



Puerto Rico

Short-Term Industry & Occupational Projections

1st Quarter 2013 to 1st Quarter 2015



PUERTO RICO SHORT TERM INDUSTRY PROJECTIONS

EXPLANATION OF INDUSTRY TABLES

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Industry		Employment 1st Quarter 2013	Projected Employment 1st Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)	
NAICS Code	NAICS Title			Employment	Percent
Industry code according to the North American Industry Classification System (NAICS) Title and Coding Structure	Industry title according to the North American Industry Classification System (NAICS) Title and Coding Structure	An estimate of the number of jobs in a industry in first quarter 2013	The projected number of jobs expected to be in an industry in first quarter 2015	Total number of jobs an industry is expected to gain or lose over the first quarter 2013 to first quarter 2015 period	Percent change in the number of jobs in an industry over first quarter 2013 to first quarter 2015 period

PUERTO RICO SHORT TERM INDUSTRY PROJECTIONS
INDUSTRY EMPLOYMENT PROJECTIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Industry		Employment	Projected	Change (1st Quarter 2013 to 1st Quarter 2015)	
NAICS Code	NAICS Title	1st Quarter 2013	1st Quarter 2015	Employment	Percent
Total Employment, All Jobs		1,059,244	1,061,020	1,776	0.17
Goods-Producing Industries		121,081	112,375	-8,706	-7.19
<i>Agriculture, Forestry, Fishing and Hunting</i>		<i>13,007</i>	<i>13,059</i>	<i>52</i>	<i>0.40</i>
<i>Mining, Quarrying, and Oil and Gas Extraction</i>		<i>767</i>	<i>787</i>	<i>20</i>	<i>2.61</i>
Construction		31,353	27,662	-3,691	-11.77
236000	Construction of Buildings	15,103	13,237	-1,866	-12.36
237000	Heavy and Civil Engineering Construction	4,698	3,812	-886	-18.86
238000	Specialty Trade Contractors	11,552	10,613	-939	-8.13
Manufacturing		75,954	70,867	-5,087	-6.70
311000	Food Manufacturing	11,381	11,089	-292	-2.57
312000	Beverage and Tobacco Product Manufacturing	2,622	2,642	20	0.76
313000/314000	Textile Mills & Textile Product Mills	283	236	-47	-16.61
315000	Apparel Manufacturing	5,346	4,233	-1,113	-20.82
316000	Leather and Allied Product Manufacturing	646	611	-35	-5.42
321000	Wood Product Manufacturing	318	321	3	0.94
322000	Paper Manufacturing	1,323	1,350	27	2.04
323000	Printing and Related Support Activities	1,686	1,460	-226	-13.40
324000	Petroleum and Coal Products Manufacturing	709	625	-84	-11.85
325000	Chemical Manufacturing	17,785	15,552	-2,233	-12.56
326000	Plastics and Rubber Products Manufacturing	1,641	1,500	-141	-8.59
327000	Nonmetallic Mineral Product Manufacturing	1,938	1,785	-153	-7.89
331000	Primary Metal Manufacturing	499	457	-42	-8.42
332000	Fabricated Metal Product Manufacturing	3,590	3,336	-254	-7.08
333000	Machinery Manufacturing	2,119	2,100	-19	-0.90
334000	Computer and Electronic Product Manufacturing	4,554	3,742	-812	-17.83
335000	Electrical Equipment, Appliance, and Component Manufacturing	5,244	5,188	-56	-1.07
336000	Transportation Equipment Manufacturing	1,197	1,287	90	7.52
337000	Furniture and Related Product Manufacturing	1,256	1,197	-59	-4.70
339000	Miscellaneous Manufacturing	11,817	12,156	339	2.87

PUERTO RICO SHORT TERM INDUSTRY PROJECTIONS
INDUSTRY EMPLOYMENT PROJECTIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Industry		Employment	Projected	Change (1st Quarter 2013 to 1st Quarter 2015)	
NAICS Code	NAICS Title	1st Quarter 2013	Employment 1st Quarter 2015	Employment	Percent
Service-Providing Industries		813,402	820,071	6,669	0.82
Trade, Transportation and Utilities		177,398	178,905	1,507	0.85
Wholesale Trade		32,525	32,452	-73	-0.22
423000	Merchant Wholesalers, Durable Goods	12,250	12,191	-59	-0.48
424000	Merchant Wholesalers, Nondurable Goods	19,286	19,286	0	0.00
425000	Wholesale Electronic Markets and Agents and Brokers	989	975	-14	-1.42
Retail Trade		130,179	131,841	1,662	1.28
441000	Motor Vehicle and Parts Dealers	12,834	13,012	178	1.39
442000	Furniture and Home Furnishings Stores	2,589	2,432	-157	-6.06
443000	Electronics and Appliance Stores	3,728	3,607	-121	-3.25
444000	Building Material and Garden Equipment and Supplies Dealers	8,540	8,139	-401	-4.70
445000	Food and Beverage Stores	26,698	26,962	264	0.99
446000	Health and Personal Care Stores	17,690	18,525	835	4.72
447000	Gasoline Stations	5,019	5,198	179	3.57
448000	Clothing and Clothing Accessories Stores	19,412	19,522	110	0.57
451000	Sporting Goods, Hobby, Book, and Music Stores	2,020	1,774	-246	-12.18
452000	General Merchandise Stores	25,331	26,232	901	3.56
453000	Miscellaneous Store Retailers	5,150	5,269	119	2.31
454000	Nonstore Retailers	1,168	1,169	1	0.09
Transportation and Warehousing		14,345	14,245	-100	-0.70
481000	Air Transportation	1,844	1,611	-233	-12.64
483000	Water Transportation	549	466	-83	-15.12
484000	Truck Transportation	2,988	2,980	-8	-0.27
485000	Transit and Ground Passenger Transport	2,488	2,791	303	12.18
487000	Scenic and Sightseeing Transportation	196	233	37	18.88
488000	Support Activities for Transportation	3,436	3,331	-105	-3.06
492000	Couriers and Messengers	1,207	1,225	18	1.49
493000	Warehousing and Storage	1,637	1,608	-29	-1.77
221000	Utilities	349	367	18	5.16

PUERTO RICO SHORT TERM INDUSTRY PROJECTIONS
INDUSTRY EMPLOYMENT PROJECTIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

NAICS Code	Industry NAICS Title	Employment	Projected	Change (1st Quarter 2013 to 1st Quarter 2015)	
		1st Quarter 2013	Employment 1st Quarter 2015	Employment	Percent
Information		18,881	19,131	250	1.32
511000	Publishing Industries	2,832	2,884	52	1.84
512000	Motion Picture and Sound Recording Industries	2,051	2,145	94	4.58
515000	Broadcasting (except Internet)	1,890	1,800	-90	-4.76
517000	Telecommunications	10,000	10,140	140	1.40
518000	Internet Service Providers, Web Search Portals, and Data Processing Services	1,945	1,963	18	0.93
519000	Other Information Services	163	199	36	22.09
Financial Activities		43,956	43,749	-207	-0.47
Finance and Insurance		31,129	31,122	-7	-0.02
522000	Credit Intermediation and Related Activities	16,064	15,651	-413	-2.57
523000	Securities, Commodity Contracts, and Other	1,162	1,220	58	4.99
524000/525000	Insurance Carriers and Related Activities & Funds, Trust, and Other Financial Vehicles	13,903	14,251	348	2.50
Real Estate and Rental and Leasing		12,827	12,627	-200	-1.56
531000	Real Estate	9,468	9,496	28	0.30
532000/533000	Rental and Leasing Services & Lessors of Nonfinancial Intangible Assets	3,359	3,131	-228	-6.79
Professional and Business Services		112,597	116,205	3,608	3.20
541000	Professional, Scientific, and Technical Services	28,814	29,694	880	3.05
551000	Management of Companies and Enterprises	10,531	9,944	-587	-5.57
561000	Administrative and Support Services	69,254	72,423	3,169	4.58
562000	Waste Management and Remediation Service	3,998	4,144	146	3.65
Education and Health Services		190,046	193,637	3,591	1.89
611000	Educational Services (Public and Private)	106,515	106,592	77	0.07
Health Care and Social Assistance		83,531	87,045	3,514	4.21
621000	Ambulatory Health Care Services	34,461	36,348	1,887	5.48
622000	Hospitals (Public and Private)	32,082	32,928	846	2.64
623000	Nursing and Residential Care Facilities	5,566	5,816	250	4.49
624000	Social Assistance	11,422	11,953	531	4.65

PUERTO RICO SHORT TERM INDUSTRY PROJECTIONS
INDUSTRY EMPLOYMENT PROJECTIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Industry		Employment	Projected	Change (1st Quarter 2013 to 1st Quarter 2015)	
NAICS Code	NAICS Title	1st Quarter 2013	1st Quarter 2015	Employment	Percent
Leisure and hospitality		77,172	80,253	3,081	3.99
Arts, Entertainment, and Recreation		3,148	3,150	2	0.06
711000	Performing Arts, Spectator Sports, and Related Industries	1,057	1,016	-41	-3.88
712000	Museums, Historical Sites, and Similar Institution	264	268	4	1.52
713000	Amusement, Gambling, and Recreation Industries	1,827	1,866	39	2.13
Accommodation and Food Services		74,024	77,103	3,079	4.16
721000	Accommodation	14,317	14,567	250	1.75
722000	Food Services and Drinking Places	59,707	62,536	2,829	4.74
Other Services (Except Government)		14,926	14,638	-288	-1.93
811000	Repair and Maintenance	4,652	4,449	-203	-4.36
812000	Personal and Laundry Services	5,269	5,184	-85	-1.61
813000	Membership Associations and Organizations	3,642	3,688	46	1.26
814000	Private Households	1,363	1,317	-46	-3.37
Government		178,426	173,553	-4,873	-2.73
910000	Total Federal Government Employment	14,206	14,077	-129	-0.91
920000	State, Excluding Education and Hospitals	106,228	102,052	-4,176	-3.93
930000	Local, Excluding Education and Hospitals	57,992	57,424	-568	-0.98
Total Self-Employed		124,761	128,574	3,813	3.06

PUERTO RICO SHORT TERM INDUSTRY PROJECTIONS
INDUSTRIES GAINING THE MOST NEW JOBS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	NAICS Code	Industry NAICS Title	Employment 1st Quarter 2013	Projected Employment 1st Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)	
					Employment	Percent
1	561000	Administrative and Support Services	69,254	72,423	3,169	4.58
2	722000	Food Services and Drinking Places	59,707	62,536	2,829	4.74
3	621000	Ambulatory Health Care Services	34,461	36,348	1,887	5.48
4	452000	General Merchandise Stores	25,331	26,232	901	3.56
5	541000	Professional, Scientific, and Technical Services	28,814	29,694	880	3.05
6	622000	Hospitals	32,082	32,928	846	2.64
7	446000	Health and Personal Care Stores	17,690	18,525	835	4.72
8	624000	Social Assistance	11,422	11,953	531	4.65
9	524000/ 525000	Insurance Carriers and Related Activities & Fund, Trusts, and Other Financial Vehicles	13,903	14,251	348	2.50
10	339000	Miscellaneous Manufacturing	11,817	12,156	339	2.87
11	485000	Transit and Ground Passenger Transport	2,488	2,791	303	12.18
12	445000	Food and Beverage Stores	26,698	26,962	264	0.99
13	623000	Nursing and Residential Care Facilities	5,566	5,816	250	4.49
14	721000	Accommodation	14,317	14,567	250	1.75
15	447000	Gasoline Stations	5,019	5,198	179	3.57
16	441000	Motor Vehicle and Parts Dealers	12,834	13,012	178	1.39
17	562000	Waste Management and Remediation Service	3,998	4,144	146	3.65
18	517000	Telecommunications	10,000	10,140	140	1.40
19	453000	Miscellaneous Store Retailers	5,150	5,269	119	2.31
20	448000	Clothing and Clothing Accessories Stores	19,412	19,522	110	0.57

PUERTO RICO SHORT TERM INDUSTRY PROJECTIONS

FASTEST-GROWING INDUSTRIES

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	NAICS Code	Industry* NAICS Title	Employment		Change (1st Quarter 2013 to 1st Quarter 2015)	
			1st Quarter 2013	Projected Employment 1st Quarter 2015	Employment	Percent
1	485000	Transit and Ground Passenger Transport	2,488	2,791	303	12.18
2	336000	Transportation Equipment Manufacturing	1,197	1,287	90	7.52
3	621000	Ambulatory Health Care Services	34,461	36,348	1,887	5.48
4	523000	Securities, Commodity Contracts, and Other Financial Investments and Related Activities	1,162	1,220	58	4.99
5	722000	Food Services and Drinking Places	59,707	62,536	2,829	4.74
6	446000	Health and Personal Care Stores	17,690	18,525	835	4.72
7	624000	Social Assistance	11,422	11,953	531	4.65
8	512000	Motion Picture and Sound Recording Industries	2,051	2,145	94	4.58
9	561000	Administrative and Support Services	69,254	72,423	3,169	4.58
10	623000	Nursing and Residential Care Facilities	5,566	5,816	250	4.49
11	562000	Waste Management and Remediation Service	3,998	4,144	146	3.65
12	447000	Gasoline Stations	5,019	5,198	179	3.57
13	452000	General Merchandise Stores	25,331	26,232	901	3.56
14	541000	Professional, Scientific, and Technical Services	28,814	29,694	880	3.05
15	339000	Miscellaneous Manufacturing	11,817	12,156	339	2.87
16	622000	Hospitals	32,082	32,928	846	2.64
17	524000/ 525000	Insurance Carriers and Related Activities & Fund, Trusts, and Other Financial Vehicles	13,903	14,251	348	2.50
18	453000	Miscellaneous Store Retailers	5,150	5,269	119	2.31
19	713000	Amusement, Gambling, and Recreation Industries	1,827	1,866	39	2.13
20	322000	Paper Manufacturing	1,323	1,350	27	2.04

*Industries with a minimum of 1,000 jobs in first quarter 2013.

PUERTO RICO SHORT TERM INDUSTRY PROJECTIONS
DECLINING INDUSTRIES BY NET GROWTH
FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	NAICS Code	Industry NAICS Title	Employment		Change (1st Quarter 2013 to 1st Quarter 2015)	
			1st Quarter 2013	Projected Employment 1st Quarter 2015	Employment	Percent
1	999200	State Government, Excluding Education and Hospitals	106,228	102,052	-4,176	-3.93
2	325000	Chemical Manufacturing	17,785	15,552	-2,233	-12.56
3	236000	Construction of Buildings	15,103	13,237	-1,866	-12.36
4	315000	Apparel Manufacturing	5,346	4,233	-1,113	-20.82
5	238000	Specialty Trade Contractors	11,552	10,613	-939	-8.13
6	237000	Heavy and Civil Engineering Construction	4,698	3,812	-886	-18.86
7	334000	Computer and Electronic Product Manufacturing	4,554	3,742	-812	-17.83
8	551000	Management of Companies and Enterprises	10,531	9,944	-587	-5.57
9	999300	Local Government, Excluding Education and Hospitals	57,992	57,424	-568	-0.98
10	522000	Credit Intermediation and Related Activities	16,064	15,651	-413	-2.57
11	444000	Building Material and Garden Equipment and Supplies Dealers	8,540	8,139	-401	-4.70
12	311000	Food Manufacturing	11,381	11,089	-292	-2.57
13	332000	Fabricated Metal Product Manufacturing	3,590	3,336	-254	-7.08
14	451000	Sporting Goods, Hobby, Book, and Music Stores	2,020	1,774	-246	-12.18
15	481000	Air Transportation	1,844	1,611	-233	-12.64
16	532000/ 533000	Rental and Leasing Services	3,359	3,131	-228	-6.79
17	323000	Printing and Related Support Activities	1,686	1,460	-226	-13.40
18	811000	Repair and Maintenance	4,652	4,449	-203	-4.36
19	491100	Postal Service	2,523	2,364	-159	-6.30
20	442000	Furniture and Home Furnishings Stores	2,589	2,432	-157	-6.06

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

EXPLANATION OF OCCUPATIONAL TABLES

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Occupation		Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
SOC Code	Soc Title			Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
The occupational code based on the Standard Occupational Classification (SOC) Coding and Title Structure	The occupational title based on the Standard Occupational Classification (SOC) Coding and Title Structure	An estimated of the number of jobs in an occupation in first quarter 2013	The projected number of jobs expected to be in an occupation in first quarter 2015	Total number of jobs an occupation is expected to gain or lose over the first quarter 2013 to first quarter 2015 period	Percent change in the number of jobs in an occupation over the first quarter 2013 to first quarter 2015 period	Average number of job openings expected to be created by industry expansion during the projection period due to employment growth	Average number of job openings expected to be created during the projection period due to the need to replace worker who leave the occupation	Average number of job openings expected to be created during the projection period due to employment growth and replacements	This category best describes the typical level of education that most workers need to enter the occupation	This category capture work experience that is commonly considered necessary by employers, or is a commonly accepted substitute for other, more formal types of training or education	This category encompasses any additional training or preparation that is typically needed, once employed in an occupation, to attain competency in the skills needed in that occupation	At the 10th percentile, ten percent of workers employed in that occupation earn less and 90 percent earn more than the estimated wage value	At the 50th percentile (also referred to as the median), 50 percent earn more than the estimated wage value	At the 90th percentile, 90 percent of workers employed in that occupation earn less and 10 percent earn more than the estimated wage value

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

Definitions for the Education and Training Classification System

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Education and Training

The Bureau of Labor Statistics (BLS) education and training classification system consists of three categories of information that BLS analysts have assigned to each detailed occupation in the 2012–22 National Employment Matrix. The categories are: 1) typical education needed for entry, 2) commonly required work experience in a related occupation, and 3) typical on-the-job training needed to obtain competency in the occupation. Each category and its related choice selections are defined below.

Typical education needed for entry. This category best describes the typical level of education that most workers need to enter the occupation. Occupations are assigned one of the following eight education levels:

- (1) Doctoral or professional degree.** Completion of a doctoral degree (Ph.D.) usually requires at least 3 years of full-time academic work beyond a bachelor's degree. Completion of a professional degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree. Examples of occupations for which a professional degree is the typical form of entry-level education include lawyers, physicians and surgeons, and dentists.
- (2) Master's degree.** Completion of this degree usually requires 1 or 2 years of full-time academic study beyond a bachelor's degree. Examples of occupations in this category include statisticians, physician assistants, and educational, guidance, school, and vocational counselors.
- (3) Bachelor's degree.** Completion of this degree generally requires at least 4 years, but not more than 5 years, of full-time academic study beyond high school. Examples of occupations in this category include budget analysts, dietitians and nutritionist, and civil engineers.
- (4) Associate's degree.** Completion of this degree usually requires at least 2 years but not more than 4 years of full-time academic study beyond high school. Examples of occupations in this category include mechanical drafters, respiratory therapists, and dental hygienists.
- (5) Postsecondary non-degree award.** These programs lead to a certificate or other award, but not a degree. The certificate is awarded by the educational institution and is the result of completing formal postsecondary schooling. Certification, issued by a professional organization or certifying body, is not included here. Some postsecondary nondegree award programs last only a few weeks, while others may last 1 to 2 years. Examples of occupations in this category include nursing aides, emergency medical technicians (EMTs) and paramedics, and hairstylists.
- (6) Some college, no degree.** This category signifies the achievement of a high school diploma or equivalent plus the completion of one or more postsecondary courses that did not result in a degree or award. An Example of an occupation in this category are actors.
- (7) High school diploma or equivalent.** This category indicates the completion of high school or an equivalent program resulting in the award of a high school diploma or an equivalent, such as the General Educational Development (GED) credential. Examples of occupations in this category include social and human service assistants, carpenters, and pharmacy technicians.

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

Definitions for the Education and Training Classification System

FIRST QUARTER 2013 TO FIRST QUARTER 2015

(8) Less than high school. This category signifies the completion of any level of primary or secondary education that did not result in the award of a high school diploma or equivalent. Examples of occupations in this category include janitors and cleaners, cashiers, and agricultural equipment operators.

Work experience in a related occupation. For some occupations, work experience in a related occupation may be a typical method of entry. The majority of occupations in this category are first-line supervisors of service, sales, and production occupations or managers of all occupations. Although work experience in a related occupation is beneficial for all occupations, this metric capture work experience that is commonly considered necessary by employers, or is a commonly accepted substitute for other, more formal types of training or education. Occupations are assigned one of the following three categories that deal with length of time spent gaining related work experience:

(1) 5 years or more. This is assigned to occupations if 5 or more years of work experience in a related occupation is typically needed for entry. Examples include financial managers and computer and information systems managers.

(2) Less than 5 years. To enter occupations in this category, workers typically need less than 5 years of work experience in a related occupation. Examples include food service managers and database administrators.

(3) None. No work experience in a related occupation is typically needed. Examples are audiologists and actuaries.

Typical on-the-job training needed to attain competency in the occupation. This category encompasses any additional training or preparation that is typically needed, once employed in an occupation, to attain competency in the skills needed in that occupation. Training is occupation-specific rather than job-specific; skills learned can be transferred to another job in the same occupation. Occupations are assigned one of the following six training categories:

(1) Internship/residency. An internship or residency is training that involves preparation in a field such as teaching or medicine, generally under supervision in a professional setting, such as a classroom or hospital. This type of training may occur before one is employed. Completion of an internship or residency program is commonly required for state licensure or certification in fields including medicine, counseling, architecture, and teaching. Examples of occupations in the internship or residency category include physicians and surgeons and marriage and family therapists. This category does not include internships that are suggested for advancement in one's career, such as a marketing internship.

(2) Apprenticeship. An apprenticeship is a formal relationship between a worker and sponsor that consists of a combination of on-the-job training and related occupation-specific technical instruction in which the worker learns the practical and theoretical aspects of an occupation. Apprenticeship programs are sponsored by individual employers, joint employer-and- labor groups, and employer associations. The typical apprenticeship program provides at least 144 hours of occupation- specific technical instruction and 2,000 hours of on-the-job training per year over a 3-to-5 year period. Examples of occupations in the apprenticeship category include electricians and structural iron and steel workers.

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

Definitions for the Education and Training Classification System

FIRST QUARTER 2013 TO FIRST QUARTER 2015

(3) Long-term on-the-job training. More than 12 months of on-the-job training or, alternatively, combined work experience and formal classroom instruction, is needed for workers to develop the skills to attain competency. Training is occupation-specific rather than job-specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Such programs include those offered by fire academies and schools for air traffic controllers. In other occupations—nuclear power reactor operators, for example—trainees take formal courses, often provided at the jobsite, to prepare for the required licensing exams. Also included in the long-term on-the-job training category are occupations in which workers typically need to possess a natural ability or talent—including musicians and singers, athletes, dancers, photographers, and actors—and that ability or talent must be cultivated over several years, sometimes in a nonwork setting. This category excludes apprenticeships. Examples of occupations in the long-term on-the-job training category include opticians, dancers, and automotive service technicians and mechanics.

(4) Moderate-term on-the-job training. More than 1 month and up to 12 months of combined on-the-job experience and informal training is needed for workers to develop the skills needed to attain competency. Training is occupation-specific rather than job-specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Examples of occupations in the moderate-term on-the-job training category include transit and intercity bus drivers and advertising sales agents.

(5) Short-term on-the-job training. The skills needed for a worker to attain competency in an occupation can be acquired during 1 month or less of on-the-job experience and informal training. Training is occupation-specific rather than job-specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Examples of occupations in the short-term on-the-job training category include retail salespersons and maids and housekeeping cleaners.

(6) None = There is no additional occupation-specific training or preparation typically required to attain competency in the occupation. Examples of occupations that do not require occupation-specific on-the-job training include geographers and pharmacists.

References:

http://www.bls.gov/emp/ep_education_tech.htm

http://www.bls.gov/emp/ep_definitions_edtrain.pdf

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS
 OCCUPATIONS GAINING THE MOST NEW JOBS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	33-9032	Security Guards	29,489	30,397	908	3.08	908	832	1,740	High school diploma or equivalent	None	Short-term on-the-job training	\$7.61	\$8.49	\$9.41
2	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	12,191	12,921	730	5.99	730	1,168	1,898	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.46	\$9.35
3	41-2011	Cashiers	31,909	32,441	532	1.67	532	3,429	3,961	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.53	\$9.40
4	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	32,222	32,740	518	1.61	518	1,089	1,607	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.48	\$9.48
5	29-1141	Registered Nurses	17,970	18,451	481	2.68	481	610	1,091	Associate's degree	None	None	\$11.82	\$14.73	\$21.16
6	41-2031	Retail Salespersons	42,514	42,974	460	1.08	460	3,129	3,589	Less than high school	None	Short-term on-the-job training	\$7.71	\$8.69	\$11.08
7	43-6013	Medical Secretaries	6,811	7,217	406	5.96	406	162	568	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.68	\$8.69	\$11.74
8	41-1011	First-Line Supervisors of Retail Sales Workers	20,074	20,468	394	1.96	394	851	1,245	High school diploma or equivalent	Less than 5 years	None	\$8.28	\$11.95	\$22.63
9	35-2014	Cooks, Restaurant	6,124	6,472	348	5.68	348	244	592	Less than high school	Less than 5 years	Moderate-term on-the-job training	\$7.61	\$8.57	\$10.25
10	35-3031	Waiters and Waitresses	9,095	9,433	338	3.72	338	943	1,281	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.47	\$9.43
11	39-9021	Personal Care Aides	5,281	5,569	288	5.45	288	58	346	Less than high school	None	Short-term on-the-job training	\$7.56	\$8.37	\$9.18
12	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	6,152	6,429	277	4.50	277	368	645	High school diploma or equivalent	Less than 5 years	None	\$7.80	\$9.59	\$14.35
13	35-2011	Cooks, Fast Food	6,734	6,951	217	3.22	217	269	486	Less than high school	None	Short-term on-the-job training	\$7.55	\$8.37	\$9.19
14	29-2052	Pharmacy Technicians	3,457	3,654	197	5.70	197	55	252	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.76	\$9.12	\$12.85
15	37-3011	Landscaping and Groundskeeping Workers	12,288	12,463	175	1.42	175	620	795	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.61	\$11.13
16	31-1011	Home Health Aides	2,810	2,975	165	5.87	165	98	263	Less than high school	None	Short-term on-the-job training	\$7.62	\$8.57	\$12.46
17	53-3022	Bus Drivers, School or Special Client	1,633	1,793	160	9.80	160	52	212	High school diploma or equivalent	None	Short-term on-the-job training	\$7.63	\$8.51	\$9.45
18	39-9011	Childcare Workers	3,986	4,114	128	3.21	128	240	368	High school diploma or equivalent	None	Short-term on-the-job training	\$7.57	\$8.42	\$9.27
19	43-3021	Billing and Posting Clerks	5,054	5,176	122	2.41	122	163	285	High school diploma or equivalent	None	Short-term on-the-job training	\$7.79	\$9.15	\$14.05

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

OCCUPATIONS GAINING THE MOST NEW JOBS

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
20	43-4051	Customer Service Representatives	12,545	12,665	120	0.96	120	658	778	High school diploma or equivalent	None	Short-term on-the-job training	\$7.81	\$9.40	\$16.95

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS
FASTEST-GROWING OCCUPATIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to Replacement			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	27-3091	Interpreters and Translators	489	538	49	10.02	49	10	59	Bachelor's degree	None	Short-term on-the-job training	\$12.02	\$13.61	\$22.08
2	53-3022	Bus Drivers, School or Special Client	1,633	1,793	160	9.80	160	52	212	High school diploma or equivalent	None	Short-term on-the-job training	\$7.63	\$8.51	\$9.45
3	29-2032	Diagnostic Medical Sonographers	238	257	19	7.98	19	5	24	Associate's degree	None	None	\$9.00	\$12.28	\$16.49
4	39-5094	Skincare Specialists	606	649	43	7.10	43	8	51	Postsecondary non-degree award	None	None	\$7.76	\$9.17	\$19.65
5	31-2021	Physical Therapist Assistants	430	456	26	6.05	26	17	43	Associate's degree	None	None	\$7.89	\$10.06	\$14.20
6	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	12,191	12,921	730	5.99	730	1,168	1,898	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.46	\$9.35
7	43-6013	Medical Secretaries	6,811	7,217	406	5.96	406	162	568	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.68	\$8.69	\$11.74
8	31-1011	Home Health Aides	2,810	2,975	165	5.87	165	98	263	Less than high school	None	Short-term on-the-job training	\$7.62	\$8.57	\$12.46
9	13-1121	Meeting, Convention, and Event Planners	1,025	1,085	60	5.85	60	25	85	Bachelor's degree	None	None	\$11.20	\$27.71	\$36.60
10	29-2052	Pharmacy Technicians	3,457	3,654	197	5.70	197	55	252	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.76	\$9.12	\$12.85
11	35-2014	Cooks, Restaurant	6,124	6,472	348	5.68	348	244	592	Less than high school	Less than 5 years	Moderate-term on-the-job training	\$7.61	\$8.57	\$10.25
12	29-2012	Medical and Clinical Laboratory Technicians	550	581	31	5.64	31	27	58	Associate's degree	None	None	\$8.10	\$11.54	\$15.43
13	13-1161	Market Research Analysts and Marketing Specialists	1,993	2,102	109	5.47	109	49	158	Bachelor's degree	None	None	\$8.68	\$16.23	\$37.81
14	39-9021	Personal Care Aides	5,281	5,569	288	5.45	288	58	346	Less than high school	None	Short-term on-the-job training	\$7.56	\$8.37	\$9.18
15	31-9097	Phlebotomists	482	508	26	5.39	26	17	43	Postsecondary non-degree award	None	None	\$7.83	\$10.09	\$14.28
16	27-3043	Writers and Authors	549	578	29	5.28	29	22	51	Bachelor's degree	None	Moderate-term on-the-job training	\$11.80	\$20.15	\$33.85
17	29-2031	Cardiovascular Technologists and Technicians	346	364	18	5.20	18	8	26	Associate's degree	None	None	\$7.95	\$11.68	\$17.56
18	15-1132	Software Developers, Applications	431	453	22	5.10	22	9	31	Bachelor's degree	None	None	\$13.04	\$21.30	\$31.86
19	25-1071	Health Specialties Teachers, Postsecondary	1,328	1,392	64	4.82	64	37	101	Doctoral or professional degree	Less than 5 years	None	NA	NA	NA

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS
FASTEST-GROWING OCCUPATIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to Replacement			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
20	29-2081	Opticians, Dispensing	622	652	30	4.82	30	32	62	High school diploma or equivalent	None	Long-term on-the-job training	\$8.00	\$10.93	\$21.35
21	31-9092	Medical Assistants	665	697	32	4.81	32	23	55	Postsecondary non-degree award	None	None	\$8.17	\$12.84	\$24.53
22	19-1012	Food Scientists and Technologists	422	442	20	4.74	20	27	47	Bachelor's degree	None	None	\$11.87	\$16.81	\$27.90
23	25-1072	Nursing Instructors and Teachers, Postsecondary	701	734	33	4.71	33	19	52	Master's degree	Less than 5 years	None	NA	NA	NA
24	21-1022	Healthcare Social Workers	663	694	31	4.68	31	27	58	Master's degree	None	None	\$8.43	\$12.72	\$17.88
25	29-2057	Ophthalmic Medical Technicians	587	614	27	4.60	27	9	36	Postsecondary non-degree award	None	None	\$8.99	\$10.91	\$18.01
26	11-9051	Food Service Managers	2,280	2,384	104	4.56	104	74	178	High school diploma or equivalent	Less than 5 years	None	\$12.07	\$14.26	\$21.33
27	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	6,152	6,429	277	4.50	277	368	645	High school diploma or equivalent	Less than 5 years	None	\$7.80	\$9.59	\$14.35
28	51-9083	Ophthalmic Laboratory Technicians	1,174	1,226	52	4.43	52	79	131	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.09	\$11.01	\$15.49
29	21-1023	Mental Health and Substance Abuse Social Workers	342	357	15	4.39	15	14	29	Bachelor's degree	None	None	\$7.83	\$9.43	\$22.00
30	53-3041	Taxi Drivers and Chauffeurs	2,179	2,272	93	4.27	93	38	131	Less than high school	None	Short-term on-the-job training	\$7.65	\$8.74	\$12.55
31	53-5021	Captains, Mates, and Pilots of Water Vessels	211	220	9	4.27	9	12	21	Bachelor's degree	None	None	\$7.94	\$10.67	\$20.81
32	35-3011	Bartenders	1,582	1,649	67	4.24	67	115	182	Less than high school	None	Short-term on-the-job training	\$7.59	\$8.52	\$10.00
33	31-9095	Pharmacy Aides	2,491	2,594	103	4.13	103	86	189	High school diploma or equivalent	None	Short-term on-the-job training	\$7.74	\$9.33	\$11.29
34	29-2055	Surgical Technologists	778	810	32	4.11	32	12	44	Postsecondary non-degree award	None	None	\$7.71	\$8.91	\$13.76
35	33-9093	Transportation Security Screeners	492	512	20	4.07	20	26	46	diploma or equivalent	None	Short-term on-the-job training	\$14.01	\$16.80	\$19.38
36	29-1051	Pharmacists	1,960	2,039	79	4.03	79	90	169	professional degree	None	None	\$19.97	\$37.63	\$53.82
37	29-1123	Physical Therapists	599	623	24	4.01	24	29	53	Doctoral or professional degree	None	None	\$8.49	\$17.34	\$32.28
38	41-3021	Insurance Sales Agents	2,749	2,859	110	4.00	110	126	236	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.37	\$17.05	\$34.15

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS
FASTEST-GROWING OCCUPATIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
39	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,161	2,247	86	3.98	86	463	549	Less than high school	None	None	\$7.58	\$8.46	\$9.36
40	41-9022	Real Estate Sales Agents	1,358	1,411	53	3.90	53	26	79	High school diploma or equivalent	None	Long-term on-the-job training	\$12.17	\$19.79	\$32.19
41	51-4041	Machinists	771	801	30	3.89	30	35	65	High school diploma or equivalent	None	Long-term on-the-job training	\$7.88	\$9.80	\$16.61
42	49-9062	Medical Equipment Repairers	366	380	14	3.83	14	20	34	Associate's degree	None	Moderate-term on-the-job training	\$8.44	\$14.65	\$31.64
43	31-9091	Dental Assistants	2,433	2,526	93	3.82	93	93	186	Postsecondary non-degree award	None	None	\$7.58	\$8.46	\$9.37
44	41-9011	Demonstrators and Product Promoters	1,564	1,623	59	3.77	59	91	150	High school diploma or equivalent	None	Short-term on-the-job training	\$7.79	\$8.94	\$18.35
45	35-3031	Waiters and Waitresses	9,095	9,433	338	3.72	338	943	1281	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.47	\$9.43
46	39-1011	Gaming Supervisors	377	391	14	3.71	14	14	28	High school diploma or equivalent	Less than 5 years	None	\$9.26	\$14.30	\$22.78
47	35-1011	Chefs and Head Cooks	648	672	24	3.70	24	19	43	High school diploma or equivalent	5 years or more	None	\$7.78	\$11.62	\$32.02
48	27-1011	Art Directors	679	704	25	3.68	25	33	58	Bachelor's degree	5 years or more	None	\$15.36	\$26.60	\$44.85
49	11-9111	Medical and Health Services Managers	1,198	1,242	44	3.67	44	51	95	Bachelor's degree	None	None	\$16.29	\$26.09	\$58.44
50	29-1065	Pediatricians, General	245	254	9	3.67	9	12	21	Doctoral or professional degree	None	Internship/residency	\$17.40	\$29.32	\$36.74

*This table includes occupations with a minimum of 200 jobs in first quarter 2013.

NA = Not Available

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS
MOST OPENINGS OCCUPATIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	41-2011	Cashiers	31,909	32,441	532	1.67	532	3,429	3,961	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.53	\$9.40
2	41-2031	Retail Salespersons	42,514	42,974	460	1.08	460	3,129	3,589	Less than high school	None	Short-term on-the-job training	\$7.71	\$8.69	\$11.08
3	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	12,191	12,921	730	5.99	730	1,168	1,898	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.46	\$9.35
4	33-9032	Security Guards	29,489	30,397	908	3.08	908	832	1,740	High school diploma or equivalent	None	Short-term on-the-job training	\$7.61	\$8.49	\$9.41
5	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	32,222	32,740	518	1.61	518	1,089	1,607	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.48	\$9.48
6	35-3031	Waiters and Waitresses	9,095	9,433	338	3.72	338	943	1,281	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.47	\$9.43
7	41-1011	First-Line Supervisors of Retail Sales Workers	20,074	20,468	394	1.96	394	851	1,245	High school diploma or equivalent	Less than 5 years	None	\$8.28	\$11.95	\$22.63
8	29-1141	Registered Nurses	17,970	18,451	481	2.68	481	610	1,091	Associate's degree	None	None	\$11.82	\$14.73	\$21.16
9	33-3051	Police and Sheriff's Patrol Officers	17,429	16,943	-486	-2.79	0	1,069	1,069	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.34	\$13.23	\$16.73
10	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	16,351	16,322	-29	-0.18	0	1,041	1,041	Less than high school	None	Short-term on-the-job training	\$7.68	\$8.76	\$13.54
11	35-2021	Food Preparation Workers	13,958	14,063	105	0.75	105	902	1,007	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.87	\$10.92
12	43-5081	Stock Clerks and Order Fillers	15,007	14,948	-59	-0.39	0	956	956	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.67	\$11.44
13	43-9061	Office Clerks, General	22,023	21,513	-510	-2.32	0	906	906	High school diploma or equivalent	None	Short-term on-the-job training	\$7.72	\$8.98	\$13.90
14	37-3011	Landscaping and Groundskeeping Workers	12,288	12,463	175	1.42	175	620	795	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.61	\$11.13
15	35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	3,610	3,701	91	2.52	91	694	785	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.44	\$9.27
16	43-4051	Customer Service Representatives	12,545	12,665	120	0.96	120	658	778	High school diploma or equivalent	None	Short-term on-the-job training	\$7.81	\$9.40	\$16.95
17	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	6,152	6,429	277	4.50	277	368	645	High school diploma or equivalent	Less than 5 years	None	\$7.80	\$9.59	\$14.35
18	43-1011	First-Line Supervisors of Office and Administrative Support Workers	13,275	13,286	11	0.08	11	620	631	High school diploma or equivalent	Less than 5 years	None	\$9.72	\$14.87	\$25.51
19	43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,413	24,462	49	0.20	49	581	630	High school diploma or equivalent	None	Short-term on-the-job training	\$7.76	\$9.08	\$14.39
20	13-2011	Accountants and Auditors	10,079	10,114	35	0.35	35	584	619	Bachelor's degree	None	None	\$9.73	\$15.19	\$26.70

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS
MOST OPENINGS OCCUPATIONS
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
21	35-2014	Cooks, Restaurant	6,124	6,472	348	5.68	348	244	592	Less than high school	Less than 5 years	Moderate-term on-the-job training	\$7.61	\$8.57	\$10.25
22	47-2061	Construction Laborers	13,913	13,067	-846	-6.08	0	584	584	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.50	\$9.80
23	43-6013	Medical Secretaries	6,811	7,217	406	5.96	406	162	568	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.68	\$8.69	\$11.74
24	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,161	2,247	86	3.98	86	463	549	Less than high school	None	None	\$7.58	\$8.46	\$9.36
25	35-2011	Cooks, Fast Food	6,734	6,951	217	3.22	217	269	486	Less than high school	None	Short-term on-the-job training	\$7.55	\$8.37	\$9.19
26	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	10,200	10,210	10	0.10	10	396	406	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.95	\$10.73	\$26.41
27	45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	6,377	6,358	-19	-0.30	0	399	399	Less than high school	None	Short-term on-the-job training	\$7.63	\$8.78	\$14.47
28	39-9011	Childcare Workers	3,986	4,114	128	3.21	128	240	368	High school diploma or equivalent	None	Short-term on-the-job training	\$7.57	\$8.42	\$9.27
29	43-3071	Tellers	3,455	3,345	-110	-3.18	0	361	361	High school diploma or equivalent	None	Short-term on-the-job training	\$7.68	\$8.66	\$10.72
30	39-9021	Personal Care Aides	5,281	5,569	288	5.45	288	58	346	Less than high school	None	Short-term on-the-job training	\$7.56	\$8.37	\$9.18

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS
DECLINING OCCUPATIONS BY NET GROWTH
FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Average Annual Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	47-2061	Construction Laborers	13,913	13,067	-846	-6.08	0	584	584	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.50	\$9.80
2	51-6031	Sewing Machine Operators	6,584	5,767	-817	-12.41	0	72	72	Less than high school	None	Short-term on-the-job training	\$7.61	\$8.43	\$9.26
3	43-9061	Office Clerks, General	22,023	21,513	-510	-2.32	0	906	906	High school diploma or equivalent	None	Short-term on-the-job training	\$7.72	\$8.98	\$13.90
4	33-3051	Police and Sheriff's Patrol Officers	17,429	16,943	-486	-2.79	0	1,069	1,069	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.34	\$13.23	\$16.73
5	47-2031	Carpenters	7,544	7,172	-372	-4.93	0	189	189	High school diploma or equivalent	None	Apprenticeship	\$7.60	\$8.56	\$10.37
6	43-9022	Word Processors and Typists	4,924	4,560	-364	-7.39	0	44	44	High school diploma or equivalent	None	Short-term on-the-job training	\$8.25	\$10.58	\$14.40
7	43-6011	Executive Secretaries and Executive Administrative Assistants	8,888	8,570	-318	-3.58	0	211	211	High school diploma or equivalent	Less than 5 years	None	\$8.68	\$13.42	\$21.90
8	51-2092	Team Assemblers	7,220	6,953	-267	-3.70	0	235	235	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.77	\$9.15	\$12.14
9	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	4,539	4,305	-234	-5.16	0	106	106	High school diploma or equivalent	5 years or more	None	\$8.78	\$13.37	\$22.12
10	51-9111	Packaging and Filling Machine Operators and Tenders	4,359	4,156	-203	-4.66	0	208	208	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.86	\$9.97	\$16.86
11	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,649	1,463	-186	-11.28	0	94	94	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.05	\$12.43	\$20.64
12	47-2111	Electricians	3,258	3,078	-180	-5.52	0	120	120	High school diploma or equivalent	None	Apprenticeship	\$9.12	\$10.95	\$15.88
13	51-1011	First-Line Supervisors of Production and Operating Workers	4,342	4,163	-179	-4.12	0	123	123	Postsecondary non-degree award	Less than 5 years	None	\$9.57	\$15.60	\$32.95
14	33-3012	Correctional Officers and Jailers	5,033	4,863	-170	-3.38	0	259	259	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.60	\$12.69	\$14.39
15	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	3,418	3,250	-168	-4.92	0	146	146	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.96	\$10.83	\$25.18
16	43-9021	Data Entry Keyers	2,813	2,655	-158	-5.62	0	76	76	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.73	\$8.95	\$14.08
17	17-2112	Industrial Engineers	2,190	2,038	-152	-6.94	0	124	124	Bachelor's degree	None	None	\$18.51	\$32.35	\$47.58

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS
DECLINING OCCUPATIONS BY NET GROWTH
 FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Average Annual Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
18	47-2073	Operating Engineers and Other Construction Equipment Operators	2,070	1,930	-140	-6.76	0	87	87	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.80	\$9.82	\$17.98
19	47-3012	Helpers--Carpenters	999	873	-126	-12.61	0	39	39	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.39	\$9.21
20	19-2031	Chemists	1,504	1,391	-113	-7.51	0	81	81	Bachelor's degree	None	None	\$14.90	\$24.82	\$42.50

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

MASTER'S, DOCTORAL OR PROFESSIONAL DEGREE OCCUPATIONS WITH THE HIGHEST GROWTH RATES

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Due to Growth	Openings Due to Replacement	Total	Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent							10%	50%	90%
1	25-1071	Health Specialties Teachers, Postsecondary	1,328	1,392	64	4.82	64	37	101	Doctoral or professional degree	Less than 5 years	None	NA	NA	NA
2	25-1072	Nursing Instructors and Teachers, Postsecondary	701	734	33	4.71	33	19	52	Master's degree	Less than 5 years	None	NA	NA	NA
3	21-1022	Healthcare Social Workers	663	694	31	4.68	31	27	58	Master's degree	None	None	\$8.43	\$12.72	\$17.88
4	29-1051	Pharmacists	1,960	2,039	79	4.03	79	90	169	Doctoral or professional degree	None	None	\$19.97	\$37.63	\$53.82
5	29-1123	Physical Therapists	599	623	24	4.01	24	29	53	Doctoral or professional degree	None	None	\$8.49	\$17.34	\$32.28
6	29-1065	Pediatricians, General	245	254	9	3.67	9	12	21	Doctoral or professional degree	None	Internship/residency	\$17.40	\$29.32	\$36.74
7	29-1171	Nurse Practitioners	1,155	1,190	35	3.03	35	39	74	Master's degree	None	None	\$7.89	\$9.63	\$14.41
8	19-3031	Clinical, Counseling, and School Psychologists	444	457	13	2.93	13	25	38	Doctoral or professional degree	None	Internship/residency	\$7.95	\$16.32	\$28.15
9	29-1151	Nurse Anesthetists	264	271	7	2.65	7	9	16	Master's degree	None	None	\$19.05	\$26.10	\$37.12
10	29-1122	Occupational Therapists	279	286	7	2.51	7	4	11	Master's degree	None	None	\$8.41	\$13.90	\$32.13

*This table includes occupations with a minimum of 200 jobs in first quarter 2013.

NA = Not Available

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

MASTER'S, DOCTORAL OR PROFESSIONAL DEGREE MOST OPENINGS OCCUPATIONS

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	23-1011	Lawyers	4,321	4,400	79	1.83	79	128	207	Doctoral or professional degree	None	None	\$14.83	\$26.25	\$48.09
2	29-1051	Pharmacists	1,960	2,039	79	4.03	79	90	169	Doctoral or professional degree	None	None	\$19.97	\$37.63	\$53.82
3	11-9032	Education Administrators, Elementary and Secondary School	2,093	2,042	-51	-2.44	0	111	111	Master's degree	5 years or more	None	NA	NA	NA
4	25-4021	Librarians	2,202	2,197	-5	-0.23	0	105	105	Master's degree	None	None	\$10.48	\$15.72	\$21.31
5	25-1071	Health Specialties Teachers, Postsecondary	1,328	1,392	64	4.82	64	37	101	Doctoral or professional degree	Less than 5 years	None	NA	NA	NA
6	21-1012	Educational, Guidance, School, and Vocational Counselors	1,796	1,808	12	0.67	12	72	84	Master's degree	None	None	\$10.38	\$16.32	\$21.50
7	11-9033	Education Administrators, Postsecondary	1,244	1,259	15	1.21	15	66	81	Master's degree	5 years or more	None	\$13.10	\$21.34	\$38.30
8	29-1171	Nurse Practitioners	1,155	1,190	35	3.03	35	39	74	Master's degree	None	None	\$7.89	\$9.63	\$14.41
9	29-1062	Family and General Practitioners	1,097	1,111	14	1.28	14	52	66	Doctoral or professional degree	None	Internship/residency	\$22.04	\$32.02	\$52.21
10	21-1022	Healthcare Social Workers	663	694	31	4.68	31	27	58	Master's degree	None	None	\$8.43	\$12.72	\$17.88

NA = Not Available

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

BACHELOR'S DEGREE OCCUPATIONS WITH THE HIGHEST GROWTH RATES

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	27-3091	Interpreters and Translators	489	538	49	10.02	49	10	59	Bachelor's degree	None	Short-term on-the-job training	\$12.02	\$13.61	\$22.08
2	13-1121	Meeting, Convention, and Event Planners	1,025	1,085	60	5.85	60	25	85	Bachelor's degree	None	None	\$11.20	\$27.71	\$36.60
3	13-1161	Market Research Analysts and Marketing Specialists	1,993	2,102	109	5.47	109	49	158	Bachelor's degree	None	None	\$8.68	\$16.23	\$37.81
4	27-3043	Writers and Authors	549	578	29	5.28	29	22	51	Bachelor's degree	None	Moderate-term on-the-job training	\$11.80	\$20.15	\$33.85
5	15-1132	Software Developers, Applications	431	453	22	5.10	22	9	31	Bachelor's degree	None	None	\$13.04	\$21.30	\$31.86
6	19-1012	Food Scientists and Technologists	422	442	20	4.74	20	27	47	Bachelor's degree	None	None	\$11.87	\$16.81	\$27.90
7	21-1023	Mental Health and Substance Abuse Social Workers	342	357	15	4.39	15	14	29	Bachelor's degree	None	None	\$7.83	\$9.43	\$22.00
8	53-5021	Captains, Mates, and Pilots of Water Vessels	211	220	9	4.27	9	12	21	Bachelor's degree	None	None	\$7.94	\$10.67	\$20.81
9	27-1011	Art Directors	679	704	25	3.68	25	33	58	Bachelor's degree	5 years or more	None	\$15.36	\$26.60	\$44.85
10	11-9111	Medical and Health Services Managers	1,198	1,242	44	3.67	44	51	95	Bachelor's degree	None	None	\$16.29	\$26.09	\$58.44

*This table includes occupations with a minimum of 200 jobs in first quarter 2013.

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

BACHELOR'S DEGREE MOST OPENINGS OCCUPATIONS

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Due to Growth	Openings Due to Replacement		Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent		Total	10%				50%	90%	
1	13-2011	Accountants and Auditors	10,079	10,114	35	0.35	35	584	619	Bachelor's degree	None	None	\$9.73	\$15.19	\$26.70
2	21-1021	Child, Family, and School Social Workers	4,610	4,566	-44	-0.95	0	189	189	Bachelor's degree	None	None	\$10.04	\$15.19	\$19.48
3	29-2011	Medical and Clinical Laboratory Technologists	2,199	2,259	60	2.73	60	108	168	Bachelor's degree	None	None	\$10.14	\$14.08	\$22.03
4	11-1021	General and Operations Managers	5,281	5,271	-10	-0.19	0	167	167	Bachelor's degree	Less than 5 years	None	\$15.94	\$32.77	\$76.53
5	13-1161	Market Research Analysts and Marketing Specialists	1,993	2,102	109	5.47	109	49	158	Bachelor's degree	None	None	\$8.68	\$16.23	\$37.81
6	11-1011	Chief Executives	3,089	3,085	-4	-0.13	0	129	129	Bachelor's degree	5 years or more	None	\$25.43	\$47.11	NA
7	17-2112	Industrial Engineers	2,190	2,038	-152	-6.94	0	124	124	Bachelor's degree	None	None	\$18.51	\$32.35	\$47.58
8	11-3031	Financial Managers	3,587	3,567	-20	-0.56	0	120	120	Bachelor's degree	5 years or more	None	\$16.11	\$28.50	\$56.23
9	17-2051	Civil Engineers	2,156	2,077	-79	-3.66	0	97	97	Bachelor's degree	None	None	\$14.36	\$22.83	\$41.30
10	11-9111	Medical and Health Services Managers	1,198	1,242	44	3.67	44	51	95	Bachelor's degree	None	None	\$16.29	\$26.09	\$58.44

NA = Not Available

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

ASSOCIATE'S DEGREE OR POSTSECONDARY NON-DEGREE AWARD OCCUPATIONS WITH THE HIGHEST GROWTH RATES

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Growth	Openings Due to Replacement		Total	Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent		10%	50%					90%		
1	29-2032	Diagnostic Medical Sonographers	238	257	19	7.98	19	5	24	Associate's degree	None	None	\$9.00	\$12.28	\$16.49	
2	39-5094	Skincare Specialists	606	649	43	7.10	43	8	51	Postsecondary non-degree award	None	None	\$7.76	\$9.17	\$19.65	
3	31-2021	Physical Therapist Assistants	430	456	26	6.05	26	17	43	Associate's degree	None	None	\$7.89	\$10.06	\$14.20	
4	29-2012	Medical and Clinical Laboratory Technicians	550	581	31	5.64	31	27	58	Associate's degree	None	None	\$8.10	\$11.54	\$15.43	
5	31-9097	Phlebotomists	482	508	26	5.39	26	17	43	Postsecondary non-degree award	None	None	\$7.83	\$10.09	\$14.28	
6	29-2031	Cardiovascular Technologists and Technicians	346	364	18	5.20	18	8	26	Associate's degree	None	None	\$7.95	\$11.68	\$17.56	
7	31-9092	Medical Assistants	665	697	32	4.81	32	23	55	Postsecondary non-degree award	None	None	\$8.17	\$12.84	\$24.53	
8	29-2057	Ophthalmic Medical Technicians	587	614	27	4.60	27	9	36	Postsecondary non-degree award	None	None	\$8.99	\$10.91	\$18.01	
9	29-2055	Surgical Technologists	778	810	32	4.11	32	12	44	Postsecondary non-degree award	None	None	\$7.71	\$8.91	\$13.76	
10	49-9062	Medical Equipment Repairers	366	380	14	3.83	14	20	34	Associate's degree	None	Moderate-term on-the-job training	\$8.44	\$14.65	\$31.64	

*This table includes occupations with a minimum of 200 jobs in first quarter 2013.

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

ASSOCIATE'S DEGREE OR POSTSECONDARY NON-DEGREE AWARD MOST OPENINGS OCCUPATIONS

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	29-1141	Registered Nurses	17,970	18,451	481	2.68	481	610	1,091	Associate's degree	None	None	\$11.82	\$14.73	\$21.16
2	53-3032	Heavy and Tractor-Trailer Truck Drivers	9,567	9,483	-84	-0.88	0	291	291	Postsecondary non-degree award	None	Short-term on-the-job training	\$7.67	\$8.66	\$10.92
3	29-2061	Licensed Practical and Licensed Vocational Nurses	4,389	4,427	38	0.87	38	204	242	Postsecondary non-degree award	None	None	\$7.78	\$9.29	\$14.44
4	25-2011	Preschool Teachers, Except Special Education	3,455	3,486	31	0.90	31	190	221	Associate's degree	None	None	\$8.19	\$10.51	\$13.46
5	31-9091	Dental Assistants	2,433	2,526	93	3.82	93	93	186	Postsecondary non-degree award	None	None	\$7.58	\$8.46	\$9.37
6	39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,144	2,212	68	3.17	68	98	166	Postsecondary non-degree award	None	None	\$7.82	\$9.70	\$12.55
7	51-1011	First-Line Supervisors of Production and Operating Workers	4,342	4,163	-179	-4.12	0	123	123	Postsecondary non-degree award	Less than 5 years	None	\$9.57	\$15.60	\$32.95
8	29-2071	Medical Records and Health Information Technicians	1,288	1,329	41	3.18	41	64	105	Postsecondary non-degree award	None	None	\$7.73	\$9.04	\$15.05
9	25-4031	Library Technicians	798	796	-2	-0.25	0	95	95	Postsecondary non-degree award	None	None	\$7.75	\$9.15	\$16.08
10	29-2041	Emergency Medical Technicians and Paramedics	1,732	1,731	-1	-0.06	0	86	86	Postsecondary non-degree award	None	None	\$7.83	\$9.64	\$14.15

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

OCCUPATIONS REQUIRING A HIGH SCHOOL DIPLOMA OR EQUIVALENT WITH THE HIGHEST GROWTH RATES

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	53-3022	Bus Drivers, School or Special Client	1,633	1,793	160	9.80	160	52	212	High school diploma or equivalent	None	Short-term on-the-job training	\$7.63	\$8.51	\$9.45
2	43-6013	Medical Secretaries	6,811	7,217	406	5.96	406	162	568	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.68	\$8.69	\$11.74
3	29-2052	Pharmacy Technicians	3,457	3,654	197	5.70	197	55	252	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.76	\$9.12	\$12.85
4	29-2081	Opticians, Dispensing	622	652	30	4.82	30	32	62	High school diploma or equivalent	None	Long-term on-the-job training	\$8.00	\$10.93	\$21.35
5	11-9051	Food Service Managers	2,280	2,384	104	4.56	104	74	178	High school diploma or equivalent	Less than 5 years	None	\$12.07	\$14.26	\$21.33
6	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	6,152	6,429	277	4.50	277	368	645	High school diploma or equivalent	Less than 5 years	None	\$7.80	\$9.59	\$14.35
7	51-9083	Ophthalmic Laboratory Technicians	1,174	1,226	52	4.43	52	79	131	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.09	\$11.01	\$15.49
8	31-9095	Pharmacy Aides	2,491	2,594	103	4.13	103	86	189	High school diploma or equivalent	None	Short-term on-the-job training	\$7.74	\$9.33	\$11.29
9	33-9093	Transportation Security Screeners	492	512	20	4.07	20	26	46	High school diploma or equivalent	None	Short-term on-the-job training	\$14.01	\$16.80	\$19.38
10	41-3021	Insurance Sales Agents	2,749	2,859	110	4.00	110	126	236	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.37	\$17.05	\$34.15

*This table includes occupations with a minimum of 200 jobs in first quarter 2013.

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

OCCUPATIONS REQUIRING A HIGH SCHOOL DIPLOMA OR EQUIVALENT MOST OPENINGS OCCUPATIONS

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	33-9032	Security Guards	29,489	30,397	908	3.08	908	832	1,740	High school diploma or equivalent	None	Short-term on-the-job training	\$7.61	\$8.49	\$9.41
2	41-1011	First-Line Supervisors of Retail Sales Workers	20,074	20,468	394	1.96	394	851	1,245	High school diploma or equivalent	Less than 5 years	None	\$8.28	\$11.95	\$22.63
3	33-3051	Police and Sheriff's Patrol Officers	17,429	16,943	-486	-2.79	0	1,069	1,069	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.34	\$13.23	\$16.73
4	43-9061	Office Clerks, General	22,023	21,513	-510	-2.32	0	906	906	High school diploma or equivalent	None	Short-term on-the-job training	\$7.72	\$8.98	\$13.90
5	43-4051	Customer Service Representatives	12,545	12,665	120	0.96	120	658	778	High school diploma or equivalent	None	Short-term on-the-job training	\$7.81	\$9.40	\$16.95
6	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	6,152	6,429	277	4.50	277	368	645	High school diploma or equivalent	Less than 5 years	None	\$7.80	\$9.59	\$14.35
7	43-1011	First-Line Supervisors of Office and Administrative Support Workers	13,275	13,286	11	0.08	11	620	631	High school diploma or equivalent	Less than 5 years	None	\$9.72	\$14.87	\$25.51
8	43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,413	24,462	49	0.20	49	581	630	High school diploma or equivalent	None	Short-term on-the-job training	\$7.76	\$9.08	\$14.39
9	43-6013	Medical Secretaries	6,811	7,217	406	5.96	406	162	568	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.68	\$8.69	\$11.74
10	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	10,200	10,210	10	0.10	10	396	406	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.95	\$10.73	\$26.41

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

OCCUPATIONS REQUIRING LESS THAN A HIGH SCHOOL DIPLOMA WITH THE HIGHEST GROWTH RATES

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	12,191	12,921	730	5.99	730	1,168	1,898	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.46	\$9.35
2	31-1011	Home Health Aides	2,810	2,975	165	5.87	165	98	263	Less than high school	None	Short-term on-the-job training	\$7.62	\$8.57	\$12.46
3	35-2014	Cooks, Restaurant	6,124	6,472	348	5.68	348	244	592	Less than high school	Less than 5 years	Moderate-term on-the-job training	\$7.61	\$8.57	\$10.25
4	39-9021	Personal Care Aides	5,281	5,569	288	5.45	288	58	346	Less than high school	None	Short-term on-the-job training	\$7.56	\$8.37	\$9.18
5	53-3041	Taxi Drivers and Chauffeurs	2,179	2,272	93	4.27	93	38	131	Less than high school	None	Short-term on-the-job training	\$7.65	\$8.74	\$12.55
6	35-3011	Bartenders	1,582	1,649	67	4.24	67	115	182	Less than high school	None	Short-term on-the-job training	\$7.59	\$8.52	\$10.00
7	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,161	2,247	86	3.98	86	463	549	Less than high school	None	None	\$7.58	\$8.46	\$9.36
8	35-3031	Waiters and Waitresses	9,095	9,433	338	3.72	338	943	1,281	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.47	\$9.43
9	35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	933	966	33	3.54	33	105	138	Less than high school	None	Short-term on-the-job training	\$7.62	\$8.52	\$9.49
10	35-9021	Dishwashers	2,052	2,124	72	3.51	72	236	308	Less than high school	None	Short-term on-the-job training	\$7.59	\$8.49	\$9.48

*This table includes occupations with a minimum of 200 jobs in first quarter 2013.

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

OCCUPATIONS REQUIRING LESS THAN A HIGH SCHOOL DIPLOMA MOST OPENINGS OCCUPATIONS

FIRST QUARTER 2013 TO FIRST QUARTER 2015

Rank	SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
					Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
1	41-2011	Cashiers	31,909	32,441	532	1.67	532	3,429	3,961	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.53	\$9.40
2	41-2031	Retail Salespersons	42,514	42,974	460	1.08	460	3,129	3,589	Less than high school	None	Short-term on-the-job training	\$7.71	\$8.69	\$11.08
3	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	12,191	12,921	730	5.99	730	1,168	1,898	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.46	\$9.35
4	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	32,222	32,740	518	1.61	518	1,089	1,607	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.48	\$9.48
5	35-3031	Waiters and Waitresses	9,095	9,433	338	3.72	338	943	1,281	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.47	\$9.43
6	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	16,351	16,322	-29	-0.18	0	1,041	1,041	Less than high school	None	Short-term on-the-job training	\$7.68	\$8.76	\$13.54
7	35-2021	Food Preparation Workers	13,958	14,063	105	0.75	105	902	1,007	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.87	\$10.92
8	43-5081	Stock Clerks and Order Fillers	15,007	14,948	-59	-0.39	0	956	956	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.67	\$11.44
9	37-3011	Landscaping and Groundskeeping Workers	12,288	12,463	175	1.42	175	620	795	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.61	\$11.13
10	35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	3,610	3,701	91	2.52	91	694	785	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.44	\$9.27

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
00-0000	<i>Total, All Occupations</i>	1,059,244	1,061,020	1,776	0.17	13,112	49,410	62,522	NA	NA	NA	\$7.83	\$9.61	\$21.56
11-0000	<i>Management Occupations</i>	76,310	77,225	915	1.20	1,195	2,903	4,098	NA	NA	NA	\$14.59	\$27.65	\$58.80
11-1000	<i>Top Executives</i>	8,445	8,428	-17	-0.20	0	299	299	NA	NA	NA	NA	NA	NA
11-1011	Chief Executives	3,089	3,085	-4	-0.13	0	129	129	Bachelor's degree	5 years or more	None	\$25.43	\$47.11	NA
11-1021	General and Operations Managers	5,281	5,271	-10	-0.19	0	167	167	Bachelor's degree	Less than 5 years	None	\$15.94	\$32.77	\$76.53
11-1031	Legislators	75	72	-3	-4.00	0	3	3	Bachelor's degree	Less than 5 years	None	NA	NA	NA
11-2000	<i>Advertising, Marketing, Promotions, Public Relations, and Sales Managers</i>	3,254	3,278	24	0.74	24	131	155	NA	NA	NA	NA	NA	NA
11-2011	Advertising and Promotions Managers	269	273	4	1.49	4	15	19	Bachelor's degree	Less than 5 years	None	\$18.59	\$27.81	\$51.47
11-2021	Marketing Managers	739	751	12	1.62	12	29	41	Bachelor's degree	5 years or more	None	\$19.15	\$35.52	\$64.24
11-2022	Sales Managers	2,011	2,018	7	0.35	7	79	86	Bachelor's degree	Less than 5 years	None	\$18.70	\$33.30	\$61.52
11-2031	Public Relations and Fundraising Managers	235	236	1	0.43	1	8	9	Bachelor's degree	5 years or more	None	\$14.91	\$30.50	\$56.97
11-3000	<i>Operations Specialties Managers</i>	10,274	10,175	-99	-0.96	18	338	356	NA	NA	NA	NA	NA	NA
11-3011	Administrative Services Managers	2,407	2,416	9	0.37	9	63	72	Bachelor's degree	Less than 5 years	None	\$13.29	\$22.29	\$43.39
11-3021	Computer and Information Systems Managers	1,039	1,048	9	0.87	9	21	30	Bachelor's degree	5 years or more	None	\$19.15	\$33.27	\$56.82
11-3031	Financial Managers	3,587	3,567	-20	-0.56	0	120	120	Bachelor's degree	5 years or more	None	\$16.11	\$28.50	\$56.23
11-3051	Industrial Production Managers	1,175	1,102	-73	-6.21	0	39	39	Bachelor's degree	5 years or more	None	\$19.86	\$42.09	\$69.68
11-3061	Purchasing Managers	327	325	-2	-0.61	0	12	12	Bachelor's degree	5 years or more	None	\$14.71	\$26.50	\$53.87
11-3071	Transportation, Storage, and Distribution Managers	624	609	-15	-2.40	0	26	26	High school diploma or equivalent	5 years or more	None	\$12.10	\$31.21	\$58.86
11-3111	Compensation and Benefits Managers	83	81	-2	-2.41	0	4	4	Bachelor's degree	5 years or more	None	\$15.45	\$35.94	\$63.56
11-3121	Human Resources Managers	943	941	-2	-0.21	0	48	48	Bachelor's degree	5 years or more	None	\$15.81	\$27.83	\$56.86
11-3131	Training and Development Managers	89	86	-3	-3.37	0	5	5	Bachelor's degree	5 years or more	None	\$16.35	\$27.38	\$44.55
11-9000	<i>Other Management Occupations</i>	54,337	55,344	1,007	1.85	1,153	2,135	3,288	NA	NA	NA	NA	NA	NA
11-9021	Construction Managers	1,997	1,949	-48	-2.40	0	52	52	Bachelor's degree	None	Moderate-term on-the-job training	\$15.35	\$23.48	\$50.32
11-9031	Education Administrators, Preschool and Childcare Center/Program	243	244	1	0.41	1	13	14	Bachelor's degree	Less than 5 years	None	\$10.70	\$16.89	\$27.88

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
11-9032	Education Administrators, Elementary and Secondary School	2,093	2,042	-51	-2.44	0	111	111	Master's degree	5 years or more	None	NA	NA	NA
11-9033	Education Administrators, Postsecondary	1,244	1,259	15	1.21	15	66	81	Master's degree	5 years or more	None	\$13.10	\$21.34	\$38.30
11-9039	Education Administrators, All Other	366	367	1	0.27	1	19	20	Bachelor's degree	Less than 5 years	None	\$17.44	\$46.55	\$60.71
11-9041	Architectural and Engineering Managers	820	781	-39	-4.76	0	31	31	Bachelor's degree	5 years or more	None	\$21.44	\$44.36	\$70.79
11-9051	Food Service Managers	2,280	2,384	104	4.56	104	74	178	High school diploma or equivalent	Less than 5 years	None	\$12.07	\$14.26	\$21.33
11-9071	Gaming Managers	97	100	3	3.09	3	4	7	High school diploma or equivalent	Less than 5 years	None	\$12.68	\$19.34	\$43.59
11-9081	Lodging Managers	227	234	7	3.08	7	14	21	High school diploma or equivalent	Less than 5 years	None	\$15.00	\$23.46	\$44.41
11-9111	Medical and Health Services Managers	1,198	1,242	44	3.67	44	51	95	Bachelor's degree	None	None	\$16.29	\$26.09	\$58.44
11-9121	Natural Sciences Managers	77	74	-3	-3.90	0	3	3	Bachelor's degree	5 years or more	None	\$20.08	\$40.65	\$56.50
11-9131	Postmasters and Mail Superintendents	81	77	-4	-4.94	0	3	3	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	\$31.77	\$36.18	\$40.92
11-9141	Property, Real Estate, and Community Association Managers	691	707	16	2.32	16	29	45	High school diploma or equivalent	Less than 5 years	None	\$9.94	\$14.61	\$36.19
11-9151	Social and Community Service Managers	480	492	12	2.50	12	18	30	Bachelor's degree	5 years or more	None	\$10.55	\$19.00	\$33.34
11-9161	Emergency Management Directors	134	133	-1	-0.75	0	3	3	Bachelor's degree	5 years or more	None	\$9.18	\$14.87	\$26.50
11-9199	Managers, All Other	26,367	27,022	655	2.48	655	1,139	1,794	High school diploma or equivalent	Less than 5 years	None	\$13.09	\$26.29	\$49.59
13-0000	Business and Financial Operations Occupations	42,648	42,593	-55	-0.13	298	1,657	1,955	NA	NA	NA	\$8.92	\$15.34	\$31.59
13-1000	Business Operations Specialists	25,154	25,134	-20	-0.08	242	755	997	NA	NA	NA	NA	NA	NA
13-1021	Buyers and Purchasing Agents, Farm Products	144	146	2	1.39	2	5	7	High school diploma or equivalent	None	Long-term on-the-job training	\$9.73	\$13.38	\$30.61
13-1022	Wholesale and Retail Buyers, Except Farm Products	1,231	1,254	23	1.87	23	63	86	High school diploma or equivalent	None	Long-term on-the-job training	\$7.67	\$8.81	\$17.55
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	1,905	1,863	-42	-2.20	0	69	69	High school diploma or equivalent	None	Long-term on-the-job training	\$8.44	\$13.74	\$28.31

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
13-1031	Claims Adjusters, Examiners, and Investigators	1,386	1,398	12	0.87	12	60	72	High school diploma or equivalent	None	Long-term on-the-job training	\$10.42	\$17.43	\$33.56
13-1032	Insurance Appraisers, Auto Damage	114	113	-1	-0.88	0	5	5	Postsecondary non-degree award	None	Moderate-term on-the-job training	\$10.92	\$15.82	\$26.44
13-1041	Compliance Officers	3,094	3,041	-53	-1.71	0	86	86	Bachelor's degree	None	Moderate-term on-the-job training	\$9.16	\$18.27	\$36.56
13-1051	Cost Estimators	408	384	-24	-5.88	0	25	25	Bachelor's degree	None	None	\$9.21	\$15.88	\$28.02
13-1071	Human Resources Specialists	2,528	2,492	-36	-1.42	0	81	81	Bachelor's degree	None	None	\$9.48	\$14.82	\$27.60
13-1075	Labor Relations Specialists	282	276	-6	-2.13	0	9	9	Bachelor's degree	None	None	\$8.57	\$16.83	\$31.47
13-1081	Logisticians	409	410	1	0.24	1	7	8	Bachelor's degree	None	None	\$11.28	\$22.38	\$35.74
13-1111	Management Analysts	1,387	1,417	30	2.16	30	37	67	Bachelor's degree	Less than 5 years	None	\$13.28	\$26.01	\$43.15
13-1121	Meeting, Convention, and Event Planners	1,025	1,085	60	5.85	60	25	85	Bachelor's degree	None	None	\$11.20	\$27.71	\$36.60
13-1141	Compensation, Benefits, and Job Analysis Specialists	233	237	4	1.72	4	7	11	Bachelor's degree	None	None	\$8.89	\$16.20	\$34.32
13-1151	Training and Development Specialists	792	771	-21	-2.65	0	25	25	Bachelor's degree	Less than 5 years	None	\$9.12	\$15.08	\$25.25
13-1161	Market Research Analysts and Marketing Specialists	1,993	2,102	109	5.47	109	49	158	Bachelor's degree	None	None	\$8.68	\$16.23	\$37.81
13-1199	Business Operations Specialists, All Other	8,156	8,078	-78	-0.96	0	200	200	High school diploma or equivalent	None	None	\$8.96	\$14.06	\$27.91
13-2000	Financial Specialists	17,494	17,459	-35	-0.20	56	902	958	NA	NA	NA	NA	NA	NA
13-2011	Accountants and Auditors	10,079	10,114	35	0.35	35	584	619	Bachelor's degree	None	None	\$9.73	\$15.19	\$26.70
13-2021	Appraisers and Assessors of Real Estate	393	392	-1	-0.25	0	8	8	Bachelor's degree	None	Long-term on-the-job training	\$8.16	\$11.76	\$21.26
13-2031	Budget Analysts	493	476	-17	-3.45	0	36	36	Bachelor's degree	None	None	\$10.06	\$19.57	\$34.78
13-2041	Credit Analysts	416	416	0	0.00	0	22	22	Bachelor's degree	None	None	\$8.52	\$13.77	\$30.82
13-2051	Financial Analysts	1,053	1,040	-13	-1.23	0	48	48	Bachelor's degree	None	None	\$13.18	\$22.34	\$42.32
13-2052	Personal Financial Advisors	350	361	11	3.14	11	10	21	Bachelor's degree	None	None	\$12.08	\$17.29	\$50.77
13-2053	Insurance Underwriters	1,009	1,007	-2	-0.20	0	51	51	Bachelor's degree	None	Moderate-term on-the-job training	\$10.96	\$19.21	\$28.41

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
13-2061	Financial Examiners	286	279	-7	-2.45	0	14	14	Bachelor's degree	None	Moderate-term on-the-job training	\$8.26	\$17.26	\$36.09
13-2071	Credit Counselors	51	50	-1	-1.96	0	2	2	Bachelor's degree	None	Moderate-term on-the-job training	\$8.34	\$16.37	\$22.47
13-2072	Loan Officers	1,576	1,548	-28	-1.78	0	58	58	Bachelor's degree	None	Moderate-term on-the-job training	\$9.94	\$13.97	\$28.64
13-2081	Tax Examiners and Collectors, and Revenue Agents	665	649	-16	-2.41	0	44	44	Bachelor's degree	None	Moderate-term on-the-job training	\$7.67	\$8.83	\$26.62
13-2082	Tax Preparers	350	360	10	2.86	10	13	23	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.72	\$9.07	\$26.85
13-2099	Financial Specialists, All Other	773	767	-6	-0.78	0	12	12	Bachelor's degree	None	Moderate-term on-the-job training	\$8.39	\$13.26	\$28.29
15-0000	Computer and Mathematical Occupations	10,004	10,149	145	1.45	157	312	469	NA	NA	NA	\$9.13	\$17.93	\$34.85
15-1100	Computer Occupations	9,654	9,797	143	1.48	154	295	449	NA	NA	NA	NA	NA	NA
15-1121	Computer Systems Analysts	1,108	1,129	21	1.90	21	31	52	Bachelor's degree	None	None	\$13.56	\$22.16	\$39.72
15-1131	Computer Programmers	1,421	1,417	-4	-0.28	0	74	74	Bachelor's degree	None	None	\$12.02	\$20.82	\$32.20
15-1132	Software Developers, Applications	431	453	22	5.10	22	9	31	Bachelor's degree	None	None	\$13.04	\$21.30	\$31.86
15-1133	Software Developers, Systems Software	593	612	19	3.20	19	13	32	Bachelor's degree	None	None	\$19.19	\$31.78	\$47.96
15-1134	Web Developers	184	191	7	3.80	7	5	12	Associate's degree	None	None	\$12.11	\$18.36	\$23.77
15-1141	Database Administrators	350	350	0	0.00	0	10	10	Bachelor's degree	Less than 5 years	None	\$11.52	\$21.27	\$36.23
15-1142	Network and Computer Systems Administrators	910	911	1	0.11	1	25	26	Bachelor's degree	None	None	\$12.89	\$20.77	\$34.70
15-1143	Computer Network Architects	408	414	6	1.47	6	11	17	Bachelor's degree	5 years or more	None	\$14.16	\$21.53	\$37.12
15-1151	Computer User Support Specialists	2,945	3,016	71	2.41	71	81	152	Some college, no degree	None	Moderate-term on-the-job training	\$8.05	\$12.10	\$21.82
15-1152	Computer Network Support Specialists	533	527	-6	-1.13	0	15	15	Associate's degree	None	None	\$11.20	\$15.88	\$27.32
15-1199	Computer Occupations, All Other	603	602	-1	-0.17	0	17	17	Bachelor's degree	None	None	\$11.84	\$24.97	\$46.78
15-2000	Mathematical Science Occupations	350	352	2	0.57	3	17	20	NA	NA	NA	NA	NA	NA
15-2031	Operations Research Analysts	113	114	1	0.88	1	4	5	Bachelor's degree	None	None	\$9.47	\$26.06	\$45.30

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
15-2041	Statisticians	214	215	1	0.47	1	12	13	Master's degree	None	None	\$10.30	\$13.79	\$18.93
17-0000	Architecture and Engineering Occupations	13,555	13,125	-430	-3.17	42	605	647	NA	NA	NA	\$11.10	\$21.57	\$41.63
17-1000	Architects, Surveyors, and Cartographers	822	834	12	1.46	21	34	55	NA	NA	NA	NA	NA	NA
17-1011	Architects, Except Landscape and Naval	556	575	19	3.42	19	25	44	Bachelor's degree	None	Internship/residency	\$15.15	\$20.34	\$37.56
17-1022	Surveyors	163	155	-8	-4.91	0	5	5	Bachelor's degree	Less than 5 years	None	\$8.25	\$16.18	\$24.96
17-2000	Engineers	7,564	7,286	-278	-3.68	17	376	393	NA	NA	NA	NA	NA	NA
17-2011	Aerospace Engineers	80	84	4	5.00	4	3	7	Bachelor's degree	None	None	\$18.52	\$24.85	\$36.21
17-2021	Agricultural Engineers	37	37	0	0.00	0	2	2	Bachelor's degree	None	None	\$13.81	\$20.81	\$39.96
17-2031	Biomedical Engineers	31	32	1	3.23	1	1	2	Bachelor's degree	None	None	NA	NA	NA
17-2041	Chemical Engineers	124	126	2	1.61	2	6	8	Bachelor's degree	None	None	\$15.36	\$21.31	\$43.37
17-2051	Civil Engineers	2,156	2,077	-79	-3.66	0	97	97	Bachelor's degree	None	None	\$14.36	\$22.83	\$41.30
17-2061	Computer Hardware Engineers	176	158	-18	-10.23	0	8	8	Bachelor's degree	None	None	\$23.35	\$36.87	\$53.00
17-2071	Electrical Engineers	636	619	-17	-2.67	0	27	27	Bachelor's degree	None	None	\$19.76	\$31.43	\$42.77
17-2072	Electronics Engineers, Except Computer	297	299	2	0.67	2	13	15	Bachelor's degree	None	None	\$18.48	\$33.12	\$49.23
17-2081	Environmental Engineers	167	163	-4	-2.40	0	8	8	Bachelor's degree	None	None	\$15.85	\$36.66	\$54.39
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	77	77	0	0.00	0	4	4	Bachelor's degree	None	None	\$15.48	\$41.06	\$54.65
17-2112	Industrial Engineers	2,190	2,038	-152	-6.94	0	124	124	Bachelor's degree	None	None	\$18.51	\$32.35	\$47.58
17-2141	Mechanical Engineers	887	892	5	0.56	5	59	64	Bachelor's degree	None	None	\$16.38	\$23.36	\$43.05
17-2199	Engineers, All Other	654	630	-24	-3.67	0	22	22	Bachelor's degree	None	None	\$15.61	\$24.65	\$45.24
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	5,169	5,005	-164	-3.17	4	195	199	NA	NA	NA	NA	NA	NA
17-3011	Architectural and Civil Drafters	542	536	-6	-1.11	0	15	15	Associate's degree	None	None	\$8.14	\$12.14	\$18.73
17-3013	Mechanical Drafters	299	298	-1	-0.33	0	8	8	Associate's degree	None	None	\$9.96	\$14.46	\$23.76
17-3019	Drafters, All Other	133	133	0	0.00	0	4	4	Associate's degree	None	None	\$8.08	\$11.32	\$20.79
17-3022	Civil Engineering Technicians	139	131	-8	-5.76	0	6	6	Associate's degree	None	None	\$7.79	\$10.31	\$26.06
17-3023	Electrical and Electronics Engineering Technicians	1,476	1,444	-32	-2.17	0	60	60	Associate's degree	None	None	\$8.95	\$16.53	\$26.30

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
17-3024	Electro-Mechanical Technicians	45	43	-2	-4.44	0	2	2	Associate's degree	None	None	\$18.84	\$25.19	\$30.74
17-3025	Environmental Engineering Technicians	178	182	4	2.25	4	7	11	Associate's degree	None	None	\$8.11	\$12.21	\$33.62
17-3026	Industrial Engineering Technicians	1,394	1,301	-93	-6.67	0	56	56	Associate's degree	None	None	\$12.41	\$18.63	\$28.49
17-3027	Mechanical Engineering Technicians	149	148	-1	-0.67	0	6	6	Associate's degree	None	None	\$11.19	\$18.90	\$28.37
17-3029	Engineering Technicians, Except Drafters, All Other	580	564	-16	-2.76	0	23	23	Associate's degree	None	None	\$9.44	\$13.04	\$22.82
17-3031	Surveying and Mapping Technicians	161	154	-7	-4.35	0	6	6	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.97	\$10.45	\$18.65
19-0000	Life, Physical, and Social Science Occupations	7,340	7,193	-147	-2.00	52	414	466	NA	NA	NA	\$10.32	\$17.99	\$36.17
19-1000	Life Scientists	1,708	1,713	5	0.29	24	97	121	NA	NA	NA	NA	NA	NA
19-1012	Food Scientists and Technologists	422	442	20	4.74	20	27	47	Bachelor's degree	None	None	\$11.87	\$16.81	\$27.90
19-1022	Microbiologists	223	211	-12	-5.38	0	13	13	Bachelor's degree	None	None	\$9.51	\$20.58	\$34.64
19-1029	Biological Scientists, All Other	239	236	-3	-1.26	0	14	14	Bachelor's degree	None	None	\$12.84	\$28.51	\$38.59
19-1031	Conservation Scientists	34	34	0	0.00	0	2	2	Bachelor's degree	None	None	\$24.22	\$33.56	\$43.01
19-1041	Epidemiologists	55	56	1	1.82	1	2	3	Master's degree	None	None	\$13.24	\$16.85	\$22.07
19-1042	Medical Scientists, Except Epidemiologists	124	127	3	2.42	3	5	8	Doctoral or professional degree	None	None	\$12.40	\$30.55	\$74.96
19-1099	Life Scientists, All Other	177	175	-2	-1.13	0	7	7	Bachelor's degree	None	None	\$10.87	\$20.30	\$37.83
19-2000	Physical Scientists	2,315	2,184	-131	-5.66	0	122	122	NA	NA	NA	NA	NA	NA
19-2031	Chemists	1,504	1,391	-113	-7.51	0	81	81	Bachelor's degree	None	None	\$14.90	\$24.82	\$42.50
19-2041	Environmental Scientists and Specialists, Including Health	474	463	-11	-2.32	0	27	27	Bachelor's degree	None	None	\$9.92	\$14.50	\$29.32
19-2042	Geoscientists, Except Hydrologists and Geographers	70	65	-5	-7.14	0	4	4	Bachelor's degree	None	None	\$8.41	\$19.11	\$37.35
19-2099	Physical Scientists, All Other	232	230	-2	-0.86	0	8	8	Bachelor's degree	None	None	\$10.37	\$20.08	\$45.14
19-3000	Social Scientists and Related Workers	1,176	1,191	15	1.28	23	54	77	NA	NA	NA	NA	NA	NA
19-3011	Economists	84	81	-3	-3.57	0	5	5	Master's degree	None	None	\$9.90	\$16.28	\$27.21
19-3031	Clinical, Counseling, and School Psychologists	444	457	13	2.93	13	25	38	Doctoral or professional degree	None	Internship/residency	\$7.95	\$16.32	\$28.15

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
19-3039	Psychologists, All Other	256	265	9	3.52	9	14	23	Master's degree	None	Internship/residency	\$12.16	\$28.62	\$45.09
19-3051	Urban and Regional Planners	30	29	-1	-3.33	0	2	2	Master's degree	None	None	\$12.28	\$16.85	\$27.35
19-3099	Social Scientists and Related Workers, All Other	282	278	-4	-1.42	0	7	7	Bachelor's degree	None	None	\$11.28	\$19.15	\$40.64
19-4000	Life, Physical, and Social Science Technicians	2,141	2,105	-36	-1.68	5	141	146	NA	NA	NA	NA	NA	NA
19-4021	Biological Technicians	274	271	-3	-1.09	0	16	16	Bachelor's degree	None	None	\$10.74	\$15.06	\$21.76
19-4031	Chemical Technicians	728	694	-34	-4.67	0	39	39	Associate's degree	None	Moderate-term on-the-job training	\$9.62	\$16.52	\$25.10
19-4091	Environmental Science and Protection Technicians, Including Health	155	159	4	2.58	4	12	16	Associate's degree	None	None	\$8.07	\$11.26	\$22.82
19-4099	Life, Physical, and Social Science Technicians, All Other	559	559	0	0.00	0	45	45	Associate's degree	None	None	\$8.23	\$14.17	\$24.51
21-0000	Community and Social Service Occupations	17,812	17,761	-51	-0.29	100	786	886	NA	NA	NA	\$8.51	\$12.69	\$18.61
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	17,616	17,559	-57	-0.32	94	778	872	NA	NA	NA	NA	NA	NA
21-1012	Educational, Guidance, School, and Vocational Counselors	1,796	1,808	12	0.67	12	72	84	Master's degree	None	None	\$10.38	\$16.32	\$21.50
21-1014	Mental Health Counselors	135	140	5	3.70	5	5	10	Master's degree	None	Internship/residency	\$7.96	\$9.81	\$18.07
21-1015	Rehabilitation Counselors	448	452	4	0.89	4	18	22	Master's degree	None	None	\$9.83	\$13.41	\$18.34
21-1019	Counselors, All Other	512	520	8	1.56	8	21	29	Master's degree	None	None	\$8.32	\$13.68	\$25.92
21-1021	Child, Family, and School Social Workers	4,610	4,566	-44	-0.95	0	189	189	Bachelor's degree	None	None	\$10.04	\$15.19	\$19.48
21-1022	Healthcare Social Workers	663	694	31	4.68	31	27	58	Master's degree	None	None	\$8.43	\$12.72	\$17.88
21-1023	Mental Health and Substance Abuse Social Workers	342	357	15	4.39	15	14	29	Bachelor's degree	None	None	\$7.83	\$9.43	\$22.00
21-1029	Social Workers, All Other	1,189	1,185	-4	-0.34	0	49	49	Bachelor's degree	None	None	\$8.85	\$12.15	\$21.56
21-1091	Health Educators	523	531	8	1.53	8	25	33	Bachelor's degree	None	None	\$8.71	\$12.59	\$20.68
21-1093	Social and Human Service Assistants	5,173	5,101	-72	-1.39	0	251	251	High school diploma or equivalent	None	Short-term on-the-job training	\$8.01	\$10.78	\$14.17
21-1094	Community Health Workers	212	218	6	2.83	6	10	16	High school diploma or equivalent	None	Short-term on-the-job training	\$8.45	\$13.21	\$22.12
21-1099	Community and Social Service Specialists, All Other	1,360	1,353	-7	-0.51	0	66	66	Master's degree	None	None	\$8.19	\$11.98	\$18.03
21-2000	Religious Workers	196	202	6	3.06	6	8	14	NA	NA	NA	NA	NA	NA

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
23-0000	Legal Occupations	6,170	6,253	83	1.35	99	184	283	NA	NA	NA	\$11.16	\$24.71	\$44.62
23-1000	Lawyers, Judges, and Related Workers	4,869	4,934	65	1.33	79	145	224	NA	NA	NA	NA	NA	NA
23-1011	Lawyers	4,321	4,400	79	1.83	79	128	207	Doctoral or professional degree	None	None	\$14.83	\$26.25	\$48.09
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	57	56	-1	-1.75	0	2	2	Doctoral or professional degree	Less than 5 years	Short-term on-the-job training	\$23.52	\$34.47	\$70.14
23-1022	Arbitrators, Mediators, and Conciliators	95	95	0	0.00	0	3	3	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training	\$12.24	\$17.80	\$25.13
23-1023	Judges, Magistrate Judges, and Magistrates	396	383	-13	-3.28	0	12	12	Doctoral or professional degree	5 years or more	Short-term on-the-job training	\$33.25	\$40.54	\$45.64
23-2000	Legal Support Workers	1,301	1,319	18	1.38	20	39	59	NA	NA	NA	NA	NA	NA
23-2011	Paralegals and Legal Assistants	636	648	12	1.89	12	19	31	Associate's degree	None	None	\$8.14	\$15.25	\$29.44
23-2099	Legal Support Workers, All Other	235	236	1	0.43	1	7	8	High school diploma or equivalent	None	Short-term on-the-job training	\$10.59	\$21.23	\$32.69
25-0000	Education, Training, and Library Occupations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25-1011	Business Teachers, Postsecondary	474	479	5	1.05	5	13	18	Doctoral or professional degree	None	None	NA	NA	NA
25-1021	Computer Science Teachers, Postsecondary	392	394	2	0.51	2	11	13	Doctoral or professional degree	None	None	NA	NA	NA
25-1022	Mathematical Science Teachers, Postsecondary	117	118	1	0.85	1	3	4	Doctoral or professional degree	None	None	NA	NA	NA
25-1032	Engineering Teachers, Postsecondary	78	79	1	1.28	1	2	3	Doctoral or professional degree	None	None	NA	NA	NA
25-1042	Biological Science Teachers, Postsecondary	188	191	3	1.60	3	5	8	Doctoral or professional degree	None	None	NA	NA	NA
25-1052	Chemistry Teachers, Postsecondary	44	45	1	2.27	1	1	2	Doctoral or professional degree	None	None	NA	NA	NA
25-1066	Psychology Teachers, Postsecondary	110	111	1	0.91	1	3	4	Doctoral or professional degree	None	None	NA	NA	NA
25-1067	Sociology Teachers, Postsecondary	100	101	1	1.00	1	3	4	Doctoral or professional degree	None	None	NA	NA	NA

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
25-1069	Social Sciences Teachers, Postsecondary, All Other	133	134	1	0.75	1	4	5	Doctoral or professional degree	None	None	NA	NA	NA
25-1071	Health Specialties Teachers, Postsecondary	1,328	1,392	64	4.82	64	37	101	Doctoral or professional degree	Less than 5 years	None	NA	NA	NA
25-1072	Nursing Instructors and Teachers, Postsecondary	701	734	33	4.71	33	19	52	Master's degree	Less than 5 years	None	NA	NA	NA
25-1081	Education Teachers, Postsecondary	464	468	4	0.86	4	13	17	Doctoral or professional degree	None	None	NA	NA	NA
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	34	34	0	0.00	0	1	1	Doctoral or professional degree	None	None	NA	NA	NA
25-1112	Law Teachers, Postsecondary	183	186	3	1.64	3	5	8	Doctoral or professional degree	None	None	NA	NA	NA
25-1113	Social Work Teachers, Postsecondary	44	44	0	0.00	0	1	1	Doctoral or professional degree	None	None	NA	NA	NA
25-1121	Art, Drama, and Music Teachers, Postsecondary	265	264	-1	-0.38	0	7	7	Master's degree	None	None	NA	NA	NA
25-1123	English Language and Literature Teachers, Postsecondary	141	142	1	0.71	1	4	5	Doctoral or professional degree	None	None	NA	NA	NA
25-1124	Foreign Language and Literature Teachers, Postsecondary	136	138	2	1.47	2	4	6	Doctoral or professional degree	None	None	NA	NA	NA
25-1126	Philosophy and Religion Teachers, Postsecondary	56	57	1	1.79	1	2	3	Doctoral or professional degree	None	None	NA	NA	NA
25-1191	Graduate Teaching Assistants	78	78	0	0.00	0	2	2	Bachelor's degree	None	None	NA	NA	NA
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	54	54	0	0.00	0	1	1	Doctoral or professional degree	None	None	NA	NA	NA
25-1194	Vocational Education Teachers, Postsecondary	1,889	1,897	8	0.42	8	52	60	Bachelor's degree	Less than 5 years	None	\$9.72	\$13.82	\$18.23
25-1199	Postsecondary Teachers, All Other	5,713	5,746	33	0.58	33	158	191	Doctoral or professional degree	None	None	NA	NA	NA
25-2011	Preschool Teachers, Except Special Education	3,455	3,486	31	0.90	31	190	221	Associate's degree	None	None	\$8.19	\$10.51	\$13.46
25-2012	Kindergarten Teachers, Except Special Education	138	139	1	0.72	1	8	9	Bachelor's degree	None	Internship/residency	NA	NA	NA
25-2022	Middle School Teachers, Except Special and Career/Technical Education	768	772	4	0.52	4	33	37	Bachelor's degree	None	Internship/residency	NA	NA	NA

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
25-2032	Career/Technical Education Teachers, Secondary School	1,317	1,307	-10	-0.76	0	72	72	Bachelor's degree	Less than 5 years	Internship/residency	NA	NA	NA
25-2059	Special Education Teachers, All Other	7,908	7,869	-39	-0.49	0	255	255	Bachelor's degree	None	Internship/residency	NA	NA	NA
25-3021	Self-Enrichment Education Teachers	595	612	17	2.86	17	19	36	High school diploma or equivalent	Less than 5 years	None	\$8.08	\$12.46	\$20.92
25-3099	Teachers and Instructors, All Other	12,053	12,068	15	0.12	15	389	404	Bachelor's degree	None	Internship/residency	NA	NA	NA
25-4013	Museum Technicians and Conservators	44	44	0	0.00	0	2	2	Bachelor's degree	None	None	\$8.98	\$15.02	\$27.11
25-4021	Librarians	2,202	2,197	-5	-0.23	0	105	105	Master's degree	None	None	\$10.48	\$15.72	\$21.31
25-4031	Library Technicians	798	796	-2	-0.25	0	95	95	Postsecondary non-degree award	None	None	\$7.75	\$9.15	\$16.08
25-9011	Audio-Visual and Multimedia Collections Specialists	158	156	-2	-1.27	0	2	2	Bachelor's degree	Less than 5 years	None	\$11.28	\$16.78	\$21.59
25-9021	Farm and Home Management Advisors	213	211	-2	-0.94	0	2	2	Master's degree	None	None	\$9.48	\$14.57	\$30.75
25-9031	Instructional Coordinators	904	917	13	1.44	13	9	22	Master's degree	5 years or more	None	\$8.65	\$13.59	\$21.69
25-9099	Education, Training, and Library Workers, All Other	255	255	0	0.00	0	3	3	Bachelor's degree	None	None	\$9.67	\$15.56	\$21.76
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	10,657	10,858	201	1.89	227	438	665	NA	NA	NA	\$8.10	\$12.82	\$27.82
27-1000	Art and Design Workers	3,714	3,790	76	2.05	76	189	265	NA	NA	NA	NA	NA	NA
27-1011	Art Directors	679	704	25	3.68	25	33	58	Bachelor's degree	5 years or more	None	\$15.36	\$26.60	\$44.85
27-1012	Craft Artists	56	57	1	1.79	1	3	4	High school diploma or equivalent	None	Long-term on-the-job training	NA	NA	NA
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	190	200	10	5.26	10	9	19	High school diploma or equivalent	None	Long-term on-the-job training	NA	NA	NA
27-1014	Multimedia Artists and Animators	150	157	7	4.67	7	7	14	Bachelor's degree	None	Moderate-term on-the-job training	\$9.09	\$17.89	\$23.19
27-1019	Artists and Related Workers, All Other	34	35	1	2.94	1	2	3	High school diploma or equivalent	None	Long-term on-the-job training	NA	NA	NA
27-1021	Commercial and Industrial Designers	62	64	2	3.23	2	3	5	Bachelor's degree	None	None	\$13.00	\$17.12	\$30.44
27-1023	Floral Designers	246	252	6	2.44	6	13	19	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.68	\$8.69	\$12.24

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
27-1024	Graphic Designers	1,464	1,473	9	0.61	9	76	85	Bachelor's degree	None	None	\$8.65	\$12.65	\$21.13
27-1025	Interior Designers	159	159	0	0.00	0	8	8	Bachelor's degree	None	None	\$8.30	\$14.32	\$35.35
27-1026	Merchandise Displayers and Window Trimmers	619	633	14	2.26	14	32	46	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.88	\$9.70	\$12.13
27-2000	Entertainers and Performers, Sports and Related Workers	1,392	1,410	18	1.29	19	76	95	NA	NA	NA	NA	NA	NA
27-2012	Producers and Directors	437	441	4	0.92	4	27	31	Bachelor's degree	Less than 5 years	None	\$8.73	\$19.39	\$35.92
27-2022	Coaches and Scouts	242	246	4	1.65	4	15	19	Bachelor's degree	None	None	NA	NA	NA
27-2041	Music Directors and Composers	30	30	0	0.00	0	2	2	Bachelor's degree	Less than 5 years	None	NA	NA	NA
27-2042	Musicians and Singers	423	426	3	0.71	3	22	25	High school diploma or equivalent	None	Long-term on-the-job training	NA	NA	NA
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	139	143	4	2.88	4	3	7	High school diploma or equivalent	None	None	\$7.45	\$8.25	\$9.05
27-3000	Media and Communication Workers	3,280	3,374	94	2.87	104	121	225	NA	NA	NA	NA	NA	NA
27-3011	Radio and Television Announcers	207	202	-5	-2.42	0	7	7	Bachelor's degree	None	None	\$7.74	\$9.06	\$19.83
27-3021	Broadcast News Analysts	71	66	-5	-7.04	0	5	5	Bachelor's degree	None	None	\$7.92	\$9.53	\$25.69
27-3022	Reporters and Correspondents	409	419	10	2.44	10	27	37	Bachelor's degree	None	None	\$10.77	\$18.57	\$29.90
27-3031	Public Relations Specialists	985	986	1	0.10	1	24	25	Bachelor's degree	None	None	\$8.30	\$14.10	\$34.72
27-3041	Editors	366	376	10	2.73	10	18	28	Bachelor's degree	Less than 5 years	None	\$10.66	\$18.80	\$37.26
27-3042	Technical Writers	114	117	3	2.63	3	6	9	Bachelor's degree	Less than 5 years	Short-term on-the-job training	\$11.87	\$15.16	\$31.93
27-3043	Writers and Authors	549	578	29	5.28	29	22	51	Bachelor's degree	None	Moderate-term on-the-job training	\$11.80	\$20.15	\$33.85
27-3091	Interpreters and Translators	489	538	49	10.02	49	10	59	Bachelor's degree	None	Short-term on-the-job training	\$12.02	\$13.61	\$22.08
27-4000	Media and Communication Equipment Workers	2,271	2,284	13	0.57	28	52	80	NA	NA	NA	NA	NA	NA
27-4011	Audio and Video Equipment Technicians	454	456	2	0.44	2	15	17	Postsecondary non-degree award	None	Short-term on-the-job training	\$7.89	\$10.41	\$17.81
27-4012	Broadcast Technicians	204	196	-8	-3.92	0	7	7	Associate's degree	None	Short-term on-the-job training	\$7.95	\$12.06	\$22.16

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
27-4013	Radio Operators	219	215	-4	-1.83	0	7	7	High school diploma or equivalent	None	Short-term on-the-job training	\$7.66	\$8.77	\$13.26
27-4014	Sound Engineering Technicians	43	43	0	0.00	0	1	1	Postsecondary non-degree award	None	Short-term on-the-job training	\$7.98	\$18.98	\$28.52
27-4021	Photographers	928	954	26	2.80	26	17	43	High school diploma or equivalent	None	Long-term on-the-job training	\$7.86	\$11.45	\$21.68
27-4031	Camera Operators, Television, Video, and Motion Picture	228	227	-1	-0.44	0	2	2	Bachelor's degree	None	None	\$8.34	\$13.99	\$21.02
27-4032	Film and Video Editors	102	100	-2	-1.96	0	1	1	Bachelor's degree	None	None	\$11.52	\$17.84	\$29.11
27-4099	Media and Communication Equipment Workers, All Other	93	93	0	0.00	0	2	2	High school diploma or equivalent	None	Short-term on-the-job training	\$7.92	\$10.72	\$43.67
29-0000	Healthcare Practitioners and Technical Occupations	47,896	49,250	1,354	2.83	1,370	1,723	3,093	NA	NA	NA	\$8.32	\$13.58	\$29.67
29-1000	Health Diagnosing and Treating Practitioners	28,266	29,053	787	2.78	787	1,026	1,813	NA	NA	NA	NA	NA	NA
29-1029	Dentists, All Other Specialists	50	51	1	2.00	1	2	3	Doctoral or professional degree	None	Internship/residency	\$20.29	\$82.83	NA
29-1031	Dietitians and Nutritionists	735	752	17	2.31	17	13	30	Bachelor's degree	None	Internship/residency	\$8.82	\$14.98	\$21.73
29-1041	Optometrists	57	60	3	5.26	3	4	7	Doctoral or professional degree	None	None	\$19.08	\$23.38	\$44.82
29-1051	Pharmacists	1,960	2,039	79	4.03	79	90	169	Doctoral or professional degree	None	None	\$19.97	\$37.63	\$53.82
29-1062	Family and General Practitioners	1,097	1,111	14	1.28	14	52	66	Doctoral or professional degree	None	Internship/residency	\$22.04	\$32.02	\$52.21
29-1063	Internists, General	229	234	5	2.18	5	11	16	Doctoral or professional degree	None	Internship/residency	\$25.48	\$46.83	NA
29-1064	Obstetricians and Gynecologists	85	88	3	3.53	3	4	7	Doctoral or professional degree	None	Internship/residency	\$37.14	\$43.64	NA
29-1065	Pediatricians, General	245	254	9	3.67	9	12	21	Doctoral or professional degree	None	Internship/residency	\$17.40	\$29.32	\$36.74
29-1066	Psychiatrists	107	112	5	4.67	5	5	10	Doctoral or professional degree	None	Internship/residency	\$35.85	\$67.30	NA

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
29-1069	Physicians and Surgeons, All Other	1,221	1,235	14	1.15	14	58	72	Doctoral or professional degree	None	Internship/residency	\$11.49	\$43.06	NA
29-1122	Occupational Therapists	279	286	7	2.51	7	4	11	Master's degree	None	None	\$8.41	\$13.90	\$32.13
29-1123	Physical Therapists	599	623	24	4.01	24	29	53	Doctoral or professional degree	None	None	\$8.49	\$17.34	\$32.28
29-1125	Recreational Therapists	77	79	2	2.60	2	3	5	Bachelor's degree	None	None	\$8.42	\$11.83	\$30.53
29-1126	Respiratory Therapists	508	524	16	3.15	16	11	27	Associate's degree	None	None	\$7.78	\$9.20	\$15.16
29-1127	Speech-Language Pathologists	81	83	2	2.47	2	2	4	Master's degree	None	None	\$9.31	\$16.15	\$41.37
29-1129	Therapists, All Other	136	140	4	2.94	4	3	7	Bachelor's degree	None	None	\$11.86	\$13.29	\$14.92
29-1141	Registered Nurses	17,970	18,451	481	2.68	481	610	1,091	Associate's degree	None	None	\$11.82	\$14.73	\$21.16
29-1151	Nurse Anesthetists	264	271	7	2.65	7	9	16	Master's degree	None	None	\$19.05	\$26.10	\$37.12
29-1171	Nurse Practitioners	1,155	1,190	35	3.03	35	39	74	Master's degree	None	None	\$7.89	\$9.63	\$14.41
29-1199	Health Diagnosing and Treating Practitioners, All Other	155	159	4	2.58	4	6	10	Master's degree	None	None	\$23.67	\$31.64	\$42.36
29-2000	Health Technologists and Technicians	18,853	19,430	577	3.06	578	663	1,241	NA	NA	NA	NA	NA	NA
29-2011	Medical and Clinical Laboratory Technologists	2,199	2,259	60	2.73	60	108	168	Bachelor's degree	None	None	\$10.14	\$14.08	\$22.03
29-2012	Medical and Clinical Laboratory Technicians	550	581	31	5.64	31	27	58	Associate's degree	None	None	\$8.10	\$11.54	\$15.43
29-2031	Cardiovascular Technologists and Technicians	346	364	18	5.20	18	8	26	Associate's degree	None	None	\$7.95	\$11.68	\$17.56
29-2032	Diagnostic Medical Sonographers	238	257	19	7.98	19	5	24	Associate's degree	None	None	\$9.00	\$12.28	\$16.49
29-2033	Nuclear Medicine Technologists	189	197	8	4.23	8	4	12	Associate's degree	None	None	\$11.04	\$16.96	\$22.49
29-2034	Radiologic Technologists	1,240	1,281	41	3.31	41	28	69	Associate's degree	None	None	\$8.15	\$11.17	\$18.40
29-2035	Magnetic Resonance Imaging Technologists	124	127	3	2.42	3	3	6	Associate's degree	Less than 5 years	None	\$10.09	\$13.94	\$18.04
29-2041	Emergency Medical Technicians and Paramedics	1,732	1,731	-1	-0.06	0	86	86	Postsecondary non-degree award	None	None	\$7.83	\$9.64	\$14.15
29-2051	Dietetic Technicians	88	92	4	4.55	4	1	5	Associate's degree	None	None	\$8.11	\$11.58	\$18.45
29-2052	Pharmacy Technicians	3,457	3,654	197	5.70	197	55	252	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.76	\$9.12	\$12.85

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
29-2053	Psychiatric Technicians	91	91	0	0.00	0	1	1	Postsecondary non-degree award	None	Short-term on-the-job training	\$7.74	\$8.86	\$21.32
29-2054	Respiratory Therapy Technicians	426	440	14	3.29	14	7	21	Associate's degree	None	Moderate-term on-the-job training	\$7.71	\$8.94	\$12.72
29-2055	Surgical Technologists	778	810	32	4.11	32	12	44	Postsecondary non-degree award	None	None	\$7.71	\$8.91	\$13.76
29-2056	Veterinary Technologists and Technicians	108	111	3	2.78	3	2	5	Associate's degree	None	None	\$8.47	\$11.23	\$23.40
29-2057	Ophthalmic Medical Technicians	587	614	27	4.60	27	9	36	Postsecondary non-degree award	None	None	\$8.99	\$10.91	\$18.01
29-2061	Licensed Practical and Licensed Vocational Nurses	4,389	4,427	38	0.87	38	204	242	Postsecondary non-degree award	None	None	\$7.78	\$9.29	\$14.44
29-2071	Medical Records and Health Information Technicians	1,288	1,329	41	3.18	41	64	105	Postsecondary non-degree award	None	None	\$7.73	\$9.04	\$15.05
29-2081	Opticians, Dispensing	622	652	30	4.82	30	32	62	High school diploma or equivalent	None	Long-term on-the-job training	\$8.00	\$10.93	\$21.35
29-2091	Orthotists and Prosthetists	48	53	5	10.42	5	1	6	Master's degree	None	Internship/residency	\$8.29	\$18.33	\$36.43
29-2099	Health Technologists and Technicians, All Other	333	340	7	2.10	7	5	12	High school diploma or equivalent	None	None	\$8.12	\$13.51	\$25.11
29-9000	Other Healthcare Practitioners and Technical Occupations	777	767	-10	-1.29	5	34	39	NA	NA	NA	NA	NA	NA
29-9011	Occupational Health and Safety Specialists	560	546	-14	-2.50	0	25	25	Bachelor's degree	None	Short-term on-the-job training	\$9.97	\$17.42	\$31.14
29-9099	Healthcare Practitioners and Technical Workers, All Other	101	105	4	3.96	4	4	8	Bachelor's degree	None	None	\$8.03	\$17.38	\$47.20
31-0000	Healthcare Support Occupations	12,950	13,471	521	4.02	531	456	987	NA	NA	NA	\$7.68	\$8.92	\$13.72
31-1000	Nursing, Psychiatric, and Home Health Aides	4,586	4,813	227	4.95	227	160	387	NA	NA	NA	NA	NA	NA
31-1011	Home Health Aides	2,810	2,975	165	5.87	165	98	263	Less than high school	None	Short-term on-the-job training	\$7.62	\$8.57	\$12.46
31-1014	Nursing Assistants	1,065	1,102	37	3.47	37	37	74	Postsecondary non-degree award	None	None	\$7.71	\$8.96	\$16.23
31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	557	590	33	5.92	33	23	56	NA	NA	NA	NA	NA	NA
31-2012	Occupational Therapy Aides	34	34	0	0.00	0	2	2	High school diploma or equivalent	None	Short-term on-the-job training	\$8.37	\$11.45	\$14.13

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
31-2021	Physical Therapist Assistants	430	456	26	6.05	26	17	43	Associate's degree	None	None	\$7.89	\$10.06	\$14.20
31-2022	Physical Therapist Aides	76	82	6	7.89	6	3	9	High school diploma or equivalent	None	Short-term on-the-job training	\$7.78	\$9.22	\$17.73
31-9000	Other Healthcare Support Occupations	7,807	8,068	261	3.34	271	273	544	NA	NA	NA	NA	NA	NA
31-9091	Dental Assistants	2,433	2,526	93	3.82	93	93	186	Postsecondary non-degree award	None	None	\$7.58	\$8.46	\$9.37
31-9092	Medical Assistants	665	697	32	4.81	32	23	55	Postsecondary non-degree award	None	None	\$8.17	\$12.84	\$24.53
31-9094	Medical Transcriptionists	238	241	3	1.26	3	8	11	Postsecondary non-degree award	None	None	\$8.57	\$11.95	\$16.74
31-9095	Pharmacy Aides	2,491	2,594	103	4.13	103	86	189	High school diploma or equivalent	None	Short-term on-the-job training	\$7.74	\$9.33	\$11.29
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	325	329	4	1.23	4	11	15	High school diploma or equivalent	None	Short-term on-the-job training	\$7.66	\$8.96	\$10.95
31-9097	Phlebotomists	482	508	26	5.39	26	17	43	Postsecondary non-degree award	None	None	\$7.83	\$10.09	\$14.28
31-9099	Healthcare Support Workers, All Other	759	749	-10	-1.32	0	26	26	High school diploma or equivalent	None	None	\$8.05	\$10.54	\$20.40
33-0000	Protective Service Occupations	60,731	60,852	121	0.20	957	2,829	3,786	NA	NA	NA	\$7.82	\$10.02	\$16.05
33-1000	Supervisors of Protective Service Workers	3,714	3,661	-53	-1.43	19	214	233	NA	NA	NA	NA	NA	NA
33-1011	First-Line Supervisors of Correctional Officers	43	42	-1	-2.33	0	2	2	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	\$18.90	\$24.68	\$35.87
33-1012	First-Line Supervisors of Police and Detectives	2,513	2,449	-64	-2.55	0	154	154	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	\$11.26	\$15.96	\$18.98
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	184	177	-7	-3.80	0	14	14	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training	\$12.24	\$15.01	\$18.57
33-1099	First-Line Supervisors of Protective Service Workers, All Other	974	993	19	1.95	19	44	63	High school diploma or equivalent	Less than 5 years	None	\$7.97	\$12.13	\$22.00
33-2000	Fire Fighting and Prevention Workers	1,455	1,405	-50	-3.44	0	74	74	NA	NA	NA	NA	NA	NA
33-3000	Law Enforcement Workers	23,998	23,310	-688	-2.87	0	1,397	1,397	NA	NA	NA	NA	NA	NA
33-3011	Bailiffs	883	854	-29	-3.28	0	45	45	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.89	\$14.83	\$18.19

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
33-3012	Correctional Officers and Jailers	5,033	4,863	-170	-3.38	0	259	259	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.60	\$12.69	\$14.39
33-3051	Police and Sheriff's Patrol Officers	17,429	16,943	-486	-2.79	0	1,069	1,069	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.34	\$13.23	\$16.73
33-9000	Other Protective Service Workers	31,564	32,476	912	2.89	938	1,144	2,082	NA	NA	NA	NA	NA	NA
33-9031	Gaming Surveillance Officers and Gaming Investigators	125	127	2	1.60	2	4	6	High school diploma or equivalent	None	Short-term on-the-job training	\$7.69	\$8.92	\$12.67
33-9032	Security Guards	29,489	30,397	908	3.08	908	832	1,740	High school diploma or equivalent	None	Short-term on-the-job training	\$7.61	\$8.49	\$9.41
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	141	141	0	0.00	0	30	30	High school diploma or equivalent	None	Short-term on-the-job training	\$7.63	\$8.82	\$12.74
33-9093	Transportation Security Screeners	492	512	20	4.07	20	26	46	High school diploma or equivalent	None	Short-term on-the-job training	\$14.01	\$16.80	\$19.38
33-9099	Protective Service Workers, All Other	1,141	1,115	-26	-2.28	0	241	241	High school diploma or equivalent	None	Short-term on-the-job training	\$7.96	\$11.82	\$16.65
35-0000	Food Preparation and Serving Related Occupations	69,497	71,976	2,479	3.57	2,482	5,707	8,189	NA	NA	NA	\$7.61	\$8.60	\$10.70
35-1000	Supervisors of Food Preparation and Serving Workers	6,800	7,101	301	4.43	301	387	688	NA	NA	NA	NA	NA	NA
35-1011	Chefs and Head Cooks	648	672	24	3.70	24	19	43	High school diploma or equivalent	5 years or more	None	\$7.78	\$11.62	\$32.02
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	6,152	6,429	277	4.50	277	368	645	High school diploma or equivalent	Less than 5 years	None	\$7.80	\$9.59	\$14.35
35-2000	Cooks and Food Preparation Workers	30,806	31,565	759	2.46	760	1,573	2,333	NA	NA	NA	NA	NA	NA
35-2011	Cooks, Fast Food	6,734	6,951	217	3.22	217	269	486	Less than high school	None	Short-term on-the-job training	\$7.55	\$8.37	\$9.19
35-2012	Cooks, Institution and Cafeteria	3,695	3,776	81	2.19	81	147	228	Less than high school	None	Short-term on-the-job training	\$7.61	\$8.54	\$10.06
35-2014	Cooks, Restaurant	6,124	6,472	348	5.68	348	244	592	Less than high school	Less than 5 years	Moderate-term on-the-job training	\$7.61	\$8.57	\$10.25
35-2015	Cooks, Short Order	283	292	9	3.18	9	11	20	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.66	\$10.93
35-2021	Food Preparation Workers	13,958	14,063	105	0.75	105	902	1,007	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.87	\$10.92
35-3000	Food and Beverage Serving Workers	26,656	27,886	1,230	4.61	1,230	2,930	4,160	NA	NA	NA	NA	NA	NA
35-3011	Bartenders	1,582	1,649	67	4.24	67	115	182	Less than high school	None	Short-term on-the-job training	\$7.59	\$8.52	\$10.00

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	12,191	12,921	730	5.99	730	1,168	1,898	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.46	\$9.35
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	3,610	3,701	91	2.52	91	694	785	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.44	\$9.27
35-3031	Waiters and Waitresses	9,095	9,433	338	3.72	338	943	1,281	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.47	\$9.43
35-9000	Other Food Preparation and Serving Related Workers	5,235	5,424	189	3.61	191	817	1,008	NA	NA	NA	NA	NA	NA
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	933	966	33	3.54	33	105	138	Less than high school	None	Short-term on-the-job training	\$7.62	\$8.52	\$9.49
35-9021	Dishwashers	2,052	2,124	72	3.51	72	236	308	Less than high school	None	Short-term on-the-job training	\$7.59	\$8.49	\$9.48
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,161	2,247	86	3.98	86	463	549	Less than high school	None	None	\$7.58	\$8.46	\$9.36
35-9099	Food Preparation and Serving Related Workers, All Other	89	87	-2	-2.25	0	13	13	Less than high school	None	Short-term on-the-job training	\$7.71	\$8.93	\$13.50
37-0000	Building and Grounds Cleaning and Maintenance Occupations	55,781	56,720	939	1.68	942	2,108	3,050	NA	NA	NA	\$7.59	\$8.55	\$11.04
37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	5,086	5,235	149	2.93	149	153	302	NA	NA	NA	NA	NA	NA
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	2,623	2,713	90	3.43	90	109	199	High school diploma or equivalent	Less than 5 years	None	\$7.81	\$9.99	\$17.31
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	2,463	2,522	59	2.40	59	44	103	High school diploma or equivalent	Less than 5 years	None	\$8.01	\$12.35	\$23.52
37-2000	Building Cleaning and Pest Control Workers	37,436	38,052	616	1.65	616	1,286	1,902	NA	NA	NA	NA	NA	NA
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	32,222	32,740	518	1.61	518	1,089	1,607	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.48	\$9.48
37-2012	Maids and Housekeeping Cleaners	4,763	4,860	97	2.04	97	173	270	Less than high school	None	Short-term on-the-job training	\$7.61	\$8.61	\$10.59
37-2021	Pest Control Workers	451	452	1	0.22	1	24	25	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.87	\$9.97	\$16.97
37-3000	Grounds Maintenance Workers	13,259	13,433	174	1.31	177	669	846	NA	NA	NA	NA	NA	NA
37-3011	Landscaping and Groundskeeping Workers	12,288	12,463	175	1.42	175	620	795	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.61	\$11.13
37-3013	Tree Trimmers and Pruners	693	690	-3	-0.43	0	35	35	High school diploma or equivalent	None	Short-term on-the-job training	\$7.93	\$15.28	\$17.75
39-0000	Personal Care and Service Occupations	20,530	21,228	698	3.40	714	846	1,560	NA	NA	NA	\$7.61	\$8.58	\$11.37
39-1000	Supervisors of Personal Care and Service Workers	2,380	2,459	79	3.32	79	79	158	NA	NA	NA	NA	NA	NA
39-1011	Gaming Supervisors	377	391	14	3.71	14	14	28	High school diploma or equivalent	Less than 5 years	None	\$9.26	\$14.30	\$22.78

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation*		Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
	SOC Title				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
39-1012	Slot Supervisors		230	237	7	3.04	7	8	15	High school diploma or equivalent	Less than 5 years	None	\$8.29	\$11.85	\$21.23
39-1021	First-Line Supervisors of Personal Service Workers		1,773	1,831	58	3.27	58	57	115	High school diploma or equivalent	Less than 5 years	None	\$7.77	\$9.53	\$15.22
39-2000	<i>Animal Care and Service Workers</i>		524	534	10	1.91	10	25	35	NA	NA	NA	NA	NA	NA
39-2011	Animal Trainers		251	259	8	3.19	8	19	27	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.54	\$8.35	\$9.16
39-2021	Nonfarm Animal Caretakers		273	275	2	0.73	2	6	8	Less than high school	None	Short-term on-the-job training	\$7.52	\$8.38	\$9.25
39-3000	<i>Entertainment Attendants and Related Workers</i>		2,087	2,130	43	2.06	43	191	234	NA	NA	NA	NA	NA	NA
39-3011	Gaming Dealers		800	822	22	2.75	22	23	45	High school diploma or equivalent	None	Short-term on-the-job training	\$7.67	\$8.73	\$10.94
39-3021	Motion Picture Projectionists		132	133	1	0.76	1	13	14	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.42	\$9.27
39-3031	Ushers, Lobby Attendants, and Ticket Takers		639	656	17	2.66	17	95	112	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.45	\$9.32
39-3091	Amusement and Recreation Attendants		433	435	2	0.46	2	55	57	Less than high school	None	Short-term on-the-job training	\$7.61	\$8.48	\$9.38
39-4000	<i>Funeral Service Workers</i>		583	568	-15	-2.57	0	25	25	NA	NA	NA	NA	NA	NA
39-4021	Funeral Attendants		515	501	-14	-2.72	0	22	22	High school diploma or equivalent	None	Short-term on-the-job training	\$7.68	\$8.65	\$10.93
39-5000	<i>Personal Appearance Workers</i>		3,061	3,177	116	3.79	117	113	230	NA	NA	NA	NA	NA	NA
39-5012	Hairdressers, Hairstylists, and Cosmetologists		2,144	2,212	68	3.17	68	98	166	Postsecondary non-degree award	None	None	\$7.82	\$9.70	\$12.55
39-5092	Manicurists and Pedicurists		194	199	5	2.58	5	3	8	Postsecondary non-degree award	None	None	\$7.62	\$8.53	\$9.66
39-5094	Skincare Specialists		606	649	43	7.10	43	8	51	Postsecondary non-degree award	None	None	\$7.76	\$9.17	\$19.65
39-6000	<i>Baggage Porters, Bellhops, and Concierges</i>		287	293	6	2.09	6	13	19	NA	NA	NA	NA	NA	NA
39-6011	Baggage Porters and Bellhops		218	222	4	1.83	4	10	14	High school diploma or equivalent	None	Short-term on-the-job training	\$7.57	\$8.52	\$10.15
39-6012	Concierges		69	71	2	2.90	2	3	5	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.67	\$8.94	\$14.08
39-7000	<i>Tour and Travel Guides</i>		425	440	15	3.53	15	43	58	NA	NA	NA	NA	NA	NA
39-9000	<i>Other Personal Care and Service Workers</i>		11,183	11,627	444	3.97	444	357	801	NA	NA	NA	NA	NA	NA

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation*		Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
	SOC Title				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
39-9011	Childcare Workers		3,986	4,114	128	3.21	128	240	368	High school diploma or equivalent	None	Short-term on-the-job training	\$7.57	\$8.42	\$9.27
39-9021	Personal Care Aides		5,281	5,569	288	5.45	288	58	346	Less than high school	None	Short-term on-the-job training	\$7.56	\$8.37	\$9.18
39-9031	Fitness Trainers and Aerobics Instructors		86	88	2	2.33	2	2	4	High school diploma or equivalent	None	Short-term on-the-job training	\$7.54	\$8.54	\$10.70
39-9032	Recreation Workers		1,398	1,409	11	0.79	11	31	42	Bachelor's degree	None	None	\$7.64	\$8.68	\$16.15
39-9041	Residential Advisors		67	69	2	2.99	2	6	8	High school diploma or equivalent	None	Short-term on-the-job training	\$8.74	\$11.67	\$15.42
39-9099	Personal Care and Service Workers, All Other		365	378	13	3.56	13	20	33	High school diploma or equivalent	None	Short-term on-the-job training	\$7.64	\$8.67	\$11.14
41-0000	Sales and Related Occupations		126,441	128,214	1,773	1.40	1,834	8,760	10,594	NA	NA	NA	\$7.76	\$8.91	\$16.66
41-1000	Supervisors of Sales Workers		23,041	23,470	429	1.86	429	928	1,357	NA	NA	NA	NA	NA	NA
41-1011	First-Line Supervisors of Retail Sales Workers		20,074	20,468	394	1.96	394	851	1,245	High school diploma or equivalent	Less than 5 years	None	\$8.28	\$11.95	\$22.63
41-1012	First-Line Supervisors of Non-Retail Sales Workers		2,967	3,002	35	1.18	35	77	112	High school diploma or equivalent	Less than 5 years	None	\$10.71	\$18.27	\$36.02
41-2000	Retail Sales Workers		78,183	79,137	954	1.22	1,007	6,770	7,777	NA	NA	NA	NA	NA	NA
41-2011	Cashiers		31,909	32,441	532	1.67	532	3,429	3,961	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.53	\$9.40
41-2012	Gaming Change Persons and Booth Cashiers		171	170	-1	-0.58	0	18	18	High school diploma or equivalent	None	Short-term on-the-job training	\$7.88	\$9.17	\$14.31
41-2021	Counter and Rental Clerks		2,174	2,122	-52	-2.39	0	128	128	Less than high school	None	Short-term on-the-job training	\$7.80	\$8.87	\$11.38
41-2022	Parts Salespersons		1,415	1,430	15	1.06	15	66	81	Less than high school	None	Moderate-term on-the-job training	\$7.79	\$8.95	\$14.51
41-2031	Retail Salespersons		42,514	42,974	460	1.08	460	3,129	3,589	Less than high school	None	Short-term on-the-job training	\$7.71	\$8.69	\$11.08
41-3000	Sales Representatives, Services		6,594	6,759	165	2.50	165	325	490	NA	NA	NA	NA	NA	NA
41-3011	Advertising Sales Agents		931	938	7	0.75	7	54	61	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.69	\$15.77	\$34.60
41-3021	Insurance Sales Agents		2,749	2,859	110	4.00	110	126	236	High school diploma or equivalent	None	Moderate-term on-the-job training	\$9.37	\$17.05	\$34.15

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
41-3041	Travel Agents	356	357	1	0.28	1	11	12	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.47	\$12.55	\$20.93
41-3099	Sales Representatives, Services, All Other	2,140	2,169	29	1.36	29	114	143	High school diploma or equivalent	None	Short-term on-the-job training	\$8.04	\$11.98	\$20.62
41-4000	Sales Representatives, Wholesale and Manufacturing	11,722	11,724	2	0.02	10	455	465	NA	NA	NA	NA	NA	NA
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,522	1,514	-8	-0.53	0	59	59	Bachelor's degree	None	Moderate-term on-the-job training	\$10.53	\$18.34	\$35.20
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	10,200	10,210	10	0.10	10	396	406	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.95	\$10.73	\$26.41
41-9000	Other Sales and Related Workers	6,901	7,124	223	3.23	223	282	505	NA	NA	NA	NA	NA	NA
41-9011	Demonstrators and Product Promoters	1,564	1,623	59	3.77	59	91	150	High school diploma or equivalent	None	Short-term on-the-job training	\$7.79	\$8.94	\$18.35
41-9022	Real Estate Sales Agents	1,358	1,411	53	3.90	53	26	79	High school diploma or equivalent	None	Long-term on-the-job training	\$12.17	\$19.79	\$32.19
41-9031	Sales Engineers	51	51	0	0.00	0	2	2	Bachelor's degree	None	Moderate-term on-the-job training	\$19.92	\$32.73	\$58.67
41-9041	Telemarketers	2,751	2,812	61	2.22	61	128	189	Less than high school	None	Short-term on-the-job training	\$7.82	\$8.95	\$14.29
43-0000	Office and Administrative Support Occupations	170,112	168,730	-1,382	-0.81	849	6,714	7,563	NA	NA	NA	\$7.80	\$9.35	\$17.66
43-1000	Supervisors of Office and Administrative Support Workers	13,275	13,286	11	0.08	11	620	631	NA	NA	NA	NA	NA	NA
43-1011	First-Line Supervisors of Office and Administrative Support Workers	13,275	13,286	11	0.08	11	620	631	High school diploma or equivalent	Less than 5 years	None	\$9.72	\$14.87	\$25.51
43-2000	Communications Equipment Operators	1,634	1,596	-38	-2.33	3	66	69	NA	NA	NA	NA	NA	NA
43-2011	Switchboard Operators, Including Answering Service	1,216	1,175	-41	-3.37	0	42	42	High school diploma or equivalent	None	Short-term on-the-job training	\$7.70	\$8.89	\$11.86
43-3000	Financial Clerks	22,949	22,967	18	0.08	151	962	1,113	NA	NA	NA	NA	NA	NA
43-3011	Bill and Account Collectors	3,571	3,560	-11	-0.31	0	198	198	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.81	\$9.27	\$16.36
43-3021	Billing and Posting Clerks	5,054	5,176	122	2.41	122	163	285	High school diploma or equivalent	None	Short-term on-the-job training	\$7.79	\$9.15	\$14.05
43-3031	Bookkeeping, Accounting, and Auditing Clerks	9,101	9,125	24	0.26	24	167	191	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.79	\$9.31	\$15.61

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
43-3051	Payroll and Timekeeping Clerks	1,141	1,136	-5	-0.44	0	48	48	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.97	\$10.73	\$18.49
43-3061	Procurement Clerks	453	446	-7	-1.55	0	18	18	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.86	\$10.31	\$19.89
43-3071	Tellers	3,455	3,345	-110	-3.18	0	361	361	High school diploma or equivalent	None	Short-term on-the-job training	\$7.68	\$8.66	\$10.72
43-4000	Information and Record Clerks	25,355	25,359	4	0.02	185	1,253	1,438	NA	NA	NA	NA	NA	NA
43-4011	Brokerage Clerks	171	177	6	3.51	6	9	15	High school diploma or equivalent	None	Moderate-term on-the-job training	\$12.73	\$17.72	\$28.09
43-4041	Credit Authorizers, Checkers, and Clerks	515	485	-30	-5.83	0	12	12	High school diploma or equivalent	None	Short-term on-the-job training	\$8.42	\$10.41	\$15.82
43-4051	Customer Service Representatives	12,545	12,665	120	0.96	120	658	778	High school diploma or equivalent	None	Short-term on-the-job training	\$7.81	\$9.40	\$16.95
43-4061	Eligibility Interviewers, Government Programs	1,085	1,097	12	1.11	12	40	52	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.38	\$16.78	\$25.48
43-4071	File Clerks	585	568	-17	-2.91	0	27	27	High school diploma or equivalent	None	Short-term on-the-job training	\$7.76	\$9.07	\$13.23
43-4081	Hotel, Motel, and Resort Desk Clerks	808	837	29	3.59	29	79	108	High school diploma or equivalent	None	Short-term on-the-job training	\$7.66	\$8.54	\$9.46
43-4111	Interviewers, Except Eligibility and Loan	654	667	13	1.99	13	24	37	High school diploma or equivalent	None	Short-term on-the-job training	\$7.64	\$8.74	\$13.31
43-4121	Library Assistants, Clerical	147	148	1	0.68	1	13	14	High school diploma or equivalent	None	Short-term on-the-job training	\$7.72	\$8.94	\$13.62
43-4131	Loan Interviewers and Clerks	1,464	1,437	-27	-1.84	0	21	21	High school diploma or equivalent	None	Short-term on-the-job training	\$7.80	\$9.24	\$13.81
43-4141	New Accounts Clerks	257	246	-11	-4.28	0	13	13	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.62	\$8.81	\$13.98
43-4151	Order Clerks	398	381	-17	-4.27	0	20	20	High school diploma or equivalent	None	Short-term on-the-job training	\$7.80	\$9.29	\$16.27
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	936	916	-20	-2.14	0	43	43	High school diploma or equivalent	None	Short-term on-the-job training	\$8.02	\$11.38	\$18.34

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation*		Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
	SOC Title				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%	
43-4171	Receptionists and Information Clerks		4,071	4,062	-9	-0.22	0	230	230	High school diploma or equivalent	None	Short-term on-the-job training	\$7.67	\$8.64	\$10.62
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks		488	450	-38	-7.79	0	14	14	High school diploma or equivalent	None	Short-term on-the-job training	\$8.25	\$11.75	\$60.91
43-4199	Information and Record Clerks, All Other		870	858	-12	-1.38	0	32	32	High school diploma or equivalent	None	Short-term on-the-job training	\$8.24	\$15.05	\$22.73
43-5000	<i>Material Recording, Scheduling, Dispatching, and Distributing Workers</i>		27,876	27,495	-381	-1.37	4	1,495	1,499	NA	NA	NA	NA	NA	NA
43-5011	Cargo and Freight Agents		270	259	-11	-4.07	0	15	15	High school diploma or equivalent	None	Short-term on-the-job training	\$8.76	\$11.20	\$18.18
43-5021	Couriers and Messengers		3,763	3,688	-75	-1.99	0	91	91	High school diploma or equivalent	None	Short-term on-the-job training	\$7.72	\$8.90	\$13.22
43-5031	Police, Fire, and Ambulance Dispatchers		176	178	2	1.14	2	10	12	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.65	\$8.88	\$13.34
43-5032	Dispatchers, Except Police, Fire, and Ambulance		1,093	1,095	2	0.18	2	60	62	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.77	\$9.05	\$21.37
43-5041	Meter Readers, Utilities		54	53	-1	-1.85	0	3	3	High school diploma or equivalent	None	Short-term on-the-job training	\$15.05	\$16.75	\$18.48
43-5051	Postal Service Clerks		628	582	-46	-7.32	0	18	18	High school diploma or equivalent	None	Short-term on-the-job training	\$14.61	\$25.52	\$26.08
43-5052	Postal Service Mail Carriers		990	931	-59	-5.96	0	66	66	High school diploma or equivalent	None	Short-term on-the-job training	\$22.16	\$27.16	\$27.17
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators		479	447	-32	-6.68	0	7	7	High school diploma or equivalent	None	Short-term on-the-job training	\$14.61	\$25.48	\$26.08
43-5061	Production, Planning, and Expediting Clerks		1,542	1,514	-28	-1.82	0	75	75	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.08	\$11.84	\$24.30
43-5071	Shipping, Receiving, and Traffic Clerks		3,385	3,311	-74	-2.19	0	175	175	High school diploma or equivalent	None	Short-term on-the-job training	\$7.75	\$8.97	\$14.66
43-5081	Stock Clerks and Order Fillers		15,007	14,948	-59	-0.39	0	956	956	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.67	\$11.44
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping		489	489	0	0.00	0	19	19	High school diploma or equivalent	None	Short-term on-the-job training	\$7.99	\$10.53	\$16.94
43-6000	<i>Secretaries and Administrative Assistants</i>		44,308	44,359	51	0.12	455	1,054	1,509	NA	NA	NA	NA	NA	NA

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
43-6011	Executive Secretaries and Executive Administrative Assistants	8,888	8,570	-318	-3.58	0	211	211	High school diploma or equivalent	Less than 5 years	None	\$8.68	\$13.42	\$21.90
43-6012	Legal Secretaries	4,196	4,110	-86	-2.05	0	100	100	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.95	\$11.48	\$16.81
43-6013	Medical Secretaries	6,811	7,217	406	5.96	406	162	568	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.68	\$8.69	\$11.74
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,413	24,462	49	0.20	49	581	630	High school diploma or equivalent	None	Short-term on-the-job training	\$7.76	\$9.08	\$14.39
43-9000	Other Office and Administrative Support Workers	34,715	33,668	-1,047	-3.02	40	1,264	1,304	NA	NA	NA	NA	NA	NA
43-9011	Computer Operators	851	817	-34	-4.00	0	18	18	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.12	\$10.52	\$14.84
43-9021	Data Entry Keyers	2,813	2,655	-158	-5.62	0	76	76	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.73	\$8.95	\$14.08
43-9022	Word Processors and Typists	4,924	4,560	-364	-7.39	0	44	44	High school diploma or equivalent	None	Short-term on-the-job training	\$8.25	\$10.58	\$14.40
43-9041	Insurance Claims and Policy Processing Clerks	1,308	1,340	32	2.45	32	68	100	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.05	\$11.17	\$16.99
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	148	146	-2	-1.35	0	7	7	High school diploma or equivalent	None	Short-term on-the-job training	\$7.89	\$10.84	\$18.83
43-9061	Office Clerks, General	22,023	21,513	-510	-2.32	0	906	906	High school diploma or equivalent	None	Short-term on-the-job training	\$7.72	\$8.98	\$13.90
43-9071	Office Machine Operators, Except Computer	246	236	-10	-4.07	0	12	12	High school diploma or equivalent	None	Short-term on-the-job training	\$7.92	\$10.06	\$17.21
43-9111	Statistical Assistants	570	578	8	1.40	8	31	39	Bachelor's degree	None	None	\$8.75	\$12.13	\$16.96
43-9199	Office and Administrative Support Workers, All Other	1,801	1,792	-9	-0.50	0	101	101	High school diploma or equivalent	None	Short-term on-the-job training	\$7.94	\$10.20	\$17.90
45-0000	Farming, Fishing, and Forestry Occupations	8,861	8,855	-6	-0.07	22	528	550	NA	NA	NA	\$7.75	\$9.41	\$20.85
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	541	548	7	1.29	7	23	30	NA	NA	NA	NA	NA	NA
45-2000	Agricultural Workers	8,179	8,169	-10	-0.12	15	500	515	NA	NA	NA	NA	NA	NA
45-2041	Graders and Sorters, Agricultural Products	314	311	-3	-0.96	0	9	9	Less than high school	None	Short-term on-the-job training	NA	NA	NA
45-2091	Agricultural Equipment Operators	551	559	8	1.45	8	34	42	Less than high school	None	Short-term on-the-job training	\$7.66	\$8.81	\$16.28

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	6,377	6,358	-19	-0.30	0	399	399	Less than high school	None	Short-term on-the-job training	\$7.63	\$8.78	\$14.47
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	642	648	6	0.93	6	40	46	Less than high school	None	Short-term on-the-job training			
45-2099	Agricultural Workers, All Other	140	141	1	0.71	1	9	10	Less than high school	None	Short-term on-the-job training	\$7.65	\$8.91	\$14.15
45-4000	Forest, Conservation, and Logging Workers	141	138	-3	-2.13	0	5	5	NA	NA	NA			
47-0000	Construction and Extraction Occupations	48,604	45,904	-2,700	-5.56	3	1,630	1,633	NA	NA	NA	\$7.65	\$8.87	\$14.89
47-1000	Supervisors of Construction and Extraction Workers	4,539	4,305	-234	-5.16	0	106	106	NA	NA	NA	NA	NA	NA
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	4,539	4,305	-234	-5.16	0	106	106	High school diploma or equivalent	5 years or more	None	\$8.78	\$13.37	\$22.12
47-2000	Construction Trades Workers	34,523	32,447	-2,076	-6.01	0	1,231	1,231	NA	NA	NA	NA	NA	NA
47-2011	Boilermakers	157	136	-21	-13.38	0	12	12	High school diploma or equivalent	None	Apprenticeship	\$7.74	\$15.31	\$28.20
47-2021	Brickmasons and Blockmasons	727	672	-55	-7.57	0	16	16	High school diploma or equivalent	None	Apprenticeship	\$7.98	\$10.49	\$16.98
47-2022	Stonemasons	176	160	-16	-9.09	0	4	4	High school diploma or equivalent	None	Apprenticeship	\$7.67	\$8.94	\$24.55
47-2031	Carpenters	7,544	7,172	-372	-4.93	0	189	189	High school diploma or equivalent	None	Apprenticeship	\$7.60	\$8.56	\$10.37
47-2043	Floor Sanders and Finishers	58	54	-4	-6.90	0	2	2	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.71	\$8.70	\$11.04
47-2051	Cement Masons and Concrete Finishers	890	793	-97	-10.90	0	21	21	Less than high school	None	Moderate-term on-the-job training	\$7.60	\$8.57	\$10.40
47-2061	Construction Laborers	13,913	13,067	-846	-6.08	0	584	584	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.50	\$9.80
47-2071	Paving, Surfacing, and Tamping Equipment Operators	155	150	-5	-3.23	0	5	5	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.66	\$8.69	\$10.71
47-2073	Operating Engineers and Other Construction Equipment Operators	2,070	1,930	-140	-6.76	0	87	87	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.80	\$9.82	\$17.98
47-2081	Drywall and Ceiling Tile Installers	311	289	-22	-7.07	0	6	6	Less than high school	None	Moderate-term on-the-job training	\$8.10	\$10.72	\$22.95
47-2111	Electricians	3,258	3,078	-180	-5.52	0	120	120	High school diploma or equivalent	None	Apprenticeship	\$9.12	\$10.95	\$15.88

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation*		Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
	SOC Title				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
													10%	50%	90%
47-2121	Glaziers		88	78	-10	-11.36	0	4	4	High school diploma or equivalent	None	Apprenticeship	\$7.73	\$8.92	\$17.03
47-2132	Insulation Workers, Mechanical		98	95	-3	-3.06	0	3	3	High school diploma or equivalent	None	Apprenticeship	\$7.58	\$8.52	\$10.10
47-2141	Painters, Construction and Maintenance		1,804	1,779	-25	-1.39	0	55	55	Less than high school	None	Moderate-term on-the-job training	\$7.60	\$8.72	\$15.36
47-2151	Pipelayers		377	350	-27	-7.16	0	10	10	Less than high school	None	Short-term on-the-job training	\$7.77	\$9.36	\$17.07
47-2152	Plumbers, Pipefitters, and Steamfitters		1,094	1,011	-83	-7.59	0	28	28	High school diploma or equivalent	None	Apprenticeship	\$7.95	\$10.00	\$12.54
47-2161	Plasterers and Stucco Masons		32	28	-4	-12.50	0	0	0	Less than high school	None	Long-term on-the-job training	\$8.73	\$13.61	\$23.63
47-2171	Reinforcing Iron and Rebar Workers		208	179	-29	-13.94	0	7	7	High school diploma or equivalent	None	Apprenticeship	\$7.60	\$8.47	\$9.37
47-2211	Sheet Metal Workers		197	188	-9	-4.57	0	7	7	High school diploma or equivalent	None	Apprenticeship	\$7.82	\$9.54	\$18.37
47-2221	Structural Iron and Steel Workers		719	637	-82	-11.40	0	47	47	High school diploma or equivalent	None	Apprenticeship	\$7.65	\$8.86	\$12.05
47-3000	Helpers, Construction Trades		3,847	3,536	-311	-8.08	0	149	149	NA	NA	NA	NA	NA	NA
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters		205	182	-23	-11.22	0	8	8	Less than high school	None	Short-term on-the-job training	\$7.57	\$8.49	\$10.43
47-3012	Helpers--Carpenters		999	873	-126	-12.61	0	39	39	Less than high school	None	Short-term on-the-job training	\$7.58	\$8.39	\$9.21
47-3013	Helpers--Electricians		1,581	1,479	-102	-6.45	0	61	61	High school diploma or equivalent	None	Short-term on-the-job training	\$7.64	\$8.67	\$15.11
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters		676	632	-44	-6.51	0	26	26	High school diploma or equivalent	None	Short-term on-the-job training	\$7.79	\$9.92	\$16.57
47-3019	Helpers, Construction Trades, All Other		353	340	-13	-3.68	0	14	14	Less than high school	None	Short-term on-the-job training	\$7.59	\$8.71	\$12.87
47-4000	Other Construction and Related Workers		5,595	5,520	-75	-1.34	2	142	144	NA	NA	NA	NA	NA	NA
47-4011	Construction and Building Inspectors		542	541	-1	-0.18	0	21	21	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training	\$7.83	\$10.96	\$22.74
47-4021	Elevator Installers and Repairers		230	215	-15	-6.52	0	7	7	High school diploma or equivalent	None	Apprenticeship	\$8.30	\$12.19	\$43.80

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
47-4051	Highway Maintenance Workers	4,543	4,494	-49	-1.08	0	105	105	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.52	\$8.34	\$9.17
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	65	67	2	3.08	2	2	4	Less than high school	None	Moderate-term on-the-job training	\$7.69	\$9.01	\$16.23
47-5000	Extraction Workers	100	96	-4	-4.00	1	2	3	NA	NA	NA	NA	NA	NA
47-5021	Earth Drillers, Except Oil and Gas	51	47	-4	-7.84	0	2	2	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.96	\$10.24	\$28.49
49-0000	Installation, Maintenance, and Repair Occupations	33,242	32,816	-426	-1.28	85	1,554	1,639	NA	NA	NA	\$7.97	\$11.74	\$22.04
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	2,440	2,364	-76	-3.11	0	120	120	NA	NA	NA	NA	NA	NA
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	2,440	2,364	-76	-3.11	0	120	120	High school diploma or equivalent	Less than 5 years	None	\$9.62	\$17.60	\$30.85
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	2,987	2,932	-55	-1.84	14	116	130	NA	NA	NA	NA	NA	NA
49-2011	Computer, Automated Teller, and Office Machine Repairers	926	922	-4	-0.43	0	39	39	Some college, no degree	None	None	\$7.95	\$10.80	\$16.74
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	204	203	-1	-0.49	0	7	7	Associate's degree	None	Moderate-term on-the-job training	\$9.94	\$15.23	\$20.15
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	455	460	5	1.10	5	15	20	Postsecondary non-degree award	None	Moderate-term on-the-job training	\$10.15	\$19.75	\$26.67
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	198	189	-9	-4.55	0	8	8	Postsecondary non-degree award	None	Long-term on-the-job training	\$8.13	\$14.13	\$26.42
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	30	30	0	0.00	0	1	1	Postsecondary non-degree award	None	Short-term on-the-job training	NA	NA	NA
49-2098	Security and Fire Alarm Systems Installers	550	559	9	1.64	9	18	27	High school diploma or equivalent	None	Moderate-term on-the-job training	NA	NA	NA
49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	9,674	9,617	-57	-0.59	45	488	533	NA	NA	NA	NA	NA	NA
49-3011	Aircraft Mechanics and Service Technicians	417	383	-34	-8.15	0	20	20	Postsecondary non-degree award	None	None	\$13.25	\$25.35	\$48.73
49-3021	Automotive Body and Related Repairers	597	589	-8	-1.34	0	22	22	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.75	\$9.01	\$12.86
49-3023	Automotive Service Technicians and Mechanics	4,695	4,717	22	0.47	22	233	255	High school diploma or equivalent	None	Long-term on-the-job training	\$7.74	\$9.02	\$14.70

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation*		Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
	SOC Title				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists		1,685	1,666	-19	-1.13	0	70	70	High school diploma or equivalent	None	Long-term on-the-job training	\$7.90	\$10.38	\$17.06
49-3041	Farm Equipment Mechanics and Service Technicians		46	43	-3	-6.52	0	3	3	High school diploma or equivalent	None	Long-term on-the-job training	NA	NA	NA
49-3042	Mobile Heavy Equipment Mechanics, Except Engines		677	650	-27	-3.99	0	39	39	High school diploma or equivalent	None	Long-term on-the-job training	\$8.51	\$11.28	\$22.51
49-3051	Motorboat Mechanics and Service Technicians		62	60	-2	-3.23	0	2	2	High school diploma or equivalent	None	Long-term on-the-job training	\$7.99	\$15.28	\$20.30
49-3093	Tire Repairers and Changers		1,198	1,219	21	1.75	21	85	106	High school diploma or equivalent	None	Short-term on-the-job training	\$7.65	\$8.65	\$11.24
49-9000	Other Installation, Maintenance, and Repair Occupations		18,141	17,903	-238	-1.31	26	830	856	NA	NA	NA	NA	NA	NA
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door		72	69	-3	-4.17	0	4	4	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.68	\$16.01	\$18.12
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers		1,385	1,341	-44	-3.18	0	69	69	Postsecondary non-degree award	None	Long-term on-the-job training	\$7.81	\$9.51	\$18.30
49-9031	Home Appliance Repairers		382	390	8	2.09	8	20	28	High school diploma or equivalent	None	Moderate-term on-the-job training	\$11.93	\$15.33	\$19.26
49-9041	Industrial Machinery Mechanics		3,388	3,328	-60	-1.77	0	186	186	High school diploma or equivalent	None	Long-term on-the-job training	\$9.15	\$15.33	\$22.32
49-9043	Maintenance Workers, Machinery		342	338	-4	-1.17	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.23	\$12.19	\$21.58
49-9051	Electrical Power-Line Installers and Repairers		1,138	1,086	-52	-4.57	0	77	77	High school diploma or equivalent	None	Long-term on-the-job training	\$15.31	\$19.32	\$22.22
49-9052	Telecommunications Line Installers and Repairers		1,951	1,919	-32	-1.64	0	90	90	High school diploma or equivalent	None	Long-term on-the-job training	\$11.60	\$19.29	\$23.70
49-9062	Medical Equipment Repairers		366	380	14	3.83	14	20	34	Associate's degree	None	Moderate-term on-the-job training	\$8.44	\$14.65	\$31.64
49-9069	Precision Instrument and Equipment Repairers, All Other		79	79	0	0.00	0	4	4	High school diploma or equivalent	None	Long-term on-the-job training	\$10.10	\$17.30	\$23.40
49-9071	Maintenance and Repair Workers, General		6,181	6,158	-23	-0.37	0	206	206	High school diploma or equivalent	None	Long-term on-the-job training	\$7.78	\$9.16	\$16.53

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
49-9098	Helpers--Installation, Maintenance, and Repair Workers	1,208	1,172	-36	-2.98	0	86	86	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.79	\$9.29	\$17.88
49-9099	Installation, Maintenance, and Repair Workers, All Other	1,146	1,144	-2	-0.17	0	40	40	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.52	\$14.31	\$21.46
51-0000	Production Occupations	65,372	62,987	-2,385	-3.65	337	2,520	2,857	NA	NA	NA	\$7.76	\$9.18	\$16.83
51-1000	Supervisors of Production Workers	4,342	4,163	-179	-4.12	0	123	123	NA	NA	NA	NA	NA	NA
51-1011	First-Line Supervisors of Production and Operating Workers	4,342	4,163	-179	-4.12	0	123	123	Postsecondary non-degree award	Less than 5 years	None	\$9.57	\$15.60	\$32.95
51-2000	Assemblers and Fabricators	11,464	11,216	-248	-2.16	60	374	434	NA	NA	NA	NA	NA	NA
51-2022	Electrical and Electronic Equipment Assemblers	599	574	-25	-4.17	0	16	16	High school diploma or equivalent	None	Short-term on-the-job training	\$7.67	\$8.75	\$14.40
51-2041	Structural Metal Fabricators and Fitters	211	203	-8	-3.79	0	15	15	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.78	\$9.27	\$17.48
51-2091	Fiberglass Laminators and Fabricators	43	43	0	0.00	0	1	1	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.78	\$14.51	\$21.91
51-2092	Team Assemblers	7,220	6,953	-267	-3.70	0	235	235	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.77	\$9.15	\$12.14
51-2099	Assemblers and Fabricators, All Other	2,806	2,856	50	1.78	50	91	141	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.66	\$8.74	\$10.82
51-3000	Food Processing Workers	7,242	7,321	79	1.09	110	353	463	NA	NA	NA	NA	NA	NA
51-3011	Bakers	3,130	3,199	69	2.20	69	144	213	Less than high school	None	Long-term on-the-job training	\$7.64	\$8.52	\$9.42
51-3021	Butchers and Meat Cutters	2,123	2,156	33	1.55	33	98	131	Less than high school	None	Long-term on-the-job training	\$7.69	\$8.84	\$11.18
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	446	450	4	0.90	4	21	25	Less than high school	None	Short-term on-the-job training	\$7.87	\$9.68	\$14.28
51-3023	Slaughtering and Meat Packers	141	139	-2	-1.42	0	7	7	Less than high school	None	Short-term on-the-job training	\$7.65	\$8.52	\$9.43
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	77	76	-1	-1.30	0	4	4	Less than high school	None	Moderate-term on-the-job training	\$7.85	\$9.41	\$14.96
51-3092	Food Batchmakers	1,092	1,067	-25	-2.29	0	68	68	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.59	\$8.46	\$9.38
51-3093	Food Cooking Machine Operators and Tenders	148	145	-3	-2.03	0	7	7	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.55	\$8.42	\$9.30

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
51-3099	Food Processing Workers, All Other	85	89	4	4.71	4	4	8	Less than high school	None	Moderate-term on-the-job training	\$7.86	\$9.95	\$11.90
51-4000	Metal Workers and Plastic Workers	6,626	6,369	-257	-3.88	30	229	259	NA	NA	NA	NA	NA	NA
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	137	132	-5	-3.65	0	6	6	High school diploma or equivalent	None	Moderate-term on-the-job training	NA	NA	NA
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	73	66	-7	-9.59	0	3	3	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.87	\$9.24	\$12.94
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	825	755	-70	-8.48	0	16	16	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.68	\$8.88	\$13.88
51-4041	Machinists	771	801	30	3.89	30	35	65	High school diploma or equivalent	None	Long-term on-the-job training	\$7.88	\$9.80	\$16.61
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,424	1,359	-65	-4.56	0	40	40	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.78	\$9.46	\$14.39
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,022	990	-32	-3.13	0	39	39	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.67	\$8.64	\$10.40
51-4111	Tool and Die Makers	484	475	-9	-1.86	0	6	6	High school diploma or equivalent	None	Long-term on-the-job training	\$8.10	\$13.07	\$18.95
51-4121	Welders, Cutters, Solderers, and Brazers	1,358	1,287	-71	-5.23	0	66	66	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.97	\$10.30	\$14.79
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	39	39	0	0.00	0	2	2	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.18	\$11.45	\$20.41
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	52	51	-1	-1.92	0	2	2	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.93	\$9.95	\$11.54
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	42	39	-3	-7.14	0	2	2	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.66	\$8.58	\$9.84
51-4199	Metal Workers and Plastic Workers, All Other	167	161	-6	-3.59	0	4	4	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.72	\$8.58	\$9.44
51-5100	Printing Workers	2,409	2,412	3	0.12	32	82	114	NA	NA	NA	NA	NA	NA
51-5111	Prepress Technicians and Workers	217	199	-18	-8.29	0	11	11	Postsecondary non-degree award	None	None	\$8.34	\$11.02	\$17.16
51-5112	Printing Press Operators	2,081	2,113	32	1.54	32	67	99	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.89	\$10.08	\$20.96

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
51-5113	Print Binding and Finishing Workers	111	100	-11	-9.91	0	4	4	High school diploma or equivalent	None	Short-term on-the-job training	\$7.66	\$8.76	\$11.26
51-6000	Textile, Apparel, and Furnishings Workers	8,985	8,120	-865	-9.63	7	174	181	NA	NA	NA	NA	NA	NA
51-6011	Laundry and Dry-Cleaning Workers	947	946	-1	-0.11	0	55	55	Less than high school	None	Short-term on-the-job training	\$7.65	\$8.61	\$10.15
51-6021	Pressers, Textile, Garment, and Related Materials	262	256	-6	-2.29	0	5	5	Less than high school	None	Short-term on-the-job training	\$7.60	\$8.42	\$9.24
51-6031	Sewing Machine Operators	6,584	5,767	-817	-12.41	0	72	72	Less than high school	None	Short-term on-the-job training	\$7.61	\$8.43	\$9.26
51-6042	Shoe Machine Operators and Tenders	63	62	-1	-1.59	0	2	2	High school diploma or equivalent	None	Short-term on-the-job training	\$7.69	\$8.51	\$9.34
51-6051	Sewers, Hand	120	118	-2	-1.67	0	3	3	Less than high school	None	Moderate-term on-the-job training	\$7.63	\$8.45	\$9.28
51-6052	Tailors, Dressmakers, and Custom Sewers	252	259	7	2.78	7	6	13	Less than high school	None	Moderate-term on-the-job training	\$7.72	\$8.62	\$9.56
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	175	150	-25	-14.29	0	6	6	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.66	\$8.56	\$9.48
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	71	61	-10	-14.08	0	2	2	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.56	\$8.52	\$11.12
51-6092	Fabric and Apparel Patternmakers	125	120	-5	-4.00	0	4	4	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.82	\$9.24	\$10.98
51-6093	Upholsterers	341	339	-2	-0.59	0	18	18	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.64	\$8.50	\$9.35
51-7000	Woodworkers	1,150	1,131	-19	-1.65	6	32	38	NA	NA	NA	NA	NA	NA
51-7011	Cabinetmakers and Bench Carpenters	784	763	-21	-2.68	0	12	12	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.62	\$8.53	\$9.58
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	31	30	-1	-3.23	0	2	2	High school diploma or equivalent	None	Short-term on-the-job training	\$7.68	\$8.83	\$12.77
51-7099	Woodworkers, All Other	244	250	6	2.46	6	16	22	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.63	\$8.57	\$11.03
51-8000	Plant and System Operators	2,041	1,970	-71	-3.48	1	129	130	NA	NA	NA	NA	NA	NA
51-8021	Stationary Engineers and Boiler Operators	116	106	-10	-8.62	0	6	6	High school diploma or equivalent	None	Long-term on-the-job training	\$9.05	\$17.69	\$22.40

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
51-8031	Water and Wastewater Treatment Plant and System Operators	1,251	1,219	-32	-2.56	0	78	78	High school diploma or equivalent	None	Long-term on-the-job training	\$8.10	\$11.59	\$17.72
51-8091	Chemical Plant and System Operators	162	141	-21	-12.96	0	11	11	High school diploma or equivalent	None	Long-term on-the-job training	\$9.20	\$12.36	\$19.97
51-8099	Plant and System Operators, All Other	461	453	-8	-1.74	0	31	31	High school diploma or equivalent	None	Long-term on-the-job training	\$8.06	\$14.75	\$17.75
51-9000	Other Production Occupations	21,113	20,285	-828	-3.92	91	1,024	1,115	NA	NA	NA	NA	NA	NA
51-9011	Chemical Equipment Operators and Tenders	689	608	-81	-11.76	0	42	42	High school diploma or equivalent	None	Moderate-term on-the-job training	\$10.33	\$15.65	\$23.05
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	55	53	-2	-3.64	0	3	3	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.06	\$10.25	\$14.09
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	128	121	-7	-5.47	0	7	7	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.67	\$8.58	\$9.59
51-9022	Grinding and Polishing Workers, Hand	61	60	-1	-1.64	0	3	3	Less than high school	None	Moderate-term on-the-job training	\$7.80	\$9.13	\$13.09
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,649	1,463	-186	-11.28	0	94	94	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.05	\$12.43	\$20.64
51-9031	Cutters and Trimmers, Hand	55	45	-10	-18.18	0	2	2	Less than high school	None	Short-term on-the-job training	\$7.66	\$8.48	\$9.31
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	200	192	-8	-4.00	0	7	7	High school diploma or equivalent	None	Short-term on-the-job training	\$7.97	\$10.47	\$16.52
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	467	452	-15	-3.21	0	27	27	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.20	\$9.98	\$11.23
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	3,418	3,250	-168	-4.92	0	146	146	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.96	\$10.83	\$25.18
51-9071	Jewelers and Precious Stone and Metal Workers	75	75	0	0.00	0	3	3	High school diploma or equivalent	None	Long-term on-the-job training	\$7.82	\$9.45	\$11.29
51-9081	Dental Laboratory Technicians	109	114	5	4.59	5	7	12	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.80	\$9.37	\$23.32
51-9083	Ophthalmic Laboratory Technicians	1,174	1,226	52	4.43	52	79	131	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.09	\$11.01	\$15.49

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$)		
				Numeric	Percent	Growth	Replacement	Total				2012 Percentile		
												10%	50%	90%
51-9111	Packaging and Filling Machine Operators and Tenders	4,359	4,156	-203	-4.66	0	208	208	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.86	\$9.97	\$16.86
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	211	201	-10	-4.74	0	8	8	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.84	\$9.38	\$11.95
51-9122	Painters, Transportation Equipment	64	62	-2	-3.12	0	2	2	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.63	\$8.52	\$9.47
51-9123	Painting, Coating, and Decorating Workers	48	47	-1	-2.08	0	2	2	Less than high school	None	Moderate-term on-the-job training	\$7.81	\$9.10	\$14.08
51-9191	Adhesive Bonding Machine Operators and Tenders	82	78	-4	-4.88	0	4	4	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.82	\$9.31	\$14.61
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	337	320	-17	-5.04	0	16	16	Less than high school	None	Moderate-term on-the-job training	\$7.73	\$9.07	\$14.66
51-9196	Paper Goods Machine Setters, Operators, and Tenders	220	220	0	0.00	0	4	4	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.81	\$9.32	\$13.99
51-9198	Helpers--Production Workers	2,421	2,441	20	0.83	20	90	110	Less than high school	None	Short-term on-the-job training	\$7.76	\$9.05	\$14.10
51-9199	Production Workers, All Other	4,166	4,022	-144	-3.46	0	207	207	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.96	\$11.11	\$18.35
53-0000	Transportation and Material Moving Occupations	58,810	58,772	-38	-0.06	425	2,743	3,168	NA	NA	NA	\$7.68	\$8.77	\$14.48
53-1000	Supervisors of Transportation and Material Moving Workers	2,394	2,368	-26	-1.09	0	120	120	NA	NA	NA	NA	NA	NA
53-1011	Aircraft Cargo Handling Supervisors	99	92	-7	-7.07	0	5	5	High school diploma or equivalent	Less than 5 years	None	\$10.98	\$17.48	\$33.60
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	990	979	-11	-1.11	0	50	50	High school diploma or equivalent	Less than 5 years	None	\$8.66	\$13.76	\$22.46
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	1,305	1,297	-8	-0.61	0	65	65	High school diploma or equivalent	Less than 5 years	None	\$8.49	\$13.03	\$22.28
53-2000	Air Transportation Workers	490	454	-36	-7.35	2	28	30	NA	NA	NA	NA	NA	NA
53-2011	Airline Pilots, Copilots, and Flight Engineers	132	119	-13	-9.85	0	7	7	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training	NA	NA	NA
53-2012	Commercial Pilots	93	84	-9	-9.68	0	5	5	High school diploma or equivalent	None	Moderate-term on-the-job training	NA	NA	NA
53-3000	Motor Vehicle Operators	23,683	23,819	136	0.57	298	701	999	NA	NA	NA	NA	NA	NA

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	240	243	3	1.25	3	7	10	High school diploma or equivalent	None	Moderate-term on-the-job training	\$7.63	\$8.49	\$9.40
53-3021	Bus Drivers, Transit and Intercity	785	796	11	1.40	11	25	36	High school diploma or equivalent	None	Moderate-term on-the-job training	\$8.07	\$12.67	\$16.39
53-3022	Bus Drivers, School or Special Client	1,633	1,793	160	9.80	160	52	212	High school diploma or equivalent	None	Short-term on-the-job training	\$7.63	\$8.51	\$9.45
53-3031	Driver/Sales Workers	3,307	3,338	31	0.94	31	101	132	High school diploma or equivalent	None	Short-term on-the-job training	\$7.69	\$8.88	\$21.48
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,567	9,483	-84	-0.88	0	291	291	Postsecondary non-degree award	None	Short-term on-the-job training	\$7.67	\$8.66	\$10.92
53-3033	Light Truck or Delivery Services Drivers	5,826	5,751	-75	-1.29	0	178	178	High school diploma or equivalent	None	Short-term on-the-job training	\$7.68	\$8.78	\$12.66
53-3041	Taxi Drivers and Chauffeurs	2,179	2,272	93	4.27	93	38	131	Less than high school	None	Short-term on-the-job training	\$7.65	\$8.74	\$12.55
53-3099	Motor Vehicle Operators, All Other	146	143	-3	-2.05	0	9	9	High school diploma or equivalent	None	Short-term on-the-job training	\$8.74	\$14.91	\$17.19
53-5000	Water Transportation Workers	281	287	6	2.14	9	17	26	NA	NA	NA	NA	NA	NA
53-5011	Sailors and Marine Oilers	42	40	-2	-4.76	0	3	3	Less than high school	None	Moderate-term on-the-job training	\$7.94	\$10.04	\$16.20
53-5021	Captains, Mates, and Pilots of Water Vessels	211	220	9	4.27	9	12	21	Bachelor's degree	None	None	\$7.94	\$10.67	\$20.81
53-6000	Other Transportation Workers	2,985	2,977	-8	-0.27	25	256	281	NA	NA	NA	NA	NA	NA
53-6021	Parking Lot Attendants	1,795	1,788	-7	-0.39	0	187	187	Less than high school	None	Short-term on-the-job training	\$7.59	\$8.42	\$9.25
53-6031	Automotive and Watercraft Service Attendants	799	824	25	3.13	25	51	76	Less than high school	None	Short-term on-the-job training	\$7.61	\$8.50	\$9.39
53-6061	Transportation Attendants, Except Flight Attendants	241	217	-24	-9.96	0	7	7	High school diploma or equivalent	None	Short-term on-the-job training	NA	NA	NA
53-6099	Transportation Workers, All Other	70	70	0	0.00	0	6	6	High school diploma or equivalent	None	Short-term on-the-job training	\$7.67	\$8.95	\$13.86
53-7000	Material Moving Workers	28,964	28,854	-110	-0.38	91	1,620	1,711	NA	NA	NA	NA	NA	NA
53-7011	Conveyor Operators and Tenders	175	173	-2	-1.14	0	10	10	Less than high school	None	Short-term on-the-job training	\$7.78	\$9.71	\$14.15
53-7021	Crane and Tower Operators	159	146	-13	-8.18	0	11	11	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	\$8.34	\$11.36	\$29.60

PUERTO RICO SHORT TERM OCCUPATIONAL EMPLOYMENT PROJECTIONS

JOBS BY OCUPATION

FIRST QUARTER 2013 TO FIRST QUARTER 2015

SOC Code	Occupation* SOC Title	Employment of First Quarter 2013	Projected Employment of First Quarter 2015	Change (1st Quarter 2013 to 1st Quarter 2015)		Openings Due to			Typical education needed for entry	Work experience in related occupation	Typical on-the-job training	Hourly Wage (\$) 2012 Percentile		
				Numeric	Percent	Growth	Replacement	Total				10%	50%	90%
53-7032	Excavating and Loading Machine and Dragline Operators	357	330	-27	-7.56	0	6	6	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	\$7.89	\$9.46	\$16.60
53-7051	Industrial Truck and Tractor Operators	3,068	2,973	-95	-3.10	0	136	136	Less than high school	None	Short-term on-the-job training	\$7.69	\$8.81	\$14.19
53-7061	Cleaners of Vehicles and Equipment	1,148	1,146	-2	-0.17	0	71	71	Less than high school	None	Short-term on-the-job training	\$7.67	\$8.55	\$9.49
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	16,351	16,322	-29	-0.18	0	1,041	1,041	Less than high school	None	Short-term on-the-job training	\$7.68	\$8.76	\$13.54
53-7063	Machine Feeders and Offbearers	324	304	-20	-6.17	0	13	13	Less than high school	None	Short-term on-the-job training	\$7.73	\$8.89	\$13.21
53-7064	Packers and Packagers, Hand	3,569	3,561	-8	-0.22	0	195	195	Less than high school	None	Short-term on-the-job training	\$7.63	\$8.46	\$9.30
53-7072	Pump Operators, Except Wellhead Pumpers	226	223	-3	-1.33	0	12	12	Less than high school	None	Moderate-term on-the-job training	\$7.83	\$9.08	\$14.56
53-7081	Refuse and Recyclable Material Collectors	3,504	3,594	90	2.57	90	122	212	Less than high school	None	Short-term on-the-job training	\$7.65	\$8.53	\$9.43
53-7199	Material Moving Workers, All Other	43	44	1	2.33	1	2	3	Less than high school	None	Short-term on-the-job training	\$7.67	\$9.21	\$22.30

*Data listed for only occupations providing 30 or more jobs and detail may not add to totals due to the suppression of confidential data.

**Total, All Occupations include self-employed not-incorporated.

NA = Not Available



DEPARTMENT OF
LABOR
AND HUMAN RESOURCES
Commonwealth of Puerto Rico

Silvia Soto Pérez
Acting Assistant Secretary for Planning

Fernando Sulsona Santiago
Director
Bureau of Labor Statistics

Noel Zayas Moró
Economist
Projections Program

Bureau of Labor Statistics
Prudencio Rivera Martínez Building, 17th Floor
505 Muñoz Rivera Avenue
San Juan, Puerto Rico 00918
Phone.: (787)754-5300 Ext. 3042
Fax: 787-772-9439
E mail: nzayas@trabajo.pr.gov

