

Helping Our Students Begins with Knowing Them

Comparing Students Awarded a Pell Grant and Students Residing in a Low Income Neighborhood

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Presentation Objectives



- Learn more about our first time in college students, especially those who come from low income environments.
- Compare usefulness of different measures of Socio-Economic Status in assessing academic outcomes for low income students.

Two SES Proxies



Pell Grant eligibility has been used as proxy for low income or low socio-economic status for many years.

A new approach identifies a student as low income based on the neighborhood in which they live.

Identifying Resides-Low-SES



Resides-Low-SES Neighborhood

- Based on American Community Survey median income and average household size for census tract block-group associated with student's local or preferred address
- If median household income in the block-group is below 200% of Federal Poverty Guideline, then "Resides-Low-SES" = Yes



Research Assumptions

Assume students residing in low income neighborhoods and students eligible for Pell grants (due to low estimated family contribution to education) have similarly limited access to:

- High quality primary and secondary education.
- Community resources such as libraries, extracurricular activities, cultural events, etc.
- Parents, guardians, or older siblings with postsecondary education credentials.
- High quality food, parks, and other resources that support good health.

Research Questions



Are students awarded a Pell grant doing better or worse academically than students who are not awarded a Pell grant?

Are students who reside in a low income neighborhood doing better or worse than students who do not reside in low income neighborhood?

Research Questions

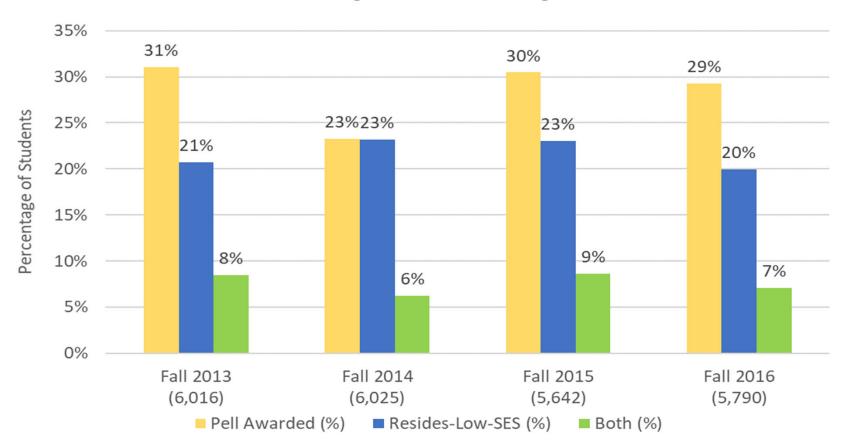


- For the Pell-awarded students, are there gaps between white and Black/African-American/Black students, or between white and Hispanic/Latino students?
- For the students who reside in low income neighborhoods, are there gaps between white and Black/African-American students, or between white and Hispanic/Latino students?

Comparing SES Measures



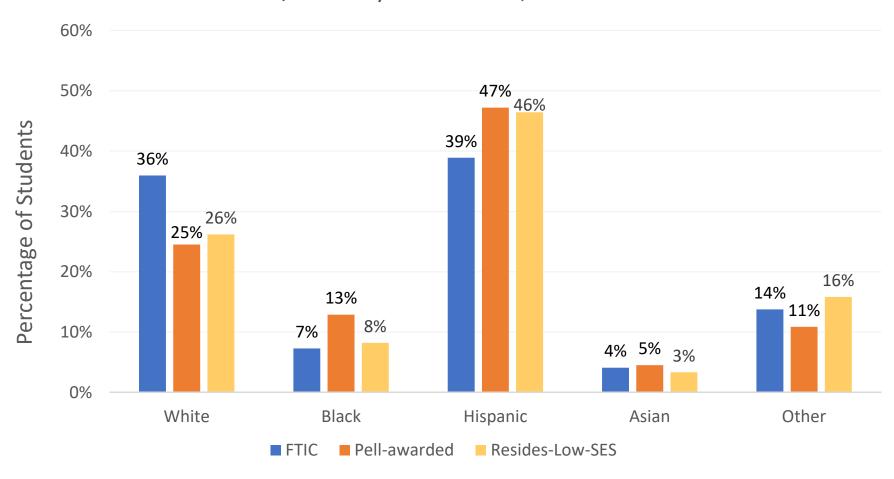
FTIC Cohorts: Students Awarded Pell Grants & Students Residing in Low Income Neighborhoods



Comparing SES Measures

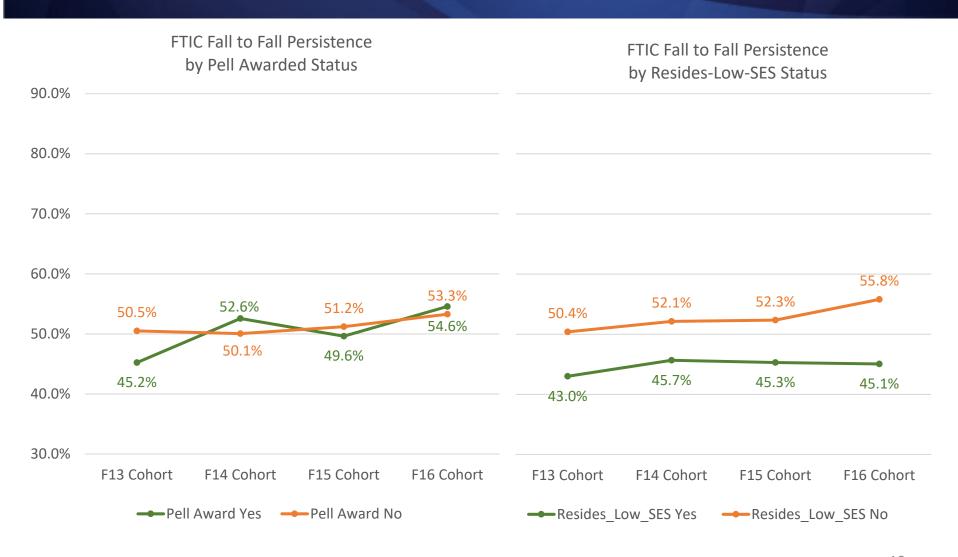


Race/Ethnicity Distribution, 2013-2016



Fall to Fall Persistence

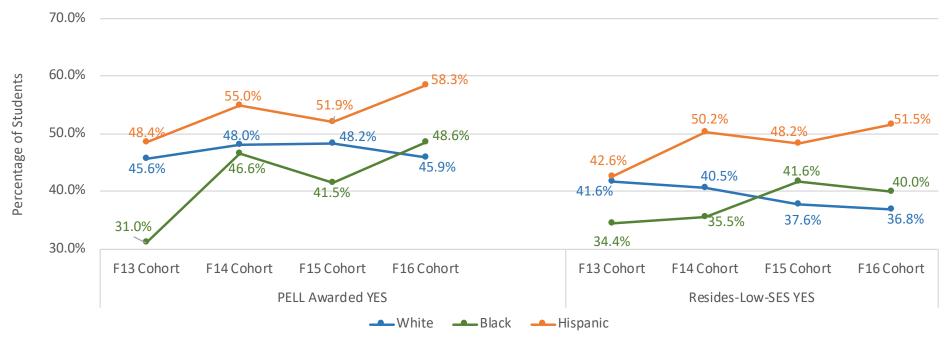




Fall to Fall Persistence



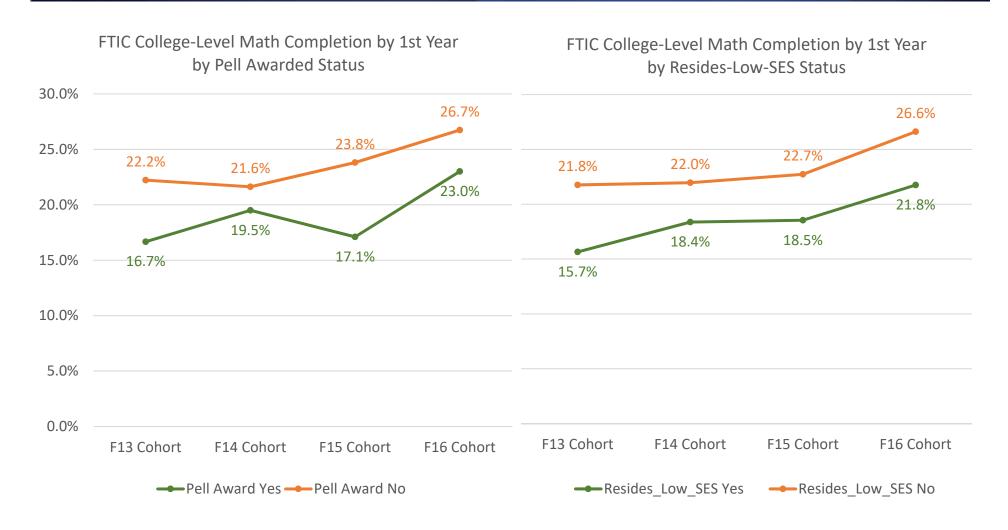




Higher Persistence Rates for Hispanic/Latino Students. => Both SES measures are helpful in seeking differences by race/ethnicity.

Math Completion

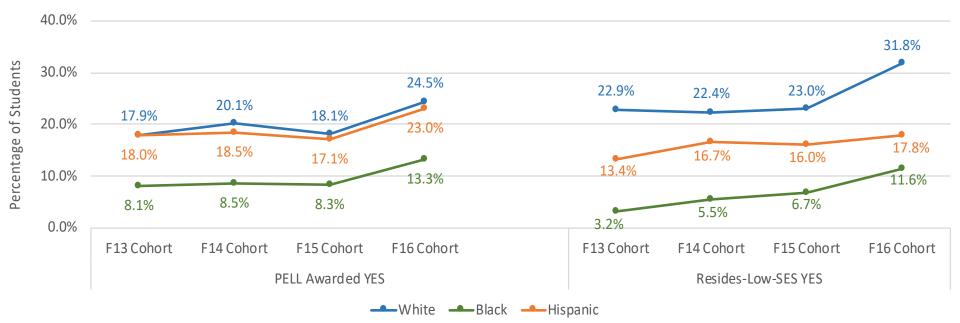




Math Completion





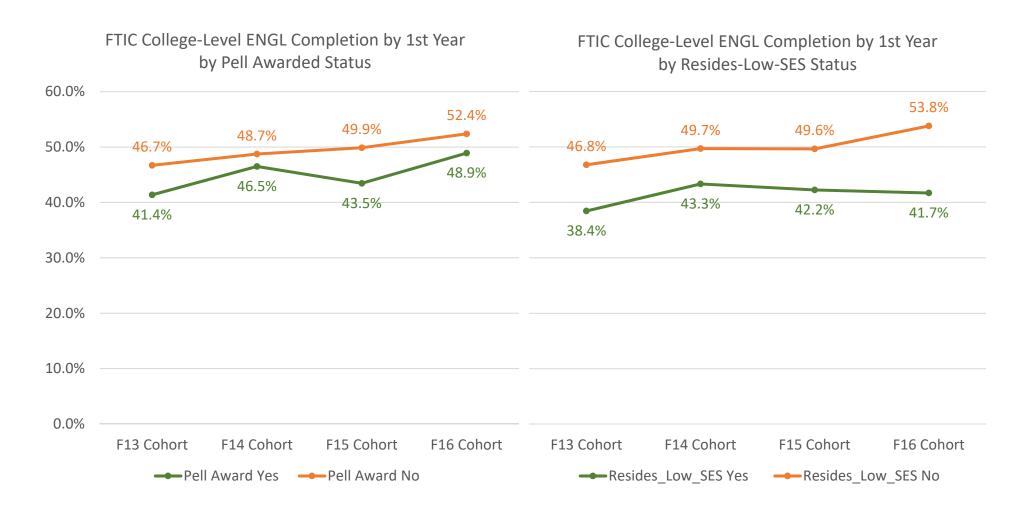


Much Higher Completion Rates for Whites residing in a low income neighborhood. Equity gaps among all groups.

=> Resides-Low-SES measure is helpful in seeing differences by race/ethnicity.

English Completion

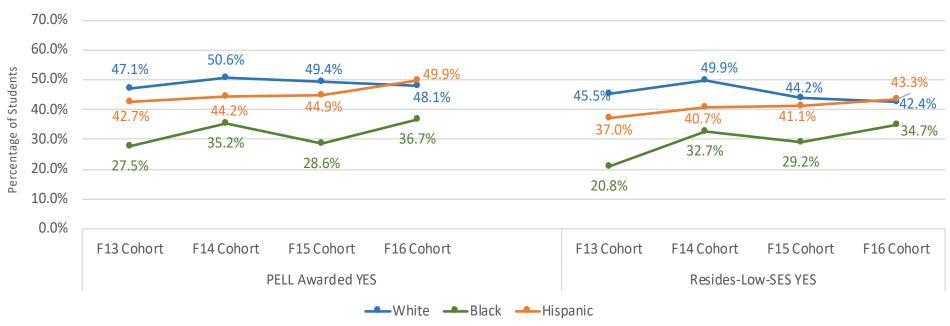




English Completion



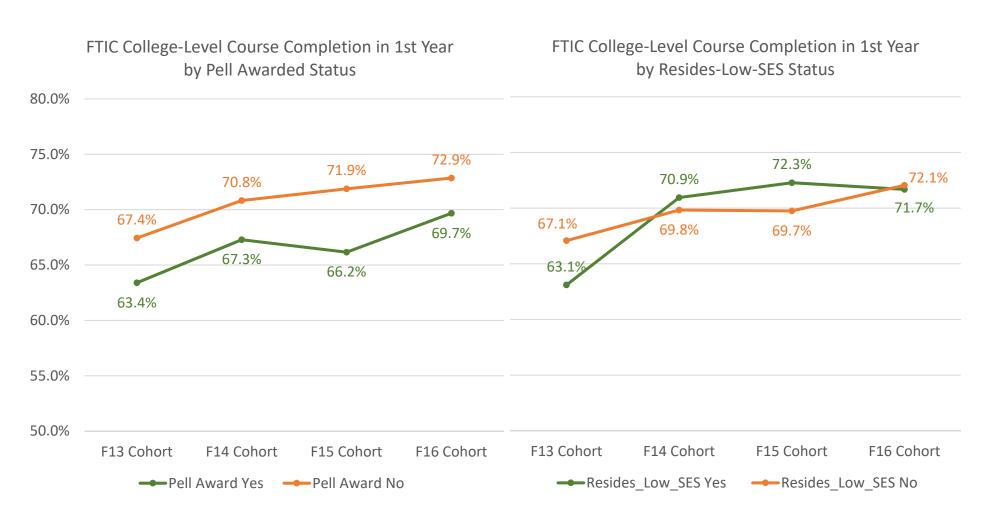




Equity gaps narrow between White and Hispanic/Latino. => Both SES measures are helpful in seeing differences by race/ethnicity.

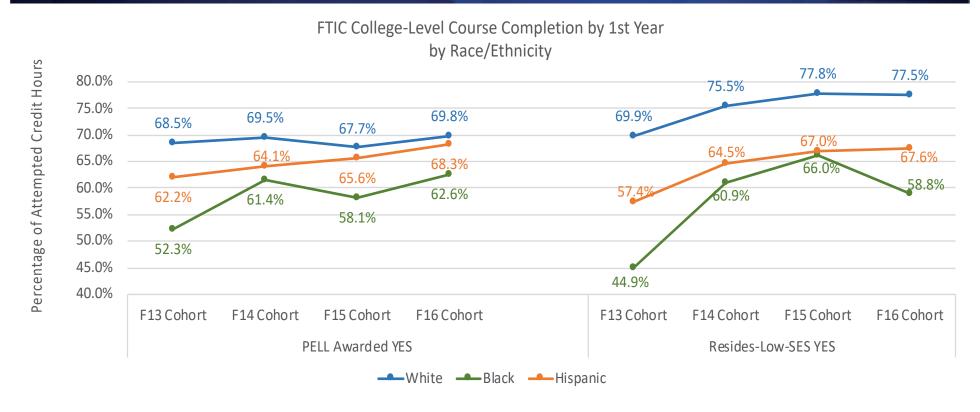
College-level Attempted Credit Hours Completed





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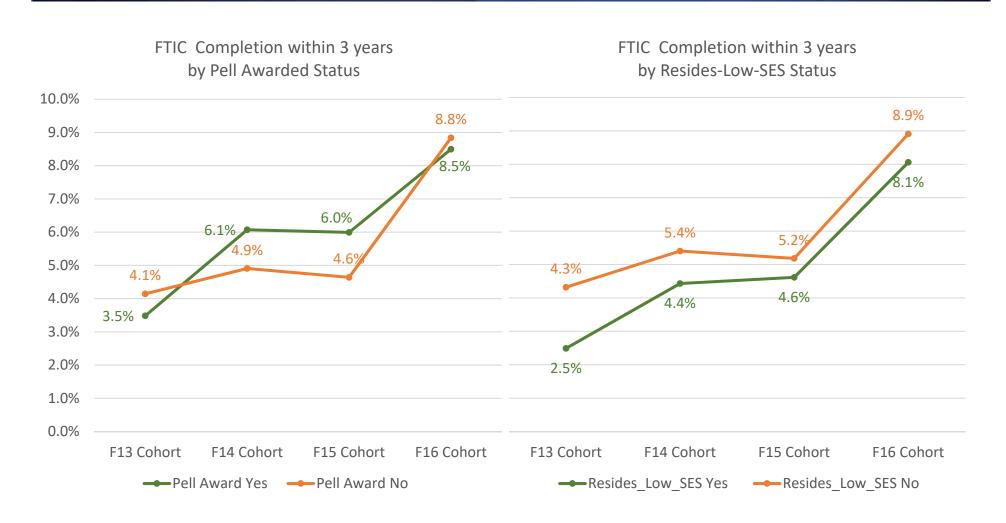
Much Higher Completion Rates for Whites residing in low income neighborhoods.

=> Resides-Low-SES measure is helpful in seeing differences by race/ethnicity.

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Credential within 3 Years

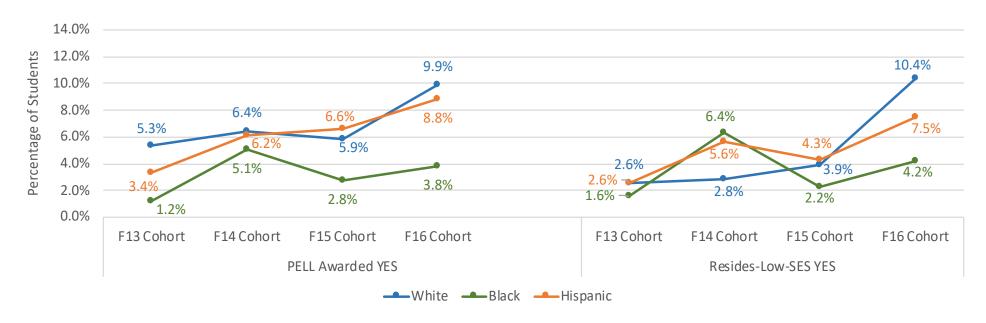




Credential within 3 Years





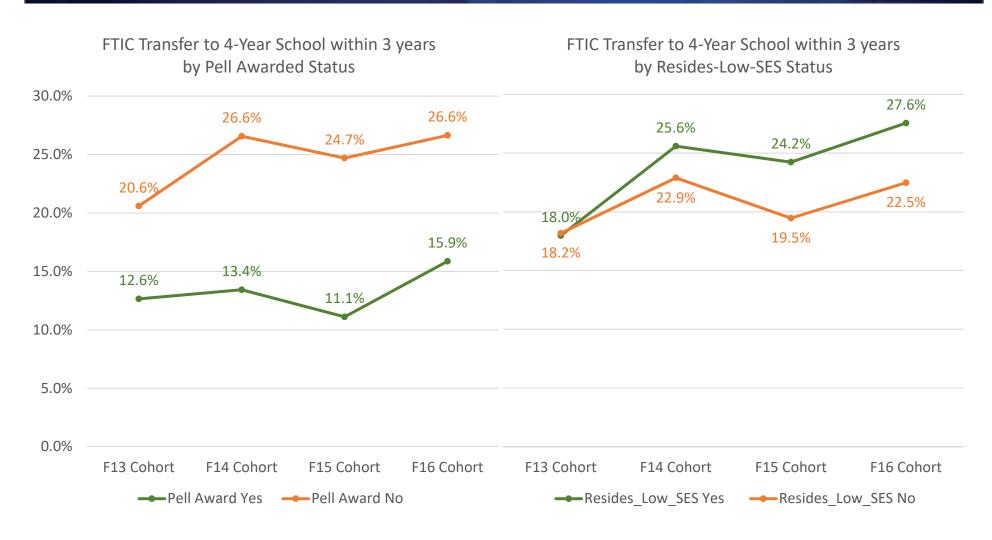


Equity gaps between White and Hispanic/Latino groups are wider in 2016 for students residing in a low income neighborhood.

=> Both SES measures are helpful in seeing differences by race/ethnicity.

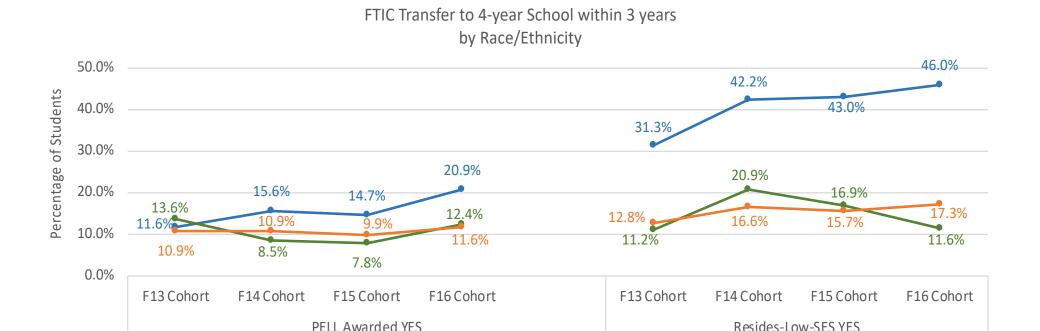
Transfer within 3 Years





Transfer within 3 Years





Much higher Transfer Rates for Whites residing in a low income neighborhood.

→ White → Black → Hispanic

=> Resides-Low-SES measure is helpful in seeing differences by race/ethnicity.

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Conclusions



- Academic outcomes for FTIC student cohorts are improving each year.
- Students identified as low income appear to have lower success rates than non-low income students, except for:
 - In completions, Pell-awarded students had higher success rates.
 - In transfers, students residing in low income neighborhoods had higher success rates.

Conclusions



- The effectiveness of the Resides-Low-SES as a proxy for economic disadvantage is considerable.
- It's hard to say which measure is better as a proxy of social economic status, but Resides-Low-SES tells more of the story about race/ethnicity disparity.

Future Research



- Why are success rates higher for Hispanic/Latino students residing in low income neighborhoods? What supports are working that can be scaled for all students?
 - Fall to Fall Persistence
- Why are white students in low income neighborhoods doing so much better than Pell-awarded and other groups?
 - Math Completion by End of 1st Year
 - Attempted College-level Credit Hours Completed in 1st Year
 - Transfer to 4-Year Institution within 3 Years

Limitations of this study



- Populations: The numbers of FTIC students are small, especially when disaggregated by race/ethnicity.
- Pell-awarded measure of low income: FAFSA data is submitted by less than one-third of all students.
- Resides-Low-SES measure of low income: Missing data for some block groups. Some block groups may not be comprised of homogeneous households due to gentrification, out-migration, rapid growth.







Thank you!