

# What are the Characteristics of the CS Teacher Workforce?



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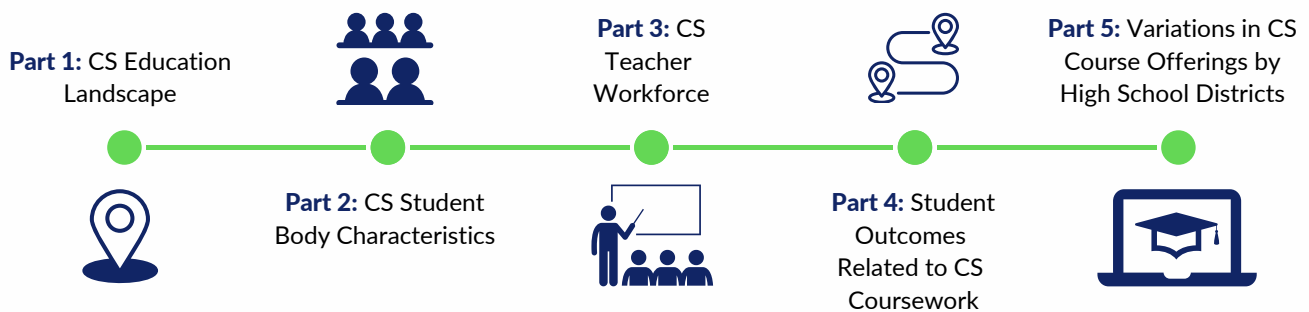
Illinois Workforce and Education  
Research Collaborative

PART OF THE UNIVERSITY OF ILLINOIS SYSTEM

## THE STATE OF COMPUTER SCIENCE IN ILLINOIS HIGH SCHOOLS SERIES

The State of Computer Science in Illinois High Schools Series analyzes the landscape, structures, and pathways of computer science (CS) education in Illinois and creates a baseline by which to measure the expansion of CS education in the coming years.

**The Series will include five reports, each analyzing a different aspect of CS education:**



### PART 3: KEY FINDINGS



#### **The number of CS teachers is increasing.**

Illinois saw a 14.1% increase in the number of CS teachers between SY18 and SY22. When CPS is removed from this analysis, this increase rose to 15.0% during the same years.



#### **The state needs more CS-endorsed teachers.**

About half of all CS teachers hold at least one CS endorsement recommended by the state. However, when matching CS courses to their appropriate endorsement, the percentage of teachers that are considered in-field varies greatly, between 34-70% for the most enrolled CS courses.



#### **The CS teacher workforce does not match the CS student body.**

Almost all CS teachers are White, and while there has been gains in representation of most racial groups, it is nowhere near reflecting the CS student body. As a whole, the CS teacher workforce has gender parity, which is not reflected in the student body where female representation is much lower.

**Data** was provided by the Illinois State Board of Education and includes students who enrolled in at least one CS course between school years 2017-18 through 2021-22.

**Read the full report:** <http://go.dpi.uillinois.edu/cser>