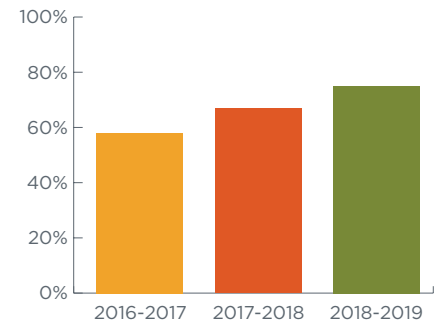


# Massachusetts

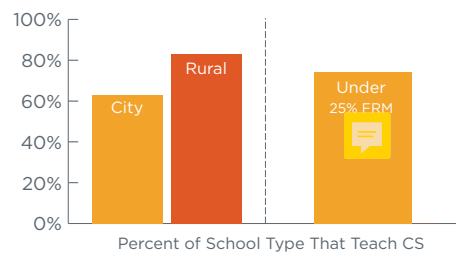
<b>State Plan</b>	The state is in the process of creating a plan for K-12 computer science, as required by the FY 2020 state budget.
In Progress	
<b>Standards</b>	The state adopted K-12 digital literacy and computer science standards in 2016.
Yes	
<b>Funding</b>	H4000 (FY 2020) allocated \$1M for computer science implementation; \$590K went to the Digital Literacy Now grant program. The grant program prioritizes underserved students, including economically disadvantaged students, English language learners, students receiving special education services, students from marginalized racial and ethnic groups, and students in rural areas. H4800 (FY 2019) and H3650 (FY 2016) allocated \$850K and \$1.7M and required a one-to-one private match.
Yes	
<b>Certification</b>	Teachers can obtain a 5-12 certification through a combination of academic coursework, professional development, mentorship experience, teaching experience, passing the Pearson and/or Praxis CS exam, and/or by completing an approved teacher preparation program.
Yes	
<b>Preservice</b>	The Department of Elementary and Secondary Education has approved teacher preparation programs leading to certification in computer science and lists these programs publicly.
Yes	
<b>CS Supervisor</b>	The Department of Elementary and Secondary Education has a Computer Science Content Coordinator.
Yes	
<b>All HS Offer</b>	The state does not yet require that all secondary schools offer computer science.
No	
<b>Grad Credit</b>	A computer science course can substitute for either a mathematics or laboratory science course if the course includes rigorous mathematical or scientific concepts and aligns with the state computer science standards. Students in technical and vocational programs may substitute a computer science course for a foreign language.
Yes	
<b>IHE Admission</b>	A computer science course can count as a mathematics, science, or foreign language credit required for admission at institutions of higher education if the course meets certain criteria.
Yes	

Massachusetts is a member of the ECEP Alliance and has CSTA chapters.

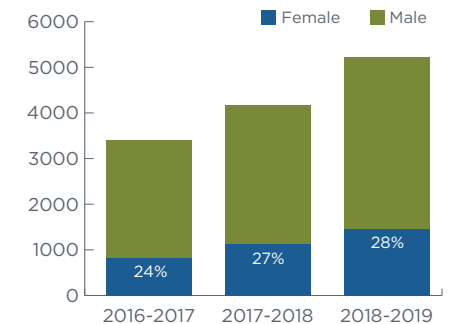
## High Schools Teaching CS



## High Schools Teaching CS by School Type



## AP CS Student Participation



## Access and Participation by Race/Ethnicity

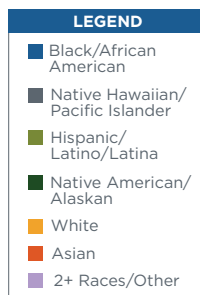
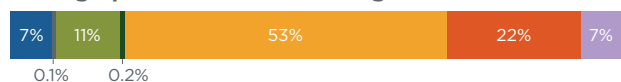
### Overall Student Demographics



### Demographics in Schools Teaching AP CS

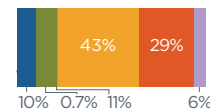


### Demographics of Students Taking AP CS Exams

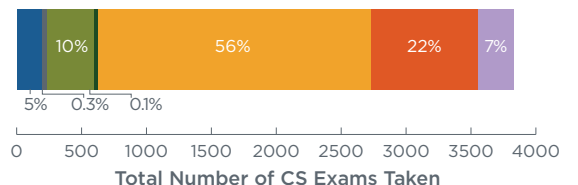


## AP CS Participation by Race/Ethnicity and Gender

### Female Students



### Male Students



Hispanic/Latinx students are 1.7 times less likely and Black students are 1.5 times less likely than their white and Asian peers to take an AP CS exam when they attend a school that offers it.