



Montgomery College's Data Journey

August 25, 2021

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Chief Analytics & Insights Officer

In the beginning...

- Internal Report
- iData
- ICAT

Questions that came out

- Are data readily accessible to those who need it?
- Does relevant and reliable data exist to inform decision-making?
- How is this data used?
- How does the college set benchmarks and targets?
- Do data analyses yield insights about the past and future?

Why not just give a data dump?



Data is like garbage. You'd better know what you are going to do with it before you collect it.

– Mark Twain

There are nuances to data

- Data Analytics is not just comparing percentages
 - Cohorts matter
 - Sample sizes matter
 - The size of the difference matters
 - Disaggregation matters

**The goal is to turn data into
information and information into
insight.**

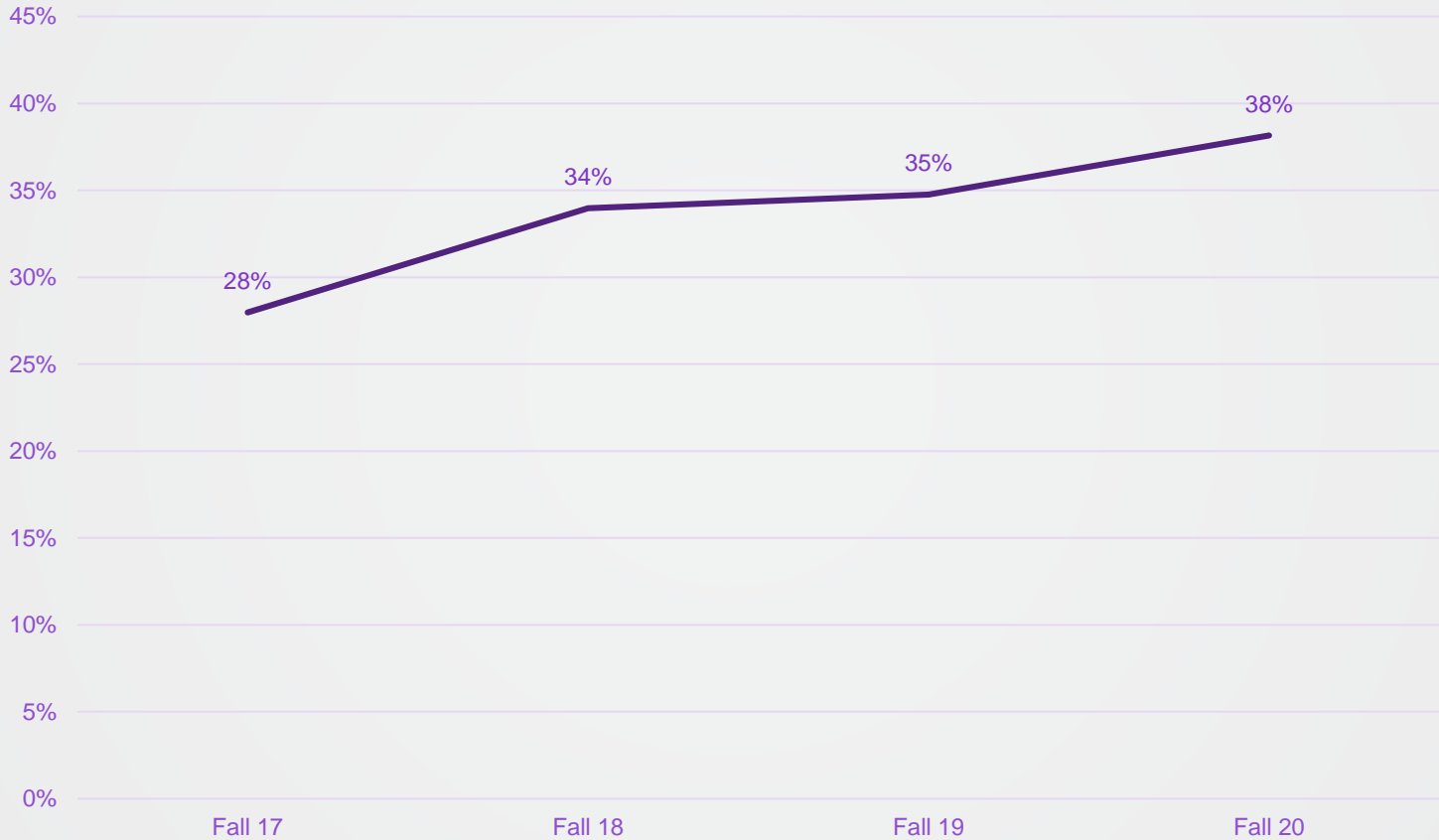
--Carly Fiorina

Four Key Themes in the DAMP

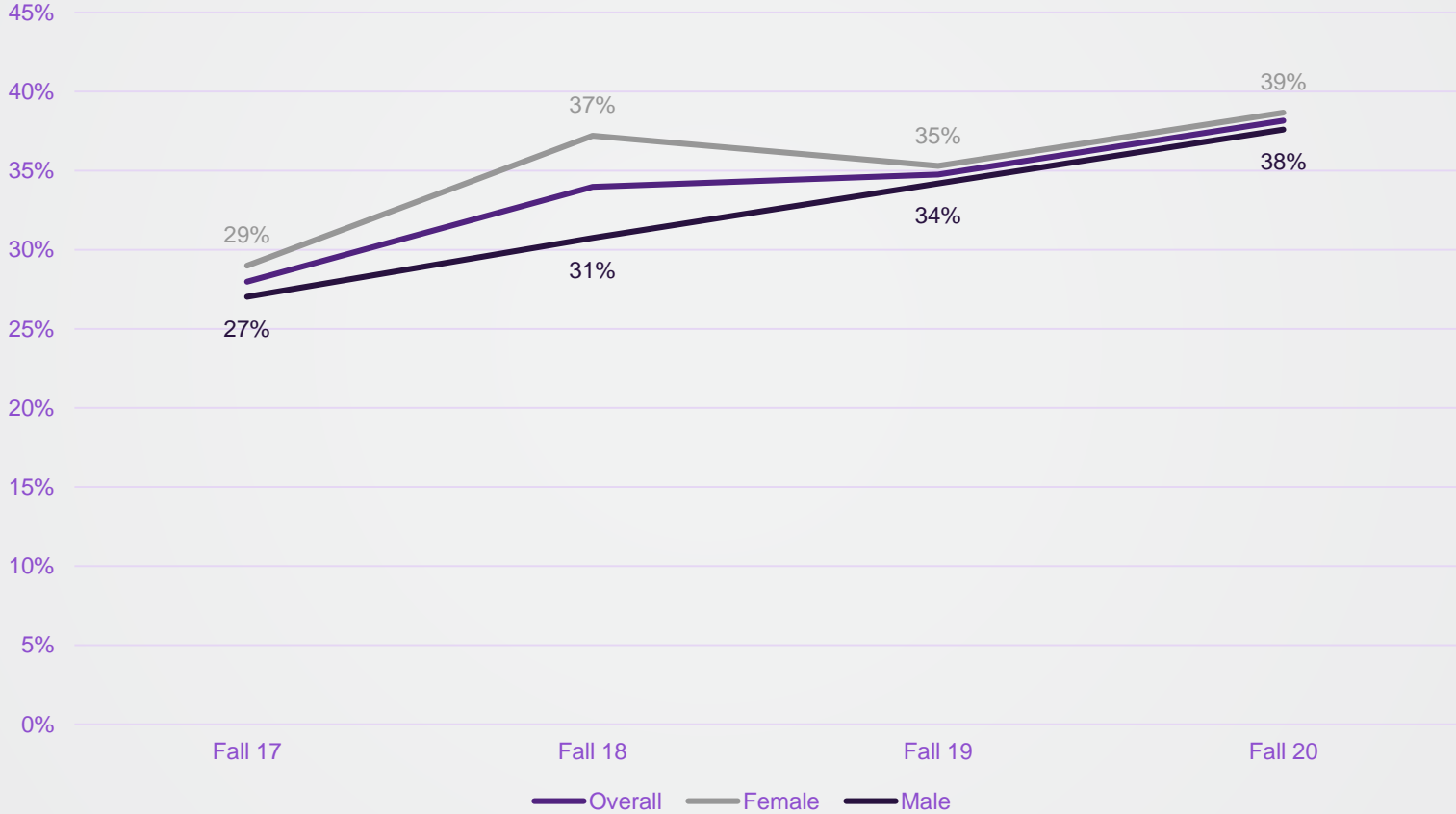
- Building institutional capacity for data asset management
- Ensuring data integration
- Enhancing data literacy
- Improving priority setting and decision making

The power of our institutional focus

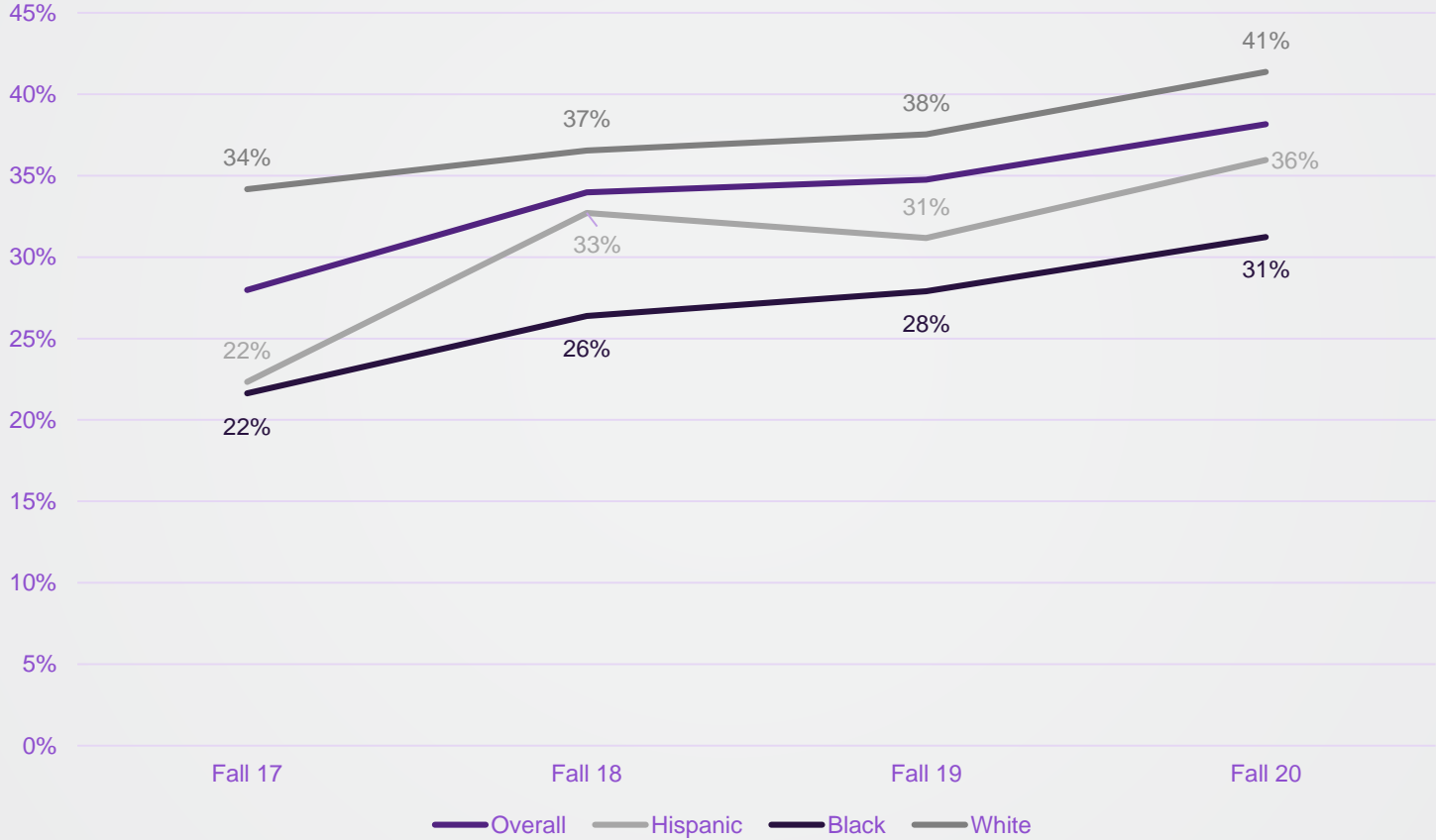
Completion of Gateway Mathematics (FTEIC in first year)



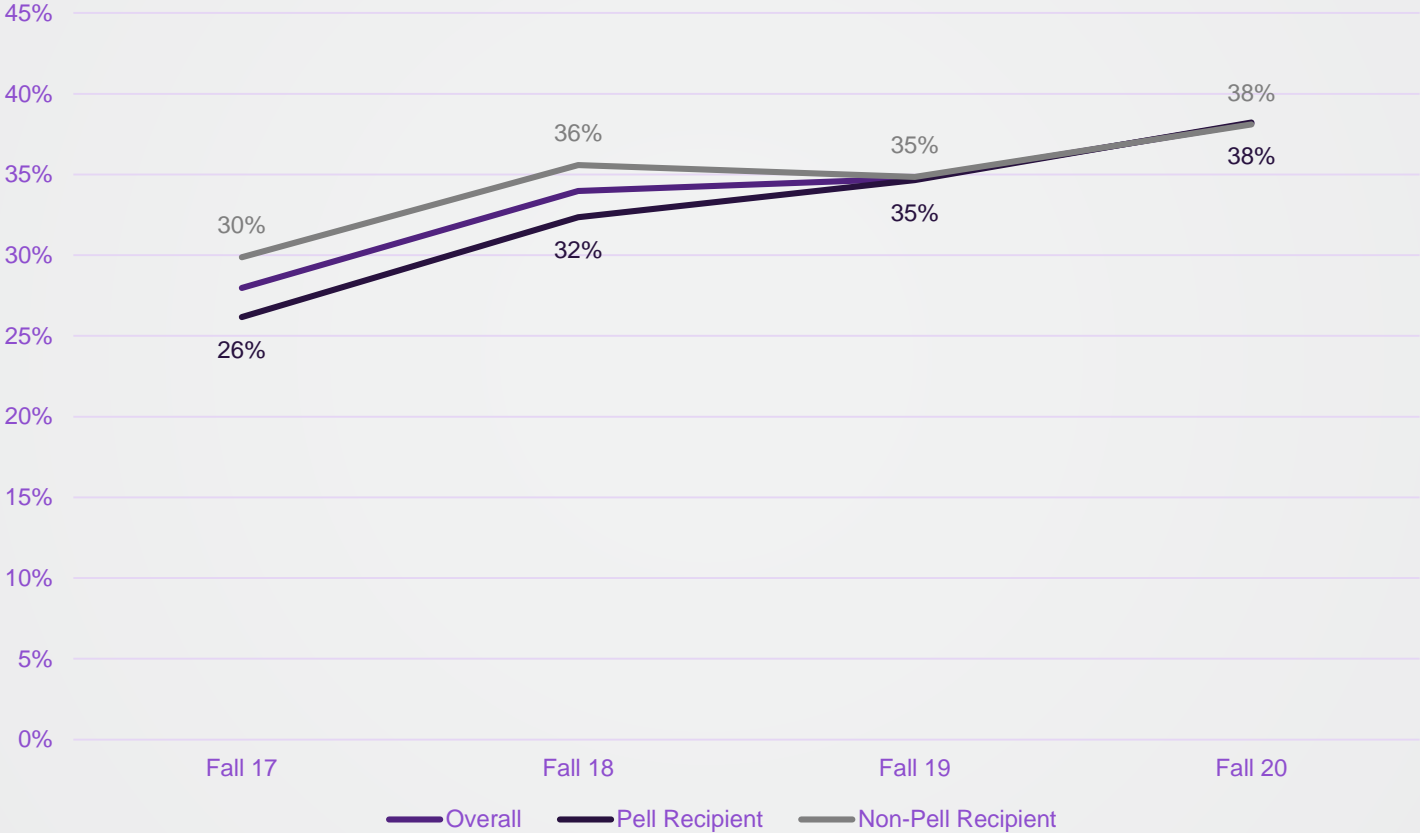
Completion of Gateway Mathematics (FTEIC in first year by gender)



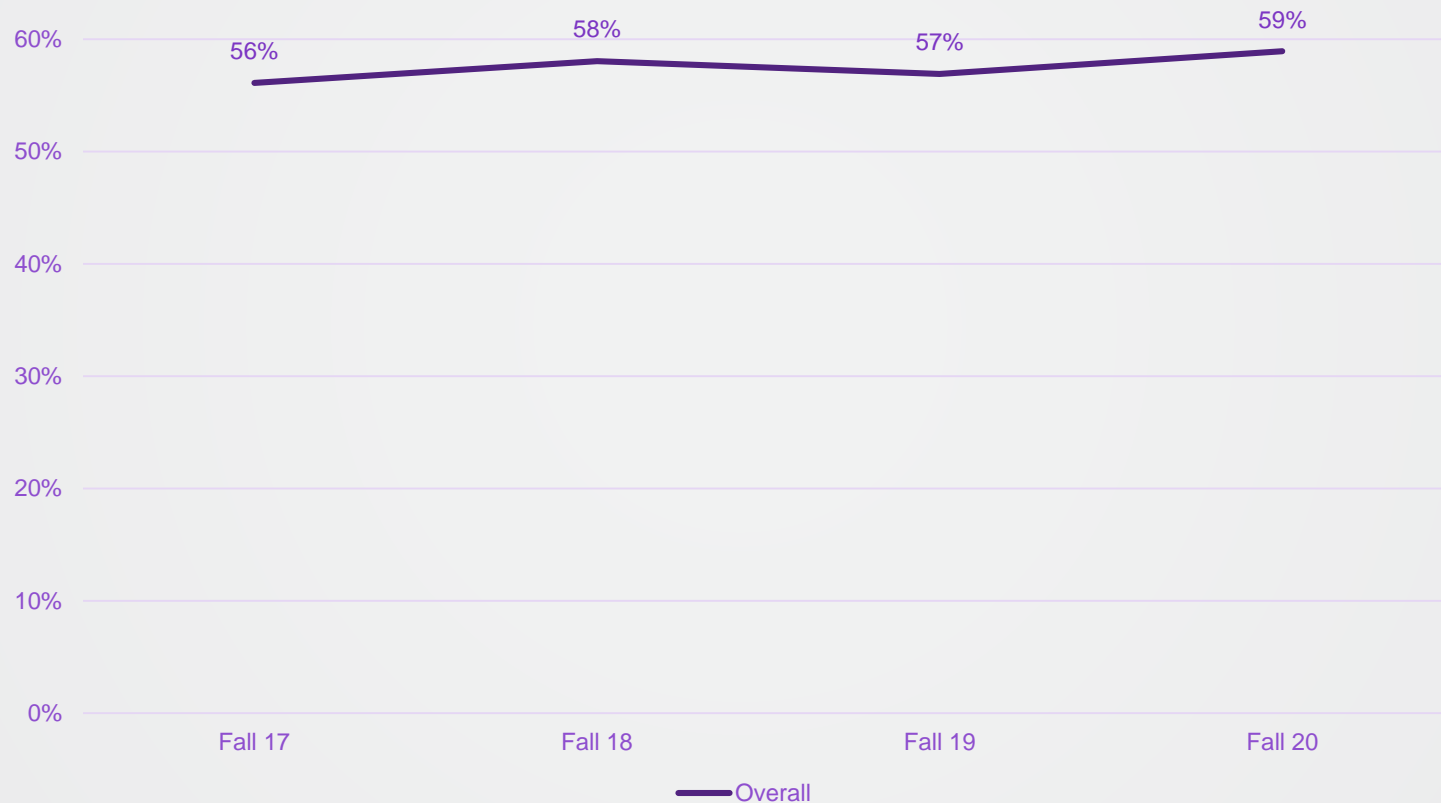
Completion of Gateway Mathematics (FTEIC in first year by ethnicity/race)



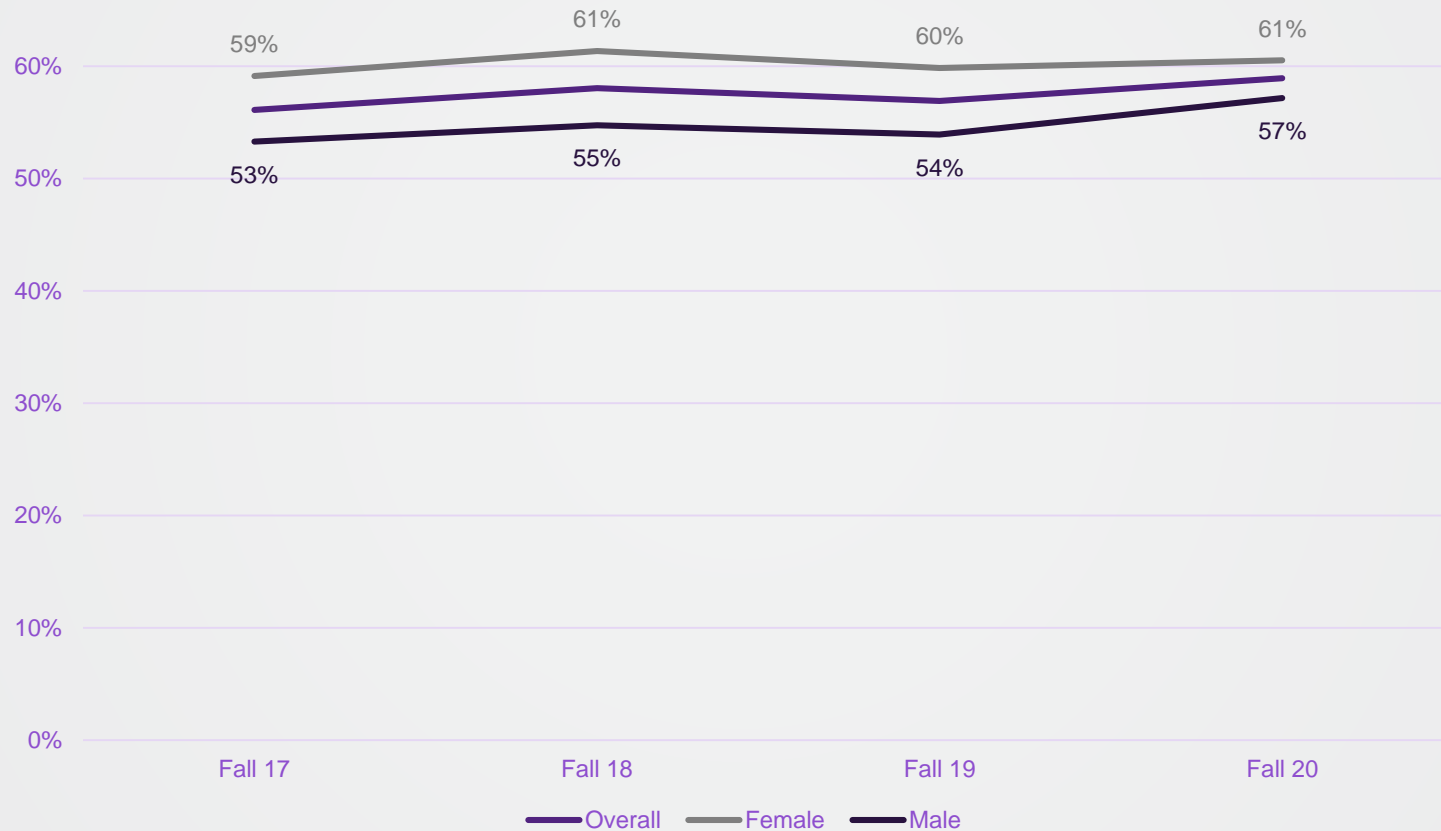
Completion of Gateway Mathematics (FTEIC in first year by Pell Status)



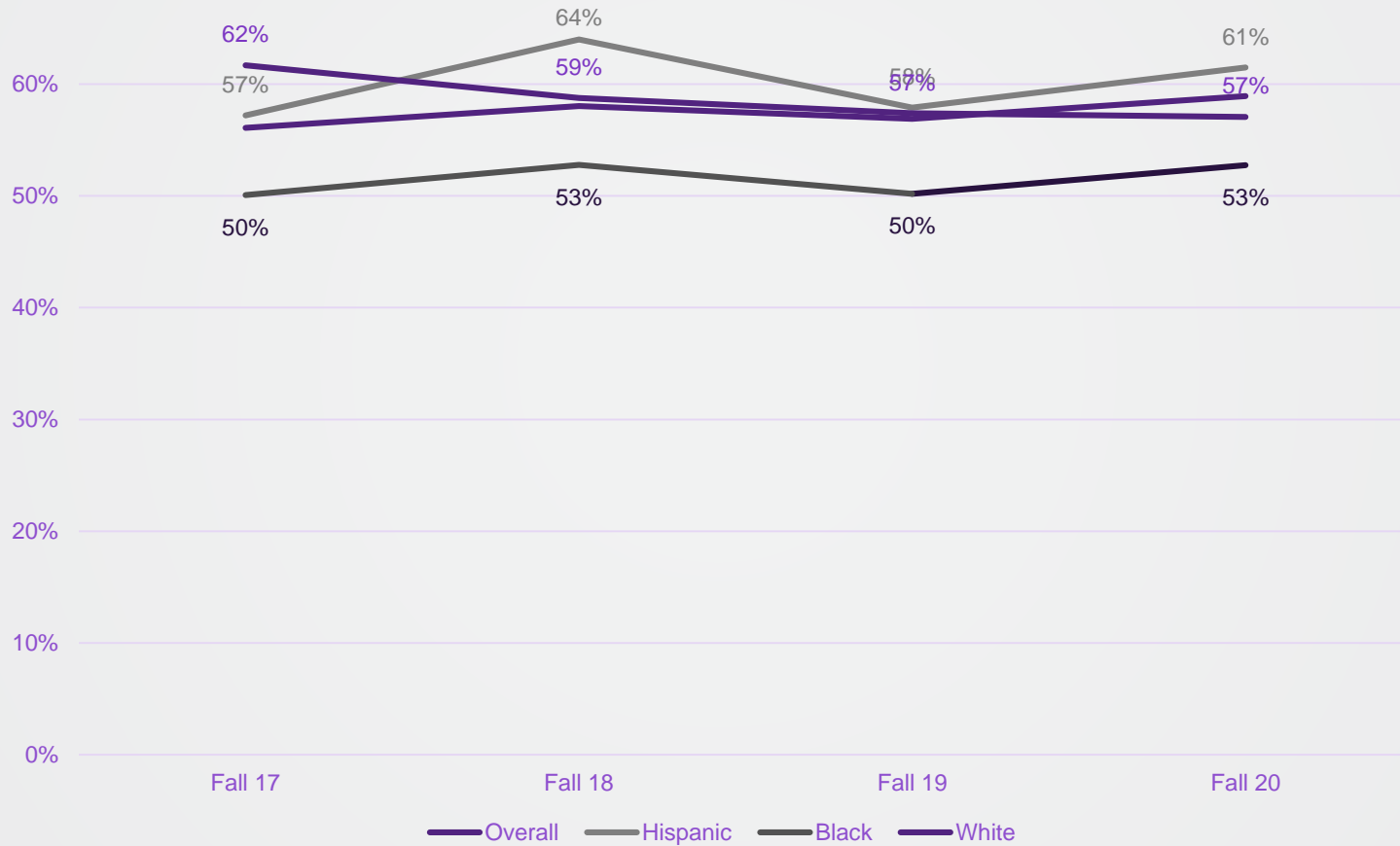
Completion of Gateway English (FTEIC in first year)



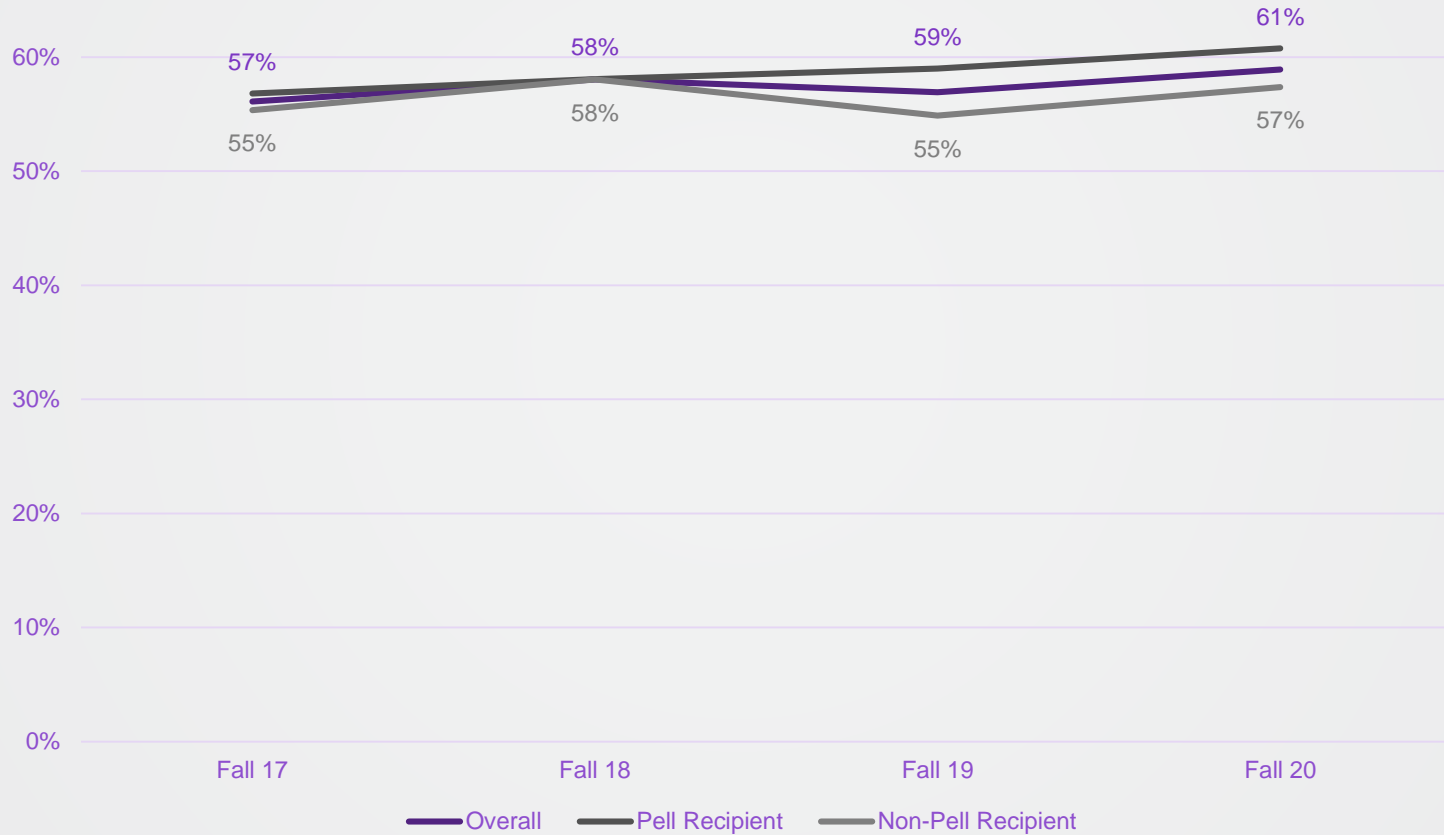
Completion of Gateway English (FTEIC in first year by gender)



Completion of Gateway English (FTEIC in first year by ethnicity/race)



Completion of Gateway English (FTEIC in first year by Pell Status)



More data available

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- Assisting with the design, implementation, and reporting of research studies,
- Coordinating the Montgomery College Institutional Review Board (IRB),
- Designing, conducting, and analyzing student, faculty, and staff surveys and focus groups,
- Working with Academic Affairs, Student Services, Administrative Services, and IT to help maintain a robust Student Information System,

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