

WE ARE YOUR DOL



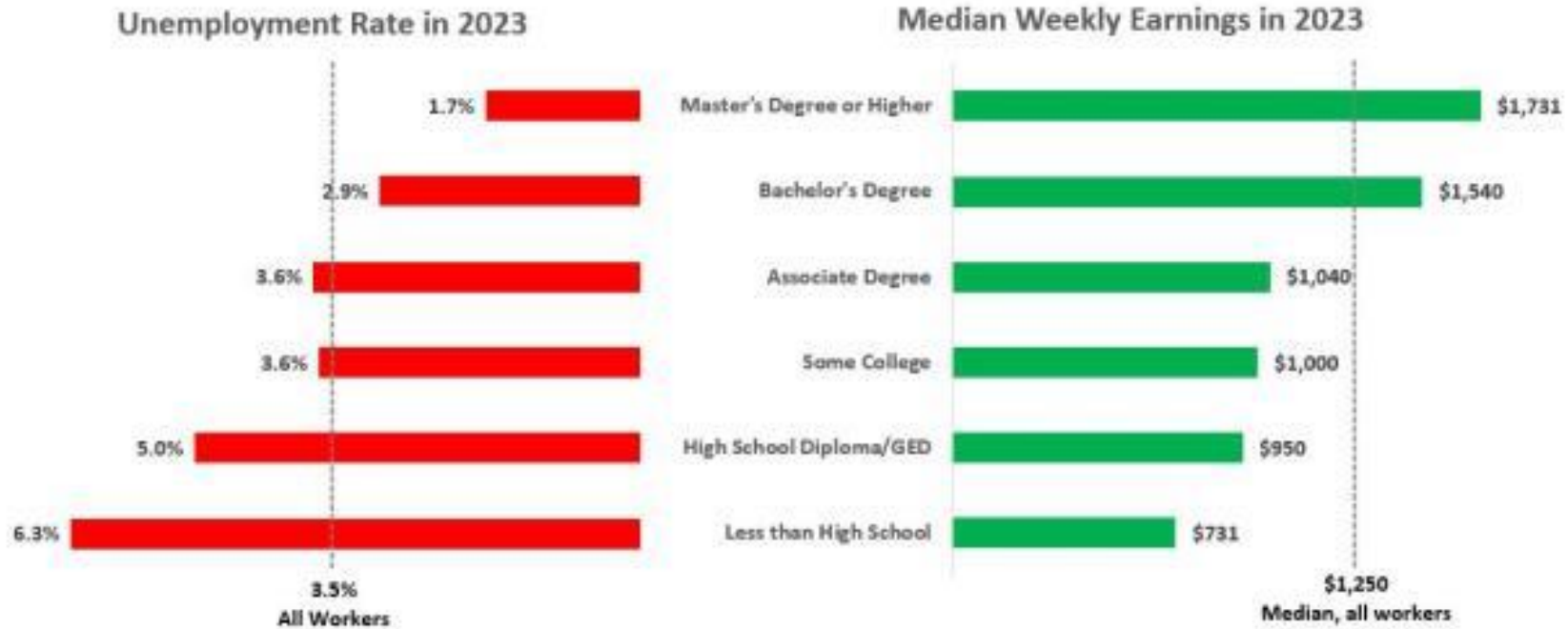
NEW YORK
STATE OF
OPPORTUNITY.

**Department
of Labor**

**CAREERS OF THE FUTURE:
WHAT STUDENTS NEED TO KNOW
ABOUT THE JOB MARKET**

Think you don't need an education? THINK AGAIN!

Unemployment Rates and Weekly Earnings(Full-Time Wage and Salary Workers)
Age 25 and Over by Educational Attainment, New York, 2023



Source: Current Population Survey

Source: Current Population Survey

Education pays in higher earnings and lower unemployment rates.

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Highest Paying Occupations

PRINTER-FRIENDLY 

Highest paying occupations: 20 occupations with the highest median annual pay.

Click on an occupation name to see the full occupational profile.

OCCUPATION	2022 MEDIAN PAY
Oral and maxillofacial surgeons	 This wage is equal to or greater than \$239,200 per year
Surgeons, all other	 This wage is equal to or greater than \$239,200 per year
Pediatric surgeons	 This wage is equal to or greater than \$239,200 per year
Orthopedic surgeons, except pediatric	 This wage is equal to or greater than \$239,200 per year
Radiologists	 This wage is equal to or greater than \$239,200 per year
Physicians, pathologists	 This wage is equal to or greater than \$239,200 per year

It Pays to Stay in School

About 10% of people with just a high school diploma live in poverty, but the percentage doubles to 20% among those with less education.



Average Starting Salaries by Discipline/Bachelor's Degrees

BROAD CATEGORY	2017 AVERAGE SALARY
Engineering	\$66,097
Computer Science	\$65,540
Math & Sciences	\$59,368
Business	\$54,803
Agriculture & Natural Resources	\$54,364
Social Sciences	\$53,459
Communications	\$51,925
Humanities	\$48,733

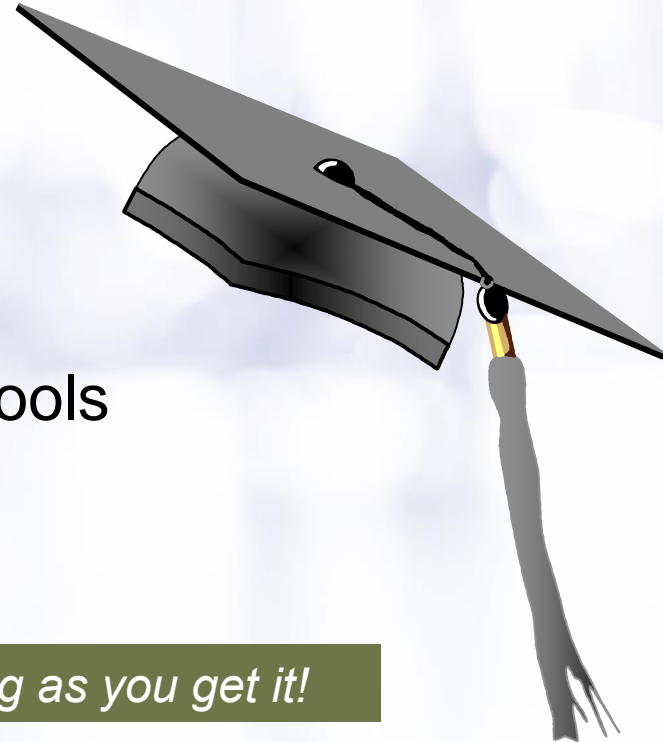


Source: Winter 2017 Salary Survey, National Association of Colleges and Employers

The Best Paying Jobs Require 2 or More Years of Education and/or Training

There are many sources of training:

- Apprenticeship
- On-the-Job Training
- Business Schools
- The Military
- BOCES, Technical Schools
- 2- or 4-year Colleges
- Graduate School



It doesn't matter where you get the training, as long as you get it!

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The most important SKILL employers seek in job candidates is the ABILITY TO COMMUNICATE EFFECTIVELY
Also important is...

- STRONG WORK ETHIC
- TEAMWORK
- INITIATIVE
- INTERPERSONAL SKILLS
- PROBLEM-SOLVING and ANALYTICAL ABILITIES



SOURCE: 2007 NACE survey (National Association of Colleges and Employers)

INCREASE YOUR CHANCES OF BEING HIRED BY HAVING...

- THE ABILITY TO LEARN & RETRAIN
- GOOD COMPUTER SKILLS
- RELATED EXPERIENCE THROUGH INTERNSHIPS, MENTOR RELATIONSHIPS, JOB SHADOWING & OTHER WORK EXPERIENCES
- BEING CREATIVE & FLEXIBLE



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STEM OCCUPATIONS ARE GROWING:

- * **SCIENCE** (biochemist, conservation scientist)
- * **TECHNOLOGY** (computer systems analyst)
- * **ENGINEERING** (civil, electrical, environmental)
- * **MATHEMATICS** (actuary, financial analyst)



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STEM OCCUPATIONS:

- **Require the ability to think logically.**
- **People working in STEM careers locally earned a median wage of \$69,470 a year, which is 41 percent higher than the median annual wage for all workers in the Central New York Region.**
- * **Starting salaries are higher for STEM workers than for workers in many other disciplines.**
- * **Demand for STEM workers is increasing.**



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The median wage of Central New York Region STEM occupations is \$69,470 a year, which is 41 percent higher than the median annual wage of \$49,140 for all workers in the region.

STEM CAREERS: CENTRAL NEW YORK

OCCUPATION	MEDIAN ANNUAL WAGE*
ARCHITECTS, EXCEPT LANDSCAPE AND NAVAL	\$92,987
AUTOMOTIVE SERVICE TECHNICIANS AND MECHANICS	\$49,511
BIOLOGICAL TECHNICIANS	\$50,408
CIVIL ENGINEERS	\$87,108
COMPUTER AND INFORMATION SYSTEMS MANAGERS	\$158,937
DATA SCIENTISTS	\$86,303
DENTISTS, GENERAL	\$176,335
ELECTRICAL ENGINEERS	\$104,984
ENVIRONMENTAL SCIENTISTS AND SPECIALISTS, INCLUDING HEALTH	\$77,914
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	\$59,311
INDUSTRIAL ENGINEERING TECHNICIANS	\$60,701
INFORMATION SECURITY ANALYSTS	\$93,511

Emerging Fields: Combining Science & Technology

Biotechnology

Creating new cures for diseases, new pesticides, fuel sources, etc.

Geospatial Technology

Identifies the location of natural or man-made features on the earth.

Nanotechnology

The study of extremely small elements at the atomic level.

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Emerging Fields:

Combining Science & Technology

Telecom

Broadband & wireless technologies are expanding animation, video & other media.

Energy

Developing economically viable solar power & hydrogen fuel cells.

Space

The long-awaited commercialization of space could open up new frontiers & jobs. Entrepreneurs are eager to enter the space tourism business and even mine asteroids.

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Emerging Occupations/Industries:

Hospitalists (can admit patients to the hospital; 24-hour resource right there within the hospital; someone on-site to deal with any situation that comes up. Increasingly common)

Patient Navigators (health care field; assist patients with serious illnesses (i.e. cancer, diabetes, etc...navigate through the health care system)

Energy Building Auditors (construction field, evaluate green building construction)

Environmental & Green Technology Occupations (solar panel installers etc..)

Social Media Coordinators

Chief Diversity Officers

Biomedical Engineering Technologies (repair medical equipment in hospitals, Dr. offices, etc...)

Emerging Occupations/Industries:

Elder Concierge Services (non-health care services such as household chores, running errands, driving clients to doctor appointments, and companionship activities).

Ethical Hacker (these professionals hack their employers' systems looking for security vulnerabilities).

Chief Listening Officer (closely monitor conversations on social platforms to cultivate the company brand externally and engage with internal feedback).

Cybersecurity

Robotic Engineers

Data Scientists

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Examples of Common Green Jobs:

General & Operations Managers

Engineering Managers

Purchasing Agents, Exc. Wholesale, Retail, & Farm Products

Accountants & Auditors

Mechanical Engineers

Sales Representatives, Wholesale & Manufacturing, Except
Technical & Scientific Products

Bookkeeping, Accounting, & Auditing Clerks

Production, Planning, & Expediting Clerks

Shipping, Receiving & Traffic Clerks

Executive Secretaries & Administrative Assistants

Office Clerks, General

Maintenance & Repair Workers, General



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Examples of Common Green Jobs:

First-Line Supervisors/Managers of Production & Operating Workers

Machinists

Welders, Cutters, Solderers, & Brazers

Construction Laborers

Electricians

Cutting, Punching, & Press Machine Setters, Operators & Tenders, Metal & Plastic

Team Assemblers

Electrical & Electronic Equipment Assemblers

Inspectors, Testers, Sorters, Samplers, & Weighers

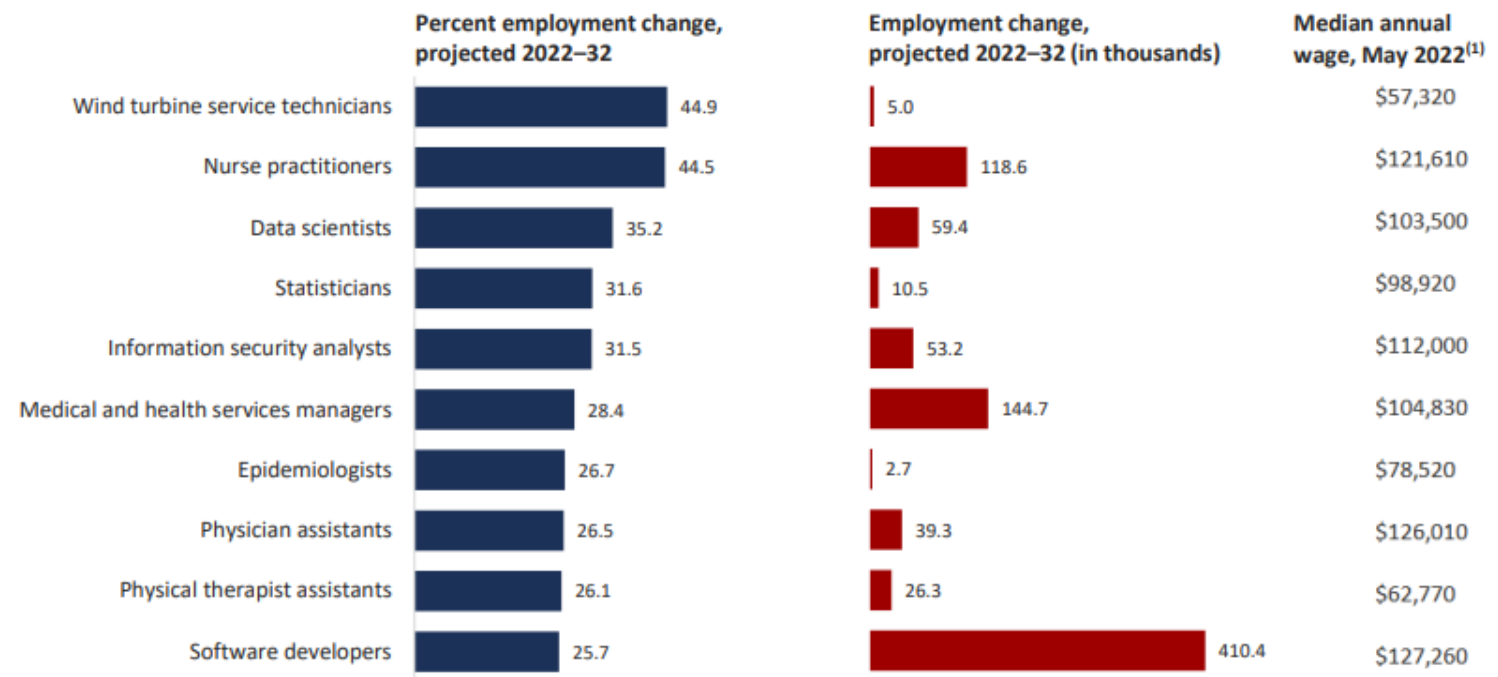
Helpers - Production Workers

Laborers & Freight, Stock, & Material Movers, Hand



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Chart 7. Ten fastest growing occupations, projected 2022–32

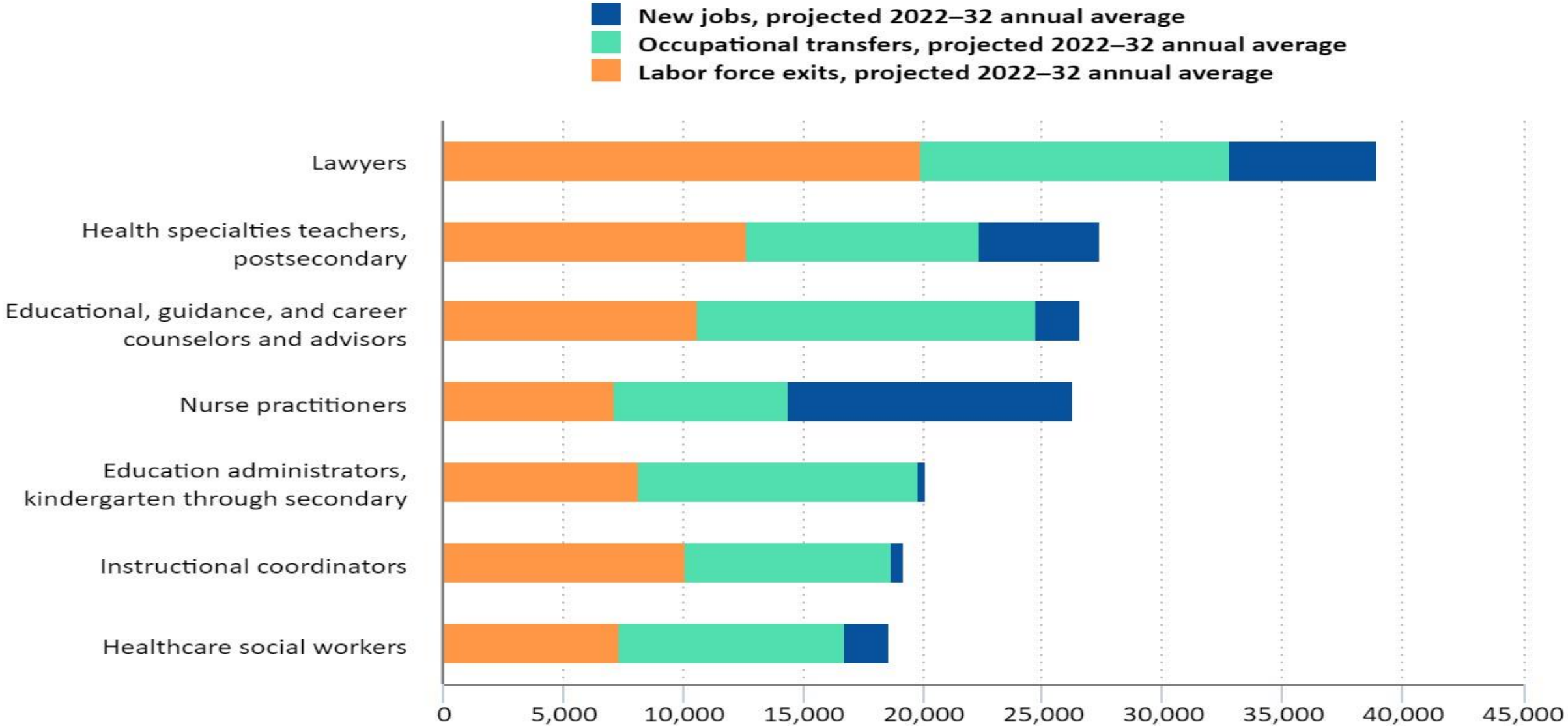


Footnotes:

(1) Data are from the Occupational Employment and Wage Statistics (OEWS) program, U.S. Bureau of Labor Statistics. Wage data cover non-farm wage and salary workers and do not cover the self-employed, owners and partners in unincorporated firms, or household workers.

Source: U.S. Bureau of Labor Statistics

Chart 5. Annual average openings, by source of opening, in selected occupations that require a graduate degree, projected 2022–32

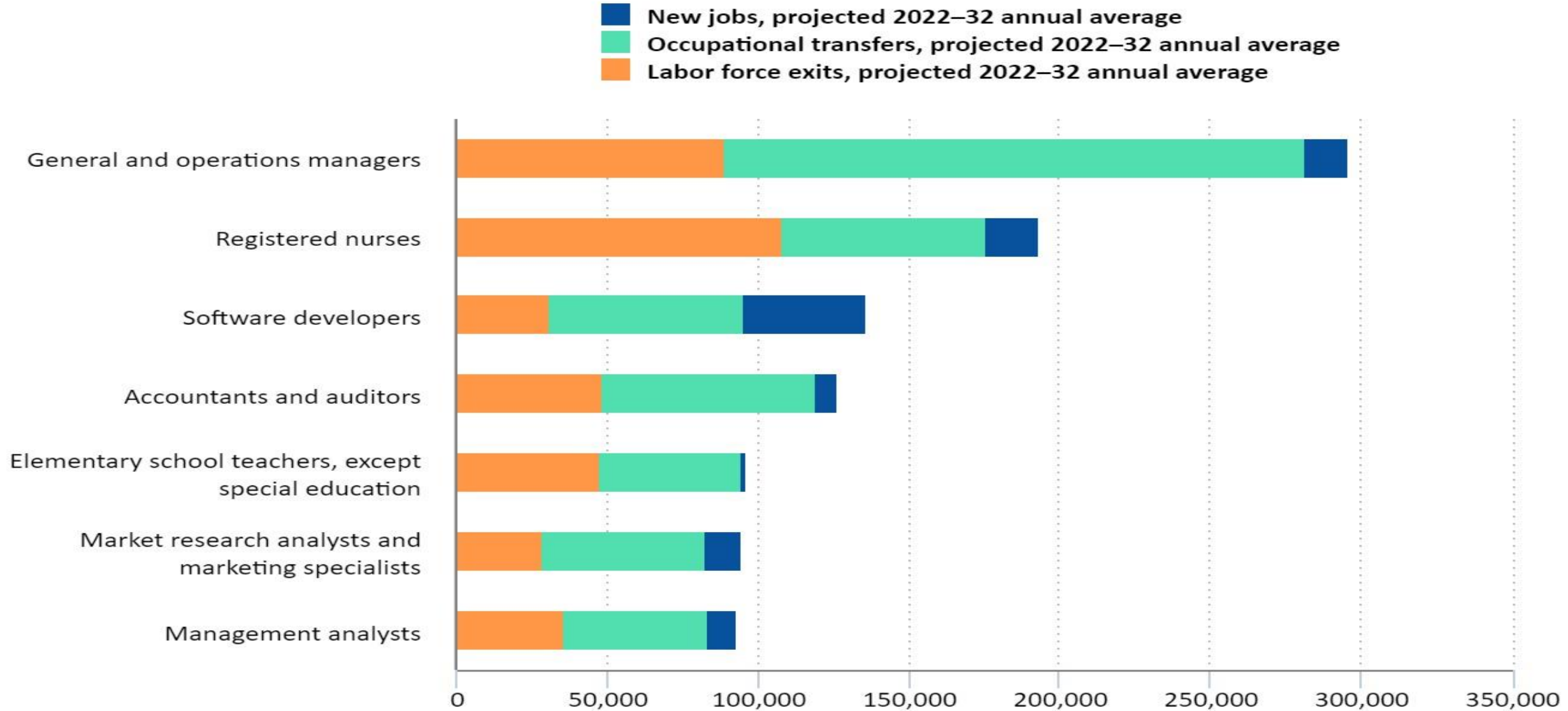


Hover over chart to view data.

Source: U.S. Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections



Chart 4. Annual average openings, by source of opening, in selected occupations that require a bachelor's degree, projected 2022–32



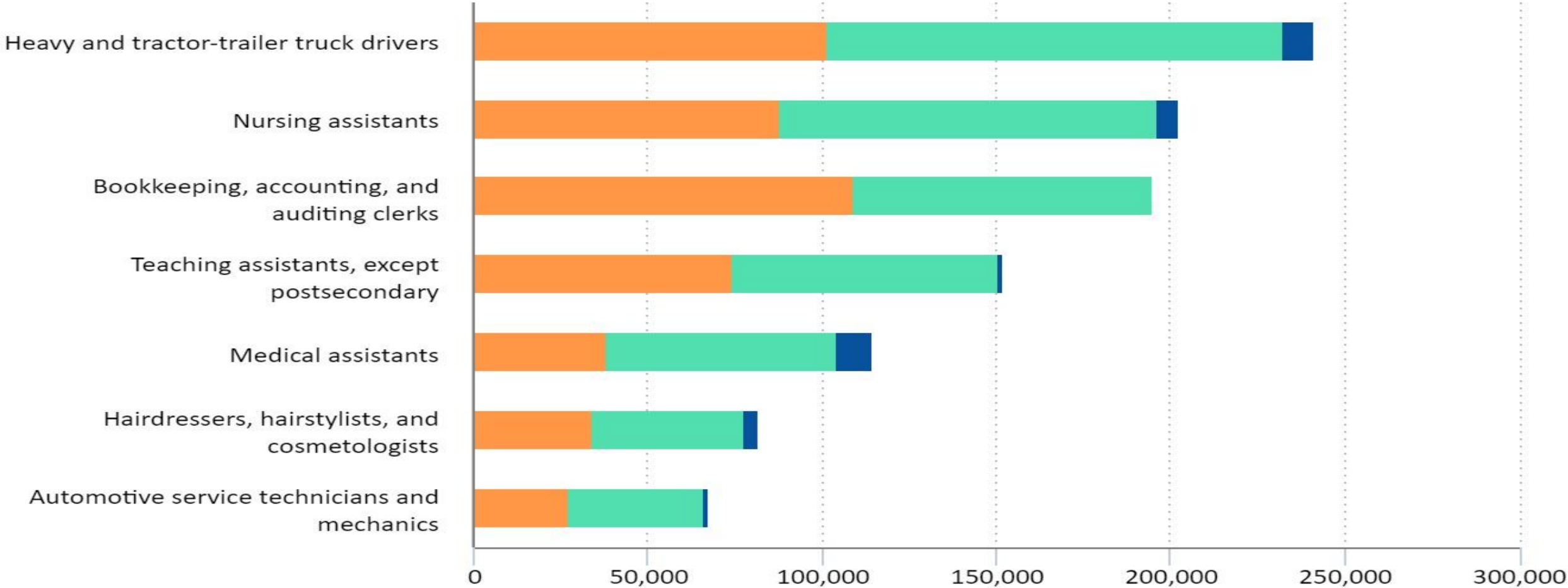
Hover over chart to view data.

Source: U.S. Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections



Chart 3. Annual average openings, by source of opening, in selected occupations that require a more than high school, less than a bachelor's degree, projected 2022–32

- New jobs, projected 2022–32 annual average
- Occupational transfers, projected 2022–32 annual average
- Labor force exits, projected 2022–32 annual average



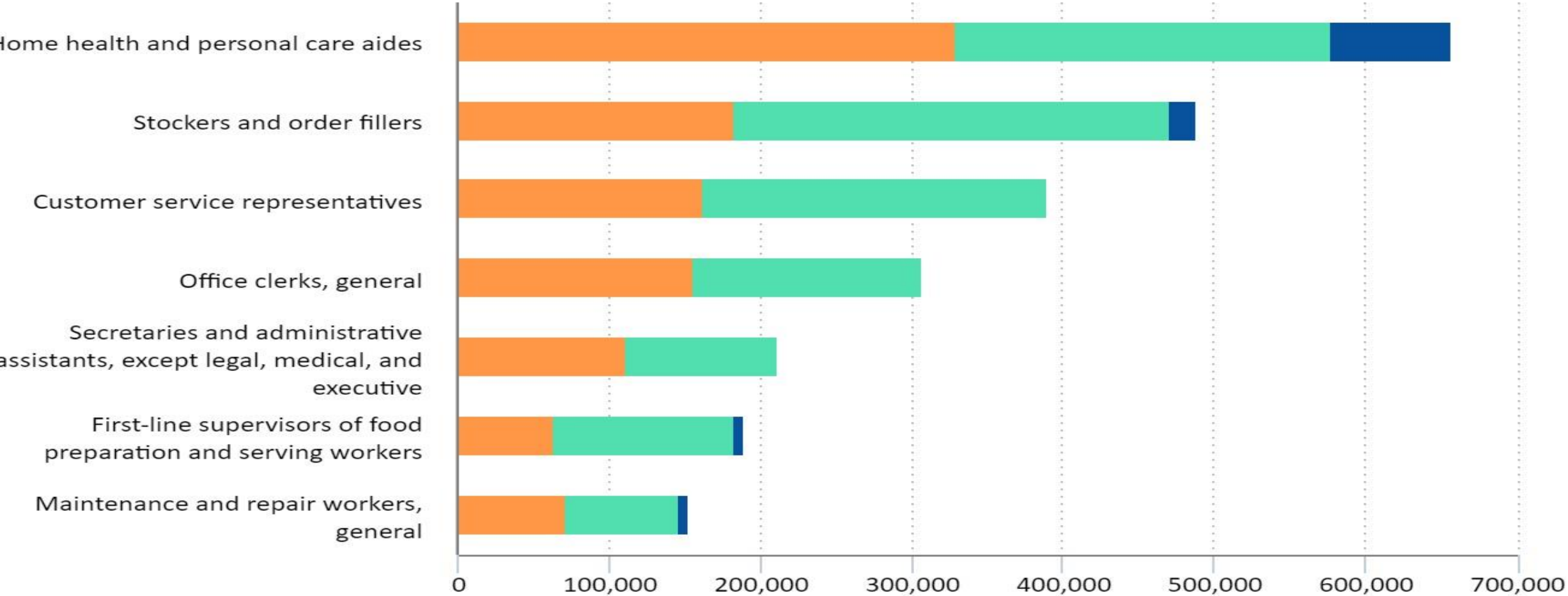
Hover over chart to view data.

Source: U.S. Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections



Chart 2. Annual average openings, by source of opening, in selected occupations that require a high school diploma or equivalent, projected 2022–32

- New jobs, projected 2022–32 annual average
- Occupational transfers, projected 2022–32 annual average
- Labor force exits, projected 2022–32 annual average

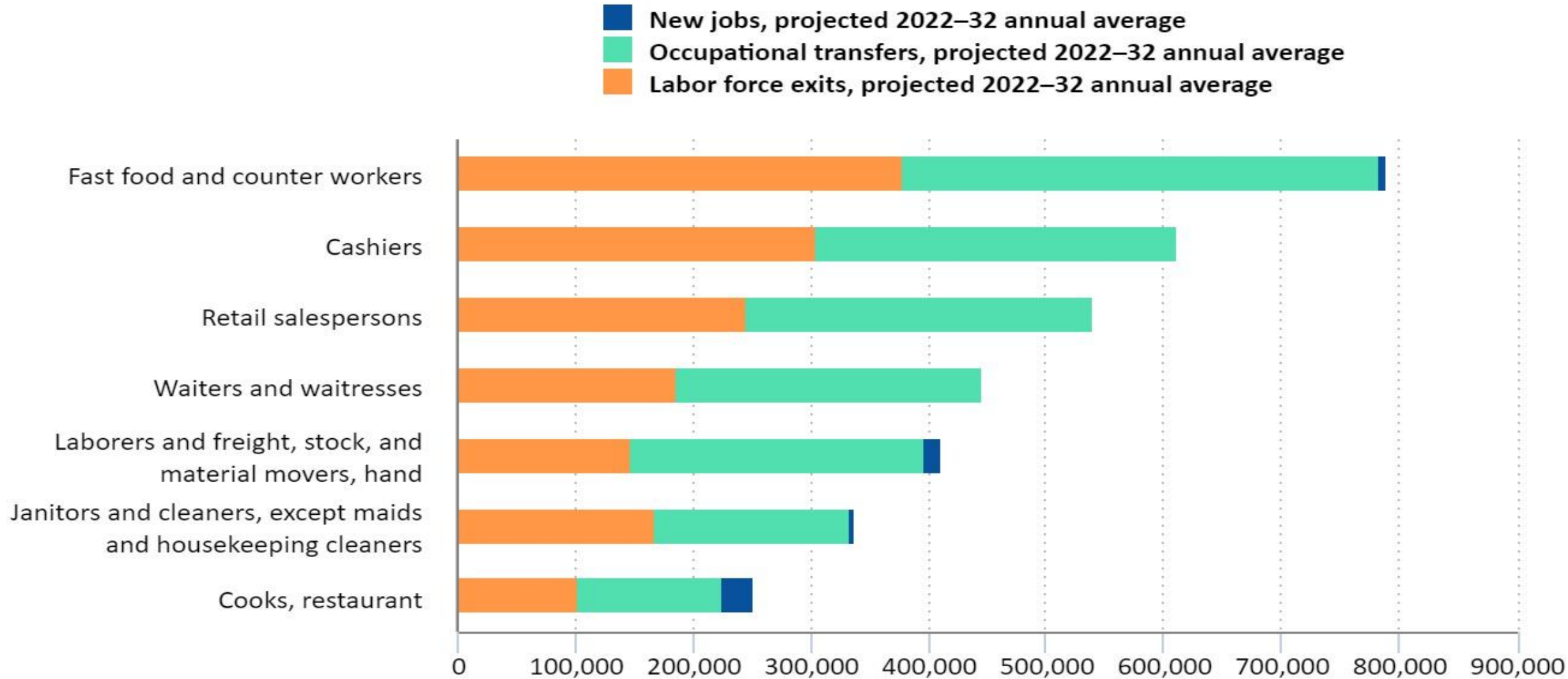


Hover over chart to view data.

Source: U.S. Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections



Chart 1. Annual average openings, by source of opening, in selected occupations that don't require a formal educational credential, projected 2022–32



Hover over chart to view data.

Source: U.S. Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections



Youth-Related Career Information on the WEB

careerzone.ny.gov

A career exploration tool



bls.gov/k12/

Exploring career information – what interests you?

dol.ny.gov

Labor laws for youth, career information, resources

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