Office of Career Development

Biostatistics and Bioinformatics

2018 Alumni Survey Report

EMORY

ROLLINS
SCHOOL OF
PUBLIC
HEALTH

✓ This report reflects data collected from the Biostatistics and Bioinformatics (BIOS) alumni from graduate years 2013 and 2015 that responded to the 2018 Alumni Survey.

✓ Alumni data were collected over 3 weeks in November 2018.

✓ The purpose of this report is to show employment information and assess graduates' perceived impact of the education received at the RSPH on their careers at 3- and 5-years post-graduation.

✓ The information in this report is self-reported survey data provided by the BIOS alumni.
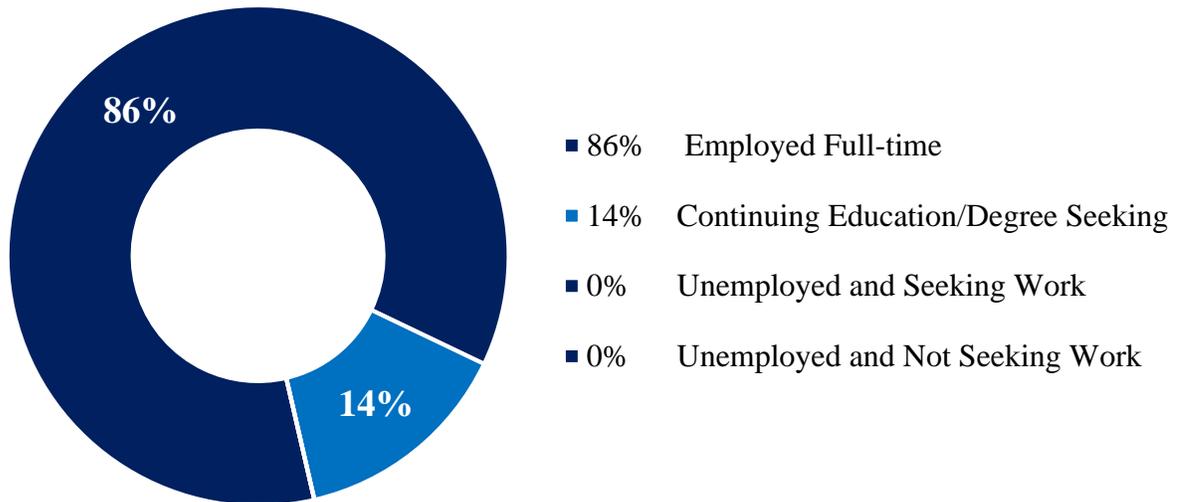
Alumni Graduate Year

Alumni Graduate Year	Total Respondents	Total Graduates	Response Rate
2015 Graduates	3	15	20%
2013 Graduates	4	14	29%
Total	**7**	**29**	**24%**

Biostatistics and Bioinformatics
Alumni Survey Report 2018
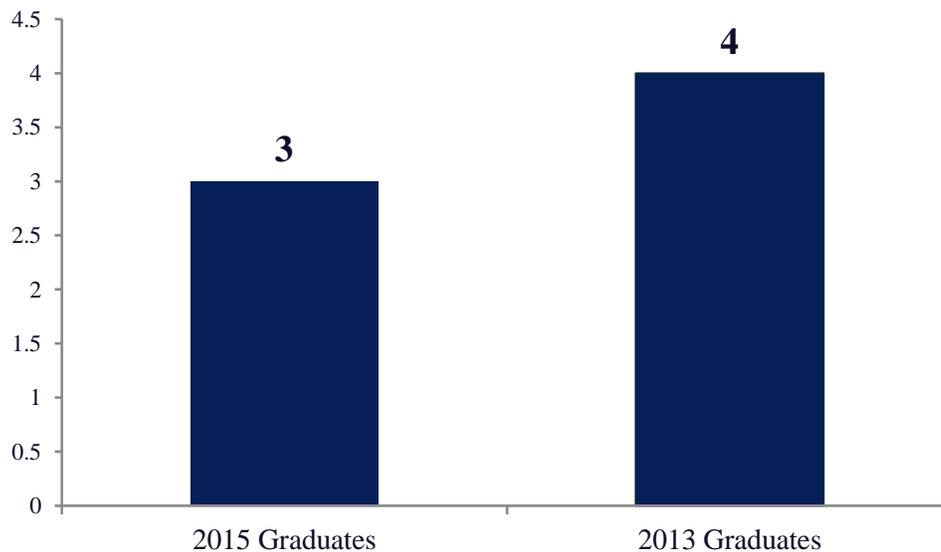
Employment Status

Employment Status	Employed	Unemployed and Seeking Work	Unemployed and Not Seeking Work	Continuing Education/Degree Seeking	Total
Responses	6	0	0	1	**7**
Rate	86%	0%	0%	14%	**100%**

For the BIOS department, there were 0 alumni that reported being unemployed out of the 7 respondents, while only 1 respondent is continuing education. More details about continuing education can be found in its respective section of this report.

- 86% Employed Full-time
- 14% Continuing Education/Degree Seeking
- 0% Unemployed and Seeking Work
- 0% Unemployed and Not Seeking Work

Alumni Location

Plymouth Meeting, PA
Tampa, FL
Gaithersburg, MD
Beijing, China
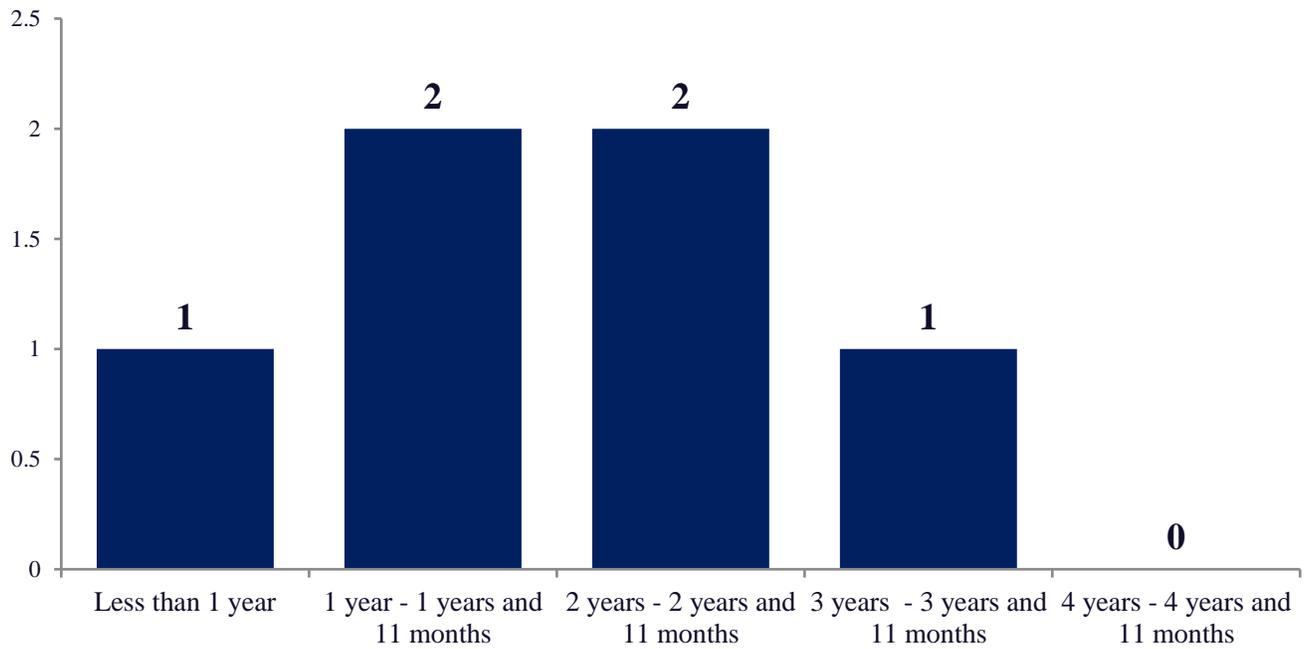Washington, DC
Baltimore, MD
Seattle, WA

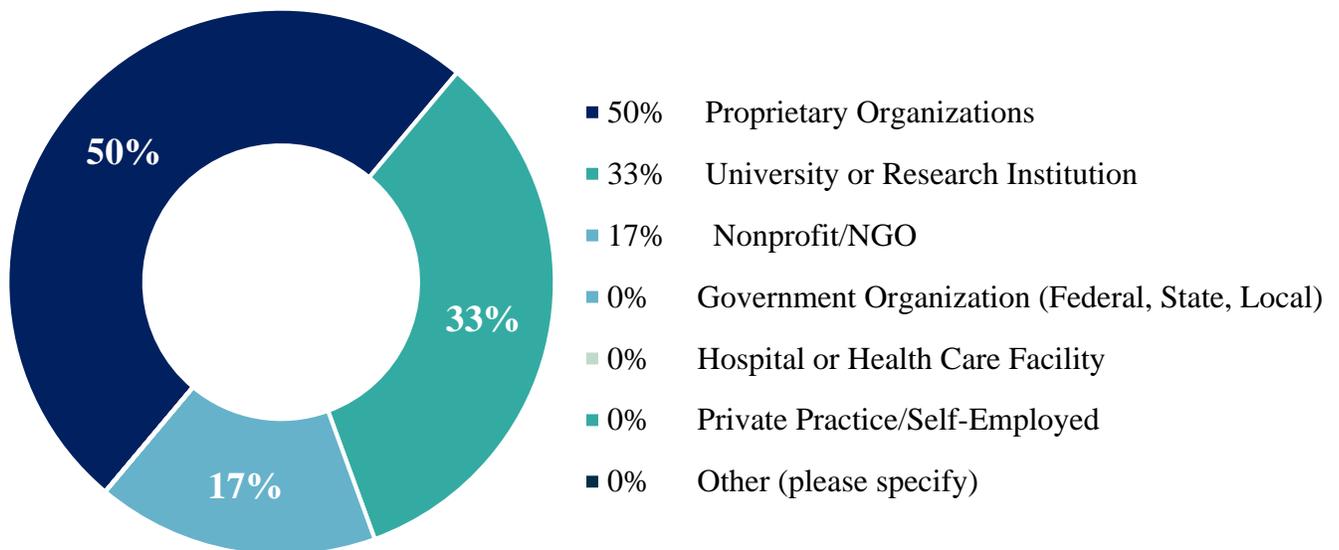# The Employed

Alumni who indicated they are employed

Data included in this section is from the 6 alumni that reported being employed. The number of respondents also varied by question.

Alumni Duration at Current Job

Employment by Sector

- 50% Proprietary Organizations
- 33% University or Research Institution
- 17% Nonprofit/NGO
- 0% Government Organization (Federal, State, Local)
- 0% Hospital or Health Care Facility
- 0% Private Practice/Self-Employed
- 0% Other (please specify)
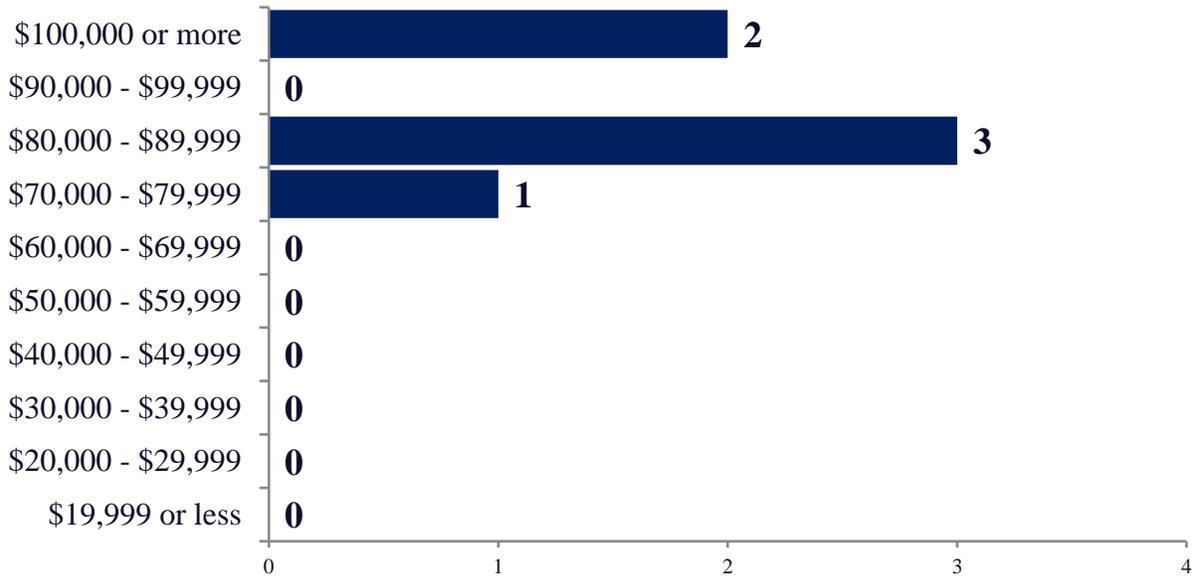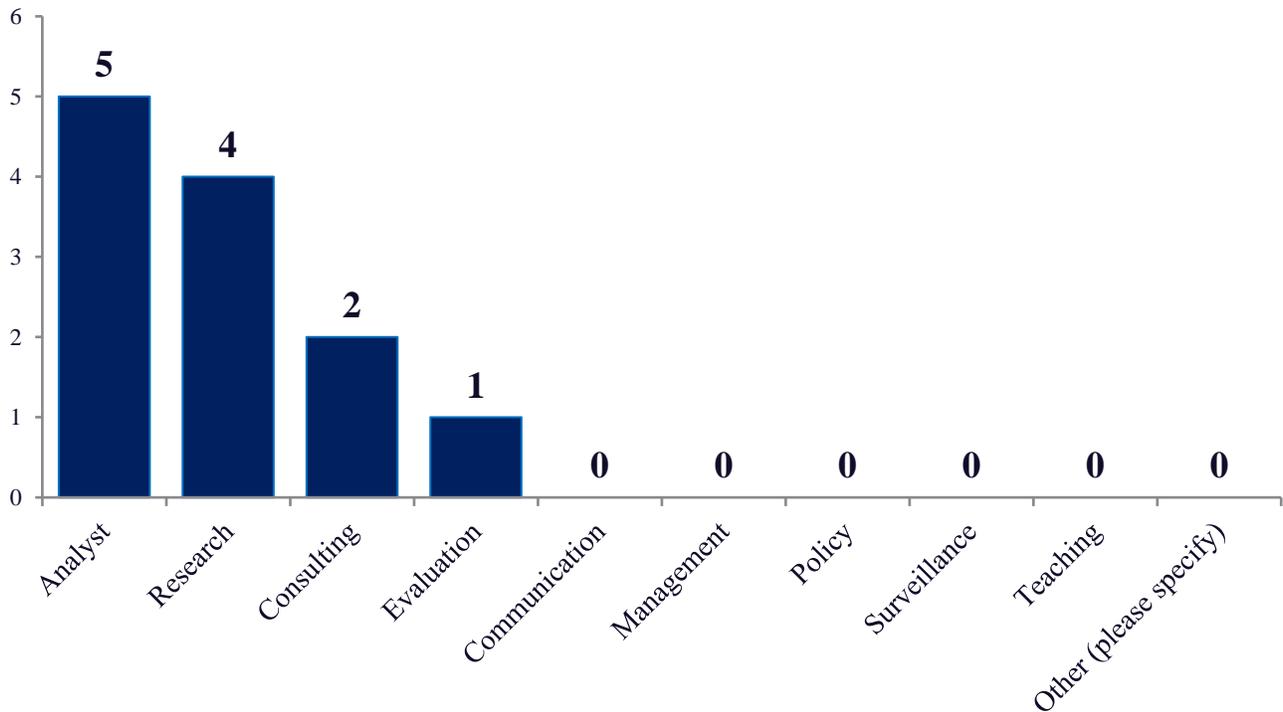
Annual Salary Range

Median Annual Salary Range of alumni 3-and 5-years post-graduation ranged from $80,000 to $89,999.

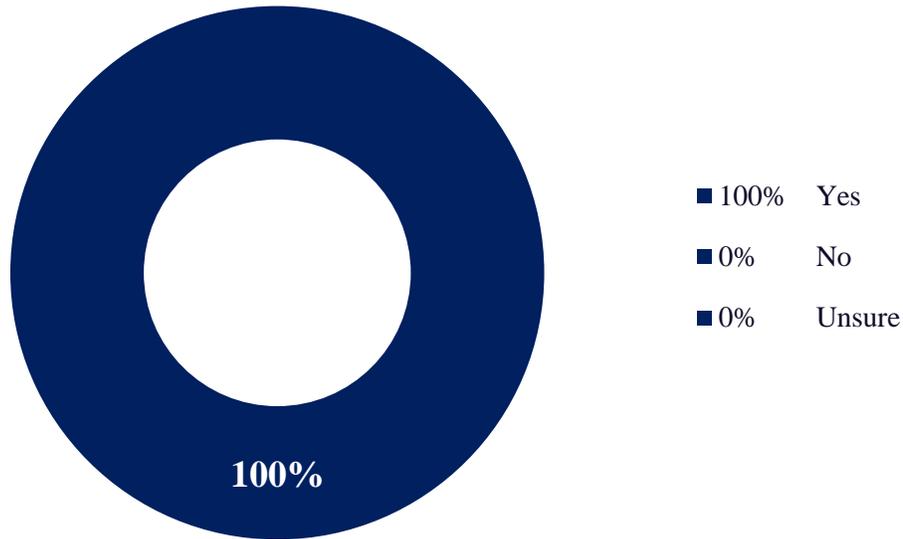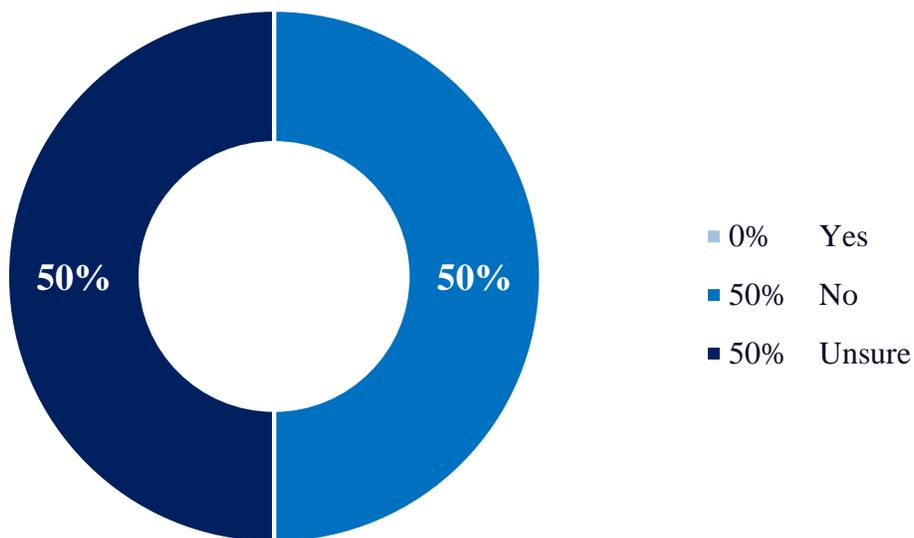| Salary Range	Count
$100,000 or more	2
$90,000 - $99,999	0
$80,000 - $89,999	3
$70,000 - $79,999	1
$60,000 - $69,999	0
$50,000 - $59,999	0
$40,000 - $49,999	0
$30,000 - $39,999	0
$20,000 - $29,999	0
$19,999 or less	0

Alumni Job Duties

Job Duty	Count
Analyst	5
Research	4
Consulting	2
Evaluation	1
Communication	0
Management	0
Policy	0
Surveillance	0
Teaching	0
Other (please specify)	0

Employer Hiring Status

Rate of Alumni Employers Hiring Doctoral Trained Employees

- ■ 100%   Yes
- ■ 0%   No
- ■ 0%   Unsure

Rate of Alumni Employers Hiring Rollins Students

- ■ 0%   Yes
- ■ 50%   No
- ■ 50%   Unsure

Skills that Prepared Alumni for Current Job

Skill	Percentage
Quantitative Data Analysis	100%
Quantitative Data Collection	83%
Data Management	67%
Research	67%
Teamwork	50%
Professional Development	33%
Project Management	33%
Qualitative Data Analysis	33%
Public Speaking	17%
Program Management	17%
Program Monitoring and Evaluation	17%
Training	17%
Other (please specify)	0%
Program Planning (or Development)	0%
Program Assessment	0%
Financial Accounting/Budgeting	0%
Qualitative Data Collection	0%
Health Education	0%
Proposal/Grant Writing	0%

Employer and Job Titles

ORGANIZATION NAME	JOB TITLES
IQVIA	Analyst
AstraZeneca MedImmune	Analyst
Jaeb Center for Health Research	Analyst
Johns Hopkins University Applied Physics Laboratory	Analyst
Meituan Dianping	Analyst
University of Washington	Analyst

CONTINUING EDUCATION

Alumni's Who Indicated they are Continuing Education

Degree Sought by Alumni

There was one alumnus that reported continuing education from the BIOS Department, who is a PHD fellow at Johns Hopkins Bloomberg School of Public Health.
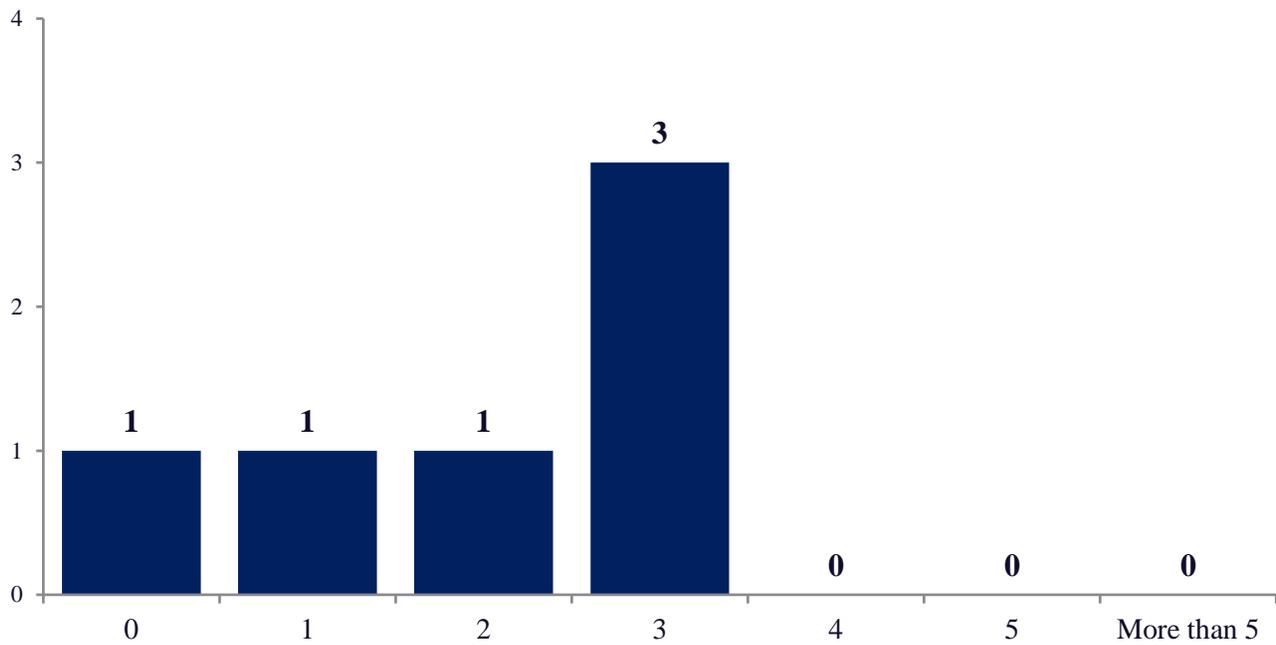
Alumni RSPH Experience

Alumni responses about their experience at Rollins

Number of Full Time Positions since Graduation Held by Alumni

## Basic Competencies and Skills

Alumni rated their level of agreeance regarding the coursework (including practicum, thesis and or/capstone) at the RSPH providing basic competencies and skills required for working in public health/current field.
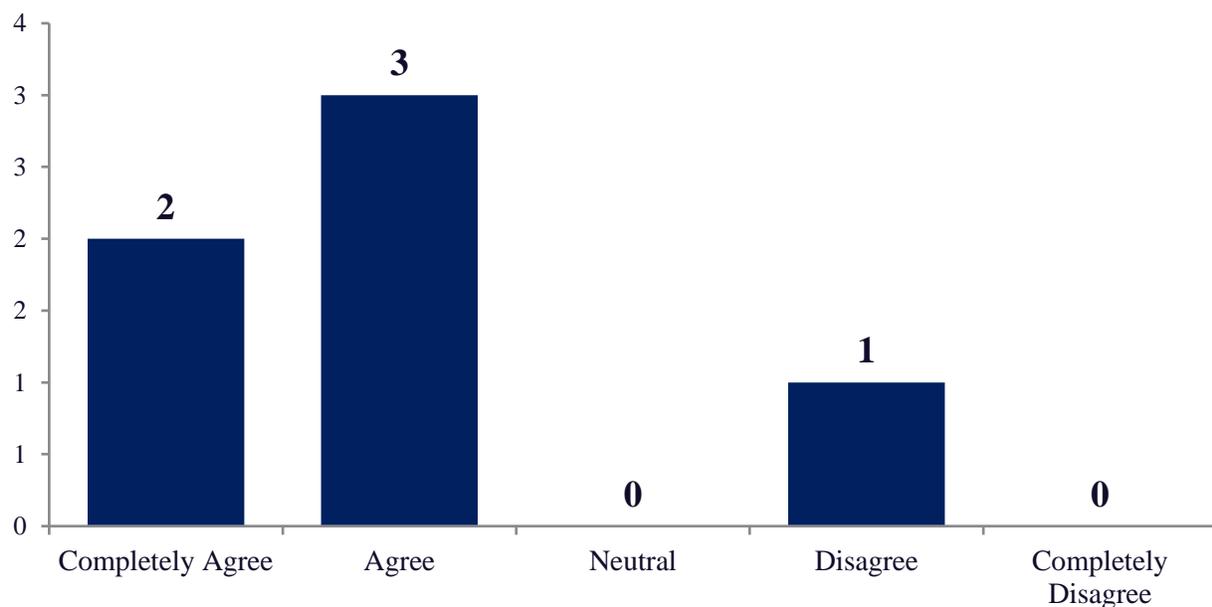
Attainment and Ability to Apply Competencies Post-Graduation in a Past/Current Job

|	Applied Competencies
A	Use analytic reasoning and quantitative methods to address questions in public health and population-based research
B	Describe environmental conditions, including biological, physical and chemical factors that affect the health of individuals, communities and populations
C	Describe the use of epidemiology methods to study the etiology and control of disease and injury in populations
D	Discuss how health policy and finance affect the delivery, quality, access and costs of health care for individuals, communities and populations
E	Describe behavioral, social and cultural factors that contribute to the health and well-being of individuals, communities and populations
F	Assess the global forces that influence the health of culturally diverse populations around the world
G	Apply skills and knowledge in public health setting(s) through planned and supervised experience(s) related to professional career objectives
H	Integrate the broad base of public health knowledge and skills acquired from coursework, practicum and other learning activities into a culminating experience (thesis, special studies project, capstone)
I	Develop the capacity for lifelong learning in public health
J	Apply principles of ethical conduct to public health practice

	Completely Agree	Agree	Not Sure	Disagree	Completely Disagree	Average	Respondents
A	100%	0%	0%	0%	0%	5	6
B	0%	50%	50%	0%	0%	3.5	6
C	50%	33%	17%	0%	0%	4.3	6
D	33%	50%	17%	0%	0%	4.2	6
E	17%	50%	33%	0%	0%	3.8	6
F	0%	50%	17%	33%	0%	3.2	6
G	33%	50%	17%	0%	0%	4.2	6
H	33%	67%	0%	0%	0%	4.3	6
I	50%	50%	0%	0%	0%	4.5	6
J	33%	50%	17%	0%	0%	4.2	6
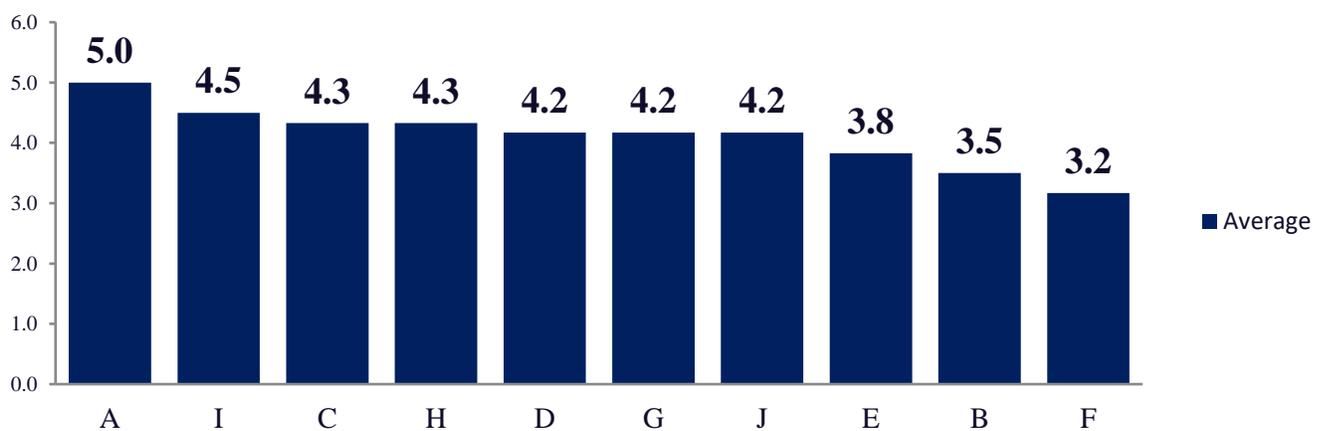
Job Readiness Skills

The table below shows the important skills for job readiness as a public health professional as highlighted by alumni.

|	Skill	Very Important	Moderately Important	Neutral	Slightly Important	Not Important	Average	Respondents
A	Evidence-based approaches to public health	100%	0%	0%	0%	0%	5.0	6
B	Public Health and health care systems	50%	50%	0%	0%	0%	4.5	6
C	Planning and management to promote health	17%	33%	33%	17%	0%	3.5	6
D	Policy in public health	17%	67%	17%	0%	0%	4.0	6
E	Leadership	33%	67%	0%	0%	0%	4.3	6
F	Communication	83%	17%	0%	0%	0%	4.8	6
G	Inter-professional practice	67%	33%	0%	0%	0%	4.7	6
H	Systems thinking	50%	50%	0%	0%	0%	4.5	6
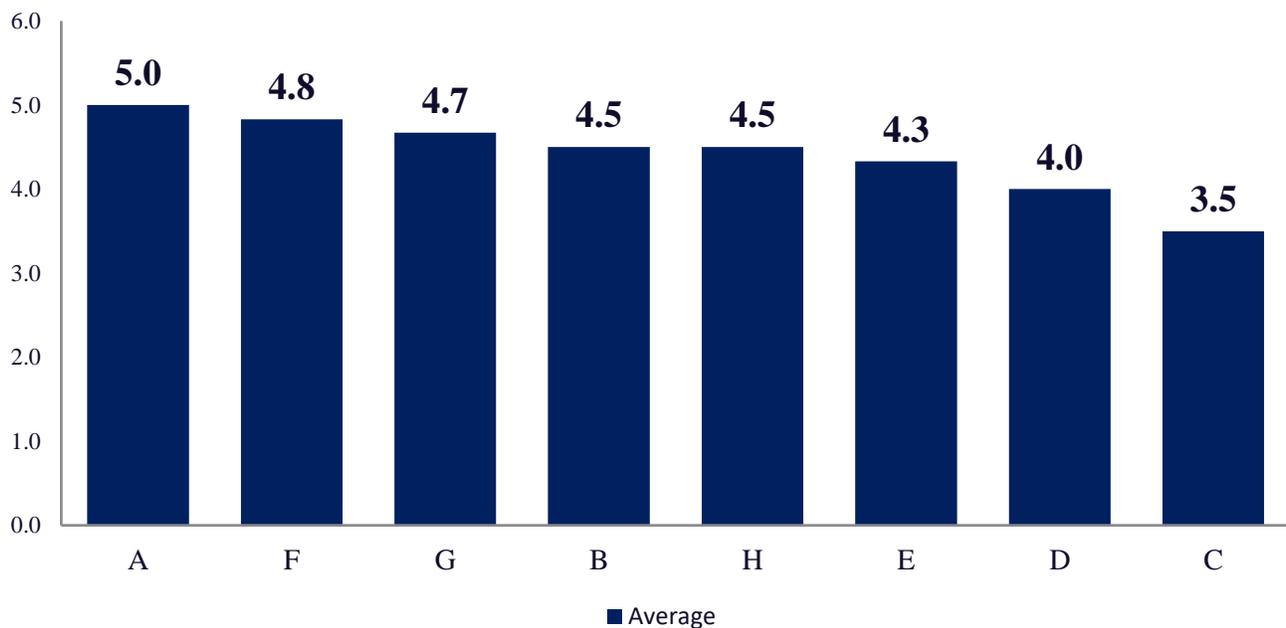
Additional Skills

Alumni highlighted additional skills they think would have made their MPH/MSPH training stronger and them better prepared for a career in public health.

Evidence-Based Approaches to Public Health

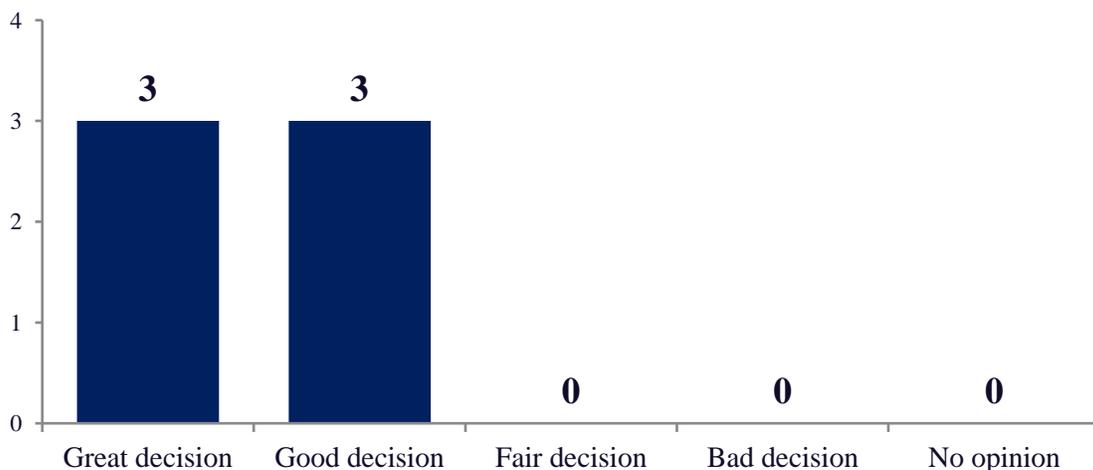- Coding in Python
- Database management
- R
- SQL

Value of RSPH MPH/MSPH Degree in the Job Market

Alumni rate the value of their degree in the job market based on their career interests and goals below.
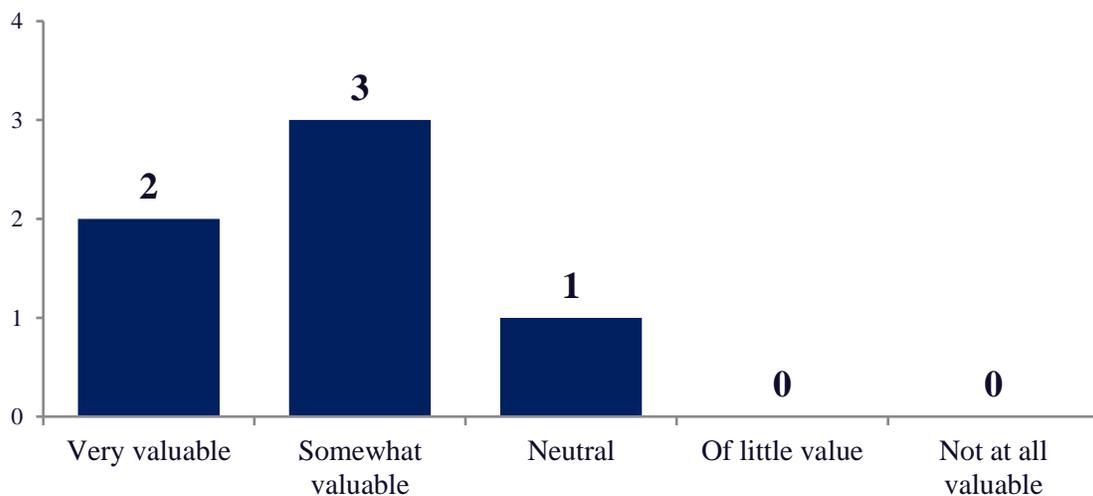

Decision to Attend RSPH

Alumni rated their decision to attend the RSPH for their MPH/MSPH.

Student Experience

	Experience	Critically Important	Very Important	Somewhat Important	Not Important	Average	Respondents
A	Bond with other students	17%	50%	33%	0%	2.8	6
B	Quality academics/classes	67%	33%	0%	0%	3.7	6
C	Personal relationship with faculty	17%	83%	0%	0%	3.2	6
D	Relationship with administration and staff	0%	50%	50%	0%	2.5	6
E	Student leadership opportunities	0%	83%	17%	0%	2.8	6
F	Skills/training for career	67%	33%	0%	0%	3.7	6
G	Opportunity to interact with alumni	50%	17%	33%	0%	3.2	6
H	Opportunity to engage with the larger Atlanta community	17%	33%	50%	0%	2.7	6
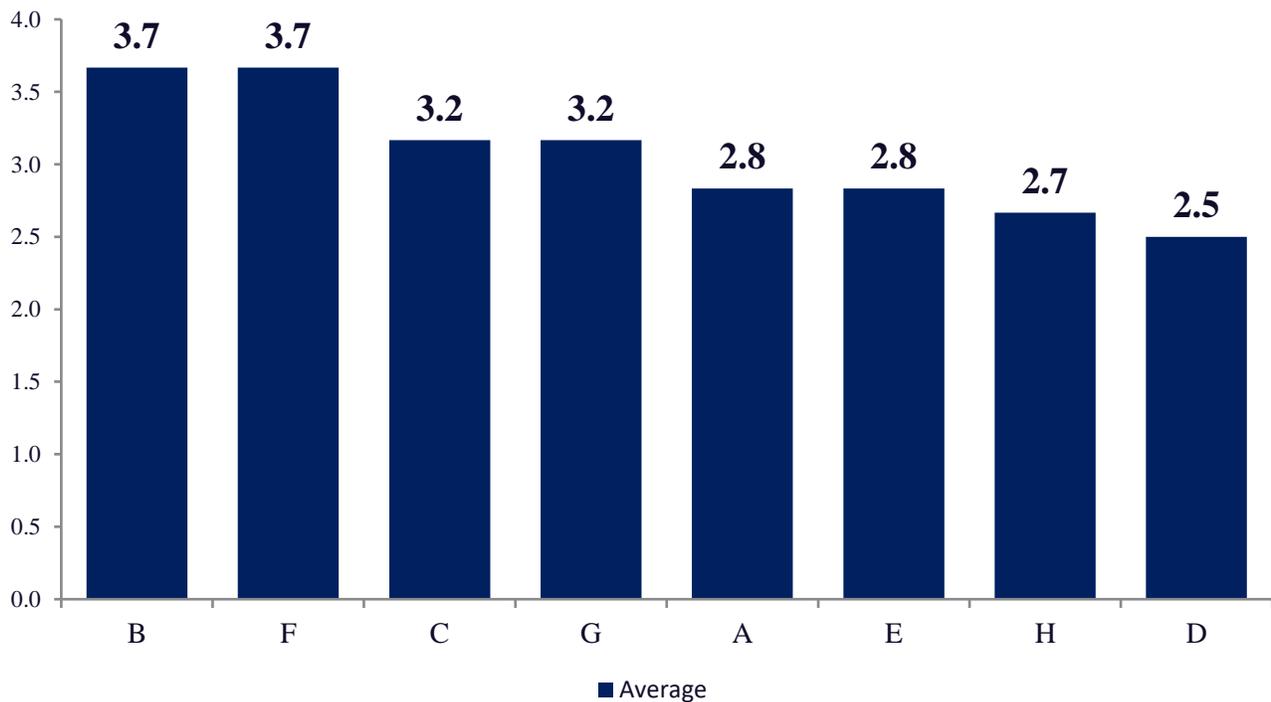
Providing Student Experience

Alumni rated how well the RSPH did in providing the following student experiences below:

	Experience Provided	Excellent	Good	Fair	Poor	Average	Respondents
A	Bond with other students	67%	33%	0%	0%	3.7	6
B	Quality academics/classes	67%	33%	0%	0%	3.7	6
C	Personal relationship with faculty	83%	0%	17%	0%	3.7	6
D	Relationship with administration and staff	67%	17%	17%	0%	3.5	6
E	Student leadership opportunities	67%	17%	17%	0%	3.5	6
F	Skills/training for career	50%	33%	17%	0%	3.3	6
G	Opportunity to interact with alumni	33%	33%	33%	0%	3.0	6
H	Opportunity to engage with the larger Atlanta community	33%	33%	33%	0%	3.0	6