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EDUCATION, EMPLOYMENT & EARNINGS: ANALYZING DATA FROM HEALTH SCIENCES

This Cluster Analysis of *Health Science* in the Commonwealth highlights information important to each of the five pathways — Biotechnology Research and Development, Diagnostic Service, Health Informatics, Support Services, and Therapeutic Services—included in this career cluster.

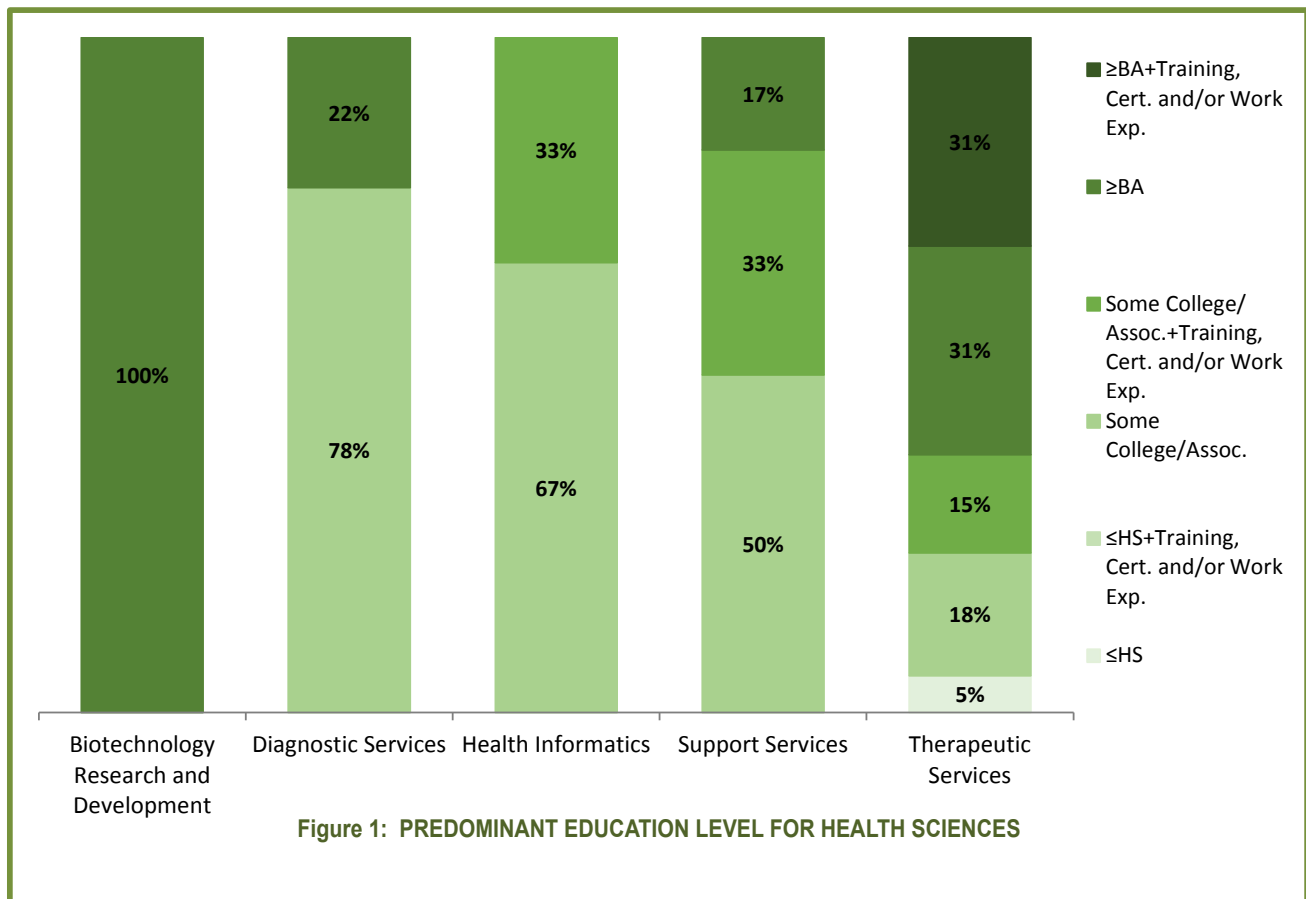What trends do we currently see? What trends may we anticipate?

- The Health Science cluster is the fastest growing cluster in Virginia. It employed approximately 294,000 Virginia workers in 2012, and is expected to employ nearly 77,000 more in 2022.
- The Therapeutic Services pathway includes employment opportunities for the widest variety of educational backgrounds. This is also the pathway expected to see the greatest number of job openings in the years until 2022.
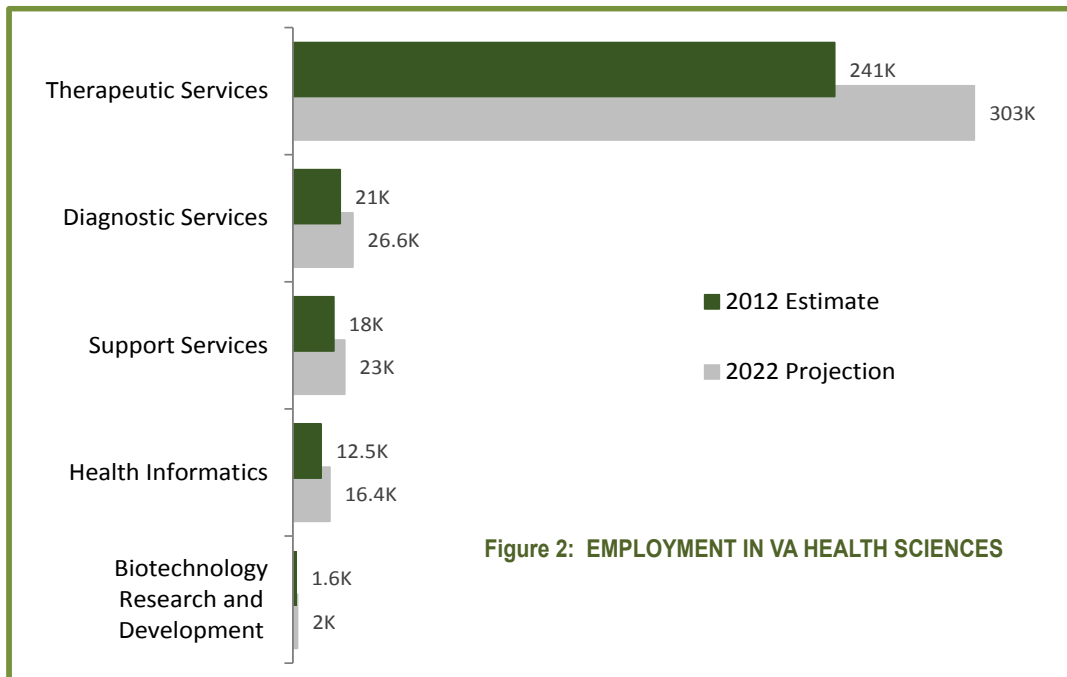- Employment growth is anticipated in all of the pathways found in this cluster.

26%
Expected growth in Health Sciences jobs by 2022.

EDUCATION

Figure 1 shows the predominant level[1] of education and training in each pathway. Education classification is determined by Trailblazers, based on US Bureau of Labor Statistics occupational education and training data.

Figure 1: PREDOMINANT EDUCATION LEVEL FOR HEALTH SCIENCES

Footnote 1: Reflects predominant education by the number of occupations in each pathway, not the number of workers

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EMPLOYMENT

Figure 2 compares the estimated 2012 employment for each pathway to projected 2022 employment levels.

Data are provided by the Virginia Employment Commission.

Figure 2: EMPLOYMENT IN VA HEALTH SCIENCES

EARNINGS AND GROWTH

Figure 3 presents the size and median wage-earning for the two fastest-growing occupations in each pathway. Wage data are provided by the US Bureau of Labor Statistics' Occupational Employment Statistics program.

Figure 3: EARNINGS and GROWTH FOR SELECT OCCUPATIONS IN VA 2012-2022
(Size of circle represents annual number of job openings in the specific occupation)