,780
19-1022	Microbiologists	BD	MSA	30.64	63,740	57,290	44,830	73,190	47,290	to	71,870

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19-1023	Zoologists & Wildlife Biologists	BD	MSA	23.68	49,250	48,670	37,730	55,010	41,910	to	56,520
19-1029	Biological Scientists, Other	PhD	MSA	30.44	63,320	60,470	47,290	71,330	52,520	to	74,120
19-1031	Conservation Scientists	BD	MSA	27.85	57,920	60,600	40,590	66,590	50,040	to	68,510
19-1032	Foresters	BD	MSA	26.30	54,700	54,820	53,760	55,170	51,520	to	58,050
19-1041	Epidemiologists	MD	MSA	33.42	69,520	68,700	65,250	71,650	64,840	to	74,270
19-1042	Medical Scientists	PhD	MSA	38.62	80,340	64,110	43,980	98,520	47,160	to	91,530
19-1099	Life Scientists, Other	BD	MSA	32.26	67,100	58,900	49,660	75,820	51,140	to	72,950
19-2012	Physicists	PhD	MSA	74.53	155,020	138,670	89,060	187,990	108,420	to	#
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	WIA	18.65	38,790	31,100	25,040	45,660	26,350	to	45,490
19-2032	Materials Scientists	BD	MSA	35.23	73,280	76,550	49,190	85,320	57,200	to	88,190
19-2041	Environmental Scientists & Specialists	BD	MSA	32.21	67,000	62,820	42,950	79,030	48,920	to	85,850
19-2042	Geoscientists	BD	WIA	48.62	101,130	101,810	56,120	123,630	62,200	to	129,240
19-2043	Hydrologists	MD	MSA	45.50	94,650	98,070	79,590	102,180	83,760	to	108,420
19-2099	Physical Scientists, Other	BD	MSA	50.19	104,390	104,960	77,040	118,070	88,900	to	120,730
19-3011	Economists	BD	MSA	48.59	101,070	91,950	70,550	116,330	81,060	to	124,860

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PENNSYLVANIA OCCUPATIONAL WAGES
ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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19-3022	Survey Researchers	BD	MSA	17.98	37,390	32,590	25,340	43,420	26,850	to	44,230
19-3031	Clinical, Counseling & School Psychologists	PhD	WIA	34.10	70,940	69,720	51,120	80,840	59,300	to	84,120
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	MSA	36.91	76,780	83,410	40,950	94,690	53,270	to	97,320
19-3041	Sociologists	MD	MSA	44.21	91,950	86,570	66,850	104,490	72,010	to	112,720
19-3051	Urban & Regional Planners	MD	WIA	22.65	47,110	46,190	30,960	55,180	33,160	to	61,140
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	MSA	29.69	61,750	62,900	38,450	73,400	38,530	to	67,290
19-3099	Social Scientists & Related Workers, Other	BD	MSA	35.35	73,530	72,720	56,590	81,990	62,410	to	84,180
19-4011	Agricultural & Food Science Technicians	AD	MSA	20.08	41,760	36,950	28,270	48,500	31,230	to	52,070
19-4021	Biological Technicians	BD	MSA	18.24	37,930	36,810	24,660	44,570	27,370	to	46,480
19-4031	Chemical Technicians	AD	WIA	17.46	36,310	35,260	28,870	40,030	31,330	to	39,460
19-4041	Geological & Petroleum Technicians	AD	WIA	25.29	52,600	46,750	38,710	59,540	40,970	to	59,090
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	MSA	18.43	38,340	36,070	30,740	42,140	32,220	to	43,640

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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19-4091	Environmental Science & Protection Technicians	AD	MSA	25.03	52,060	52,360	35,400	60,390	39,160	to	64,260
19-4093	Forest & Conservation Technicians	AD	MSA	22.21	46,190	48,330	33,080	52,740	40,860	to	54,530
19-4099	Life, Physical & Social Science Technicians, Other	AD	MSA	21.63	44,990	42,180	28,290	53,340	30,230	to	58,030
21-0000	**Community & Social Services Occupations**	**#**	**CTY**	**20.45**	**42,540**	**43,150**	**29,070**	**49,280**	**33,910**	**to**	**52,770**
21-1011	Substance Abuse & Behavioral Disorder Counselors	MT OJT	WIA	18.70	38,900	36,980	30,780	42,960	32,170	to	45,350
21-1012	Educational, Guidance, School & Vocational Counselors	MD	WIA	28.53	59,340	60,380	43,540	67,240	49,210	to	70,960
21-1013	Marriage & Family Therapists	MD	MSA	18.51	38,500	35,900	24,670	45,410	26,750	to	47,190
21-1014	Mental Health Counselors	MD	WIA	20.48	42,600	42,670	31,050	48,380	35,540	to	49,990
21-1015	Rehabilitation Counselors	MD	WIA	17.24	35,860	33,930	20,230	43,670	23,170	to	46,810
21-1019	Counselors, Other	MD	MSA	26.17	54,420	55,990	38,240	62,520	47,250	to	67,280
21-1021	Child, Family & School Social Workers	BD	WIA	15.73	32,720	32,700	20,140	39,020	24,320	to	41,570
21-1022	Healthcare Social Workers	MD	WIA	21.79	45,320	44,940	33,710	51,120	36,600	to	54,150
21-1023	Mental Health & Substance Abuse Social Workers	BD	WIA	13.81	28,730	27,240	21,830	32,180	23,640	to	30,430
21-1029	Social Workers, Other	BD	MSA	29.46	61,280	63,890	38,080	72,880	45,900	to	77,160
21-1091	Health Educators	BD	WIA	19.02	39,550	34,680	27,620	45,520	28,760	to	47,440
21-1092	Probation Officers & Correctional Treatment Specialists	BD	WIA	22.10	45,960	45,470	37,620	50,140	39,800	to	52,920

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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21-1093	Social & Human Service Assistants	ST OJT	CTY	13.00	27,040	28,470	18,290	31,410	19,030	to	33,430
21-1094	Community Health Workers	TBD	MSA	17.29	35,960	34,270	25,050	41,420	27,710	to	43,760
21-1099	Community & Social Service Specialists, Other	BD	WIA	21.02	43,710	46,290	25,180	52,980	23,840	to	56,560
21-2011	Clergy	BD	WIA	24.95	51,900	50,840	40,560	57,570	44,080	to	56,680
21-2021	Directors, Religious Activities & Education	BD+	MSA	18.65	38,800	28,070	19,360	48,520	21,210	to	51,480
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**	**22.50**	**46,790**	**37,160**	**29,860**	**55,260**	**33,010**	**to**	**46,090**
23-1011	Lawyers	PhD	WIA	69.97	145,530	117,460	66,320	185,130	78,060	to	#
23-1012	Judicial Law Clerks	PhD	WIA	18.88	39,270	41,750	31,630	43,090	36,010	to	45,020
23-1021	Administrative Law Judges, Adjudicators & Hearing Officers	BD+	MSA	44.97	93,540	86,200	60,850	109,880	68,490	to	108,410
23-1022	Arbitrators, Mediators & Conciliators	BD+	MSA	36.83	76,610	59,320	46,400	91,720	52,140	to	105,140
23-1023	Judges, Magistrate Judges & Magistrates	PhD	PA	29.07	60,470	59,000	42,230	69,590	46,250	to	69,730
23-2011	Paralegals & Legal Assistants	AD	WIA	27.61	57,430	60,470	41,090	65,600	47,440	to	68,280
23-2091	Court Reporters	ST OJT	MSA	15.59	32,420	29,090	21,120	38,060	23,790	to	37,000
23-2093	Title Examiners, Abstractors & Searchers	ST OJT	WIA	17.84	37,120	35,500	31,990	39,680	32,620	to	38,380
23-2099	Legal Support Workers, Other	ST OJT	WIA	21.36	44,430	45,250	34,050	49,610	39,550	to	46,710

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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25-0000	**Education, Training & Library Occupations**	**#**	**CTY**	**19.12**	**39,760**	**40,740**	**23,950**	**47,670**	**28,410**	**to**	**52,590**
25-1011	Business Teachers, Postsecondary	PhD	MSA	*	81,290	72,940	48,270	97,800	54,350	to	93,980
25-1021	Computer Science Teachers, Postsecondary	PhD	MSA	*	79,310	71,670	49,780	94,070	56,260	to	92,510
25-1022	Mathematical Science Teachers, Postsecondary	PhD	MSA	*	73,540	69,610	48,850	85,880	54,610	to	88,840
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	MSA	*	92,800	86,010	50,180	114,110	60,490	to	116,230
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	MSA	*	95,030	83,860	53,910	115,590	63,450	to	116,930
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	MSA	*	82,620	75,910	52,650	97,600	58,490	to	100,810
25-1052	Chemistry Teachers, Postsecondary	PhD	MSA	*	81,280	73,540	52,250	95,800	58,950	to	94,080
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	MSA	*	93,580	79,270	52,320	114,210	58,740	to	111,210
25-1061	Anthropology & Archeology Teachers, Postsecondary	PhD	PA	*	99,520	86,650	54,270	122,150	64,640	to	115,820
25-1062	Area, Ethnic & Cultural Studies Teachers, Postsecondary	PhD	MSA	*	80,110	73,740	48,650	95,840	56,460	to	91,950
25-1063	Economics Teachers, Postsecondary	PhD	MSA	*	92,130	84,660	59,940	108,220	67,570	to	107,160

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MAY 2012

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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	PA	*	107,150	84,330	55,360	133,040	63,660 to 121,370
25-1066	Psychology Teachers, Postsecondary	PhD	MSA	*	77,650	70,180	47,260	92,850	54,940 to 91,540
25-1067	Sociology Teachers, Postsecondary	PhD	MSA	*	79,000	73,620	54,360	91,320	60,620 to 92,850
25-1069	Social Sciences Teachers, Postsecondary, Other	PhD	MSA	*	85,090	82,000	58,050	98,610	63,370 to 101,190
25-1071	Health Specialties Teachers, Postsecondary	PhD	MSA	*	74,990	69,780	49,430	87,760	55,730 to 88,330
25-1072	Nursing Instructors & Teachers, Postsecondary	MD	MSA	*	67,230	67,120	49,590	76,060	56,500 to 75,980
25-1081	Education Teachers, Postsecondary	PhD	MSA	*	70,400	60,450	42,020	84,590	47,750 to 82,320
25-1082	Library Science Teachers, Postsecondary	PhD	MSA	*	84,540	72,270	54,320	99,660	61,610 to 123,930
25-1111	Criminal Justice & Law Enforcement Teachers, Postsecondary	PhD	MSA	*	65,000	64,140	43,390	75,800	46,770 to 78,050
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	MSA	*	82,040	70,740	45,080	100,520	51,630 to 95,920
25-1121	Art, Drama & Music Teachers, Postsecondary	PhD	MSA	*	68,690	62,000	45,470	80,300	49,580 to 82,110
25-1122	Communications Teachers, Postsecondary	PhD	MSA	*	72,280	66,890	44,360	86,240	51,830 to 89,090
25-1123	English Language & Literature Teachers, Postsecondary	PhD	MSA	*	76,630	67,980	46,620	91,640	52,310 to 90,590
25-1124	Foreign Language & Literature Teachers, Postsecondary	PhD	MSA	*	74,090	70,800	50,190	86,030	56,870 to 89,130

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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25-1125	History Teachers, Postsecondary	PhD	MSA	*	76,990	69,990	47,450	91,760	54,280	to	88,530
25-1126	Philosophy & Religion Teachers, Postsecondary	PhD	MSA	*	78,580	72,900	48,650	93,540	56,330	to	92,380
25-1191	Graduate Teaching Assistants	BD	MSA	*	40,310	40,510	29,550	45,680	34,040	to	45,840
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	MSA	*	69,120	64,670	42,480	82,440	47,900	to	87,320
25-1194	Vocational Education Teachers, Postsecondary	WK EXP	WIA	27.68	57,570	59,170	43,450	64,630	50,900	to	67,600
25-1199	Postsecondary Teachers, Other	PhD	PA	*	88,220	68,090	37,800	113,430	48,370	to	108,000
25-2011	Preschool Teachers	AD	WIA	13.01	27,070	25,270	21,570	29,810	22,240	to	28,840
25-2012	Kindergarten Teachers	BD	WIA	*	54,720	52,660	37,930	63,120	42,610	to	64,300
25-2021	Elementary School Teachers	BD	WIA	*	54,130	53,580	38,670	61,860	42,560	to	66,810
25-2022	Middle School Teachers	BD	WIA	*	57,630	59,690	42,540	65,180	49,690	to	69,500
25-2023	Career/Technical Education Teachers, Middle School	BD+	MSA	*	63,340	58,020	50,650	69,680	52,210	to	68,970
25-2031	Secondary School Teachers	BD	WIA	*	62,080	62,740	45,860	70,180	51,500	to	73,620
25-2032	Career/Technical Education Teachers, Secondary School	BD+	MSA	*	58,140	56,940	45,480	64,470	48,870	to	68,030
25-2051	Special Education Teachers, Preschool	BD	MSA	*	47,750	46,290	39,880	51,680	41,910	to	54,440
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	WIA	*	58,580	58,330	41,230	67,260	48,330	to	71,330

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25-2053	Special Education Teachers, Middle School	BD	WIA	*	54,360	54,660	42,430	60,320	46,500	to	61,920
25-2054	Special Education Teachers, Secondary School	BD	WIA	*	59,640	57,440	43,930	67,500	48,300	to	72,200
25-2059	Special Education Teachers, Other	BD	MSA	*	61,670	62,940	47,630	68,680	55,090	to	69,470
25-3011	Adult Basic & Secondary Education & Literacy Teachers & Instructors	BD	MSA	18.94	39,390	35,630	26,030	46,070	28,500	to	47,150
25-3021	Self-Enrichment Education Teachers	WK EXP	WIA	9.83	20,450	18,230	16,730	22,310	16,780	to	25,060
25-3098	Substitute Teachers	#	WIA	12.35	25,680	24,700	21,510	27,760	21,760	to	29,010
25-3099	Teachers & Instructors, Other	BD	MSA	*	30,490	26,290	18,700	36,380	20,890	to	30,740
25-4011	Archivists	BD	MSA	19.02	39,560	35,300	26,800	45,950	29,000	to	48,690
25-4012	Curators	MD	MSA	19.79	41,150	27,180	21,930	50,770	22,730	to	60,490
25-4013	Museum Technicians & Conservators	BD	MSA	15.15	31,510	28,030	25,860	34,340	25,800	to	31,480
25-4021	Librarians	MD	CTY	17.08	35,530	35,550	35,010	35,790	33,410	to	37,700
25-4031	Library Technicians	PS	WIA	13.17	27,380	24,670	19,570	31,290	20,970	to	34,240
25-9011	Audio-Visual & Multimedia Collections Specialists	BD+	MSA	21.02	43,710	44,440	32,450	49,340	36,310	to	51,740
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+	WIA	26.34	54,780	52,600	43,690	60,320	46,570	to	58,610
25-9041	Teacher Assistants	ST OJT	WIA	*	24,460	24,970	17,310	28,030	18,920	to	29,230

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25-9099	Education, Training & Library Workers, Other	BD	MSA	21.92	45,600	45,980	33,570	51,610	38,780	to	54,410
27-0000	**Arts, Design, Entertainment, Sports & Media Occupations**	**#**	**CTY**	**14.58**	**30,340**	**24,540**	**22,030**	**34,490**	**22,150**	**to**	**36,160**
27-1011	Art Directors	BD+	WIA	40.76	84,790	78,220	63,730	95,320	69,490	to	97,530
27-1012	Craft Artists	LT OJT	MSA	17.20	35,780	31,330	22,300	42,520	24,680	to	43,330
27-1013	Fine Artists	LT OJT	MSA	16.41	34,130	31,760	23,030	39,680	24,160	to	41,270
27-1014	Multimedia Artists & Animators	BD	MSA	26.75	55,650	50,220	38,660	64,140	41,780	to	63,110
27-1019	Artists & Related Workers, Other	LT OJT	MSA	31.08	64,650	62,400	43,680	75,140	48,370	to	79,490
27-1021	Commercial & Industrial Designers	BD	WIA	23.82	49,540	46,580	39,070	54,770	41,360	to	58,170
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	11.14	23,170	22,800	17,890	25,810	19,420	to	27,210
27-1024	Graphic Designers	BD	WIA	18.64	38,770	35,750	30,240	43,040	32,010	to	42,680
27-1025	Interior Designers	BD	WIA	19.69	40,960	36,340	28,730	47,080	31,550	to	49,680
27-1026	Merchandise Displayers & Window Trimmers	MT OJT	WIA	28.44	59,160	62,110	38,980	69,250	49,770	to	72,650
27-1027	Set & Exhibit Designers	BD	MSA	16.53	34,380	19,390	17,280	42,930	17,580	to	43,610
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	MSA	18.25	#	#	#	#	#	to	#

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27-2012	Producers & Directors	BD+	MSA	26.25	54,590	56,050	28,570	67,600	36,470	to	70,790
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	MSA	*	26,990	18,940	16,980	32,000	17,240	to	26,770
27-2023	Umpires, Referees & Other Sports Officials	LT OJT	MSA	*	21,240	18,650	16,700	23,520	16,950	to	22,400
27-2031	Dancers	LT OJT	MSA	14.12	#	#	#	#	#	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+	MSA	22.91	47,650	42,980	21,880	60,540	24,820	to	61,340
27-2042	Musicians & Singers	LT OJT	MSA	43.04	#	#	#	#	#	to	#
27-2099	Entertainers & Performers, Sports & Related Workers, Other	ST OJT	PA	21.34	#	#	#	#	#	to	#
27-3011	Radio & Television Announcers	BD	MSA	15.43	32,100	24,200	16,970	39,670	18,480	to	33,980
27-3012	Public Address System & Other Announcers	ST OJT	MSA	19.92	41,430	20,850	16,650	53,820	17,440	to	66,390
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	15.20	31,630	29,850	24,550	35,170	26,040	to	36,490
27-3031	Public Relations Specialists	BD	WIA	23.29	48,440	46,880	29,710	57,800	34,840	to	58,250
27-3041	Editors	BD+	WIA	24.90	51,790	46,890	36,620	59,380	40,270	to	60,720
27-3042	Technical Writers	BD+	WIA	29.90	62,190	59,810	45,560	70,500	48,990	to	73,620

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PENNSYLVANIA OCCUPATIONAL WAGES
ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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27-3043	Writers & Authors	BD	WIA	41.48	86,270	68,470	39,990	109,410	43,960	to	137,120
27-3091	Interpreters & Translators	BD	MSA	26.44	54,990	50,930	36,880	64,050	39,910	to	70,120
27-3099	Media & Communication Workers, Other	ST OJT	MSA	20.91	43,480	38,990	28,820	50,810	30,410	to	50,880
27-4011	Audio & Video Equipment Technicians	PS	MSA	20.23	42,090	38,240	25,000	50,630	27,580	to	52,120
27-4012	Broadcast Technicians	AD	MSA	17.10	35,570	35,110	24,160	41,270	27,120	to	42,010
27-4014	Sound Engineering Technicians	PS	MSA	30.30	63,020	63,350	37,970	75,550	44,290	to	74,770
27-4021	Photographers	LT OJT	WIA	13.67	28,440	27,500	19,990	32,670	22,690	to	33,040
27-4031	Camera Operators: TV, Video & Motion Picture	BD	MSA	18.33	38,130	36,360	31,020	41,680	32,720	to	40,860
27-4032	Film & Video Editors	BD+	MSA	23.80	49,510	46,190	35,390	56,580	39,370	to	57,300
27-4099	Media & Communication Equipment Workers, Other	MT OJT	WIA	28.34	58,940	58,510	32,040	72,400	35,600	to	77,930
29-0000	**Healthcare Practitioners & Technical Occupations**	**#**	**CTY**	**33.46**	**69,600**	**53,610**	**34,630**	**87,090**	**41,680**	**to**	**70,080**
29-1011	Chiropractors	PhD	MSA	33.88	70,460	72,070	35,340	88,020	30,110	to	93,180
29-1021	Dentists, General	PhD	WIA	35.30	73,420	79,040	44,200	88,030	45,860	to	89,090
29-1023	Orthodontists	PhD	PA	103.90	216,110	#	120,730	#	166,320	to	#
29-1029	Dentists, Other Specialists	PhD	MSA	75.39	156,810	162,520	102,920	183,750	120,010	to	180,780
29-1031	Dietitians & Nutritionists	BD	WIA	23.84	49,580	49,160	35,650	56,550	41,620	to	59,480

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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29-1041	Optometrists	PhD	MSA	47.97	99,770	98,720	51,530	123,890	66,860	to	127,470
29-1051	Pharmacists	PhD	WIA	51.56	107,250	108,490	94,940	113,410	100,450	to	117,780
29-1061	Anesthesiologists	PhD	PA	119.79	249,160	#	220,740	#	#	to	#
29-1062	Family & General Practitioners	PhD	MSA	99.49	206,950	#	114,340	#	144,280	to	#
29-1063	Internists, General	PhD	MSA	105.86	220,190	#	133,700	#	146,000	to	#
29-1064	Obstetricians & Gynecologists	PhD	PA	119.18	247,880	#	218,190	#	#	to	#
29-1065	Pediatricians, General	PhD	MSA	87.49	181,980	168,310	119,670	213,130	139,260	to	#
29-1066	Psychiatrists	PhD	WIA	113.29	235,650	#	#	#	184,470	to	#
29-1069	Physicians & Surgeons, Other	PhD	WIA	102.50	213,210	#	125,790	256,920	165,390	to	#
29-1071	Physician Assistants	MD	WIA	38.73	80,570	77,780	67,320	87,190	68,250	to	92,840
29-1081	Podiatrists	PhD	MSA	81.61	169,740	164,760	81,280	213,970	109,490	to	#
29-1122	Occupational Therapists	MD	WIA	31.43	65,370	66,500	52,680	71,720	57,370	to	73,420
29-1123	Physical Therapists	PhD	WIA	40.99	85,260	74,690	66,960	94,410	67,590	to	105,610
29-1124	Radiation Therapists	AD	MSA	34.46	71,680	65,010	54,410	80,320	56,030	to	80,160
29-1125	Recreational Therapists	BD	WIA	13.39	27,850	19,580	17,110	33,220	17,600	to	29,710
29-1126	Respiratory Therapists	AD	WIA	26.30	54,700	55,220	51,450	56,320	51,390	to	59,060

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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29-1127	Speech-Language Pathologists	MD	WIA	31.13	64,750	65,160	46,970	73,640	51,940	to	74,100
29-1128	Exercise Physiologists	MD	MSA	26.88	55,920	66,710	38,830	64,460	41,050	to	69,250
29-1129	Therapists, Other	BD	MSA	22.28	46,330	43,310	34,500	52,250	35,970	to	53,980
29-1131	Veterinarians	PhD	WIA	51.70	107,540	106,800	87,960	117,330	94,200	to	122,920
29-1141	Registered Nurses	TBD	CTY	27.46	57,110	56,810	50,780	60,280	52,050	to	61,560
29-1151	Nurse Anesthetists	TBD	PA	83.08	172,810	159,000	128,210	195,120	138,280	to	#
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	WIA	35.02	72,840	70,350	68,220	75,150	65,820	to	74,880
29-1181	Audiologists	PhD	MSA	24.60	51,170	52,910	43,960	54,770	48,990	to	56,800
29-1199	Health Diagnosing & Treating Practitioners, Other	MD	MSA	33.81	70,320	64,460	53,630	78,660	61,090	to	76,950
29-2011	Medical & Clinical Laboratory Technologists	BD	WIA	19.98	41,550	43,930	23,960	50,340	26,240	to	54,380
29-2012	Medical & Clinical Laboratory Technicians	AD	WIA	16.05	33,390	31,380	23,610	38,280	24,900	to	43,220
29-2021	Dental Hygienists	AD	WIA	25.14	52,290	53,120	48,910	53,980	49,320	to	56,860
29-2031	Cardiovascular Technologists & Technicians	AD	MSA	24.85	51,700	46,410	32,610	61,240	36,530	to	63,990
29-2032	Diagnostic Medical Sonographers	AD	WIA	25.27	52,570	53,180	45,290	56,210	47,780	to	58,150
29-2033	Nuclear Medicine Technologists	AD	MSA	26.61	55,360	55,180	44,350	60,860	47,320	to	63,600

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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29-2034	Radiologic Technologists	AD	WIA	21.43	44,580	45,320	33,220	50,260	37,570	to	53,400
29-2035	Magnetic Resonance Imaging Technologists	TBD	WIA	26.17	54,430	55,380	48,630	57,340	51,110	to	59,660
29-2041	Emergency Medical Technicians & Paramedics	PS	WIA	15.21	31,640	32,200	27,040	33,940	28,670	to	35,130
29-2051	Dietetic Technicians	MT OJT	MSA	14.12	29,360	29,020	19,490	34,290	22,350	to	35,620
29-2052	Pharmacy Technicians	MT OJT	WIA	12.99	27,010	24,880	19,670	30,680	21,070	to	32,480
29-2053	Psychiatric Technicians	PS	MSA	17.77	36,950	30,260	26,860	42,000	27,090	to	48,290
29-2054	Respiratory Therapy Technicians	AD	MSA	21.28	44,260	45,310	27,880	52,450	33,860	to	55,260
29-2055	Surgical Technologists	PS	WIA	18.12	37,700	37,060	31,830	40,630	32,970	to	42,890
29-2056	Veterinary Technologists & Technicians	AD	MSA	16.01	33,300	32,640	26,940	36,480	28,090	to	37,890
29-2057	Ophthalmic Medical Technicians	TBD	MSA	16.21	33,710	33,310	24,940	38,100	27,710	to	37,520
29-2061	Licensed Practical & Licensed Vocational Nurses	PS	CTY	16.71	34,760	35,140	32,880	35,700	32,820	to	37,450
29-2071	Medical Records & Health Information Technicians	PS	WIA	16.94	35,230	32,400	25,060	40,320	26,850	to	43,500
29-2081	Opticians, Dispensing	LT OJT	MSA	17.07	35,500	34,480	25,090	40,710	28,260	to	41,180
29-2091	Orthotists & Prosthetists	MD	MSA	33.93	70,570	53,190	31,800	89,950	35,190	to	84,250
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	19.16	39,860	41,340	32,980	43,290	36,300	to	44,970

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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29-9011	Occupational Health & Safety Specialists	BD	CTY	33.99	70,690	75,020	55,550	78,260	64,210	to	79,490
29-9012	Occupational Health & Safety Technicians	MT OJT	WIA	24.81	51,610	53,430	41,260	56,780	47,740	to	58,680
29-9091	Athletic Trainers	BD	WIA	*	36,740	38,190	29,520	40,360	31,020	to	42,630
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	MSA	27.34	56,860	51,500	38,800	65,890	42,670	to	61,210
31-0000	**Healthcare Support Occupations**	**#**	**CTY**	**11.48**	**23,870**	**23,420**	**17,050**	**27,280**	**18,400**	**to**	**28,580**
31-1011	Home Health Aides	ST OJT	WIA	8.99	18,700	18,470	16,930	19,580	16,970	to	20,440
31-1013	Psychiatric Aides	ST OJT	MSA	16.51	34,330	33,970	23,730	39,630	26,270	to	40,800
31-1014	Nursing Assistants	TBD	WIA	12.58	26,170	25,660	20,760	28,880	22,020	to	29,940
31-1015	Orderlies	TBD	WIA	11.83	24,610	25,020	20,750	26,540	21,930	to	28,010
31-2011	Occupational Therapy Assistants	AD	WIA	21.30	44,310	43,990	38,260	47,330	39,780	to	48,470
31-2012	Occupational Therapy Aides	ST OJT	MSA	17.09	35,540	32,330	26,590	40,010	27,240	to	43,740
31-2021	Physical Therapist Assistants	AD	WIA	16.77	34,890	30,540	27,280	38,700	27,480	to	43,120
31-2022	Physical Therapist Aides	MT OJT	WIA	12.65	26,310	26,580	22,430	28,250	23,840	to	28,880
31-9011	Massage Therapists	PS	MSA	14.03	29,190	23,450	16,660	35,450	17,620	to	34,390
31-9091	Dental Assistants	PS	WIA	12.82	26,660	25,430	22,100	28,940	22,430	to	30,680

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MAY 2012

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31-9092	Medical Assistants	MT OJT	CTY	13.40	27,870	27,450	25,020	29,300	25,320	to	29,570
31-9093	Medical Equipment Preparers	MT OJT	WIA	15.97	33,220	29,390	27,400	36,120	26,900	to	34,930
31-9094	Medical Transcriptionists	PS	WIA	15.08	31,370	30,740	26,130	33,990	26,980	to	35,730
31-9095	Pharmacy Aides	ST OJT	MSA	12.41	25,810	26,660	21,100	28,160	23,900	to	29,010
31-9096	Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	MSA	12.53	26,050	26,460	19,730	29,210	22,370	to	29,340
31-9097	Phlebotomists	TBD	MSA	13.88	28,870	28,730	24,090	31,260	25,360	to	33,080
31-9099	Healthcare Support Workers, Other	ST OJT	WIA	19.44	40,440	41,500	27,750	46,790	34,040	to	50,090
33-0000	**Protective Service Occupations**	**#**	**CTY**	**20.82**	**43,300**	**40,430**	**26,000**	**51,960**	**29,440**	**to**	**50,840**
33-1011	Supervisors - Correctional Officers	WK EXP	WIA	30.79	64,050	65,100	46,690	72,730	54,050	to	73,720
33-1012	Supervisors - Police & Detectives	WK EXP	CTY	24.75	51,490	46,580	43,420	55,520	42,780	to	53,850
33-1021	Supervisors - Fire Fighting & Prevention	PS+	MSA	35.32	73,470	72,920	55,030	82,690	61,520	to	87,560
33-1099	Supervisors - Protective Service Workers, Other	WK EXP	WIA	26.73	55,600	52,240	35,380	65,700	37,810	to	67,050
33-2011	Firefighters	PS	MSA	30.22	62,860	65,790	48,150	70,210	57,350	to	72,050
33-2021	Fire Inspectors & Investigators	WK EXP	MSA	21.05	43,790	43,630	30,840	50,260	34,640	to	52,220
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	21.07	43,830	42,550	32,460	49,510	36,340	to	52,060

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33-3021	Detectives & Criminal Investigators	WK EXP	WIA	34.80	72,380	72,480	51,540	82,810	58,530	to	79,490
33-3041	Parking Enforcement Workers	ST OJT	MSA	10.05	20,900	20,180	16,940	22,880	17,920	to	23,380
33-3051	Police & Sheriff's Patrol Officers	MT OJT	CTY	24.04	50,000	45,770	30,060	59,960	36,220	to	66,900
33-3052	Transit & Railroad Police	ST OJT	MSA	31.55	65,620	63,930	52,310	72,270	54,020	to	77,540
33-9011	Animal Control Workers	MT OJT	MSA	16.11	33,510	31,880	21,130	39,690	24,230	to	42,560
33-9021	Private Detectives & Investigators	PS+	MSA	23.30	48,460	44,300	34,420	55,490	36,660	to	58,370
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	WIA	10.64	22,140	19,500	16,760	24,830	17,440	to	24,950
33-9091	Crossing Guards	ST OJT	MSA	11.69	24,310	24,910	16,850	28,040	18,560	to	28,340
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	ST OJT	WIA	8.09	16,830	17,510	16,760	16,860	16,440	to	18,580
33-9093	Transportation Security Screeners	MT OJT	MSA	17.86	37,140	36,490	30,750	40,330	29,700	to	39,920
33-9099	Protective Service Workers, Other	ST OJT	CTY	17.91	37,260	34,020	28,320	41,730	29,930	to	42,840
35-0000	**Food Preparation & Serving Related Occupations**	**#**	**CTY**	**8.79**	**18,280**	**17,780**	**16,690**	**19,080**	**16,540**	**to**	**19,010**
35-1011	Chefs & Head Cooks	WK EXP	WIA	25.19	52,390	53,380	34,920	61,130	39,170	to	66,740
35-1012	Supervisors - Food Preparation & Serving Workers	WK EXP	WIA	15.14	31,500	30,780	22,890	35,800	25,440	to	37,390
35-2011	Cooks, Fast Food	ST OJT	MSA	8.81	18,330	18,040	16,760	19,110	16,700	to	19,390

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35-2012	Cooks, Institution & Cafeteria	ST OJT	CTY	8.75	18,200	18,060	17,010	18,790	16,790	to	19,320
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	WIA	12.14	25,240	23,580	17,580	29,070	19,060	to	32,220
35-2015	Cooks, Short Order	ST OJT	WIA	8.21	17,080	17,660	16,980	17,130	16,580	to	18,740
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	WIA	9.67	20,120	19,060	16,730	21,820	17,180	to	23,190
35-3011	Bartenders	ST OJT	WIA	10.30	21,420	21,120	16,750	23,760	18,080	to	24,090
35-3021	Combined Food Preparation & Serving Workers	ST OJT	WIA	8.57	17,820	17,840	16,720	18,370	16,570	to	19,100
35-3022	Counter Attendants, Cafeteria, Food Concession & Coffee Shop	ST OJT	WIA	9.26	19,260	18,370	16,530	20,620	16,750	to	22,070
35-3031	Waiters & Waitresses	ST OJT	WIA	9.31	19,360	18,690	16,800	20,640	17,030	to	21,490
35-3041	Food Servers, Nonrestaurant	ST OJT	WIA	8.70	18,090	18,080	16,780	18,750	16,720	to	19,460
35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	ST OJT	WIA	8.48	17,640	17,800	16,710	18,100	16,550	to	19,040
35-9021	Dishwashers	ST OJT	WIA	8.39	17,440	17,840	16,900	17,720	16,650	to	19,040
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	ST OJT	WIA	10.56	21,960	21,620	16,680	24,600	18,080	to	26,480
35-9099	Food Preparation & Serving Related Workers, Other	ST OJT	MSA	13.55	28,170	24,300	18,900	32,810	20,340	to	34,370
37-0000	**Building & Grounds Cleaning & Maintenance Occupations**	**#**	**CTY**	**9.79**	**20,360**	**18,800**	**16,940**	**22,080**	**17,140**	**to**	**23,500**

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PENNSYLVANIA OCCUPATIONAL WAGES
ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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37-1011	Supervisors - Housekeeping & Janitorial Workers	WK EXP	WIA	22.97	47,780	39,070	33,770	54,780	34,540	to	64,440
37-1012	Supervisors - Landscaping & Groundskeeping Workers	WK EXP	WIA	19.70	40,970	40,580	27,990	47,460	33,180	to	45,710
37-2011	Janitors & Cleaners	ST OJT	CTY	9.50	19,770	18,540	16,930	21,180	17,010	to	22,150
37-2012	Maids & Housekeeping Cleaners	ST OJT	WIA	10.52	21,880	21,870	18,090	23,780	19,540	to	24,260
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	MSA	16.74	34,830	31,690	23,880	40,300	26,370	to	44,670
37-3011	Landscaping & Groundskeeping Workers	ST OJT	WIA	11.65	24,230	21,600	16,780	27,950	18,240	to	28,190
37-3012	Pesticide Handlers, Sprayers & Applicators, Vegetation	MT OJT	MSA	16.71	34,760	34,600	27,770	38,260	29,400	to	40,150
37-3013	Tree Trimmers & Pruners	ST OJT	MSA	18.90	39,310	37,810	30,780	43,580	32,770	to	45,320
37-3019	Grounds Maintenance Workers, Other	ST OJT	MSA	23.75	49,400	51,350	40,840	53,690	41,340	to	57,290
39-0000	**Personal Care & Service Occupations**	**#**	**CTY**	**11.44**	**23,800**	**21,630**	**16,880**	**27,270**	**18,590**	**to**	**24,440**
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	WIA	19.94	41,470	39,950	28,140	48,130	31,840	to	46,620
39-2011	Animal Trainers	MT OJT	WIA	12.96	26,960	27,530	24,190	28,340	25,580	to	29,480
39-2021	Nonfarm Animal Caretakers	ST OJT	WIA	8.32	17,310	17,660	16,800	17,560	16,530	to	18,780

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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39-3012	Gaming & Sports Book Writers & Runners	ST OJT	MSA	11.14	23,160	22,640	21,110	24,190	21,040	to	24,250
39-3021	Motion Picture Projectionists	ST OJT	MSA	9.65	20,070	19,030	16,660	21,770	17,140	to	22,920
39-3031	Ushers, Lobby Attendants & Ticket Takers	ST OJT	WIA	8.11	16,860	17,390	16,650	16,970	16,320	to	18,460
39-3091	Amusement & Recreation Attendants	ST OJT	WIA	9.35	19,460	18,650	16,720	20,830	16,970	to	22,160
39-3092	Costume Attendants	ST OJT	MSA	17.18	35,720	37,580	25,420	40,880	30,020	to	43,040
39-3093	Locker Room, Coatroom & Dressing Room Attendants	ST OJT	MSA	10.03	20,860	20,020	16,730	22,920	17,570	to	24,020
39-4021	Funeral Attendants	ST OJT	MSA	12.11	25,190	25,040	19,070	28,250	20,800	to	29,670
39-4031	Morticians, Undertakers & Funeral Directors	TBD	WIA	15.14	31,500	30,780	27,080	33,700	27,210	to	34,920
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	WIA	10.61	22,080	21,100	17,060	24,590	18,410	to	24,790
39-5091	Makeup Artists, Theatrical & Performance	PS	MSA	21.03	43,740	42,670	25,360	52,930	23,600	to	47,570
39-5092	Manicurists & Pedicurists	PS	MSA	10.71	22,280	22,310	19,210	23,810	20,240	to	24,370
39-5093	Shampooers	ST OJT	MSA	7.95	16,540	17,220	16,530	16,550	16,180	to	18,270
39-5094	Skincare Specialists	PS	WIA	12.47	25,940	23,090	21,410	28,200	21,280	to	30,690
39-6011	Baggage Porters & Bellhops	ST OJT	MSA	9.58	19,930	18,570	16,730	21,530	16,930	to	22,600
39-6012	Concierges	MT OJT	MSA	12.58	26,170	25,580	19,170	29,670	21,050	to	31,660

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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39-7011	Tour Guides & Escorts	MT OJT	MSA	10.16	21,140	20,670	16,510	23,450	17,600	to	23,570
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	WIA	9.39	19,540	18,840	16,860	20,880	17,140	to	21,870
39-9021	Personal Care Aides	ST OJT	WIA	9.40	19,560	19,220	16,650	21,020	17,230	to	22,140
39-9031	Fitness Trainers & Aerobics Instructors	ST OJT	WIA	12.29	25,560	22,510	17,010	29,830	18,640	to	33,880
39-9032	Recreation Workers	BD	WIA	12.02	25,000	22,310	18,430	28,290	19,850	to	27,070
39-9041	Residential Advisors	PS	WIA	12.95	26,940	26,690	21,630	29,600	24,030	to	29,220
39-9099	Personal Care & Service Workers, Other	ST OJT	MSA	10.35	21,520	19,300	16,990	23,780	17,410	to	23,680
41-0000	**Sales & Related Occupations**	**#**	**CTY**	**14.53**	**30,220**	**21,430**	**16,930**	**36,870**	**17,870**	**to**	**35,270**
41-1011	Supervisors - Retail Sales Workers	WK EXP	CTY	21.09	43,880	42,730	25,370	53,130	28,360	to	55,640
41-1012	Supervisors - Non-Retail Sales Workers	WK EXP	CTY	54.07	112,460	120,410	33,720	151,840	41,010	to	144,820
41-2011	Cashiers	ST OJT	CTY	8.73	18,160	18,150	16,900	18,800	16,820	to	19,590
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	WIA	12.93	26,890	24,500	16,730	31,970	18,350	to	34,790
41-2022	Parts Salespersons	MT OJT	CTY	16.39	34,080	29,620	23,010	39,620	24,170	to	44,340
41-2031	Retail Salespersons	ST OJT	CTY	15.24	31,700	29,470	23,260	35,930	25,620	to	36,320

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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41-3011	Advertising Sales Agents	MT OJT	WIA	15.48	32,200	28,310	19,300	38,650	21,990	to	36,040
41-3021	Insurance Sales Agents	MT OJT	WIA	31.03	64,550	55,660	37,860	77,890	47,320	to	72,230
41-3031	Securities, Commodities & Financial Services Sales Agents	BD	WIA	36.39	75,700	80,750	34,420	96,340	43,380	to	107,350
41-3041	Travel Agents	MT OJT	MSA	17.57	36,550	35,880	26,540	41,550	29,260	to	43,710
41-3099	Sales Representatives, Other Services	ST OJT	WIA	32.26	67,100	59,890	28,990	86,150	36,820	to	95,000
41-4011	Sales Representatives, Technical & Scientific Products	BD	WIA	35.52	73,890	59,210	41,100	90,280	49,320	to	84,040
41-4012	Sales Representatives	MT OJT	CTY	28.75	59,810	52,290	33,820	72,800	38,520	to	71,880
41-9011	Demonstrators & Product Promoters	ST OJT	WIA	16.93	35,210	29,220	26,160	39,740	26,690	to	34,950
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	WIA	28.71	59,710	54,640	31,790	73,680	38,840	to	77,440
41-9031	Sales Engineers	BD	WIA	35.76	74,380	75,130	58,740	82,210	64,220	to	87,500
41-9041	Telemarketers	ST OJT	WIA	11.60	24,140	21,210	16,840	27,780	18,030	to	26,270
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	11.02	22,920	22,530	16,780	25,980	18,300	to	26,670
43-0000	**Office & Administrative Support Occupations**	**#**	**CTY**	**14.74**	**30,660**	**28,970**	**19,160**	**36,400**	**21,630**	**to**	**36,530**
43-1011	Supervisors - Office & Administrative Support Workers	WK EXP	CTY	24.98	51,960	49,330	35,630	60,130	38,840	to	62,010

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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43-2011	Switchboard Operators	ST OJT	WIA	13.23	27,510	26,460	17,150	32,690	18,820	to	32,620
43-2021	Telephone Operators	ST OJT	MSA	14.90	31,000	29,100	25,350	33,820	26,060	to	33,770
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	WIA	16.18	33,650	31,100	23,410	38,770	25,530	to	36,740
43-3021	Billing & Posting Clerks	ST OJT	CTY	16.50	34,310	32,710	25,780	38,570	27,710	to	38,140
43-3031	Bookkeeping, Accounting & Auditing Clerks	MT OJT	CTY	13.71	28,520	29,180	18,420	33,570	19,380	to	34,890
43-3041	Gaming Cage Workers	ST OJT	PA	13.46	27,990	27,580	20,780	31,600	22,950	to	32,750
43-3051	Payroll & Timekeeping Clerks	MT OJT	CTY	18.33	38,130	38,640	32,050	41,170	33,580	to	43,730
43-3061	Procurement Clerks	MT OJT	WIA	17.21	35,810	34,040	25,300	41,060	27,870	to	44,810
43-3071	Tellers	ST OJT	WIA	11.20	23,290	22,670	20,150	24,860	20,810	to	24,540
43-3099	Financial Clerks, Other	TBD	MSA	17.47	36,340	34,490	26,200	41,420	28,200	to	43,020
43-4011	Brokerage Clerks	MT OJT	MSA	21.17	44,030	43,390	30,760	50,670	33,230	to	54,410
43-4021	Correspondence Clerks	ST OJT	MSA	16.67	34,670	33,380	26,350	38,830	27,790	to	41,040
43-4031	Court, Municipal & License Clerks	MT OJT	WIA	16.45	34,210	34,400	31,490	35,580	32,030	to	36,830
43-4041	Credit Authorizers, Checkers & Clerks	ST OJT	WIA	13.06	27,170	26,910	22,740	29,380	23,860	to	29,560
43-4051	Customer Service Representatives	ST OJT	CTY	15.85	32,970	29,370	26,100	36,410	26,500	to	36,300

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43-4061	Eligibility Interviewers, Government Programs	AD	WIA	18.62	38,720	36,170	30,170	43,000	31,920	to	44,510
43-4071	File Clerks	ST OJT	CTY	11.69	24,310	22,440	17,190	27,870	18,710	to	31,280
43-4081	Hotel, Motel & Resort Desk Clerks	ST OJT	MSA	10.32	21,470	21,380	17,170	23,630	18,730	to	23,860
43-4111	Interviewers	ST OJT	WIA	16.38	34,060	31,310	26,680	37,760	27,530	to	40,150
43-4121	Library Assistants, Clerical	ST OJT	WIA	9.03	18,790	18,050	16,700	19,840	16,680	to	19,530
43-4131	Loan Interviewers & Clerks	ST OJT	WIA	14.45	30,070	28,050	18,640	35,780	20,960	to	40,120
43-4141	New Accounts Clerks	ST OJT	MSA	15.91	33,100	32,590	26,430	36,430	28,030	to	37,420
43-4151	Order Clerks	ST OJT	WIA	12.93	26,890	25,120	17,410	31,630	18,860	to	34,000
43-4161	Human Resources Assistants	ST OJT	CTY	15.72	32,700	32,960	27,390	35,350	28,650	to	36,510
43-4171	Receptionists & Information Clerks	ST OJT	CTY	12.76	26,540	27,200	21,780	28,920	23,890	to	29,840
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	ST OJT	MSA	17.29	35,960	39,810	22,730	42,580	25,480	to	45,330
43-4199	Information & Record Clerks, Other	ST OJT	WIA	17.62	36,660	36,180	26,820	41,580	29,330	to	43,500
43-5011	Cargo & Freight Agents	ST OJT	WIA	18.93	39,380	41,320	26,740	45,690	32,900	to	47,130
43-5021	Couriers & Messengers	ST OJT	WIA	10.62	22,100	22,100	16,900	24,700	18,470	to	25,980
43-5031	Police, Fire & Ambulance Dispatchers	MT OJT	WIA	17.48	36,360	35,990	28,490	40,290	30,680	to	42,300
43-5032	Dispatchers	MT OJT	WIA	16.10	33,490	33,250	21,840	39,320	25,900	to	40,880

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43-5041	Meter Readers, Utilities	ST OJT	WIA	15.65	32,550	35,520	16,490	40,570	17,690	to	44,610
43-5051	Postal Service Clerks	ST OJT	CTY	23.56	49,010	53,380	38,030	54,500	53,080	to	55,230
43-5052	Postal Service Mail Carriers	ST OJT	CTY	23.13	48,110	48,720	38,230	53,050	40,470	to	56,300
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	ST OJT	WIA	15.81	32,890	29,640	20,770	38,950	21,700	to	43,570
43-5061	Production, Planning & Expediting Clerks	MT OJT	CTY	19.94	41,470	42,270	28,120	48,140	31,520	to	51,430
43-5071	Shipping, Receiving & Traffic Clerks	ST OJT	CTY	14.41	29,970	29,240	25,850	32,030	26,560	to	33,520
43-5081	Stock Clerks & Order Fillers	ST OJT	CTY	10.19	21,200	18,640	17,150	23,220	17,150	to	21,840
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	ST OJT	WIA	14.08	29,290	28,470	23,230	32,310	24,270	to	33,960
43-6011	Executive Secretaries & Executive Administrative Assistants	WK EXP	CTY	22.15	46,080	48,990	34,140	52,050	37,840	to	55,130
43-6012	Legal Secretaries	MT OJT	WIA	21.22	44,140	44,370	33,700	49,360	35,810	to	53,090
43-6013	Medical Secretaries	MT OJT	WIA	14.40	29,950	29,510	21,640	34,110	23,430	to	35,410
43-6014	Secretaries	ST OJT	CTY	13.23	27,520	26,600	18,320	32,110	20,180	to	34,120
43-9011	Computer Operators	MT OJT	WIA	19.47	40,510	41,540	28,380	46,570	30,950	to	46,880
43-9021	Data Entry Keyers	MT OJT	WIA	12.28	25,540	25,310	19,000	28,810	20,810	to	29,130
43-9022	Word Processors & Typists	ST OJT	CTY	12.62	26,250	22,590	19,660	29,540	20,350	to	33,050
43-9031	Desktop Publishers	AD	MSA	16.79	34,920	33,340	19,490	42,630	20,750	to	44,020

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43-9041	Insurance Claims & Policy Processing Clerks	MT OJT	WIA	15.71	32,680	30,690	26,970	35,540	27,310	to	36,980
43-9051	Mail Clerks & Mail Machine Operators	ST OJT	WIA	13.11	27,270	26,190	20,550	30,630	21,980	to	32,880
43-9061	Office Clerks, General	ST OJT	CTY	12.52	26,040	24,010	17,350	30,390	18,920	to	31,790
43-9071	Office Machine Operators	ST OJT	WIA	12.78	26,580	26,260	21,300	29,230	23,040	to	29,320
43-9081	Proofreaders & Copy Markers	BD	MSA	15.56	32,360	28,890	21,900	37,590	23,520	to	40,790
43-9111	Statistical Assistants	BD	WIA	19.68	40,940	38,400	33,920	44,450	33,940	to	45,030
43-9199	Office & Administrative Support Workers, Other	ST OJT	WIA	19.79	41,170	40,860	29,150	47,190	33,470	to	45,260
45-0000	**Farming, Fishing & Forestry Occupations**	**#**	**WIA**	**15.61**	**32,470**	**28,210**	**17,480**	**39,960**	**19,030**	**to**	**45,620**
45-1011	Farm & Forestry Worker Supervisors	WK EXP	WIA	23.71	49,310	47,880	38,300	54,820	42,170	to	61,950
45-2011	Agricultural Inspectors	BD	MSA	25.06	52,120	51,130	39,430	58,470	42,640	to	62,360
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	MSA	11.05	22,980	23,180	17,980	25,480	19,500	to	27,000
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	ST OJT	WIA	10.44	21,720	18,900	16,590	24,280	17,060	to	25,040
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
ARMSTRONG 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	MSA	15.43	32,100	32,830	25,680	35,310	28,660	to	36,250
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	MSA	18.52	38,520	35,970	31,100	42,230	32,160	to	42,290
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**	**17.82**	**37,070**	**35,300**	**26,210**	**42,500**	**30,360**	**to**	**42,040**
47-1011	Supervisors - Construction Trades & Extraction Workers	WK EXP	CTY	27.51	57,230	52,020	41,260	65,210	43,640	to	70,140
47-2011	Boilermakers	LT OJT	MSA	26.71	55,560	56,270	41,110	62,790	45,270	to	67,120
47-2021	Brickmasons & Blockmasons	LT OJT	WIA	22.45	46,690	46,500	38,340	50,860	40,320	to	53,780
47-2022	Stonemasons	LT OJT	MSA	19.87	41,340	36,800	31,740	46,130	32,880	to	50,470
47-2031	Carpenters	LT OJT	WIA	20.35	42,320	39,420	32,580	47,190	34,090	to	49,960
47-2041	Carpet Installers	ST OJT	WIA	16.67	34,670	33,990	23,550	40,240	28,840	to	41,040
47-2042	Floor Layers	MT OJT	MSA	16.72	34,770	32,170	25,730	39,290	27,100	to	42,900
47-2043	Floor Sanders & Finishers	MT OJT	PA	16.57	34,470	33,990	26,690	38,370	28,970	to	38,850
47-2044	Tile & Marble Setters	LT OJT	WIA	19.26	40,060	35,320	25,910	47,130	28,380	to	45,540
47-2051	Cement Masons & Concrete Finishers	MT OJT	WIA	18.62	38,730	39,630	22,630	46,780	23,740	to	48,290

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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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	16.16	33,610	32,710	25,760	37,540	27,880	to	36,740
47-2071	Paving, Surfacing & Tamping Equipment Operators	MT OJT	WIA	20.88	43,430	47,500	29,370	50,470	34,260	to	53,680
47-2072	Pile-Driver Operators	MT OJT	MSA	29.49	61,330	61,880	44,320	69,840	46,720	to	71,500
47-2073	Operating Engineers & Other Construction Equipment Operators	MT OJT	CTY	17.67	36,760	37,110	30,210	40,040	32,340	to	41,930
47-2081	Drywall & Ceiling Tile Installers	MT OJT	MSA	25.35	52,730	48,630	33,530	62,330	38,810	to	60,300
47-2082	Tapers	MT OJT	MSA	22.21	46,200	48,550	33,100	52,760	36,950	to	54,820
47-2111	Electricians	LT OJT	WIA	23.10	48,050	46,190	37,660	53,250	40,480	to	54,840
47-2121	Glaziers	LT OJT	MSA	20.12	41,850	36,900	30,270	47,640	31,900	to	46,400
47-2131	Insulation Workers, Floor, Ceiling & Wall	ST OJT	PA	20.04	41,680	35,040	28,830	48,100	31,550	to	39,360
47-2132	Insulation Workers, Mechanical	LT OJT	MSA	33.03	68,700	68,630	54,190	75,950	57,460	to	81,390
47-2141	Painters, Construction & Maintenance	MT OJT	WIA	13.20	27,450	26,000	21,550	30,410	22,830	to	28,960
47-2142	Paperhangers	MT OJT	MSA	21.54	44,800	51,000	27,100	53,660	30,330	to	55,900
47-2151	Pipelayers	ST OJT	MSA	22.81	47,440	45,800	31,940	55,190	36,040	to	60,100
47-2152	Plumbers, Pipefitters & Steamfitters	LT OJT	WIA	27.34	56,880	62,020	36,980	66,830	42,620	to	70,370
47-2161	Plasterers & Stucco Masons	LT OJT	MSA	20.39	42,410	38,500	34,610	46,320	34,740	to	51,750

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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47-2171	Reinforcing Iron & Rebar Workers	LT OJT	MSA	29.49	61,350	65,680	44,730	69,650	46,820	to	71,900
47-2181	Roofers	MT OJT	MSA	18.10	37,640	37,740	28,460	42,240	30,750	to	44,390
47-2211	Sheet Metal Workers	LT OJT	MSA	24.67	51,320	55,390	31,180	61,390	36,240	to	66,960
47-2221	Structural Iron & Steel Workers	LT OJT	WIA	20.23	42,080	37,000	33,570	46,340	33,540	to	46,280
47-2231	Solar Photovoltaic Installers	TBD	PA	16.86	35,070	34,320	27,220	38,990	28,260	to	42,480
47-3011	Helpers--Brick, Block & Stonemasons & Tile & Marble Setters	ST OJT	WIA	12.71	26,440	21,740	17,000	31,160	18,470	to	40,160
47-3012	Helpers--Carpenters	ST OJT	WIA	13.71	28,520	28,340	23,900	30,830	24,810	to	32,610
47-3013	Helpers--Electricians	ST OJT	MSA	12.90	26,830	24,820	21,480	29,500	21,770	to	31,550
47-3014	Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	ST OJT	PA	11.88	24,710	24,840	20,670	26,730	21,680	to	27,810
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters & Steamfitters	ST OJT	MSA	15.60	32,450	33,230	24,730	36,310	28,240	to	36,880
47-3016	Helpers--Roofers	ST OJT	PA	12.59	26,180	25,220	18,620	29,960	20,440	to	31,320
47-3019	Helpers, Construction Trades, Other	ST OJT	MSA	14.58	30,320	28,530	28,460	31,250	28,520	to	31,610
47-4011	Construction & Building Inspectors	WK EXP	WIA	24.11	50,150	50,420	38,660	55,890	41,120	to	57,160
47-4021	Elevator Installers & Repairers	LT OJT	MSA	27.21	56,600	50,080	34,070	67,870	40,130	to	75,500
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	WIA	19.22	39,980	36,930	29,340	45,300	31,940	to	51,460

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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47-4051	Highway Maintenance Workers	MT OJT	CTY	11.68	24,300	22,320	20,590	26,160	20,720	to	23,940
47-4061	Rail-Track Laying & Maintenance Equipment Operators	MT OJT	MSA	17.71	36,850	35,500	28,960	40,790	31,840	to	41,420
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	MT OJT	MSA	19.93	41,450	35,920	27,270	48,540	28,740	to	54,540
47-4099	Construction & Related Workers, Other	MT OJT	MSA	19.28	40,110	29,510	27,270	46,530	26,960	to	63,780
47-5011	Derrick Operators, Oil & Gas	ST OJT	WIA	20.75	43,170	38,230	33,680	47,910	34,180	to	53,460
47-5012	Rotary Drill Operators, Oil & Gas	MT OJT	WIA	18.95	39,410	37,360	30,720	43,750	32,220	to	43,900
47-5013	Service Unit Operators, Oil, Gas & Mining	MT OJT	WIA	18.76	39,020	35,040	29,220	43,920	30,910	to	40,730
47-5021	Earth Drillers	MT OJT	MSA	20.97	43,610	41,800	32,860	48,980	35,860	to	46,970
47-5031	Explosives Workers, Ordnance Handling Experts & Blasters	MT OJT	MSA	21.31	44,320	40,170	34,400	49,280	35,290	to	50,700
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	MSA	17.23	35,840	32,920	27,360	40,090	28,730	to	37,000
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	CTY	16.64	34,620	34,200	24,230	39,810	26,910	to	40,420
47-5081	Helpers--Extraction Workers	ST OJT	MSA	13.42	27,900	27,970	25,060	29,320	25,800	to	30,140

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ARMSTRONG 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**	**15.96**	**33,190**	**31,880**	**19,890**	**39,840**	**22,670**	**to**	**40,090**
49-1011	Supervisors - Mechanics, Installers & Repairers	WK EXP	CTY	25.21	52,440	46,840	43,260	57,030	42,920	to	63,930
49-2011	Computer, Automated Teller & Office Machine Repairers	PS	WIA	11.96	24,880	22,540	21,300	26,670	20,900	to	26,010
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	17.62	36,640	39,290	23,730	43,090	25,910	to	44,260
49-2091	Avionics Technicians	PS	MSA	30.40	63,230	65,150	42,390	73,640	48,840	to	78,820
49-2092	Electric Motor, Power Tool & Related Repairers	PS	WIA	17.88	37,180	37,370	26,920	42,320	30,530	to	43,410
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equipment	PS	MSA	17.37	36,120	35,100	33,290	37,540	32,640	to	37,560
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	PS	WIA	23.05	47,950	45,610	29,680	57,080	32,480	to	60,260
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	PS	WIA	31.64	65,820	67,470	52,620	72,420	58,840	to	74,330
49-2096	Electronic Equipment Installers & Repairers, Motor Vehicles	PS	MSA	12.08	25,130	23,600	20,460	27,460	21,210	to	29,400
49-2097	Electronic Home Entertainment Equipment Installers & Repairers	PS	MSA	20.04	41,680	43,280	32,780	46,120	39,290	to	47,270
49-2098	Security & Fire Alarm Systems Installers	MT OJT	WIA	21.65	45,040	44,800	30,360	52,370	34,410	to	55,600
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	WIA	20.86	43,380	44,020	24,420	52,860	28,680	to	56,080

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MAY 2012

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49-3022	Automotive Glass Installers & Repairers	MT OJT	MSA	13.37	27,820	26,110	21,740	30,860	22,270	to	32,270
49-3023	Automotive Service Technicians & Mechanics	LT OJT	CTY	12.46	25,910	25,120	16,710	30,510	18,290	to	31,990
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	LT OJT	CTY	16.97	35,300	33,050	27,550	39,180	28,480	to	38,350
49-3041	Farm Equipment Mechanics & Service Technicians	LT OJT	WIA	16.56	34,450	35,070	26,520	38,420	30,190	to	39,480
49-3042	Mobile Heavy Equipment Mechanics	LT OJT	CTY	22.86	47,550	49,390	38,600	52,030	41,210	to	55,080
49-3043	Rail Car Repairers	LT OJT	MSA	17.29	35,960	35,990	27,730	40,080	31,280	to	41,770
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	15.95	33,170	33,440	24,150	37,680	26,750	to	40,230
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	MT OJT	MSA	13.27	27,600	23,560	20,540	31,130	21,150	to	33,340
49-3091	Bicycle Repairers	MT OJT	MSA	10.85	22,560	22,440	18,060	24,810	19,600	to	26,360
49-3092	Recreational Vehicle Service Technicians	LT OJT	PA	17.09	35,540	35,130	26,560	40,030	29,490	to	40,840
49-3093	Tire Repairers & Changers	MT OJT	WIA	10.89	22,660	21,860	17,750	25,110	19,270	to	25,740
49-9011	Mechanical Door Repairers	MT OJT	MSA	15.15	31,510	33,520	20,740	36,900	23,490	to	37,350
49-9012	Control & Valve Installers & Repairers	MT OJT	WIA	20.89	43,460	42,350	25,600	52,390	28,780	to	57,590
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	PS	WIA	16.15	33,590	32,870	23,270	38,750	24,390	to	38,830
49-9031	Home Appliance Repairers	MT OJT	WIA	17.20	35,780	35,530	26,040	40,660	27,880	to	43,460

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49-9041	Industrial Machinery Mechanics	LT OJT	CTY	18.98	39,480	37,980	34,610	41,920	34,440	to	44,190
49-9043	Maintenance Workers, Machinery	MT OJT	CTY	13.16	27,380	27,560	25,040	28,550	25,410	to	29,700
49-9044	Millwrights	LT OJT	WIA	27.38	56,960	56,460	48,370	61,250	50,370	to	64,940
49-9045	Refractory Materials Repairers	PS	WIA	15.92	33,110	33,640	30,750	34,300	31,250	to	36,030
49-9051	Electrical Power-Line Installers & Repairers	LT OJT	MSA	32.34	67,270	67,910	54,580	73,620	59,540	to	75,790
49-9052	Telecommunications Line Installers & Repairers	LT OJT	MSA	26.08	54,240	61,940	31,330	65,690	38,900	to	69,760
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	20.98	43,640	42,620	29,980	50,470	33,100	to	52,720
49-9063	Musical Instrument Repairers & Tuners	PS	MSA	17.44	36,270	39,450	25,340	41,730	28,400	to	43,880
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	MSA	24.22	50,370	51,320	34,650	58,230	39,660	to	57,170
49-9071	Maintenance & Repair Workers, General	MT OJT	CTY	15.47	32,180	24,210	16,730	39,900	17,660	to	46,540
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	ST OJT	MSA	15.82	32,910	33,240	23,480	37,620	26,390	to	39,700
49-9094	Locksmiths & Safe Repairers	LT OJT	WIA	17.33	36,040	24,690	19,610	44,260	21,080	to	52,950
49-9095	Manufactured Building & Mobile Home Installers	MT OJT	MSA	14.59	30,350	32,490	22,350	34,350	22,840	to	36,810
49-9096	Riggers	ST OJT	MSA	32.15	66,870	64,600	48,250	76,180	51,180	to	84,520

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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	WIA	11.15	23,200	22,290	16,680	26,460	17,820	to	28,380
49-9099	Installation, Maintenance & Repair Workers, Other	MT OJT	MSA	18.42	38,320	35,740	24,800	45,070	27,420	to	50,590
51-0000	**Production Occupations**	**#**	**CTY**	**17.76**	**36,930**	**33,440**	**20,900**	**44,940**	**24,130**	**to**	**46,400**
51-1011	Supervisors - Production & Operating Workers	PS	CTY	31.94	66,440	64,720	46,110	76,600	50,210	to	80,560
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	18.83	39,160	35,490	24,630	46,420	29,750	to	47,070
51-2022	Electrical & Electronic Equipment Assemblers	ST OJT	CTY	16.98	35,310	33,940	27,760	39,090	28,870	to	41,170
51-2023	Electromechanical Equipment Assemblers	ST OJT	WIA	17.17	35,720	34,670	23,020	42,070	26,090	to	45,160
51-2031	Engine & Other Machine Assemblers	ST OJT	MSA	17.16	35,690	35,780	27,160	39,960	29,790	to	42,170
51-2041	Structural Metal Fabricators & Fitters	MT OJT	WIA	16.33	33,970	32,970	26,620	37,650	28,650	to	37,890
51-2091	Fiberglass Laminators & Fabricators	MT OJT	MSA	13.87	28,860	27,650	24,600	30,990	25,210	to	30,080
51-2092	Team Assemblers	MT OJT	CTY	12.43	25,840	24,920	17,470	30,030	19,090	to	29,860
51-2099	Assemblers & Fabricators, Other	MT OJT	WIA	10.67	22,200	21,750	17,090	24,750	18,690	to	25,680
51-3011	Bakers	LT OJT	WIA	11.06	23,010	22,700	18,260	25,380	19,720	to	26,450
51-3021	Butchers & Meat Cutters	LT OJT	WIA	13.56	28,200	28,440	18,800	32,900	21,040	to	34,870

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PENNSYLVANIA OCCUPATIONAL WAGES
ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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51-3022	Meat, Poultry & Fish Cutters & Trimmers	ST OJT	MSA	10.40	21,620	20,430	16,870	24,000	17,720	to	24,730
51-3023	Slaughterers & Meat Packers	MT OJT	MSA	13.43	27,940	25,520	18,990	32,420	20,710	to	35,570
51-3091	Food & Tobacco Roasting, Baking & Drying Machine Operators & Tenders	MT OJT	MSA	12.49	25,970	24,410	19,590	29,170	21,020	to	30,930
51-3092	Food Batchmakers	ST OJT	MSA	13.59	28,260	26,430	18,960	32,910	20,840	to	32,700
51-3093	Food Cooking Machine Operators & Tenders	ST OJT	MSA	16.92	35,180	39,300	24,140	40,710	26,350	to	44,010
51-3099	Food Processing Workers, Other	ST OJT	MSA	11.53	23,990	23,760	20,080	25,940	21,090	to	27,330
51-4011	Computer-Controlled Machine Tool Operators, Metal & Plastic	MT OJT	WIA	16.96	35,280	35,690	26,950	39,450	29,940	to	41,740
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	MT OJT	WIA	24.69	51,360	48,290	40,600	56,740	42,450	to	61,850
51-4021	Extruding & Drawing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	17.80	37,030	37,300	25,440	42,820	28,450	to	45,160
51-4022	Forging Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	17.77	36,970	37,260	29,720	40,590	32,130	to	43,080
51-4023	Rolling Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	MSA	20.10	41,810	41,490	31,480	46,970	34,300	to	50,050
51-4031	Cutting, Punching & Press Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	15.12	31,450	30,860	25,980	34,190	27,060	to	35,580
51-4032	Drilling & Boring Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	15.71	32,670	32,820	27,520	35,240	29,040	to	36,120
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	16.99	35,340	34,420	30,190	37,910	31,230	to	37,610
51-4034	Lathe & Turning Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	20.54	42,730	43,660	41,060	43,560	41,130	to	46,200
51-4035	Milling & Planing Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	16.77	34,880	39,840	22,100	41,270	23,310	to	44,330

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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51-4041	Machinists	LT OJT	CTY	21.25	44,210	44,130	35,000	48,810	37,620	to	51,670
51-4051	Metal-Refining Furnace Operators & Tenders	MT OJT	WIA	18.79	39,080	36,430	31,120	43,060	32,060	to	45,410
51-4052	Pourers & Casters, Metal	MT OJT	MSA	16.67	34,670	33,500	24,870	39,560	26,680	to	42,400
51-4061	Model Makers, Metal & Plastic	LT OJT	MSA	20.84	43,350	43,680	36,380	46,840	39,880	to	47,490
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	19.66	40,890	42,670	29,700	46,480	33,930	to	47,380
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	17.39	36,180	33,430	26,890	40,820	28,570	to	41,950
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	15.85	32,970	32,670	25,790	36,560	27,730	to	37,690
51-4111	Tool & Die Makers	LT OJT	WIA	20.86	43,400	42,580	35,960	47,120	38,960	to	46,200
51-4121	Welders, Cutters, Solderers & Brazers	MT OJT	CTY	22.62	47,060	49,400	37,130	52,020	40,300	to	54,600
51-4122	Welding, Soldering & Brazing Machine Setters, Operators & Tenders	MT OJT	WIA	16.24	33,780	33,820	25,070	38,130	27,260	to	40,760
51-4191	Heat Treating Equipment Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	17.36	36,110	35,650	32,090	38,110	32,680	to	38,690
51-4192	Layout Workers, Metal & Plastic	MT OJT	MSA	20.91	43,490	42,530	34,330	48,080	38,060	to	46,900
51-4193	Plating & Coating Machine Setters, Operators & Tenders, Metal & Plastic	MT OJT	WIA	22.16	46,100	39,630	30,520	53,890	32,740	to	63,310
51-4194	Tool Grinders, Filers & Sharpeners	MT OJT	MSA	17.15	35,660	34,780	27,900	39,540	29,640	to	40,470
51-4199	Metal Workers & Plastic Workers, Other	MT OJT	MSA	16.63	34,600	31,310	25,860	38,960	27,150	to	37,710

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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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51-5111	Prepress Technician & Workers	PS	WIA	14.32	29,790	28,640	23,340	33,020	24,840	to	34,290
51-5112	Printing Press Operators	MT OJT	WIA	16.77	34,880	34,330	26,160	39,240	29,380	to	38,680
51-5113	Print Binding & Finishing Workers	ST OJT	WIA	13.98	29,080	28,430	23,900	31,670	25,180	to	32,570
51-6011	Laundry & Dry-Cleaning Workers	ST OJT	WIA	10.83	22,520	22,360	17,940	24,820	19,420	to	25,670
51-6021	Pressers: Textile, Garment & Related Materials	ST OJT	MSA	9.80	20,390	19,970	16,750	22,200	17,550	to	22,990
51-6031	Sewing Machine Operators	ST OJT	WIA	11.65	24,240	23,350	21,460	25,630	21,390	to	26,920
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	MSA	11.77	24,470	22,310	18,660	27,380	19,990	to	26,110
51-6061	Textile Bleaching & Dyeing Machine Operators & Tenders	ST OJT	MSA	11.57	24,060	21,780	16,820	27,690	18,410	to	28,780
51-6062	Textile Cutting Machine Setters, Operators & Tenders	MT OJT	MSA	13.44	27,960	24,490	22,130	30,870	22,150	to	34,110
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	MSA	14.00	29,130	27,090	21,600	32,890	23,180	to	31,460
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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ARMSTRONG COUNTY LABOR MARKET AREA

MAY 2012

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51-6093	Upholsterers	MT OJT	MSA	16.17	33,630	33,090	18,890	41,000	20,700	to	47,820
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	MSA	16.82	34,980	34,930	27,710	38,610	31,100	to	38,920
51-7021	Furniture Finishers	ST OJT	MSA	14.87	30,940	29,930	24,640	34,090	26,090	to	36,040
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	MSA	14.72	30,610	29,690	20,560	35,640	23,020	to	36,770
51-7042	Woodworking Machine Setters, Operators & Tenders	ST OJT	MSA	13.67	28,430	27,710	21,700	31,800	23,320	to	32,080
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	32.39	67,360	69,320	50,860	75,610	57,930	to	77,860
51-8013	Power Plant Operators	LT OJT	WIA	27.98	58,190	57,540	51,040	61,770	52,670	to	64,050
51-8021	Stationary Engineers & Boiler Operators	LT OJT	MSA	21.74	45,220	44,200	41,580	47,050	40,980	to	47,390
51-8031	Water & Wastewater Treatment Plant & System Operators	LT OJT	WIA	20.64	42,930	43,570	28,370	50,210	35,300	to	52,360
51-8091	Chemical Plant & System Operators	LT OJT	WIA	17.51	36,420	32,090	22,740	43,260	23,900	to	45,650
51-8092	Gas Plant Operators	LT OJT	CTY	22.11	45,990	45,510	40,790	48,590	41,390	to	51,500

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ARMSTRONG COUNTY LABOR MARKET AREA

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51-8093	Petroleum Pump System Operators, Refinery Operators & Gaugers	LT OJT	WIA	31.22	64,940	66,260	56,820	69,000	60,660	to	71,740
51-8099	Plant & System Operators, Other	LT OJT	MSA	27.33	56,850	57,410	48,120	61,220	53,150	to	63,300
51-9011	Chemical Equipment Operators & Tenders	MT OJT	WIA	15.15	31,510	31,740	25,090	34,720	26,670	to	36,520
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	MT OJT	WIA	19.71	40,990	40,060	32,220	45,380	34,210	to	45,120
51-9021	Crushing, Grinding & Polishing Machine Setters, Operators & Tenders	MT OJT	WIA	19.58	40,720	42,070	26,780	47,690	31,580	to	51,580
51-9022	Grinding & Polishing Workers, Hand	MT OJT	WIA	15.67	32,580	32,570	26,710	35,520	28,220	to	36,570
51-9023	Mixing & Blending Machine Setters, Operators & Tenders	MT OJT	WIA	22.35	46,480	45,370	30,190	54,620	34,420	to	60,300
51-9031	Cutters & Trimmers, Hand	ST OJT	MSA	12.38	25,750	25,600	21,180	28,040	22,560	to	28,830
51-9032	Cutting & Slicing Machine Setters, Operators & Tenders	ST OJT	WIA	14.14	29,400	28,220	23,180	32,510	24,590	to	33,880
51-9041	Extruding, Forming, Pressing & Compacting Machine Setters, Operators & Tenders	MT OJT	WIA	15.23	31,680	30,490	27,560	33,730	27,590	to	35,270
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	MT OJT	WIA	16.11	33,510	32,600	27,410	36,550	28,400	to	37,540
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	MT OJT	CTY	21.26	44,230	39,860	32,540	50,080	34,080	to	50,770
51-9071	Jewelers & Precious Stone & Metal Workers	LT OJT	MSA	22.68	47,180	47,230	36,390	52,570	41,470	to	55,400
51-9081	Dental Laboratory Technicians	MT OJT	MSA	18.40	38,260	41,090	25,010	44,890	27,980	to	45,710
51-9082	Medical Appliance Technicians	LT OJT	WIA	17.05	35,460	34,920	25,570	40,400	28,280	to	42,170
51-9083	Ophthalmic Laboratory Technicians	MT OJT	MSA	12.77	26,550	26,920	19,330	30,170	21,770	to	31,120

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51-9111	Packaging & Filling Machine Operators & Tenders	MT OJT	WIA	13.59	28,270	26,420	18,620	33,100	20,260	to	34,930
51-9121	Coating, Painting & Spraying Machine Setters, Operators & Tenders	MT OJT	WIA	14.21	29,550	29,350	22,130	33,260	23,480	to	35,000
51-9122	Painters, Transportation Equipment	MT OJT	MSA	21.33	44,370	41,810	32,570	50,280	35,020	to	52,250
51-9123	Painting, Coating & Decorating Workers	MT OJT	WIA	13.02	27,080	26,930	22,780	29,220	23,900	to	29,810
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	WIA	11.32	23,540	20,620	16,940	26,840	17,740	to	29,140
51-9191	Adhesive Bonding Machine Operators & Tenders	MT OJT	MSA	9.20	19,140	18,810	17,000	20,210	17,190	to	21,400
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators & Tenders	MT OJT	MSA	15.80	32,860	32,320	24,780	36,910	26,670	to	39,420
51-9193	Cooling & Freezing Equipment Operators & Tenders	MT OJT	MSA	16.09	33,480	30,110	22,450	38,990	23,700	to	42,720
51-9194	Etchers & Engravers	MT OJT	MSA	17.01	35,380	34,740	25,670	40,230	27,720	to	43,080
51-9195	Molders, Shapers & Casters, Except Metal & Plastic	LT OJT	WIA	11.21	23,310	22,960	18,580	25,680	19,910	to	27,050
51-9196	Paper Goods Machine Setters, Operators & Tenders	MT OJT	MSA	16.61	34,550	32,030	26,380	38,640	27,590	to	38,860
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	16.49	34,300	29,020	21,100	40,900	24,560	to	44,180
51-9199	Production Workers, Other	MT OJT	WIA	18.71	38,920	36,730	21,280	47,740	23,880	to	54,070
53-0000	**Transportation & Material Moving Occupations**	**#**	**CTY**	**19.00**	**39,530**	**37,720**	**27,210**	**45,690**	**30,720**	**to**	**45,700**

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53-1011	Aircraft Cargo Handling Supervisors	WK EXP	MSA	22.62	47,040	45,470	41,150	49,990	41,440	to	52,990
53-1021	Supervisors - Helpers, Laborers & Material Movers	WK EXP	WIA	23.93	49,780	50,410	35,240	57,040	37,270	to	58,680
53-1031	Supervisors - Transportation & Vehicle Operators	WK EXP	CTY	22.24	46,260	43,640	41,140	48,810	40,690	to	46,580
53-2011	Airline Pilots, Copilots & Flight Engineers	WK EXP	MSA	*	111,470	111,810	71,190	131,600	82,710	to	134,550
53-2012	Commercial Pilots	LT OJT	MSA	*	60,470	52,800	32,430	74,490	35,320	to	74,410
53-2021	Air Traffic Controllers	AD	MSA	56.72	117,970	130,960	62,150	145,880	76,150	to	152,810
53-2022	Airfield Operations Specialists	LT OJT	MSA	37.27	77,530	83,470	60,070	86,260	73,910	to	90,330
53-2031	Flight Attendants	MT OJT	MSA	*	48,790	47,590	42,690	51,840	43,040	to	54,350
53-3011	Ambulance Drivers & Attendants	MT OJT	MSA	11.75	24,440	23,580	20,950	26,180	21,430	to	27,500
53-3021	Bus Drivers, Transit & Intercity	MT OJT	MSA	20.09	41,790	47,140	24,550	50,410	30,970	to	53,400
53-3022	Bus Drivers, School or Special Client	MT OJT	WIA	11.87	24,690	20,460	16,780	28,640	17,610	to	32,510
53-3031	Driver/Sales Workers	ST OJT	WIA	14.77	30,720	23,870	17,660	37,260	19,260	to	40,540
53-3032	Heavy & Tractor-Trailer Truck Drivers	WK EXP	CTY	17.60	36,610	36,360	31,050	39,380	32,730	to	40,720
53-3033	Light Truck or Delivery Services Drivers	ST OJT	CTY	22.93	47,700	39,910	26,000	58,550	30,770	to	67,760
53-3041	Taxi Drivers & Chauffeurs	ST OJT	WIA	10.89	22,660	19,990	17,090	25,440	17,800	to	26,510
53-3099	Motor Vehicle Operators, Other	ST OJT	MSA	16.61	34,560	41,880	16,620	43,520	18,070	to	46,310

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ARMSTRONG 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 ($)	Mid Range Annual Wage ($)		
53-4011	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	MSA	20.34	42,310	41,920	29,580	48,680	31,890	to	47,410
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	MSA	17.02	35,410	36,190	24,880	40,680	26,930	to	44,130
53-5021	Captains, Mates & Pilots of Water Vessels	BD	MSA	36.00	74,880	70,820	52,300	86,180	61,170	to	90,260
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	MSA	25.16	52,340	51,990	48,590	54,210	50,180	to	54,880
53-6021	Parking Lot Attendants	ST OJT	MSA	10.89	22,660	21,830	17,220	25,380	18,840	to	26,000
53-6031	Automotive & Watercraft Service Attendants	ST OJT	MSA	8.83	18,370	18,190	16,940	19,090	16,860	to	19,540
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	22.41	46,610	43,160	37,050	51,390	39,650	to	47,240
53-6061	Transportation Attendants	ST OJT	MSA	15.16	31,520	28,570	25,760	34,410	26,380	to	30,750
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	MSA	15.07	31,330	30,090	22,530	35,740	24,230	to	36,790

* - 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
ARMSTRONG 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 ($)	Mid Range Annual Wage ($)		
53-7021	Crane & Tower Operators	WK EXP	WIA	21.80	45,350	45,620	31,460	52,290	37,030	to	55,450
53-7032	Excavating & Loading Machine & Dragline Operators	WK EXP	WIA	22.06	45,890	43,520	32,730	52,470	38,140	to	48,430
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	MSA	17.97	37,370	36,410	31,350	40,380	32,340	to	42,980
53-7051	Industrial Truck & Tractor Operators	ST OJT	CTY	20.37	42,370	43,300	33,110	47,000	38,550	to	48,980
53-7061	Cleaners of Vehicles & Equipment	ST OJT	WIA	9.81	20,410	18,530	16,830	22,200	16,980	to	21,460
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	CTY	13.94	29,000	27,830	23,240	31,870	24,670	to	32,320
53-7063	Machine Feeders & Offbearers	ST OJT	WIA	11.57	24,070	23,600	16,880	27,670	18,520	to	27,790
53-7064	Packers & Packagers, Hand	ST OJT	WIA	10.34	21,500	19,940	17,170	23,680	17,820	to	24,170
53-7071	Gas Compressor & Gas Pumping Station Operators	MT OJT	CTY	25.92	53,910	54,220	51,890	54,920	50,650	to	57,790
53-7072	Pump Operators	MT OJT	MSA	30.61	63,660	66,640	57,690	66,650	62,520	to	70,760
53-7073	Wellhead Pumpers	MT OJT	WIA	20.17	41,960	48,900	22,840	51,520	28,300	to	54,910
53-7081	Refuse & Recyclable Material Collectors	ST OJT	WIA	19.43	40,410	37,890	30,350	45,430	32,580	to	50,610
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	29.40	61,160	63,410	50,550	66,460	56,310	to	69,540
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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