



2024 OCCUPATIONAL PROJECTIONS BY EDUCATION

THE BIG PICTURE

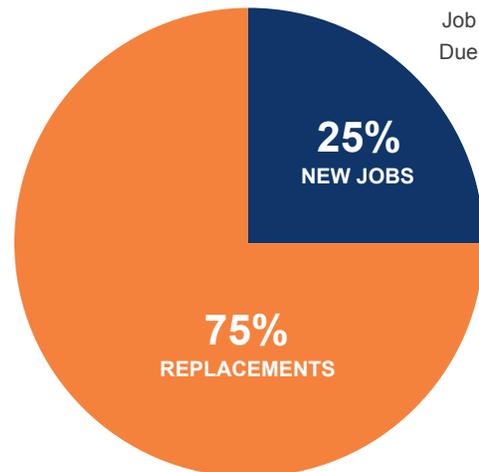
Employment in Rhode Island is projected to grow at all education and skill levels, from jobs requiring less than a high school diploma to those requiring advanced degrees. During the 2014-2024 projection period, it is estimated that employers will need to find workers to fill nearly 40,000 new jobs and to replace nearly 120,000 workers who will leave their jobs for various reasons.

Parallel to the national distribution, jobs requiring a high school diploma for entry into an occupation represent the largest portion of the Rhode Island labor market. Nearly 35 percent of Rhode Island jobs require a minimum of a high school education; on par with the national percentage (36.5%) in this category. Between 2014 and 2024, there are nearly 48,000 openings projected for occupations at this educational level.

Jobs requiring college degrees (Associate, Bachelor's, Master's or Doctoral) represent more than a quarter (29.7%) of the current occupational distribution in Rhode Island, slightly higher than the national average of (27.9%). During the projection period it is estimated that there will be nearly 46,000 openings for occupations requiring a minimum of an Associate degree.

39,438

Job Openings
Due to Growth



119,932

Job Openings Due to
Replacement Needs



EDUCATIONAL REQUIREMENTS FOR EMPLOYMENT IN RHODE ISLAND

Typical Education Needed For Job	EMPLOYMENT		OPENINGS DUE TO		
	2014	2024	Growth	Replacements	Total Openings
Grand Total	506,324	542,400	39,438	119,932	159,370
Doctoral or professional degree	20,798	22,227	1,437	4,378	5,815
Master's degree	9,633	10,349	728	2,073	2,801
Bachelor's degree	107,265	117,443	10,429	23,078	33,507
Associate degree	12,690	13,741	1,093	2,607	3,700
Postsecondary non-degree award	32,203	34,492	2,410	7,252	9,662
Some college, no degree	13,944	13,813	353	2,090	2,443
High school diploma or equivalent	176,515	186,171	11,846	36,137	47,983
No formal educational credential	133,276	144,164	11,142	42,317	53,459

TOP 10 OCCUPATIONS BY EDUCATIONAL ATTAINMENT IN RHODE ISLAND

Doctoral or Professional Degree

These occupations represent 4.1 percent (21,000) of the employment in RI. During the projection period it is expected that the state's economy will generate approximately 5,800 openings requiring a doctoral or professional degree.

Percent of Jobs in RI - 4.1%
Percent of Jobs in USA - 2.7%
Projected Openings in RI - 5,800

Occupation	EMPLOYMENT		Total Openings	Wage
	2014	2024		
Lawyers	4,214	4,461	863	\$54.16
Physical Therapists	1,285	1,574	633	\$37.56
Pharmacists	1,247	1,293	337	\$56.72
Family & General Practitioners	948	1,008	315	\$74.78
Psychologists	891	993	293	\$35.63
Internists, General	771	806	243	#
Surgeons	531	556	168	#
Dentists, General	598	611	135	\$81.38
Medical Scientists, Ex Epidemiologists	305	338	127	\$40.13
Pediatricians, General	358	372	110	\$71.44

Master's Degree

These occupations represent 1.9 percent (10,000) of the employment in RI. During the projection period it is expected that the state's economy will generate approximately 2,800 openings requiring a master's degree.

Percent of Jobs in RI - 1.9%
Percent of Jobs in USA - 1.7%
Projected Openings in RI - 2,800

Occupation	EMPLOYMENT		Total Openings	Wage
	2014	2024		
Mental Health Counselors	778	877	262	\$14.26
Education Administrators, Elementary & Secondary	796	814	249	\$101,380
Education Administrators, Postsecondary	691	722	232	\$46.98
Education Counselors	918	952	226	\$29.08
Healthcare Social Workers	610	679	216	NA
Nurse Practitioners	484	571	201	\$49.87
Occupational Therapists	473	556	174	\$37.23
Speech-Language Pathologists	459	504	161	\$37.15
Art, Drama, & Music Teachers, Postsecondary	649	694	160	\$75,300
Librarians	704	695	132	\$29.99

Bachelor's Degree

These occupations represent 21.2 percent (100,000) of the employment in RI. During the projection period it is expected that the state's economy will generate approximately 33,500 openings requiring a bachelor's degree.

Percent of Jobs in RI - 21.2%
Percent of Jobs in USA - 21.2%
Projected Openings in RI - 33,500

Occupation	EMPLOYMENT		Total Openings	Wage
	2014	2024		
Registered Nurses	12,777	14,249	4,487	\$36.68
General & Operations Managers	6,424	7,020	2,222	\$56.70
Accountants & Auditors	4,450	5,057	1,795	\$35.67
Management Analysts	4,257	5,005	1,338	\$39.53
Secondary School Teachers, Ex Special & Tech Ed	4,193	4,278	1,080	\$67,930
Financial Managers	3,014	3,346	1,046	\$60.87
Elementary School Teachers, Ex Special Education	3,851	3,928	929	\$71,220
Software Developers, Systems Software	1,865	2,324	726	\$51.20
Software Developers, Applications	1,599	2,022	652	\$43.60
Computer Systems Analysts	1,759	2,175	642	\$40.79

TOP 10 OCCUPATIONS BY EDUCATIONAL ATTAINMENT IN RHODE ISLAND

Associate Degree

These occupations represent 2.5 percent (13,000) of the employment in RI. During the projection period it is expected that the state's economy will generate approximately 3,700 openings requiring an associate degree.

Percent of Jobs in RI - 2.5%
Percent of Jobs in USA - 2.3%
Projected Openings in RI - 13,000

Occupation	EMPLOYMENT		Total Openings	Wage
	2014	2024		
Preschool Teachers, Except Special Education	1,631	1,735	581	\$15.82
Paralegals & Legal Assistants	1,164	1,303	395	\$25.38
Dental Hygienists	1,044	1,141	269	\$34.81
Medical & Clinical Laboratory Technicians	670	768	258	\$28.04
Radiologic Technologists	887	929	210	\$32.27
Electrical & Electronics Engineering Technicians	555	598	179	\$28.35
Computer Network Support Specialists	854	922	178	\$22.59
Respiratory Therapists	548	585	166	\$30.95
Physical Therapist Assistants	310	381	161	\$25.62
Web Developers	414	515	154	\$37.99

Postsecondary Non-Degree Award

These occupations represent 6.4 percent (32,000) of the employment in RI. During the projection period it is expected that the state's economy will generate approximately 10,000 openings requiring a postsecondary award.

Percent of Jobs in RI - 6.4%
Percent of Jobs in USA - 6.0%
Projected Openings in RI - 32,000

Occupation	EMPLOYMENT		Total Openings	Wage
	2014	2024		
Nursing Assistants	9,440	10,564	3,256	\$13.60
Automotive Service Technicians & Mechanics	2,870	2,985	883	\$19.12
Hairdressers, Hairstylists, & Cosmetologists	2,667	2,814	833	\$12.19
Heavy & Tractor-Trailer Truck Drivers	3,059	3,322	783	\$19.90
Medical Assistants	2,614	2,717	648	\$15.98
Firefighters	1,673	1,711	523	\$26.31
Licensed Practical & Vocational Nurses	1,137	1,215	402	\$26.79
Supervisors of Fire Fighting & Prevention Workers	671	686	333	\$33.84
Phlebotomists	821	902	252	\$17.66
Dental Assistants	844	862	227	\$18.46

High School Diploma or GED

These occupations represent 34.9% (175,000) of the employment in RI. During the projection period it is expected that the state's economy will generate approximately 48,000 openings requiring a high school diploma or GED.

Percent of Jobs in RI - 34.9%
Percent of Jobs in USA - 36.5%
Projected Openings in RI - 48,000

Occupation	EMPLOYMENT		Total Openings	Wage
	2014	2024		
Customer Service Representatives	9,028	10,093	3,288	\$16.57
Office Clerks, General	9,406	9,678	2,300	\$15.90
Maintenance & Repair Workers, General	4,285	4,682	1,520	\$19.51
Supervisors of Office & Admin Support Workers	6,086	6,615	1,449	\$27.02
Supervisors of Food Preparation & Serving Workers	3,239	3,642	1,365	\$17.67
Sales Reps, Wholesale & Mfg, Ex Tech Products	5,279	5,497	1,304	\$28.65
Supervisors of Retail Sales Workers	5,163	5,288	1,279	\$22.15
Receptionists & Information Clerks	4,073	4,152	1,177	\$14.32
Childcare Workers	3,287	3,382	1,065	\$9.48
Team Assemblers	3,552	3,740	951	\$13.47

No Educational Credential

These occupations represent 26.3 percent (130,000) of the employment in RI. During the projection period it is expected that the state's economy will generate approximately 53,000 openings requiring no formal educational credential.

Percent of Jobs in RI - 26.3%
Percent of Jobs in USA - 27.1%
Projected Openings in RI - 53,000

Occupation	EMPLOYMENT		Total Openings	Wage
	2014	2024		
Retail Salespersons	15,220	16,323	6,378	\$11.16
Waiters & Waitresses	9,656	10,187	5,177	\$9.32
Cashiers	11,365	11,565	5,035	\$9.66
Food Prep & Serving Workers, Including Fast Food	10,795	12,288	4,982	\$9.29
Counter Attendants, Food	3,636	3,994	2,544	\$9.39
Stock Clerks & Order Fillers	6,398	6,759	2,392	\$11.22
Laborers & Freight, Stock, & Material Movers, Hand	5,803	6,349	2,273	\$12.34
Janitors & Cleaners, Ex Maids & Housekeepers	7,193	7,663	1,899	\$11.53
Cooks, Restaurant	4,004	4,699	1,754	\$11.69
Bartenders	3,365	3,802	1,702	\$9.36

TYPICAL WORK EXPERIENCE FOR EMPLOYMENT IN RHODE ISLAND

Typical Work Experience Needed For Job	EMPLOYMENT		OPENINGS DUE TO		
	2014	2024	Growth	Replacements	Total Openings
Statewide Total	506,324	542,400	39,438	119,932	159,370
5 years or more	19,782	21,666	1,922	4,246	6,168
Less than 5 years	52,605	56,549	4,133	10,978	15,111
None	433,937	464,185	33,383	104,708	138,091

TYPICAL ON-THE-JOB TRAINING FOR EMPLOYMENT IN RHODE ISLAND

Typical On-The-Job Training Needed For Job	EMPLOYMENT		OPENINGS DUE TO		
	2014	2024	Growth	Replacements	Total Openings
Statewide Total	506,324	542,400	39,438	119,932	159,370
Internship/residency	25,253	26,190	942	5,672	6,614
Apprenticeship	9,817	11,369	1,554	1,337	2,891
Long-term on-the-job training	21,275	22,898	1,977	5,224	7,201
Moderate-term on-the-job training	76,191	79,423	4,809	15,477	20,286
Short-term on-the-job training	197,052	209,999	13,998	54,760	68,758
None	176,736	192,521	16,158	37,462	53,620

Visit www.dlt.ri.gov/lmi/proj.htm for additional data and tables.



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