



EMPLOYMENT PROJECTIONS

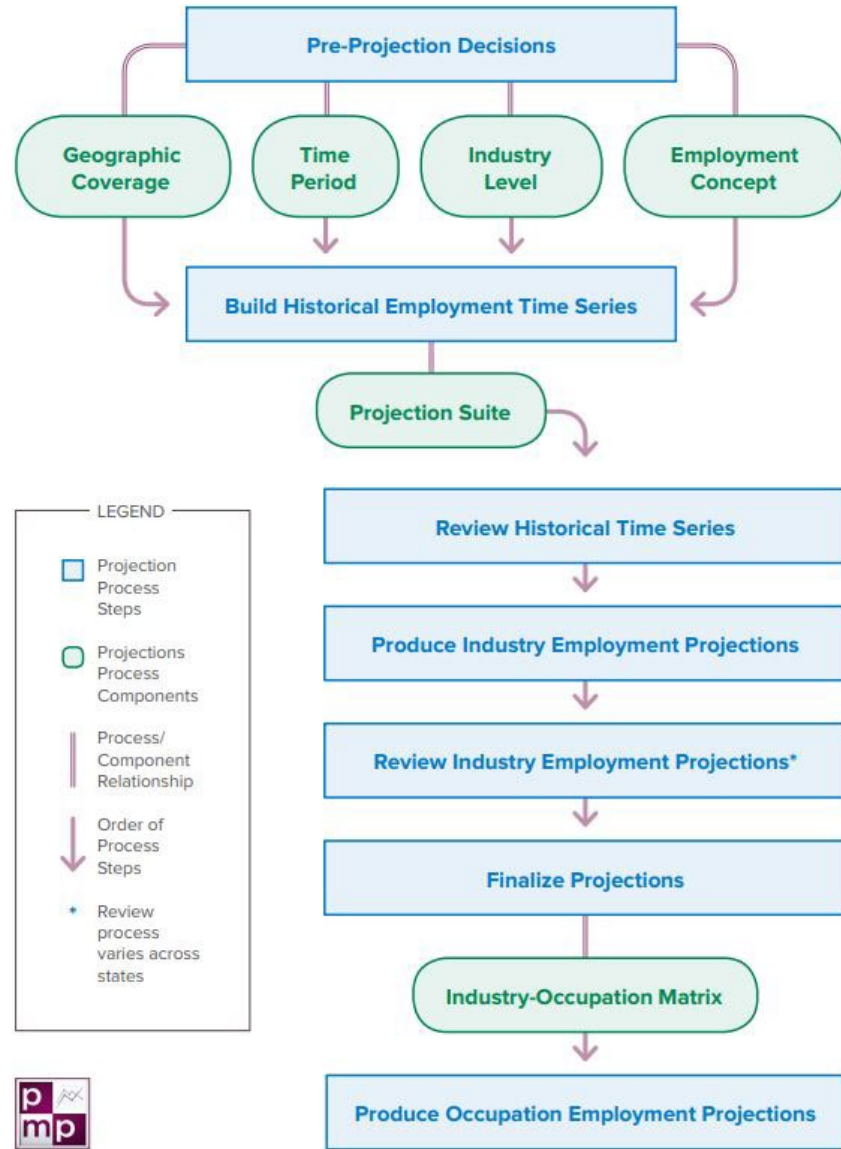
LMI Insights – Webinar 3

September 21, 2022

WHAT ARE EMPLOYMENT PROJECTIONS?

- ▶ The Projections Management Partnership (PMP) is a consortium of states that manage the projections process for US Dept of Labor (USDOL). It provides the methodology, training and software to complete the projections.
- ▶ Ninety-five 3-digit NAICS industries utilize Quarterly Census of Employment and Wages (QCEW), railroad, Census of Agriculture and Bureau of Economic Analysis (BEA) historic employment data as a basis for industry projections. Industry projections utilize a number of statistical and economic development models to forecast future employment levels. Area staffing patterns (the occupational employment that make up each industry) for all industries are applied to projected industry employment to produce projected occupational employment.

Employment Projections Process Flow



EMPLOYMENT PROJECTIONS

- ▶ The result of the projections' process is a set of industry and occupational employment projections that numerous stakeholders use.
- ▶ The latest set of short-term projections is for the period 2021-2023. The latest set of statewide long-term projections is for the period 2020-2030. The latest substate projections are 2018-2028.
- ▶ Labor supply and demand analyses, hot job (above average growth and wages) identification, fastest growing/declining occupations and occupational training assessments for educators are several uses of projection information.

EMPLOYMENT PROJECTIONS

South Carolina Industry Employment Projections, 2020-2030

Industry Code	Industry Title	Base Employment	Projection Employment	Numeric Change	Percent Change
0	Total All Industries	2,080,800	2,342,494	261,694	12.58%
101000	Goods Producing	363,253	384,703	21,450	5.90%
101100	Natural Resources and Mining	15,078	15,321	243	1.61%
101200	Construction	103,662	108,160	4,498	4.34%
101300	Manufacturing	244,513	261,222	16,709	6.83%
102000	Services Providing	1,717,547	1,957,791	240,244	13.99%
102100	Trade, Transportation, and Utilities	402,292	442,942	40,650	10.10%
102200	Information	24,745	29,152	4,407	17.81%
102300	Financial Activities	101,626	113,381	11,755	11.57%
102400	Professional and Business Services	281,872	331,919	50,047	17.76%
102500	Education and Health Services	422,005	480,560	58,555	13.88%
102600	Leisure and Hospitality	226,998	278,871	51,873	22.85%
102700	Other Services (except Government)	97,553	109,959	12,406	12.72%
102800	Government	160,456	171,007	10,551	6.58%

Source: DEW, Employment Projections Program

EMPLOYMENT PROJECTIONS

South Carolina Occupational Employment Projections, 2020-2030

SOC Code	SOC Title	Base Employment	Projection Employment	Numeric Change	Percent Change	Annual Job Openings
00-0000	Total, All Occupations	2,199,746	2,463,016	263,270	12.0	286,596
11-0000	Management Occupations	107,340	122,136	14,796	13.8	10,568
13-0000	Business and Financial Operations Occupations	96,426	110,123	13,697	14.2	10,370
15-0000	Computer and Mathematical Occupations	47,453	55,770	8,317	17.5	4,429
17-0000	Architecture and Engineering Occupations	41,723	46,697	4,974	11.9	3,671
19-0000	Life, Physical, and Social Science Occupations	12,820	14,076	1,256	9.8	1,300
21-0000	Community and Social Service Occupations	30,255	34,153	3,898	12.9	3,623
23-0000	Legal Occupations	16,048	18,125	2,077	12.9	1,435
25-0000	Education, Training, and Library Occupations	108,158	120,313	12,155	11.2	11,075
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	24,846	28,344	3,498	14.1	3,068
29-0000	Healthcare Practitioners and Technical Occupations	131,074	149,535	18,461	14.1	9,617
31-0000	Healthcare Support Occupations	78,846	97,002	18,156	23.0	12,368
33-0000	Protective Service Occupations	48,424	56,171	7,747	16.0	6,387
35-0000	Food Preparation and Serving Related Occupations	194,239	234,618	40,379	20.8	42,071
37-0000	Building and Grounds Cleaning and Maintenance Occupations	83,393	95,118	11,725	14.1	12,704
39-0000	Personal Care and Service Occupations	57,855	69,367	11,512	19.9	10,358
41-0000	Sales and Related Occupations	241,778	259,857	18,079	7.5	34,819
43-0000	Office and Administrative Support Occupations	291,901	300,198	8,297	2.8	33,500
45-0000	Farming, Fishing, and Forestry Occupations	9,532	9,628	96	1.0	1,482
47-0000	Construction and Extraction Occupations	99,532	106,676	7,144	7.2	10,842
49-0000	Installation, Maintenance, and Repair Occupations	93,730	105,521	11,791	12.6	10,603
51-0000	Production Occupations	189,685	201,541	11,856	6.3	22,411
53-0000	Transportation and Material Moving Occupations	194,688	228,047	33,359	17.1	29,899

Source: DEW, Employment Projections Program

EMPLOYMENT PROJECTIONS

► Top Growing and Declining Occupations by Percent Change, 2020-2030

Growing Occupation	Percent Chg.	Declining Occupation	Percent Chg.
Solar Photovoltaic Installers	110.3	Electronic Equipment Installers and Repairers, Motor Vehicles	-54.6
Ushers, Lobby Attendants, and Ticket Takers	66.7	Cutters and Trimmers, Hand	-36.4
Nurse Practitioners	55.2	Parking Enforcement Workers	-30.0
Cooks, Restaurant	49.3	Fabric and Apparel Patternmakers	-24.5
Statisticians	40.7	Legal Secretaries	-18.8
Security and Fire Alarm Systems Installers	38.7	Switchboard Operators, Including Answering Service	-17.7
Physician Assistants	38.2	Data Entry Keyers	-16.2
Information Security Analysts	38.1	Executive Secretaries and Executive Administrative Assistants	-15.9
Logisticians	37.6	Telemarketers	-13.7
Costume Attendants	37.5	Prepress Technicians and Workers	-13.4

Source: DEW, Employment Projections Program

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► Top Growing and Declining Occupations by Numeric Change, 2020-2030

Growing Occupation	Numeric Chg.	Declining Occupation	Numeric Chg.
Laborers and Freight, Stock, and Material Movers, Hand	11,764	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	-1,754
Cooks, Restaurant	11,287	Executive Secretaries and Executive Administrative Assistants	-888
Fast Food and Counter Workers	10,384	Inspectors, Testers, Sorters, Samplers, and Weighers	-779
Home Health and Personal Care Aides	10,102	Legal Secretaries	-409
Retail Salespersons	7,018	Tellers	-313
Waiters and Waitresses	6,893	Switchboard Operators, Including Answering Service	-248
Stockers and Order Fillers	5,880	Data Entry Keyers	-225
Registered Nurses	4,992	Cooks, Fast Food	-208
General and Operations Managers	4,511	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	-199
Heavy and Tractor-Trailer Truck Drivers	4,215	Payroll and Timekeeping Clerks	-187

Source: DEW, Employment Projections Program

LABOR DEMAND ANALYSIS USING EMPLOYMENT PROJECTIONS

Career Cluster	Some College or Associates	Bachelor's	Master's	Doctorate	Total
Agriculture, Food & Natural Resources	78	242	-	-	320
Architecture & Construction	802	1,488	-	-	2,290
Arts, Audio/Video Technology & Communications	657	945	-	-	1,602
Business Management & Administration	2,508	9,473	-	-	11,981
Education & Training	2,372	7,018	1,633	1,424	12,447
Finance	8	4,450	-	-	4,458
Government & Public Administration	-	735	-	-	735
Health Science	8,992	4,402	979	1,061	15,434
Hospitality & Tourism	82	-	-	-	82
Human Services	1,591	1,424	484	89	3,588
Information Technology	1,050	3,177	-	-	4,227
Law, Public Safety, Corrections & Security	1,543	65	-	566	2,174
Manufacturing	1,419	-	-	-	1,419
Marketing	-	2,610	-	-	2,610
Science, Technology, Engineering & Mathematics	45	2,465	163	18	2,691
Transportation, Distribution & Logistics	5,669	467	-	-	6,136
Grand Total	26,816	38,961	3,259	3,158	72,194

JOB JOURNEY USING EMPLOYMENT PROJECTIONS



Job Journey in Health Science

Now

(Requires a high school diploma/GED or equivalent)

	Hourly Wage	Growth
Medical Secretaries	\$16.86	15.36%
Psychiatric Aides	\$13.35	16.88%
Pharmacy Technicians	\$17.26	17.96%
Physical Therapist Aides	\$14.07	25.98%



Next

(Requires Postsecondary non-degree award)

	Hourly Wage	Growth
Nursing Assistants	\$14.07	9.46%
Emergency Medical Technicians and Paramedics	\$18.39	16.25%
Dental Assistants	\$19.29	17.44%
Phlebotomists	\$16.60	27.95%

The Highest Growth SOC Title Within This Cluster is Nurse Practitioners!

The Highest Hourly Wage Within This Cluster is Surgeons!

Then

(Requires an Associate's Degree)

	Hourly Wage	Growth
Nuclear Medicine Technologists	\$37.18	9.38%
Radiologic Technologist	\$27.62	10.81%
Respiratory Therapist	\$29.54	22.65%
Physical Therapist Assistants	\$29.32	35.32%
Veterinary Technologists and Technicians	\$18.38	17.92%



LATER

(Requires four or more years of education beyond high school)

	Hourly Wage	Growth
Surgeons	\$171.43	1.28%
Biomedical Engineers	\$48.07	7.74%
Dieticians and Nutritionists	\$26.36	10.34%
Dentists	\$63.86	14.47%
Physician Assistant	\$46.81	38.22%
Nurse Practitioners	\$49.45	55.16%

Job Journey flyers show the progression of South Carolina Career Clusters throughout four general levels of education. These flyers give examples of SOC job titles within the cluster and targeted education level, along with the mean hourly wage and expected 10-year growth percentage within the job title.



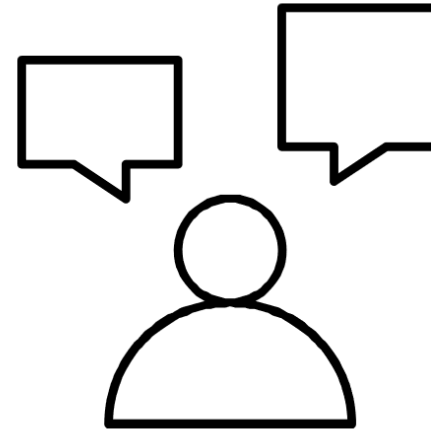
SC Dept. of Employment & Workforce
Labor Market Information
www.scworkforceinfo.com
803-737-2660 (July 2022)

NOTE: Statewide data (local area data will be different). 2021 wages and growth for 2020-30 (projected). Education required varies by employer and experience or on-the-job training may be required at any level.

CAREER PATHWAY USING EMPLOYMENT PROJECTIONS

Career Pathways

Human Services Career Cluster



Childcare Workers

Entry Wage: \$23,120
Growth: +7.64%
Education: High school diploma or equivalent

Community Health Workers

Entry Wage: \$44,920
Growth: +22.65%
Education: High school diploma or equivalent

Child, Family, and School Social Workers

Entry Wage: \$45,710
Growth: +13.04%
Education: Bachelor's degree

Clinical, Counseling, and School Psychologists

Entry Wage: \$65,080
Growth: +11.59%
Education: Doctoral or professional degree

Psychiatrists

Entry Wage: \$210,340
Growth: +15.16%
Education: Doctoral or professional degree

SC DEPARTMENT OF EMPLOYMENT AND WORKFORCE

Statewide data (local area data will be different). 2021 10th Percentile wages and growth for 2020-30 (projected). Education required varies by employer and experience or on-the-job

CONTACT US!

- ▶ If you need help finding data about our state's workforce, whether it's on our website or not, please don't hesitate to contact LMI.
- ▶ Email address: lmicustomerservice@dew.sc.gov

THANK YOU FOR YOUR TIME!