

ALUMNI REPORT 2020

CYBERPATRIOT
National Youth Cyber Education Program



This page is intentionally blank.

Table of Contents

Survey Design	3
Demographics	3
Age	3
Gender	4
Ethnicity.....	4
Education & Career Plans	5
Post-graduation plans for students currently enrolled in middle or high school	5
Desired field of study for students currently enrolled in middle or high school	6
Academic field of study for alumni enrolled in or graduated from college	6
CyberPatriot Impact	8
Years of Participation.....	8
Impact of Participation	8

Survey Design

In April 2020, current and former student participants of CyberPatriot's National Youth Cyber Defense Competition were surveyed in the following areas:

1. Their demographic information
2. Their current academic enrollment status
3. Their current or prospective higher education field of study
4. The degree to which they assessed their participation in CyberPatriot as affecting their career and academic goals

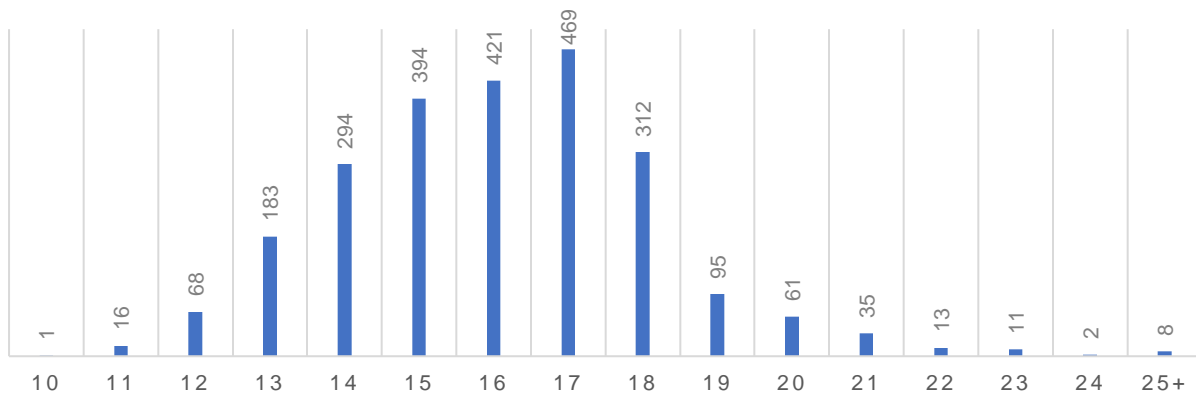
In total, 2,662 students responded to the survey (n=2,662).

The purpose of this survey is to determine the rate at which CyberPatriot is achieving its goal of attracting students to education and careers in cybersecurity and other STEM (science, technology, engineering, and mathematics) disciplines.

Demographics

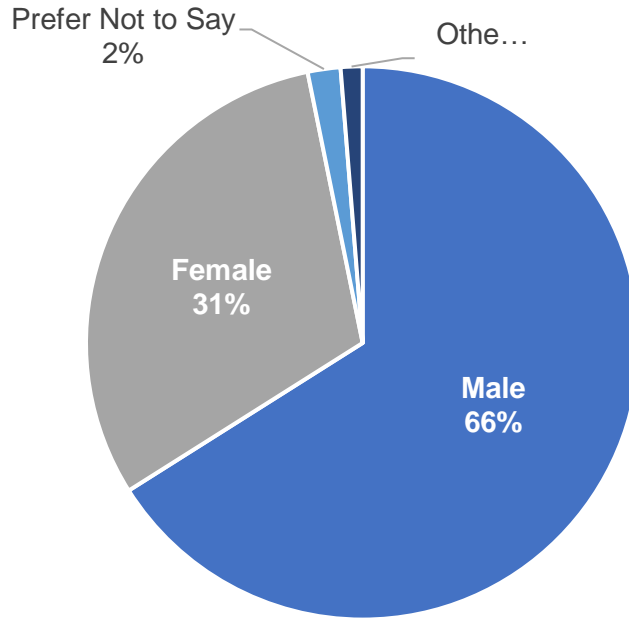
Age

As expected, the majority of survey respondents were in the high school age range (14-18).



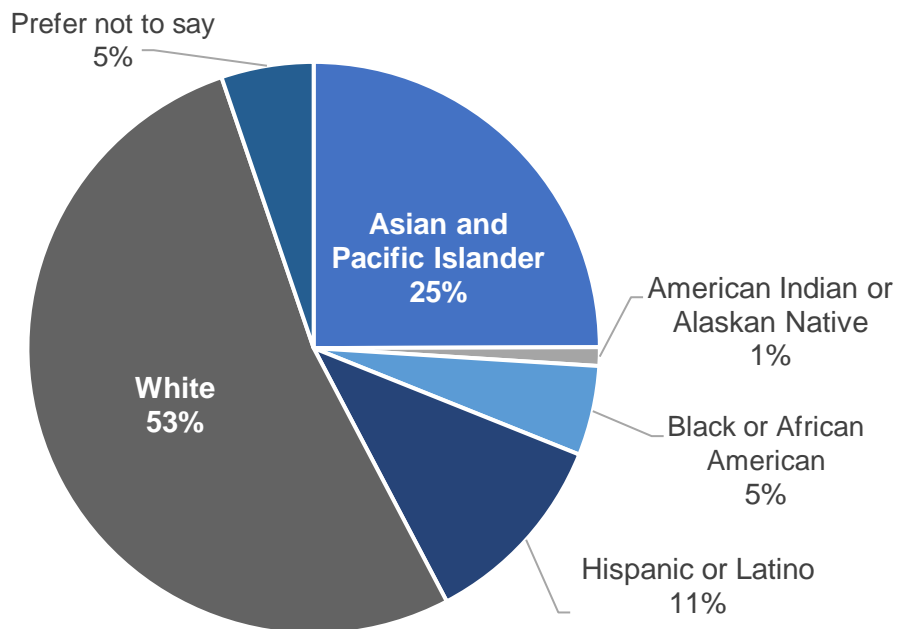
Gender

The majority of the 2,662 survey respondents were male, while a remarkable 31% identified as female.



Ethnicity

42% of the 2,662 survey respondents were of minority ethnicity.

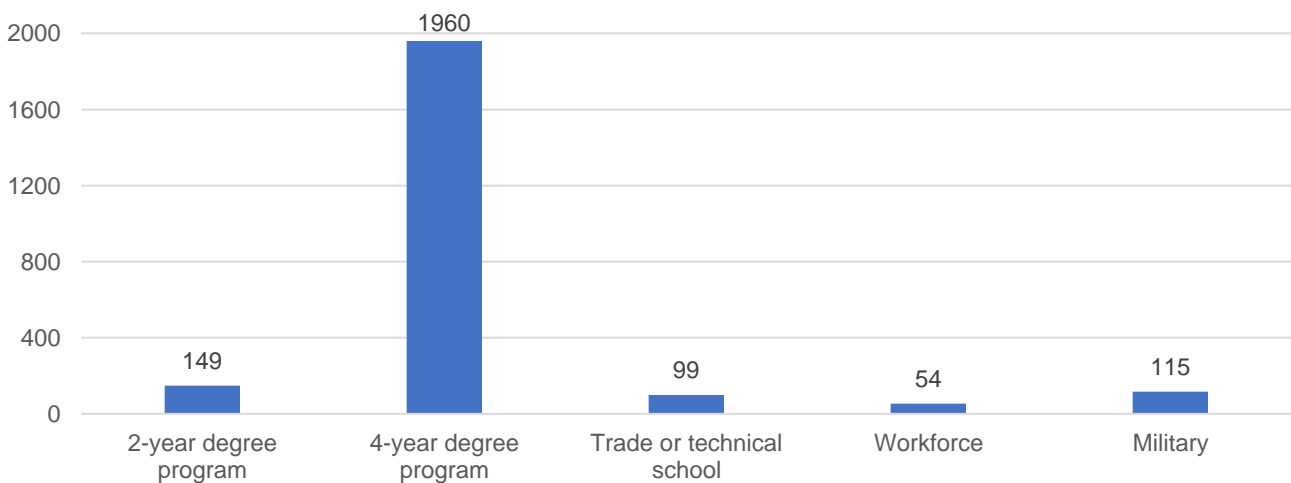


Education & Career Plans

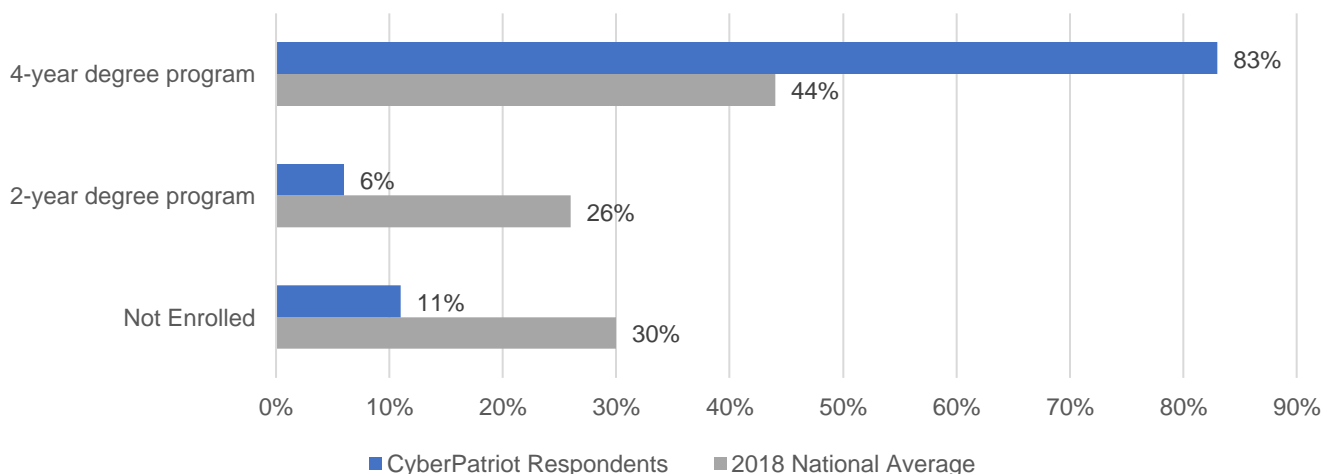
The following results are based on respondents' current academic and/or career status.

Post-graduation plans for students currently enrolled in middle or high school

2,377 of the 2,662 respondents were still enrolled in middle or high school (or an equivalent program) at the time of the survey. In total, 2,109 (89%) of these students indicated their intention to pursue a 2-year or 4-year higher education program after receiving their high school diploma.



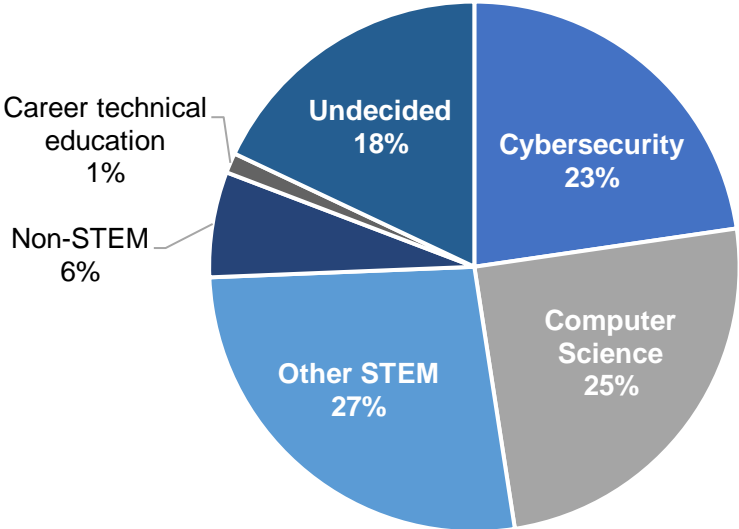
By comparison, according to the National Center for Education Statistics¹, 70% of American students who graduated high school in 2018 entered college. Of those students, 44% enrolled in 4-year institutions and 26% enrolled in 2-year institutions.



¹ National Center for Education Statistics. (2020, April). Immediate College Enrollment Rates. Retrieved from https://nces.ed.gov/programs/coe/indicator_cpa.asp

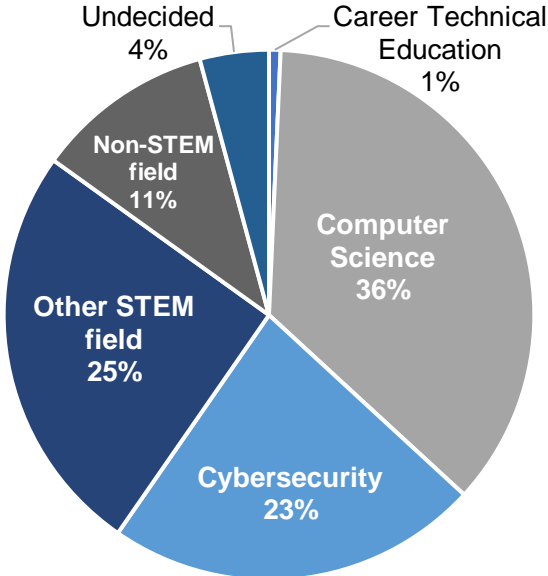
Desired field of study for students currently enrolled in middle or high school

1,642 of the 2,109 students who indicated they will pursue a 2-year or 4-year education program plan to study a STEM field (75%). The remaining 25% of respondents were undecided or planned to study a non-STEM field.

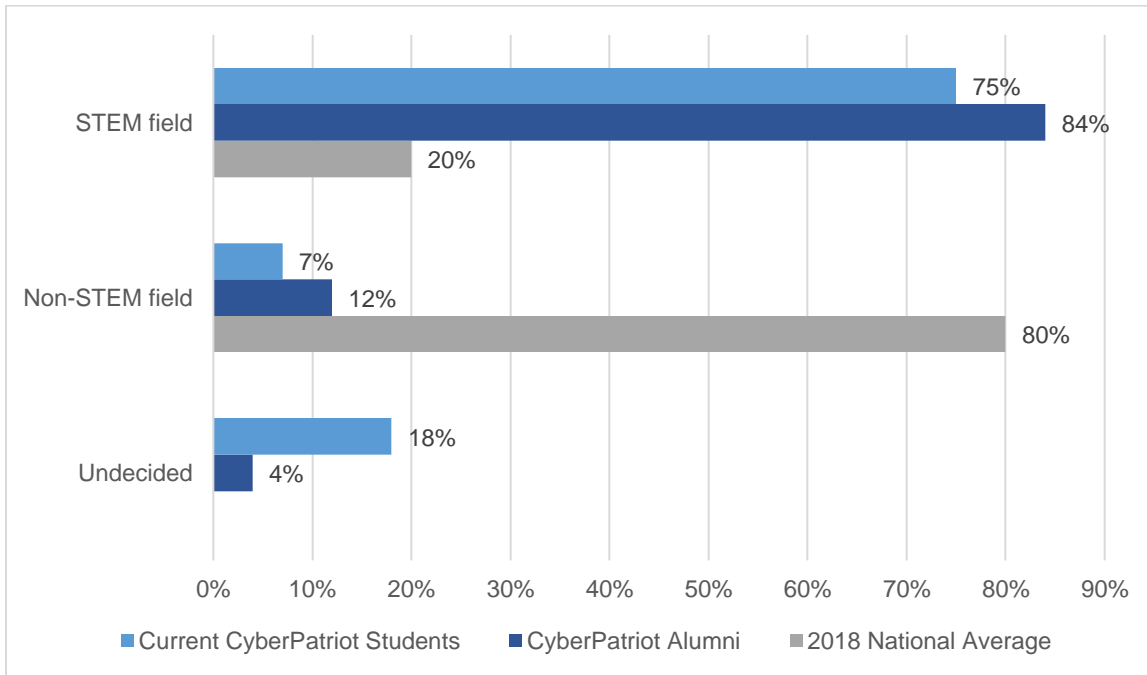


Academic field of study for alumni enrolled in or graduated from college

Of the survey's 2,662 respondents, 285 are enrolled in college or have earned a college degree. Of these individuals, 84% of them selected a STEM program as their field of study.



According to the most recent National Center for Education Statistics report², computer and information sciences degrees only represented 3% of associate degrees and 4% of bachelor's degrees awarded nationally in 2017-2018. Including computer and information sciences, degrees in STEM fields accounted for only 8% of associate degrees and 20% of bachelor's degrees conferred nationally in 2017-2018.

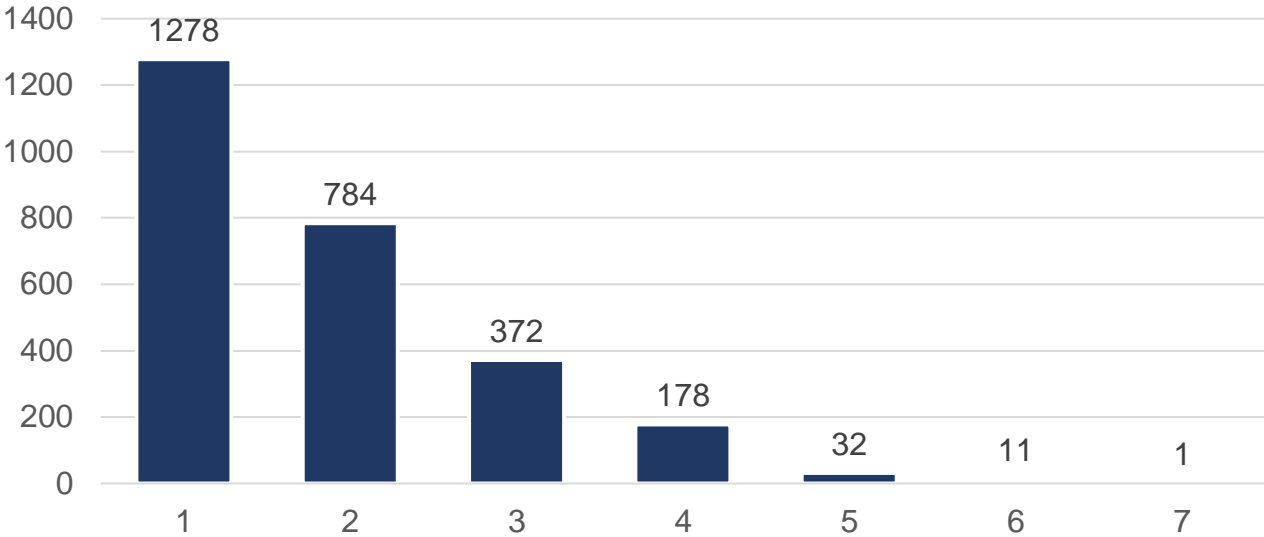


² National Center for Education Statistics. (2020, April). Undergraduate Degree Fields. Retrieved from https://nces.ed.gov/programs/coe/indicator_cta.asp?referer=raceindicators#info

CyberPatriot Impact

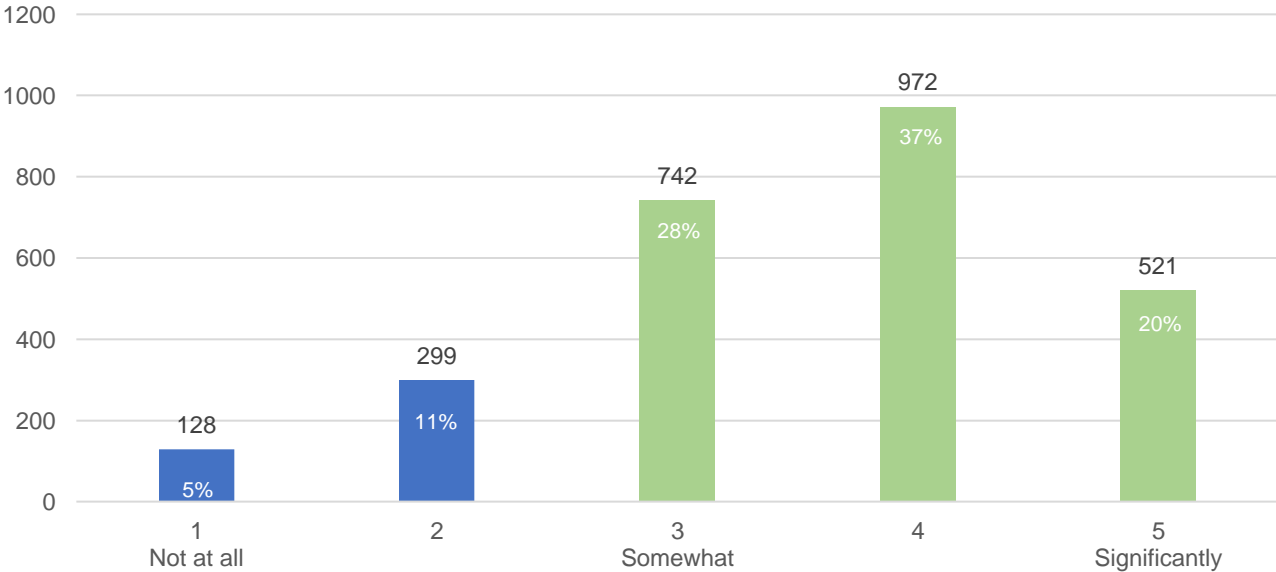
Years of Participation

Most student respondents have participated in one or two seasons of the national youth cyber defense competition.



Impact of Participation

When asked the degree to which CyberPatriot impacted career or education goals, 85% of the 2,662 respondents indicated that the program did play a positive role in their decisions.





**CyberPatriot is the Air Force Association's
National Youth Cyber Education Program**

For additional information visit www.uscyberpatriot.org