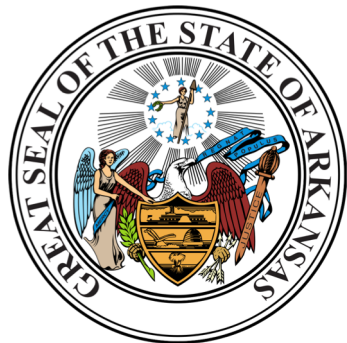# High School Computer Science Enrollment Report

2020-2021

Computer Science Initiative
Student Enrollment for 2020-2021

- The data within this information was compiled using the Arkansas School District Cycle 2 Report submissions.

- Districts are required to submit student enrollment numbers, in addition to other data, for the Cycle 2 Report on or before October 15th of each year.

- The numbers contained within this information are enrollment numbers as of October 15th, these numbers are what school funding is based on, and due to various factors, may change or differ from student completion numbers.

CS FOR AR
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Computer Science Initiative
Student Enrollment for 2020-2021

- The CS Course Enrollment data on page 8 is unduplicated student data. This represents the number of **individual students** in Arkansas enrolled in at least one CS course for the 2020-21 school year.

- The data on pages 9-15 is duplicated student data. This represents all course enrollments, which includes approximately 700 students taking more than one CS course in the 2020-21 school year.

Computer Science Courses

The following courses are used as the baseline to measure computer science student enrollment numbers for the 2014-2015, 2015-2016, and 2016-2017 school years:

- Computer Science and Mathematics;

- Essentials of Computer Programming;

- Programming I and Programming II;

- Java I and Java II;

- Intro to Object Oriented Programming;

- Computer Science and Software Engineering;

- Computer Game Design and Development;

(continued on next page)

Computer Science Courses

(continued)

- Intro to Mobile Application Development;
- Mobile Application Development (MAD) I and MAD II;
- College Board Advanced Placement (AP) Computer Science Principles;
- College Board AP Computer Science A; and
- International Baccalaureate (IB) Computer Science (HL & SL)
- Computer Science Internship I and II
- Other Concurrent Credit Computer Science
- ADE Approved Computer Science

Computer Science Courses

The following courses are used as the baseline to measure computer science student enrollment numbers for the 2017-2021 school years:

- Levels 1 and 3 of:
  - Computer Science with Programming/Coding Emphasis,
  - Mobile Application Development,
  - Computer Science with Networking/Hardware Emphasis
  - Robotics, and
  - Computer Science with Information Security Emphasis.
  - AP Computer Science Principles
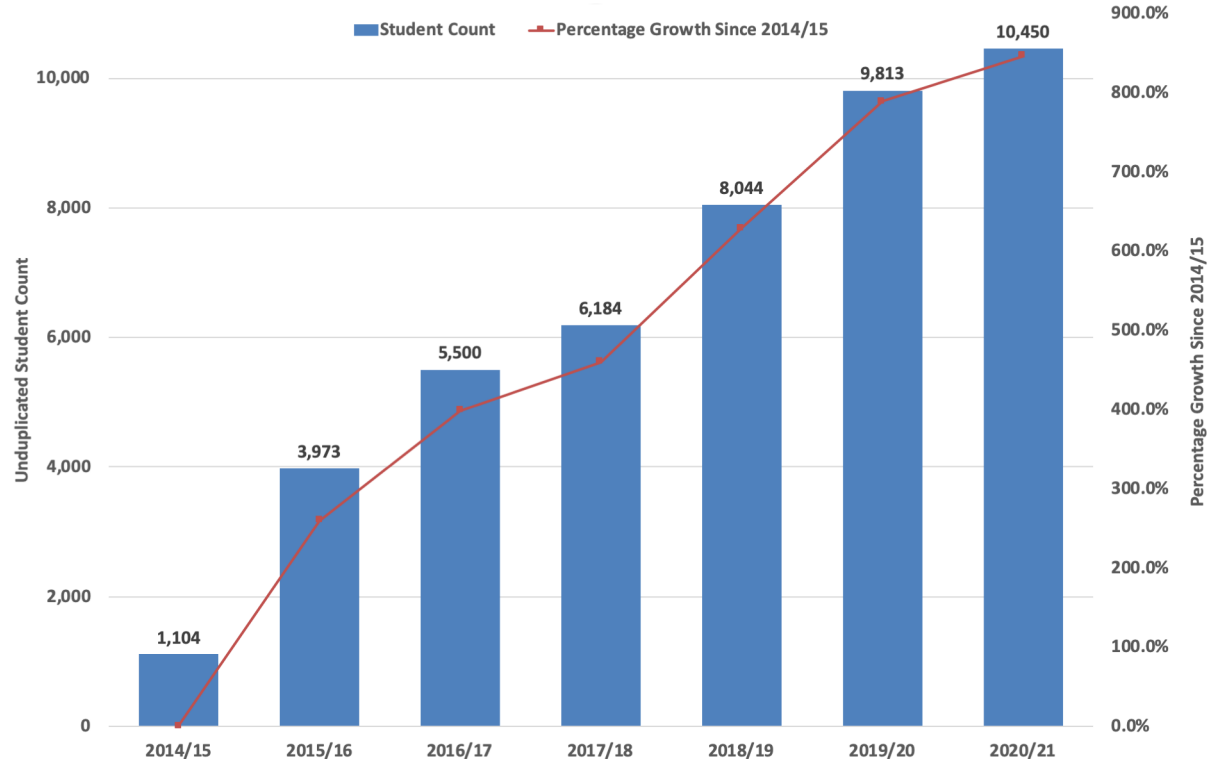 - AP Computer Science A

(continued on next page)

Computer Science Courses
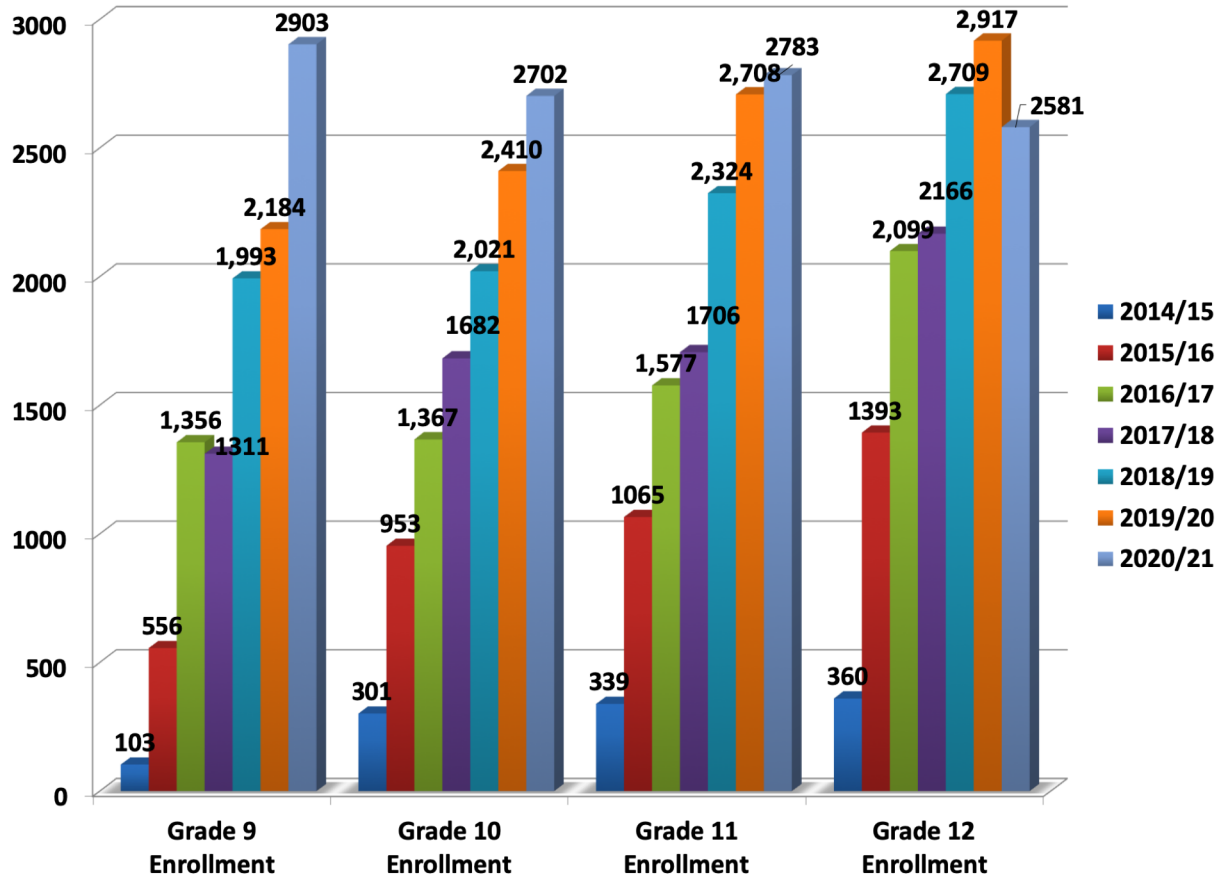
(continued)

- Levels 1 and 3 of:
  - Advanced Programming,
  - Advanced Networking,
  - Advanced Information Security
  - Advanced Game Design
  - IB Computer Science HL & SL
  - ADE Computer Science Independent Study
  - ADE Computer Science Internship
- Concurrent Credit Computer Sciences
- Weighted Concurrent Credit Computer Sciences

High School CS Course Enrollment
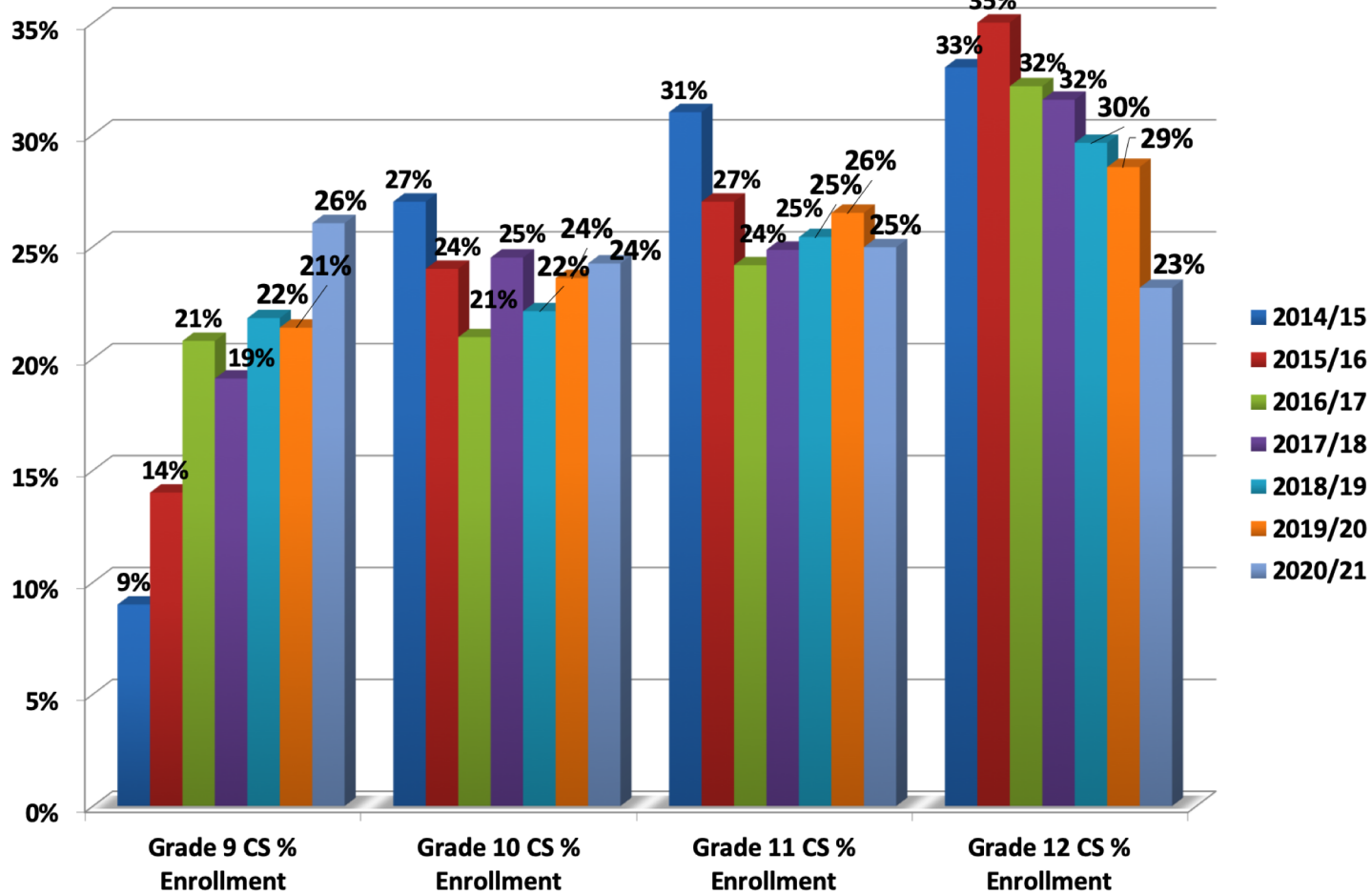
- 2014/2015 – 1,104
- 2015/2016 – 3,973
  - Increase of
    - 2,869 students
    - 260% increase over 14/15
- 2016/17 – 5,500
  - Increase of
    - 1,527 students
    - 38.4% increase over 2015/16
- 2017/18 – 6,184
  - Increase of
    - 684 students
    - 12% increase over 2016/17
- 2018/19 – 8,044
  - Increase of
    - 1,860 students
    - 30% increase over 2017/18
- 2019/20 – 9,813
  - Increase of
    - 1,769 students
    - 22% increase over 2018/19
- 2020/21 – 10,450
  - Increase of
    - 637 students
    - 6.5% increase over 2019/20

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CS Course Enrollment Numbers by Grade

	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Grade 9 Enrollment	103	556	1,356	1311	1,993	2,184	2903
Grade 10 Enrollment	301	953	1,367	1,682	2,021	2,410	2702
Grade 11 Enrollment	339	1065	1,577	1,706	2,324	2,708	2783
Grade 12 Enrollment	360	1393	2,099	2166	2,709	2,917	2581

Computer Science Courses Enrollment Percentage by Grade

CS Male/Female Student Enrollment

2014/2015
- 880 (80%) Male
- 223 (20%) Female

2015/2016
- 2,942 (74%) Male
- 1,031 (26%) Female

2016/2017
- 4,703 (72%) Male
- 1,824 (28%) Female

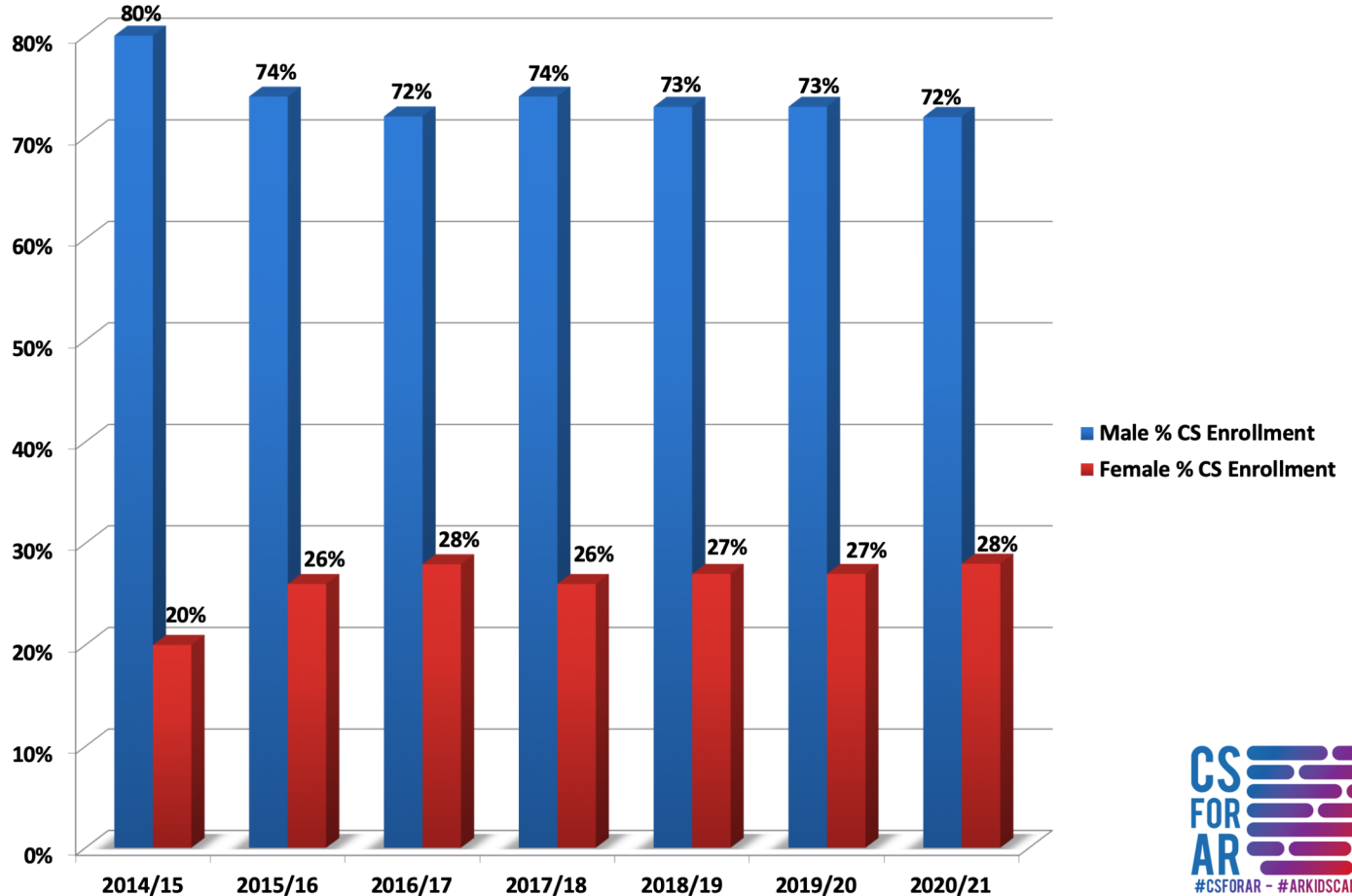**2017/2018**
- 5,093 (74%) Male
- 1,796 (26%) Female

2018/2019
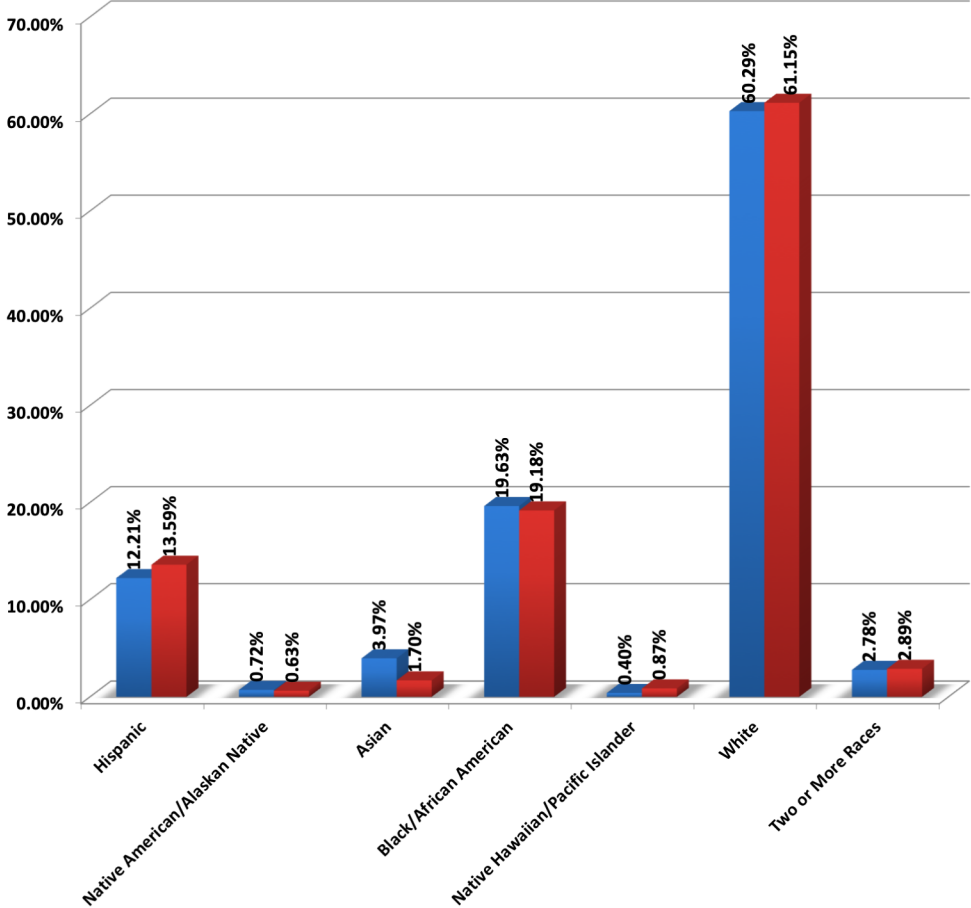- 6,660 (73%) Male
- 2,484 (27%) Female

2019/2020
- 7,568 (73%) Male
- 2,852 (27%) Female
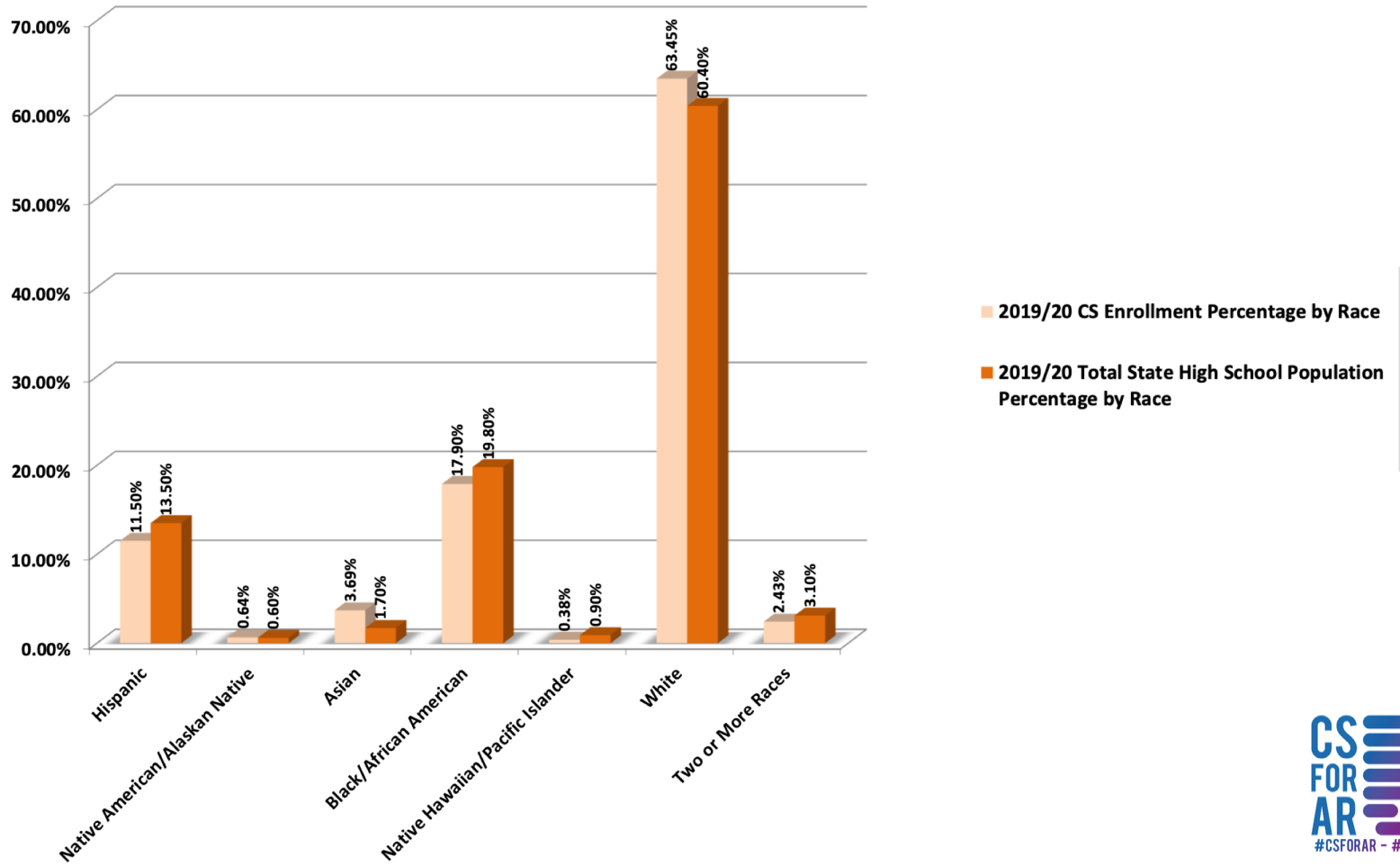
2020/2021
- 8,013 (72%) Male
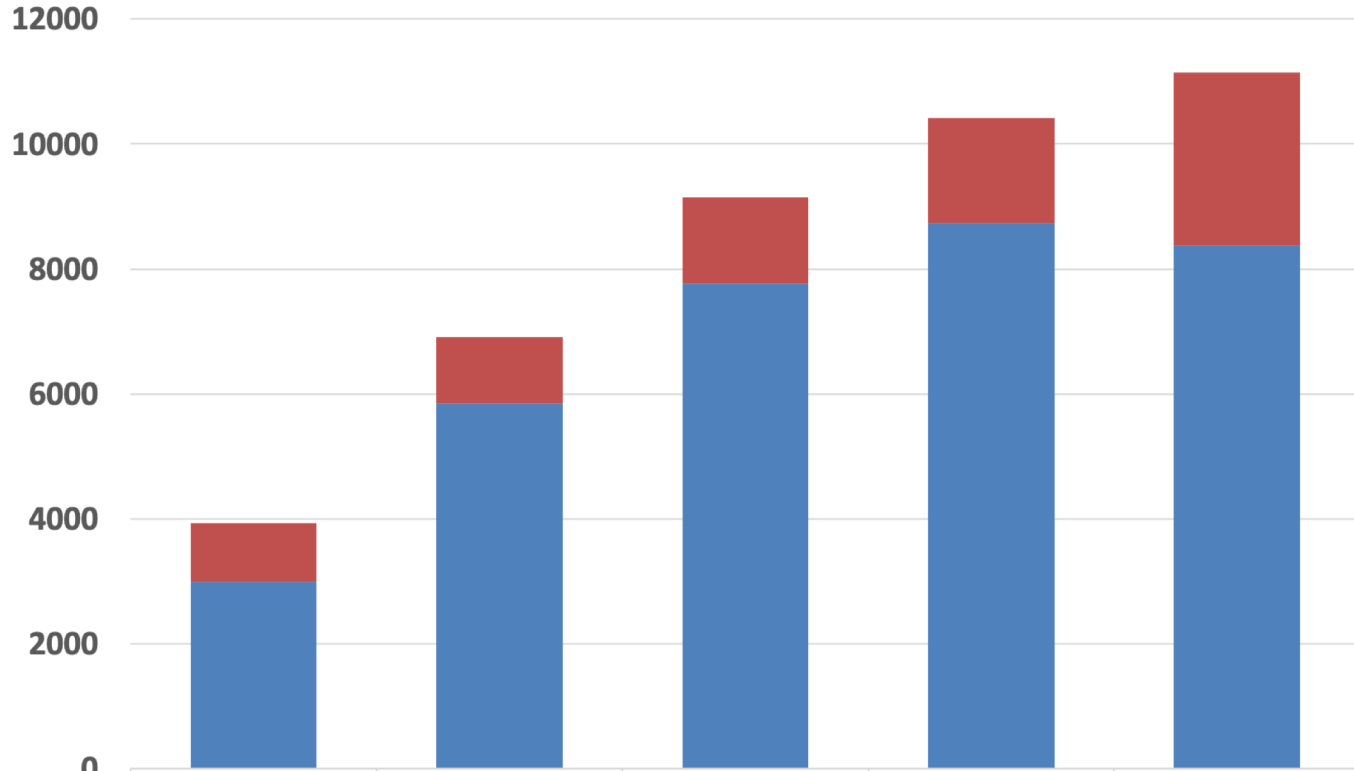- 3,135 (28%) Female

2020/21 Enrollment Percentage by Race

2019/20 CS Enrollment Percentage by Race

Computer Science Course Classroom and Virtual Environment Enrollment

	2016/17	2017/18	2018/19	2019/20	2020/21
■ Virtual Classroom	943	1054	1370	1682	2771
■ Face to Face Classroom	2988	5856	7774	8738	8377

Computer Science Course Classroom and Virtual Environment Enrollment for 2020/21

Pie chart values:
- 972 (CS-Virtual Arkansas, blue)
- 609 (CS-Other Virtual Provider, red)
- 1193 (CS-School Based Virtual, green)

Legend:
- ■ CS-Virtual Arkansas
- ■ CS-Other Virtual Provider
- ■ CS-School Based Virtual

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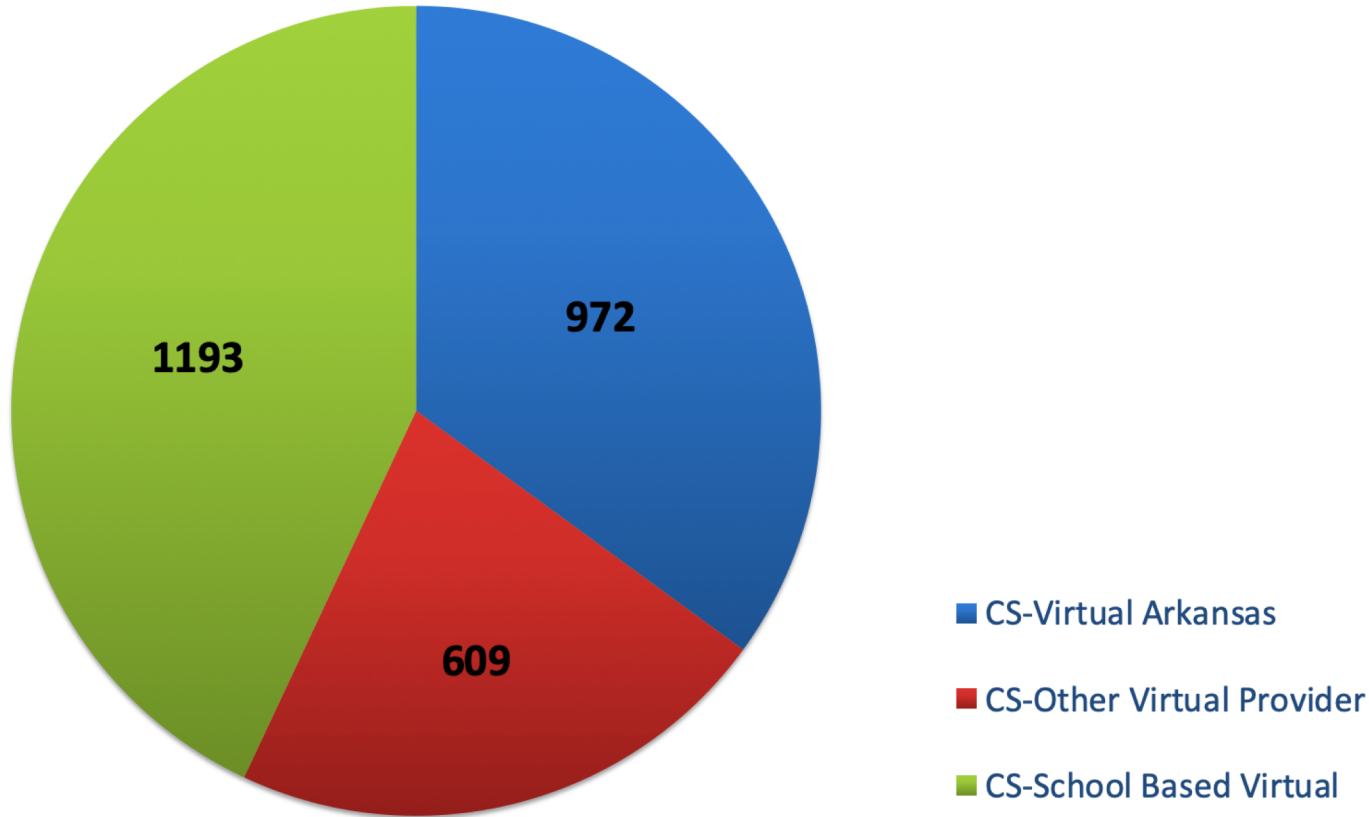
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Find More Information Here:

http://bit.ly/ARKidsCanCode