Overview and Tools to Share

Industry and Occupational Employment in 2030

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NC Department of Commerce

LEAD Teams

County Tier Designations, ED Grant Report, County Annual Wages (JDIG), Star Jobs, NCcareers.org, LMI Tools & Publications

Big Data Analysis, Program Evaluation, Analytic Dashboards, Longitudinal Data System (Common Follow-up System, NCTOWER)
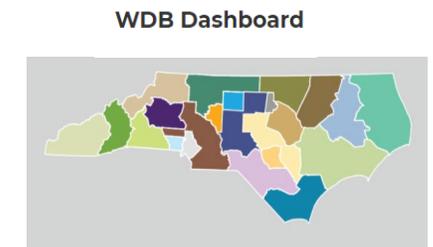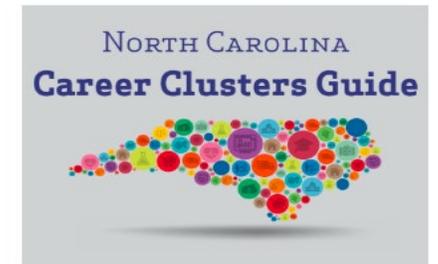
Data Collection & Production: Monthly Unemployment Rates, Industry Employment & Wages,

Occupational Employment & Wages, Employment Projections

Economic & Policy Analysis

Data Analytics & Research

Employment Statistics & Analysis

SAMPLE LIST OF PRODUCTS AND TOOLS

NCcareers.org — DREAM IT. PLAN IT. BE IT.

NC TOWER

NCBOLD

THE LEAD FEED

NORTH CAROLINA STAR JOBS

D4 DEMAND DRIVEN DATA DELIVERY

ACCESSNC — North Carolina Economic Data & Site Information

CFS — NORTH CAROLINA COMMON FOLLOW-UP SYSTEM

LABOR SUPPLY/DEMAND ANALYZER

EMPLOYMENT PROJECTIONS

NC TODAY

LABOR MARKET OVERVIEW

North Carolina Labor Market Conditions

INTEREST PROFILER

NORTH CAROLINA Career Clusters Guide

UI Claim Data Dashboard

OCCUPATIONAL PROFILES

REALITY CHECK

CAREER CLUSTER SURVEY

WDB Dashboard

AGENDA

1. Why Enhancements?

2. Industry Projections

3. Occupation Projections

4. How you can get this information
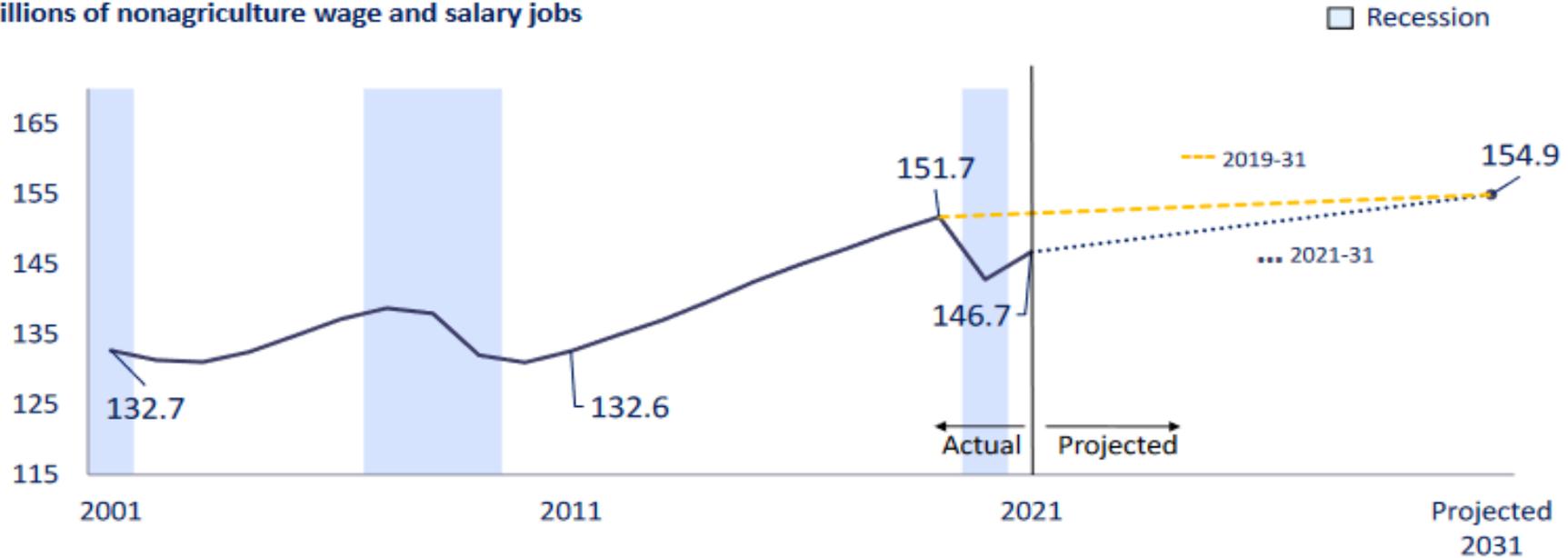
5. Questions?

NATIONAL CONTEXT

- Demographics impacts the long-term projections:

  - Civilian noninstitutionalized population and labor force are projected to grow more slowly in the next 10 years.

  - Older workers are projected to be a larger percent of the labor force in 2031.

Total Nonagriculture Wage and Salary Employment

Millions of nonagriculture wage and salary jobs

☐ Recession

151.7

2019-31

154.9

146.7

2021-31

132.7

132.6

Actual | Projected

2001   2011   2021   Projected 2031

23 — U.S. BUREAU OF LABOR STATISTICS • bls.gov

- Industry trends:

  - Growing:
    - Leisure & Hospitality (but to mostly recover towards 2019 levels)
    - Health Care & Social Assistance
    - Construction (modestly)

  - Not Growing:
    - Manufacturing to remain flat
    - Retail Trade largest projected decline.
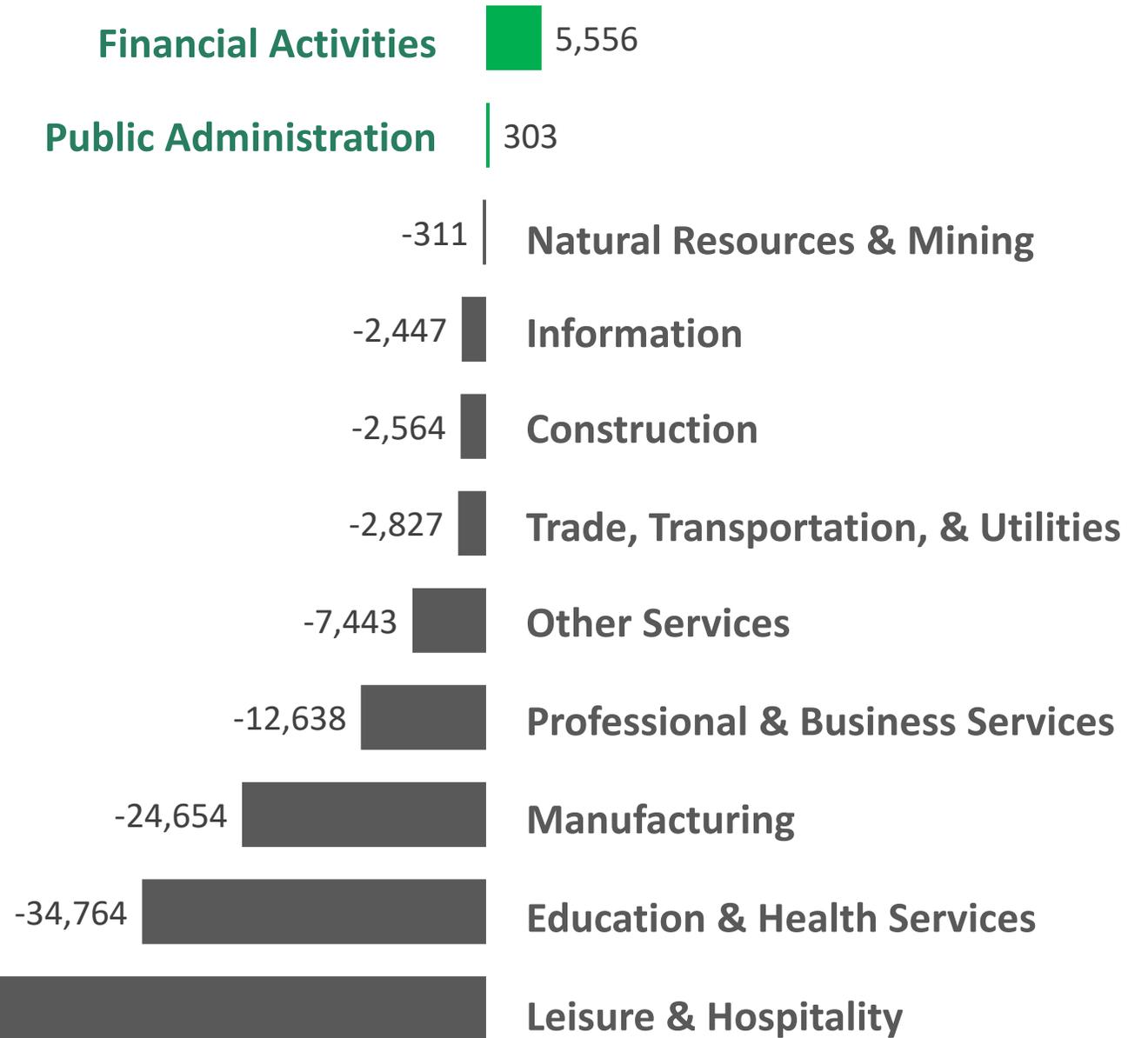
NATIONAL CONTEXT

- Occupation trends:

  - Growing:
    - Healthcare Support
    - Computer & Mathematical
    - Personal Care
    - Food Preparation & Serving Related

  - Declining:
    - Office & Administrative Support
    - Production
    - Sales & Related

CHANGE FROM 2019-2020 BY SUPER-SECTOR

Super-Sector	Change
Financial Activities	5,556
Public Administration	303
Natural Resources & Mining	-311
Information	-2,447
Construction	-2,564
Trade, Transportation, & Utilities	-2,827
Other Services	-7,443
Professional & Business Services	-12,638
Manufacturing	-24,654
Education & Health Services	-34,764
Leisure & Hospitality	-94,652

Source: Quarterly Census of Employment and Wages

!

- 2020 – 2030 Projections were developed from Feb 2022 – June 2022 using historical data through 2020
  - That means we didn't have 2021 data
- As a result, we made enhancements

ENHANCEMENTS

- 'Step Ahead' – we will update the projections' base year to use 2021 data and still project out to 2030
  - This will not project out of trough.
    - Growth rates are more modest
    - Some long-term projections changed more than others, especially in Leisure & Hospitality
- SOC vintage 2018 occupations were utilized!
- Sub-state projections will also have this enhancement and will be produced with a 2021-2030 time frame (May 2023)

INDUSTRY EMPLOYMENT PROJECTIONS: SECTOR

Industry Code	Industry Title	Employment Estimate 2021	Employment Estimate 2030	Annualized Growth Rate (AGR) 2021-2030	Annualized Growth Rate (AGR) 2020-2030	Percent Change 2019-2020
710000	Arts, Entertainment, and Recreation	66,007	82,691	2.5%	3.5%	-24.8%
540000	Professional, Scientific, and Technical Services	289,885	343,361	1.9%	2.0%	1.0%
720000	Accommodation and Food Services	395,334	462,052	1.8%	2.4%	-17.0%
480000	Transportation and Warehousing	199,142	231,060	1.7%	1.8%	8.8%
620000	Health Care and Social Assistance	600,092	676,100	1.3%	1.4%	-2.5%

Industry Code	Industry Title	Employment Estimate 2021	Employment Estimate 2030	Annualized Growth Rate (AGR) 2021-2030	Annualized Growth Rate (AGR) 2020-2030	Percent Change, 2019-2020
711000	Performing Arts, Spectator Sports, and Related Industries	12,190	17,735	4.3%	5.6%	-35.3%
712000	Museums, Historical Sites, and Similar Institution	3,655	5,143	3.9%	5.1%	-28.2%
493000	Warehousing and Storage	56,296	72,000	2.8%	3.4%	37.6%
512000	Motion Picture and Sound Recording Industries	3,717	4,644	2.5%	4.9%	-50.6%
485000	Transit and Ground Passenger Transportation	5,294	6,486	2.3%	2.6%	-11.5%

OCCUPATIONAL PROJECTIONS: GROUPS

Occupation Code	Occupational Group	Employment Estimate 2021	Employment Estimate 2030	Annualized Growth Rate	Average Annual Openings
15-0000	Computer and Mathematical Occupations	167,424	202,024	2.1%	18,159
31-0000	Healthcare Support Occupations	177,757	206,184	1.7%	34,932
39-0000	Personal Care and Service Occupations	99,340	115,132	1.7%	23,015
35-0000	Food Preparation and Serving Related Occupations	385,124	446,033	1.6%	89,297
53-0000	Transportation and Material Moving Occupations	440,956	497,660	1.4%	77,788

OCCUPATIONAL PROJECTIONS

Occupation Code	Occupation Title	Employment Estimate 2021	Employment Estimate 2030	Annualized Growth Rate	2021 Median Annual Wage	Education Level Required
47-2231	Solar Photovoltaic Installers	373	612	5.7%	$37,130	High school diploma or equivalent
49-9081	Wind Turbine Service Technicians	113	170	4.6%	$59,190	Postsecondary non-degree award
29-1171	Nurse Practitioners	7,222	10,558	4.3%	$102,370	Master's degree
35-2014	Cooks, Restaurant	44,767	65,162	4.3%	$28,660	No formal educational credential
15-2041	Statisticians	1,631	2,322	4.0%	$104,670	Master's degree
15-2051	Data Scientists	5,138	7,233	3.9%	$103,810	Bachelor's degree
39-3031	Ushers, Lobby Attendants, and Ticket Takers	1,940	2,728	3.9%	$20,530	No formal educational credential
19-1041	Epidemiologists	101	142	3.9%	$78,870	Master's degree
13-1081	Logisticians	6,252	8,531	3.5%	$63,640	Bachelor's degree
15-1212	Information Security Analysts	5,394	7,341	3.5%	$119,980	Bachelor's degree

OCCUPATION PROJECTIONS: EDUCATION

NC DEPARTMENT of COMMERCE
LABOR & ECONOMIC ANALYSIS

Occupation Code	Occupation Title	Employment Estimate 2021	Employment Estimate 2030	Annualized Growth Rate	2021 Median Annual Wage	Education Level Required
51-9162	Computer Numerically Controlled Tool Programmers	449	589	3.1%	$55,820	Postsecondary non-degree award
31-2011	Occupational Therapy Assistants	1,193	1,537	2.9%	$63,810	Associate's degree
31-2021	Physical Therapist Assistants	2,680	3,452	2.9%	$60,720	Associate's degree
29-2056	Veterinary Technologists and Technicians	4,184	5,288	2.6%	$36,590	Associate's degree
29-9021	Health Information Technologists and Medical Registrars	569	701	2.4%	$47,670	Associate's degree

- Projecting job growth in <u>both</u> **Goods-Producing** & **Services** industries

- Greatest growth in Services, especially:
  - **Leisure & Hospitality***
  - **Professional & Business Services**
  - **Transportation & Warehousing**
  - **Health Care & Social Assistance**

- Greatest occupational growth related to growing industries:
  - **Computer and Mathematical**
  - **Healthcare Support**
  - **Personal Care and Service**
  - **Food Preparation and Serving Related**
  - **Transportation and Material Moving**

- NC Commerce Website:
  - https://www.commerce.nc.gov/data-tools-reports/labor-market-data-tools/employment-projections

- Dashboards:
  - https://analytics.nccommerce.com/Industry-Employment-Projections/
  - https://analytics.nccommerce.com/Occupation-Projections/

- NCcareers.org career portal:
  - https://nccareers.org
  - https://tools.nccareers.org/employmentprojections/industry_employment_projections.html

- NCworks.gov

NC Commerce Website

Every year, the North Carolina Department of Commerce studies national, statewide, and local economic trends to produce long-term and short-term employment projections for state and sub-state areas. Based on historical data, these projections provide a guide for how the state's economic landscape may evolve given the recent economic trends. The current statewide projections cover the years 2021 to 2030. Substate projections for the same period are expected to be released in May 2023. Their associated tools (e.g. interactive dashboard, searchable table) will be updated at that time.

2021-2030 North Carolina Employment Projections Summary (PDF)

Projections Data

Industry Projections ⌄

Occupational Projections ⌄

Star Jobs ⌄

Staffing Patterns ⌄

NC Commerce Website

Industry Projections

- Interactive Tables

- Industry Employment Projections Dashboard

- Download 2021-2030 Statewide Industry Projections Data (Excel)

- Download 2018-2028 Sub-Region Industry Projections Data (Excel)

- Download 2021-2023 Short Term Statewide Industry Projections Data (Excel)

Star Jobs

North Carolina Star Jobs is a new and simplified way to help you identify promising occupations. Star ratings are assigned based on wages, projected growth rate, and projected job openings, and each occupation has a rating of between one and five stars. Occupations with five stars are considered to have much better career prospects than occupations with fewer stars.

2023 Star Jobs

We have developed the 2023 Star Jobs based on the 2021-2030 Occupational Projections. The 723 rated occupations statewide were rated based on a slightly updated methodology.

- Star Jobs Methodology

Statewide Information

- 2023 North Carolina Star Job Ratings (Excel)

Search Star Jobs

Median Wage
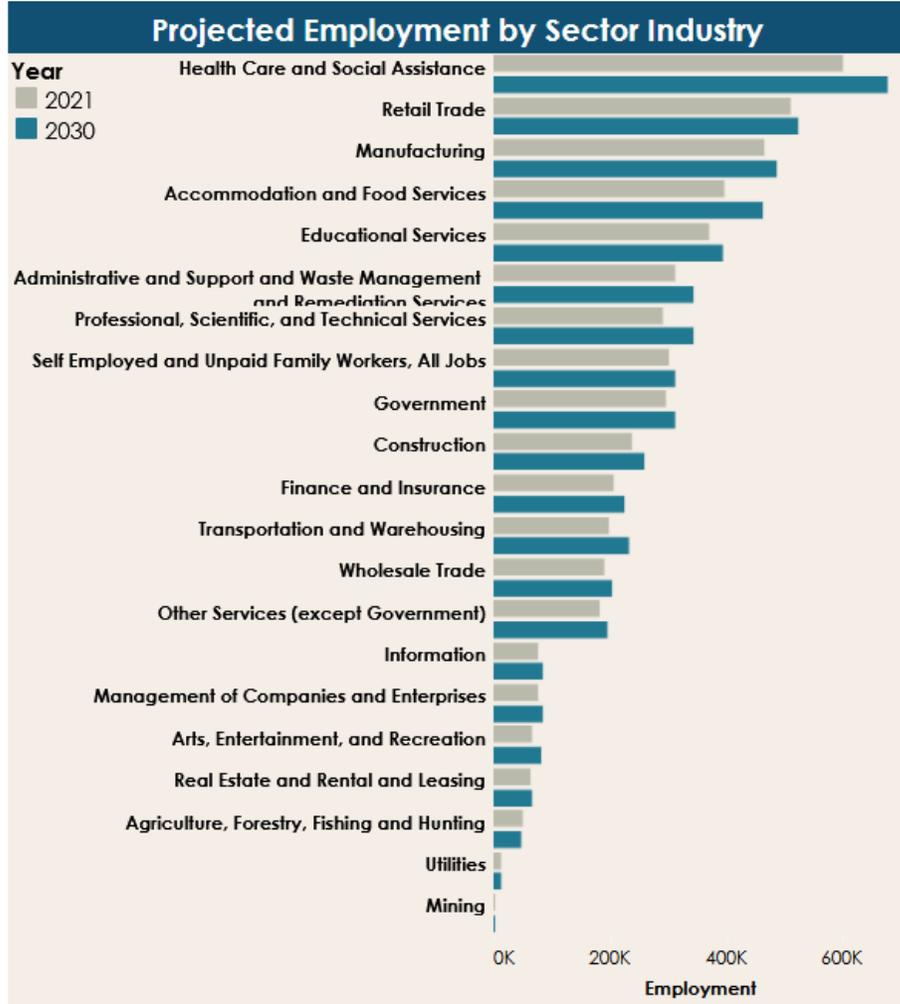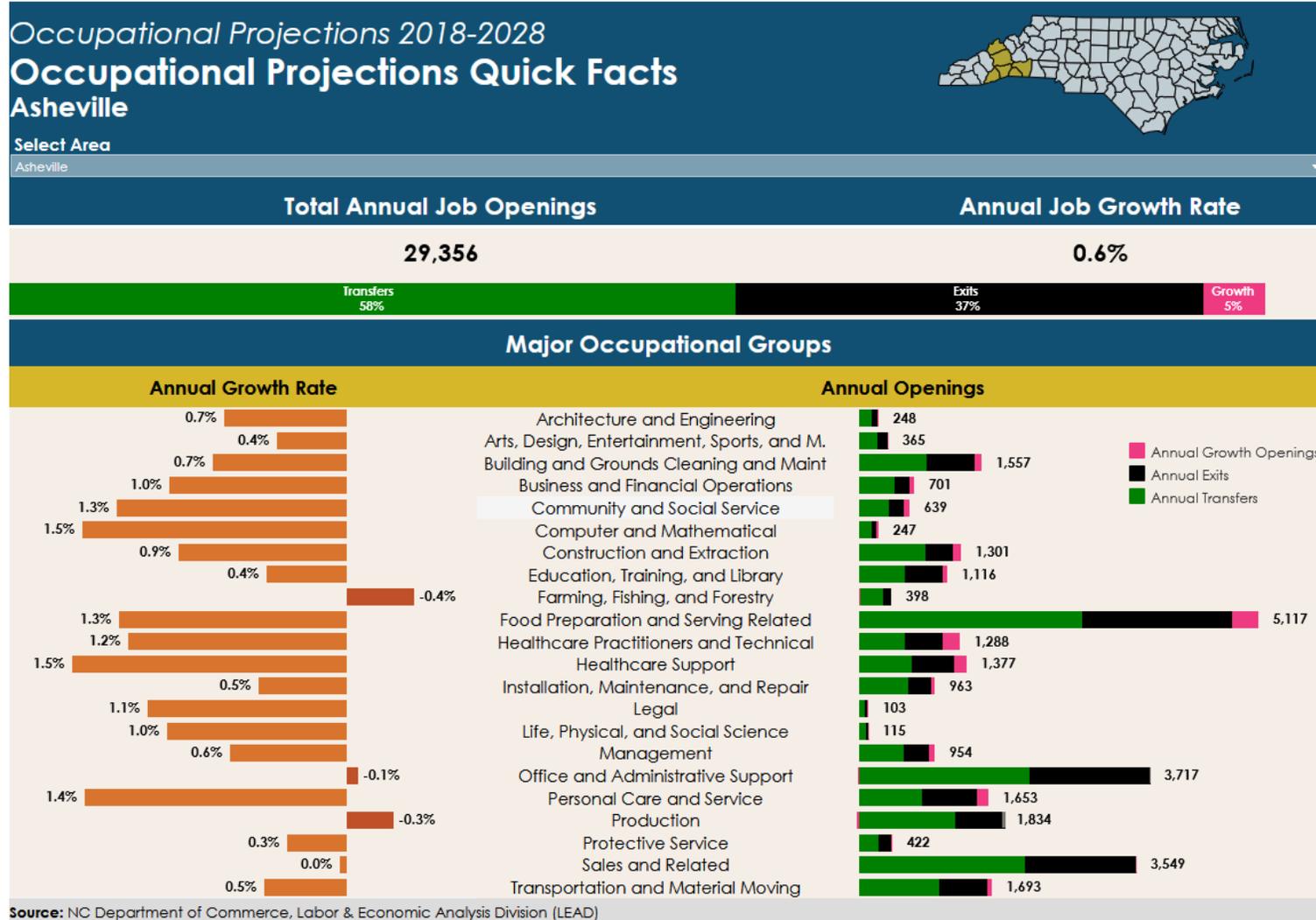
Growth Rate

# of Job Openings
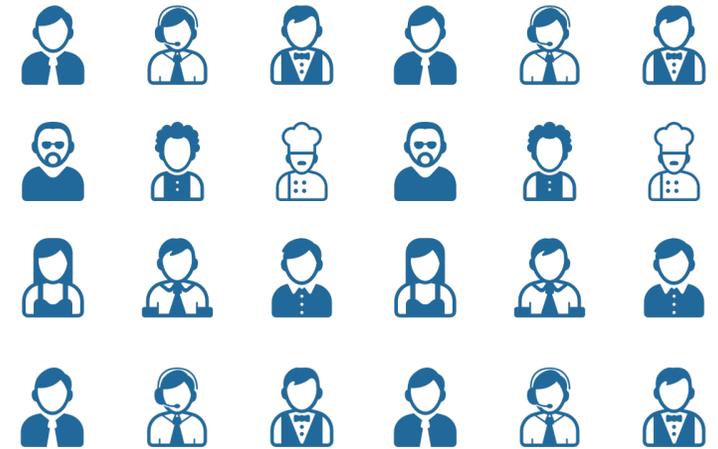
728 Jobs Rated

9.1% ★★★★★

23.1% ★★★★

30.6% ★★★

24.6% ★★

12.6% ★

DASHBOARDS

https://analytics.nccommerce.com/Industry-Employment-Projections/

https://analytics.nccommerce.com/Occupation-Projections/

NCCAREERS.ORG

LEADing Resources

- LEAD at commerce.nc.gov (https://www.commerce.nc.gov/data-tools-reports)
- **LEAD Analytics Dashboards (https://analytics.nccommerce.com/)**
- Demand Driven Data Delivery (D4) (https://d4.nccommerce.com/)
- NCcareers.org career portal (https://nccareers.org)
- LEAD Feed blog (https://www.commerce.nc.gov/news/the-lead-feed)
- LMI Tuesdays (https://www.commerce.nc.gov/documents/lmi-Tuesday)
- Contact us (lead@commmerce.nc.gov) or me (jeff.rosenthal@commerce.nc.gov)

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Questions?
Thank you!

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