

## HEALTH SCIENCE

### ANALYZING EDUCATION, EMPLOYMENT & EARNING DATA

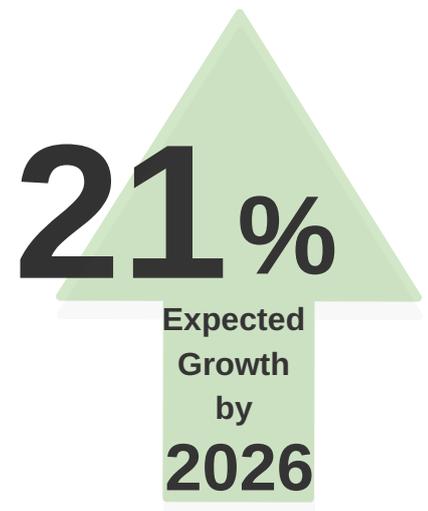


This analysis of the Health Science cluster in the Commonwealth highlights important information for each of its career pathways—Biotechnology Research and Development; Diagnostic Services; Health Informatics; Support Services; and Therapeutic Services.



What trends do we currently see? What trends may we anticipate?

- The Health Science cluster is expected to have the second highest percentage of job growth in Virginia through 2026 (21%). In 2016, there were approximately 306,000 Virginia jobs associated with this cluster, and about 64,000 additional jobs are expected by 2026.
- Although the Support Services pathway is projected to have the highest percentage of employment growth (23%) through 2026, the Therapeutic Services will see the greatest increase in the overall number of jobs (52,941) and have the most annual job openings (24,712) among all pathways in this cluster.
- Forty-four occupations in this cluster are projected to experience greater than 15 percent employment growth between 2016 and 2026.
- Registered Nurses are projected to see the greatest increase in the number of positions by 2026 (9,341).



**21%**  
 Expected  
 Growth  
 by  
**2026**



## EDUCATION

Figure 1 shows the predominant level of education and training in each pathway. Education data was determined by Trailblazers based on U.S. Bureau of Labor Statistics occupational education and training data. The percentages in the graph below reflect the number of occupations, not the number of workers. For example, the Diagnostic Services pathway consists of ten occupations: five of them require an associate's degree or some college (50%), two require an associate's degree or some college and training/certification/work experience (20%), and three require a bachelor's degree or more (30%).

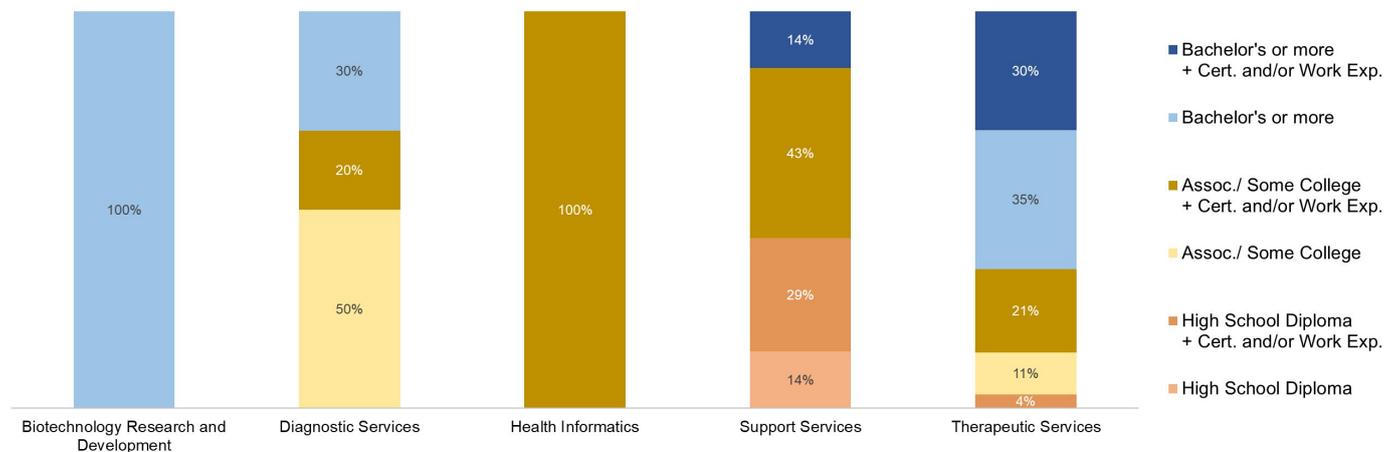


Figure 1: Predominant Education Level for Health Sciences, 2016-2026



## EMPLOYMENT

Figure 2 compares the estimated 2016 employment for each pathway to projected 2026 employment levels. Data are provided by the Virginia Employment Commission.

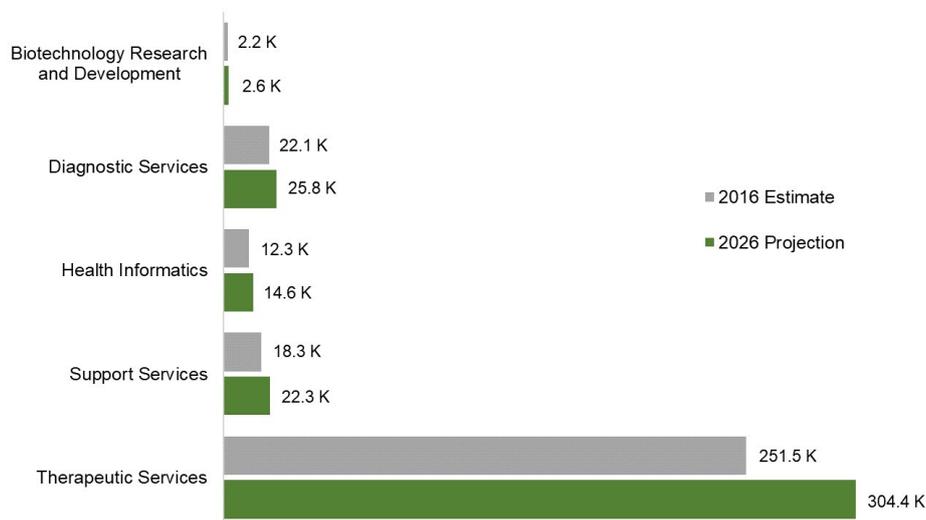


Figure 2: Employment in Virginia for Health Sciences Cluster, 2016-2026

## EARNING AND GROWTH

Figure 3 presents the size and median wages of the occupations in each pathway with the highest projected percentage of growth. Wage data are provided by the U.S. Bureau of Labor Statistics Occupational Employment Statistics program.

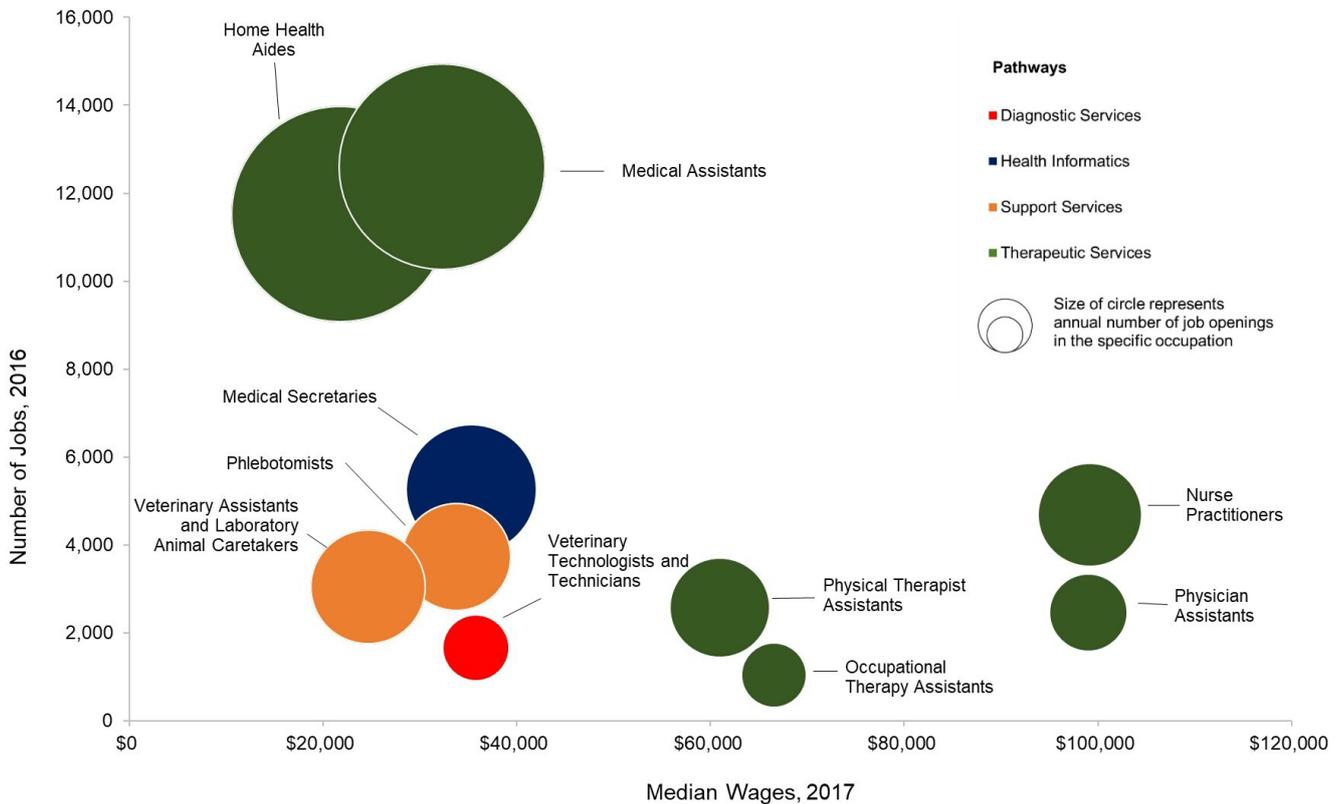


Figure 3: Earning and Growth for Selected Occupations in Virginia, 2016-2026

### Employment Growth by LWIA

The following Labor Workforce Investment Areas (LWIAs) will experience higher occupational growth rates in the Health Science Cluster.

- Northern Virginia
- Bay Consortium
- Hampton Roads
- West Piedmont

### Nontraditional Occupations

#### Nontraditional Occupations for Females

- Chiropractors

#### Nontraditional Occupations for Males

- Medical Records and Health Information Technicians
- Veterinary Assistants and Laboratory Animal Caretakers
- Phlebotomists
- Registered Nurses
- Dental Hygienists