



Maine

2022 State of Computer Science Education

The tremendous growth of computer science (CS) education has significantly slowed during the COVID-19 pandemic, with few schools able to add new classes to the curriculum. Now, in 2022, it is time for policymakers to reassess the knowledge, skills, and curricula that will engage students, support learning objectives, and prepare students for their post-school lives.

Just over half (53%) of high schools in the U.S. offer a single computer science course. Although this represents significant growth (from 35% in 2018), the number of schools offering CS—a foundational subject that is critical to the nation’s economy and security—has grown by just two percent in the past year. State and federal policy can accelerate growth in computer science education by reexamining the foundational needs for all our K-12 students. Policymakers and school decision-makers must answer this call to ensure all students have equitable access to computer science education.

Maine by the Numbers

1,052

In 2022, ME averaged 1,052 open computing jobs each month

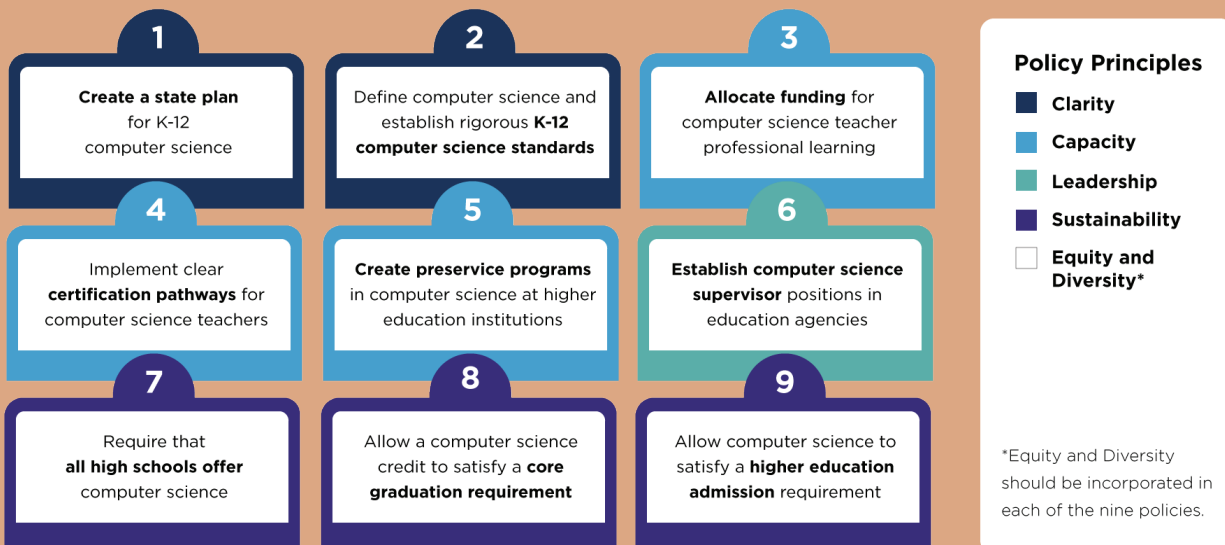
\$81,965

These jobs have an average salary of \$81,965

177

Yet there were only 177 graduates in computer science in 2019

Nine Policies to Make Computer Science Fundamental



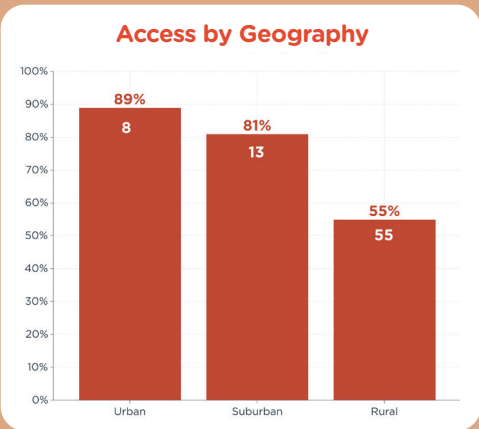
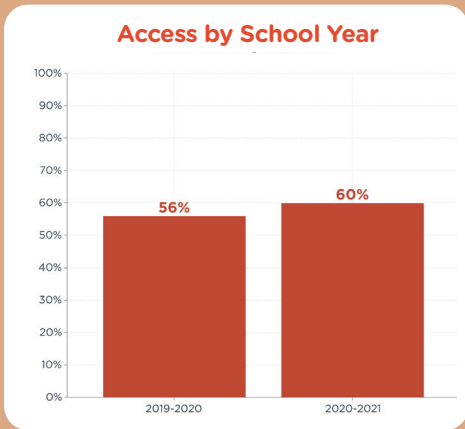
Maine

Policies to Make CS Fundamental

State Plan ✓ YES	Standards ✗ NO	Funding ✓ YES
Certification ✗ NO	Preservice ✗ NO	State CS Position ✓ YES
Require HS to Offer ✗ NO	Can Count DISTRICT DECISION	Admissions ✗ NO

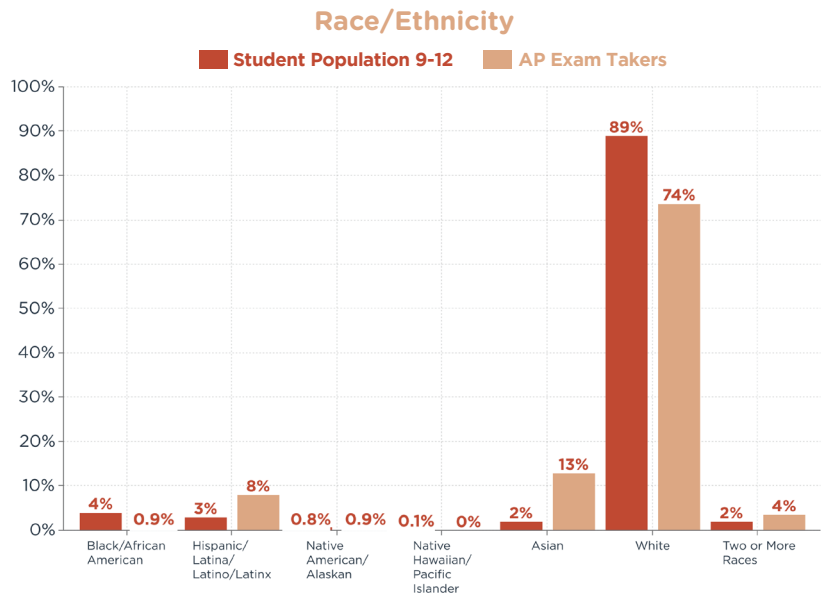
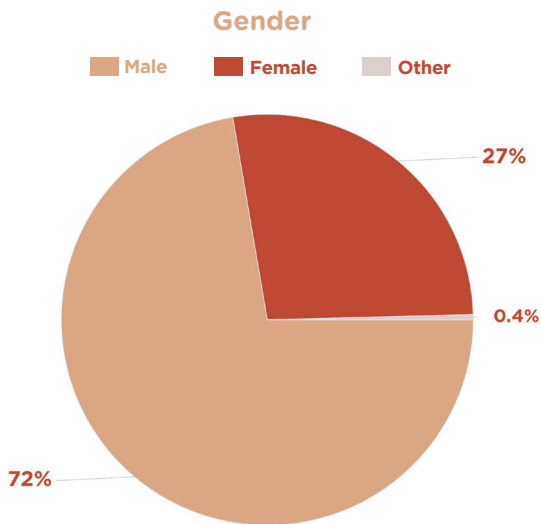
85.2% of ME high school students attend a school that offers foundational computer science. Of the 242 AP CS exams taken in Maine in school year 2020-21, **27% were female**. Course enrollment data for all foundational computer science courses is not available from Maine. Nationally, we know that participation in all foundational computer science courses is broader than AP participation.

Percentage of Public High Schools Offering Foundational Computer Science

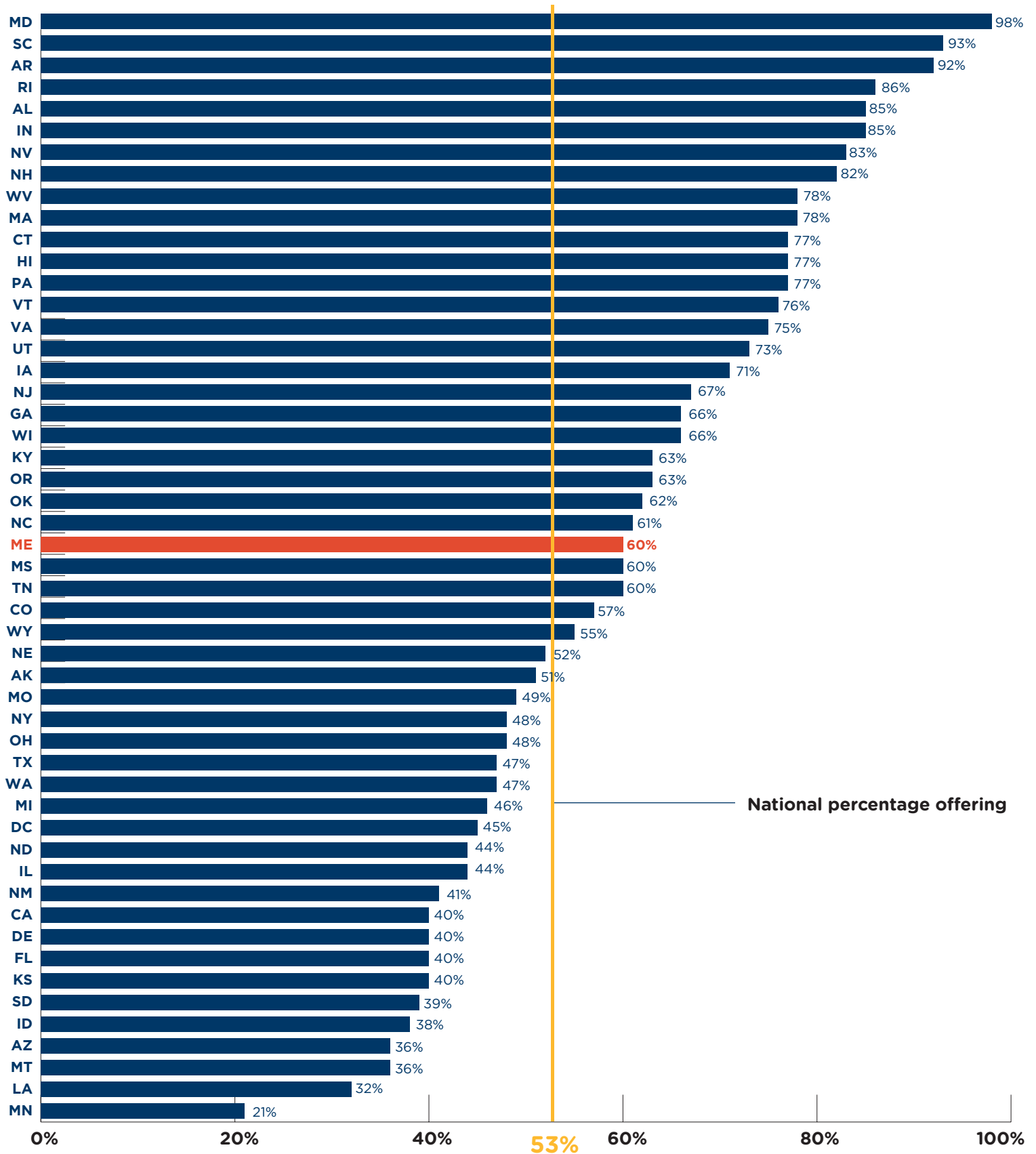


Data provided primarily by the Department of Education and school catalogs, based on 126 schools with high school grades. The state reports students who are low-income rather than students who qualify for free and reduced-price meals. Participation data was masked at low counts.

Participation in AP Computer Science Exams by Demographic



Percentage of High Schools Offering Computer Science, by State*



*for the most recent school year reported by each state