

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.

New Mexico by the Numbers

2,608

In 2022, NM averaged 2,608 open computing jobs each month

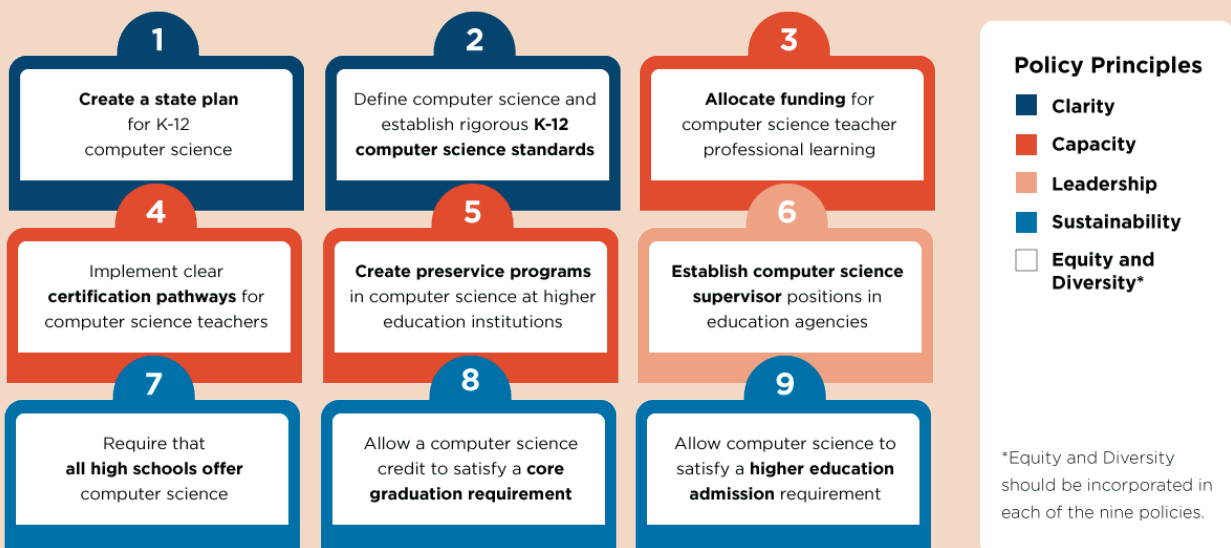
\$71,285

These jobs have an average salary of \$71,285

198

Yet there were only 198 graduates in computer science in 2019

Nine Policies to Make Computer Science Fundamental



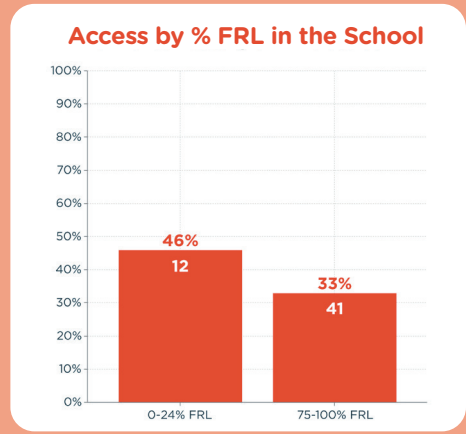
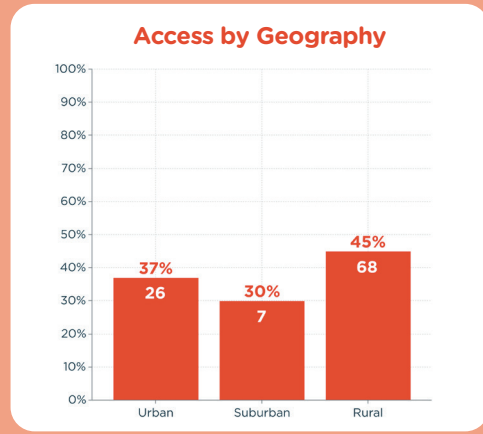
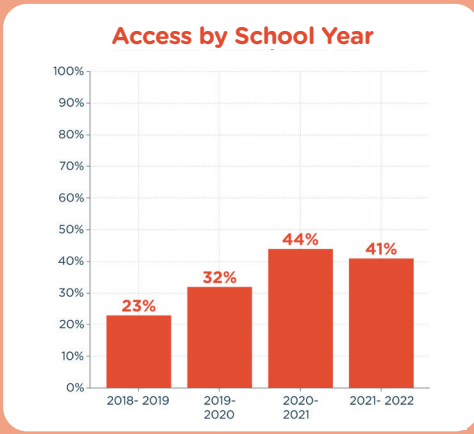
New Mexico

Policies to Make CS Fundamental

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

63.1% of NM high school students attend a school that offers foundational computer science, but only **2.5% of students** are enrolled in a computer science course. **30.0% of students** enrolled in a computer science course are female.

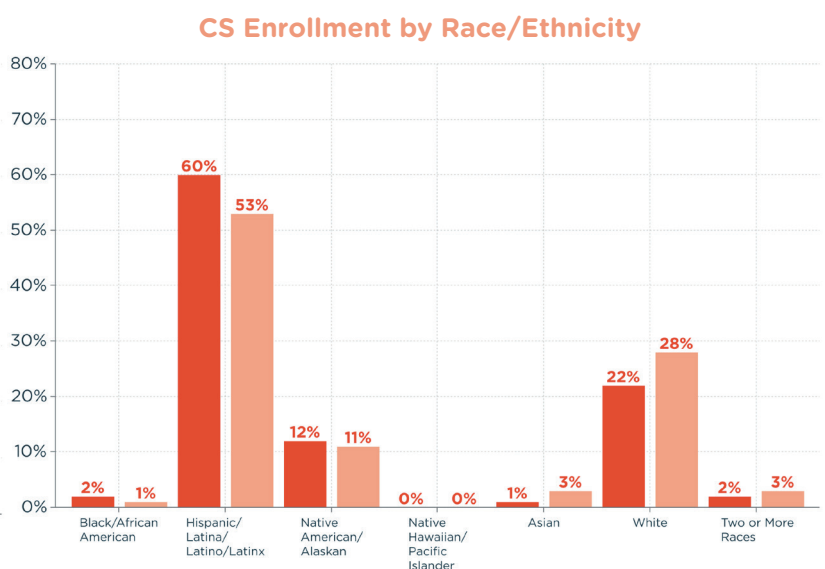
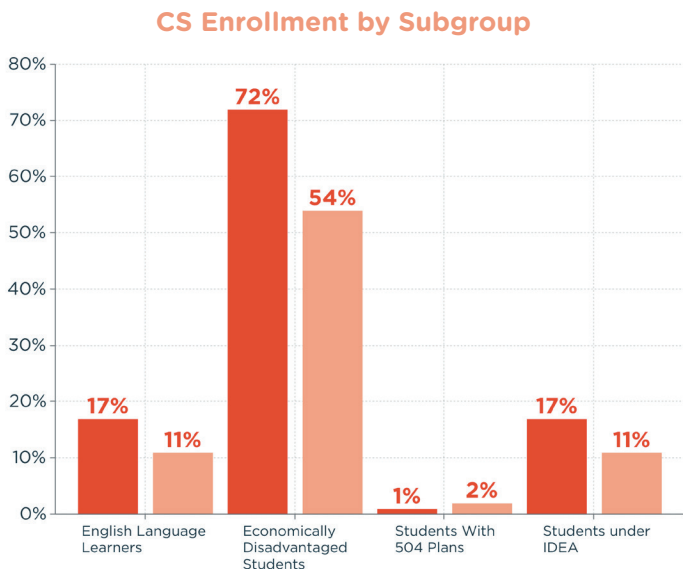
Percentage of Public High Schools Offering Foundational Computer Science



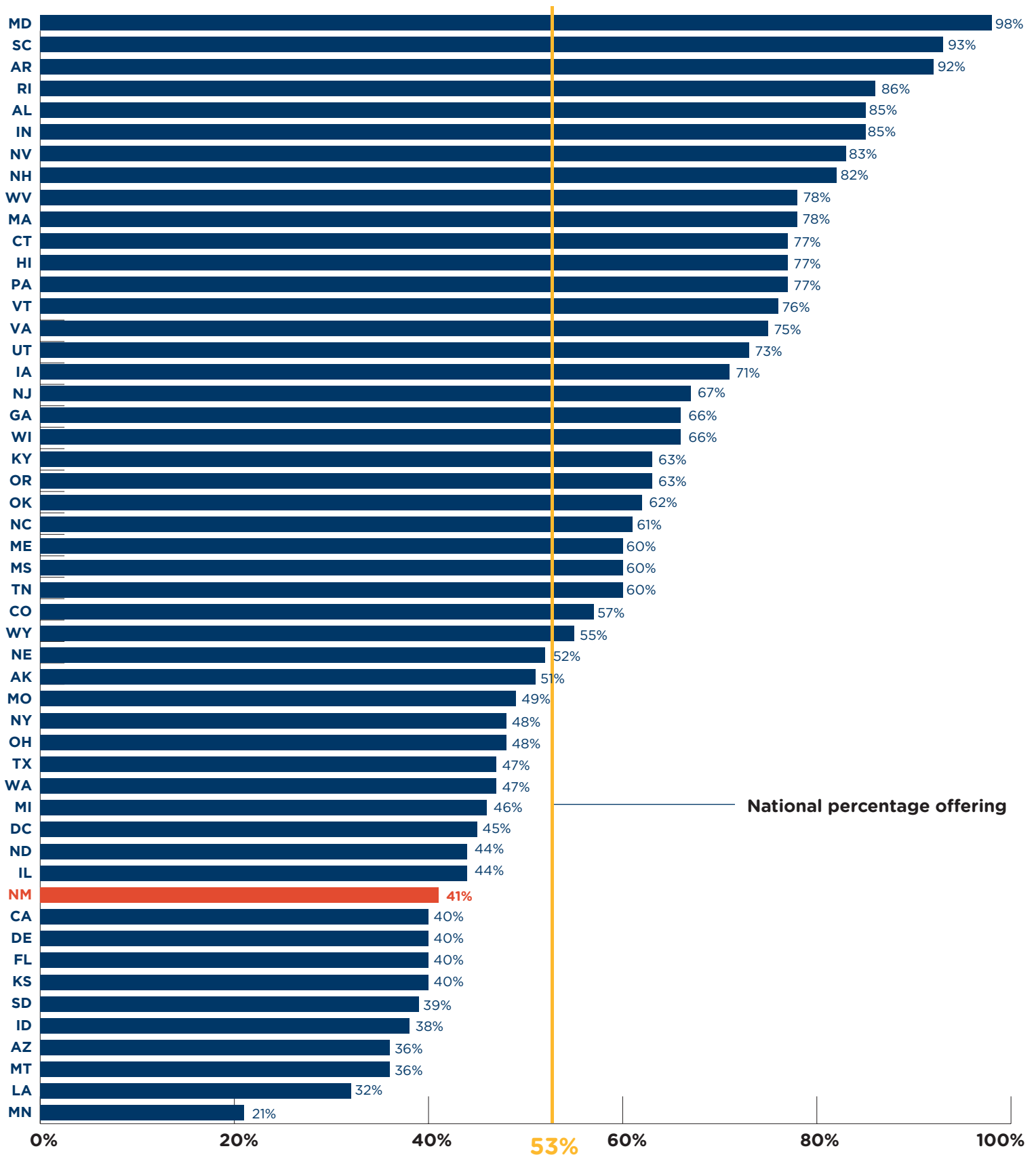
Data provided primarily by the State Education Agency, school catalogs, and school survey data, based on 245 schools with high school grades. Participation data was masked at low counts.

Participation in Foundational High School Computer Science Courses by Demographic

■ Student Demographics 9-12 ■ Participation in Foundational Courses



Percentage of High Schools Offering Computer Science, by State*



*for the most recent school year reported by each state