Academic and Emotional Impacts of COVID on Students

Jennifer Drew, S-STEM PI jdrew@ufl.edu Alexandria Ardissone, Sebastian Galindo, Eric W Triplett



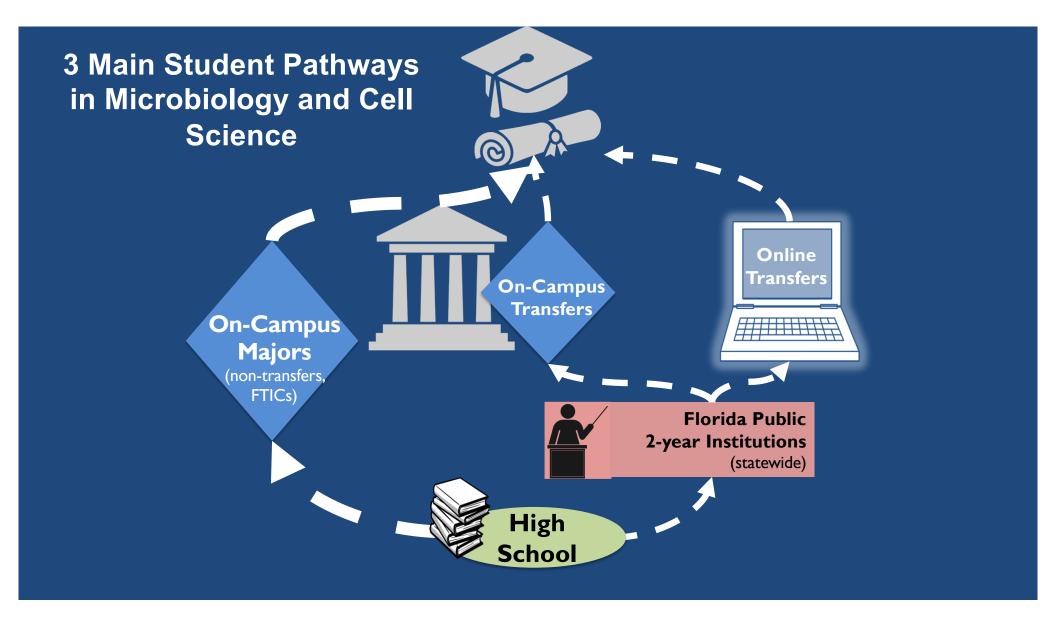


FLORIDA PATHWAYS TRANSFER STUDENT SCHOLARSHIPS



2 Main COVID Impacts for our S-STEM Program:

- 1. Awarded scholarships to part-time transfer students and expanded participation of nontraditional and diverse students
- 2. Surveyed all students: S-STEM and on-campus transfers are experiencing more severe impacts





Awarded 2017 Partnership with Miami Dade College

Focus on Transfer Students 112 scholars in AA to BS pathway On-campus and online tracks Increased retention 2-year grad rate 66% vs. 36% Increased participation in STEM 63% women 41% URM 24 = mean age



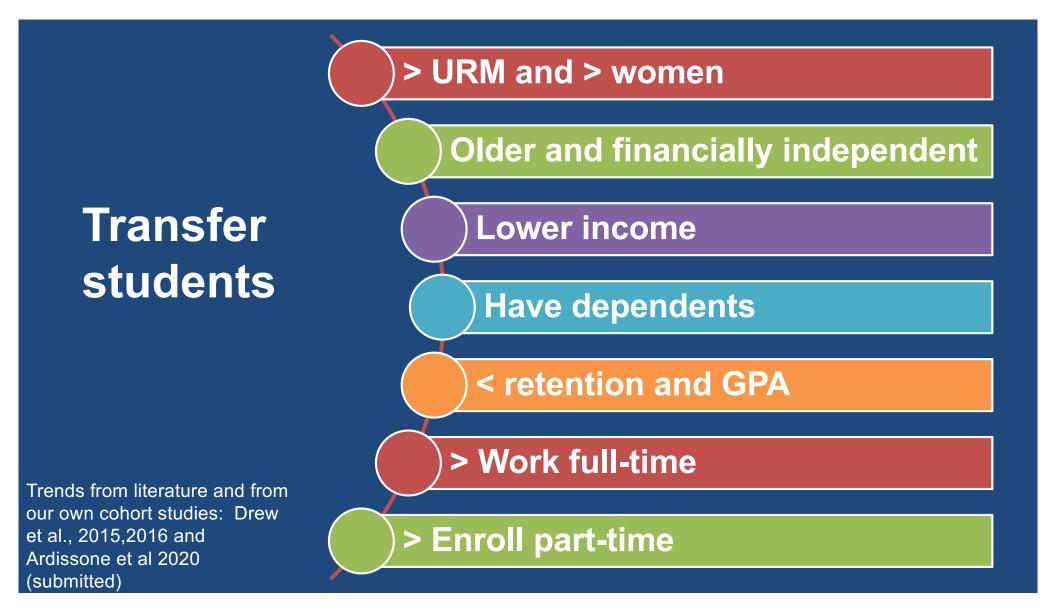
FLORIDA PATHWAYS TRANSFER STUDENT SCHOLARSHIPS

MICROBIOLOGY & CELL SCIENCE

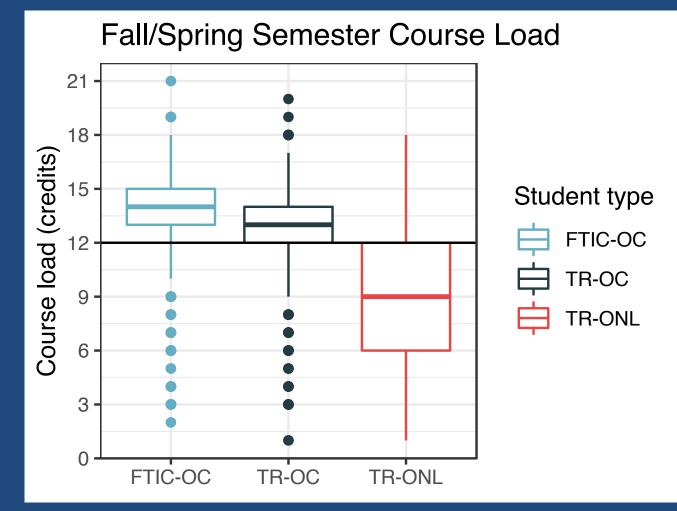
http://microcell.ufl.edu/s-stem/

Online Bachelor of Science in Microbiology & Cell Science

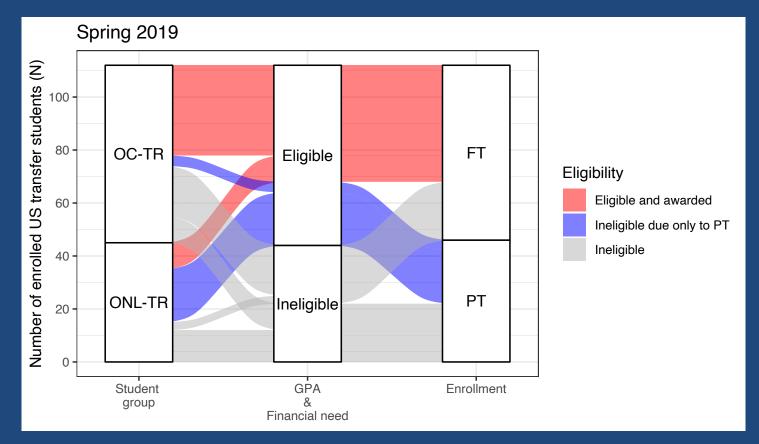
- 1st hybrid online STEM degree at a land-grant institution, 2011
- 2 + 2 program without relocating
- Courses, curriculum, and instructors are the same
- Began with Miami Dade College, largest MSI
- All lecture courses are online
- ALL LAB COURSES ARE FACE-TO-FACE*



Majority of Online Transfers Enroll < Full-time

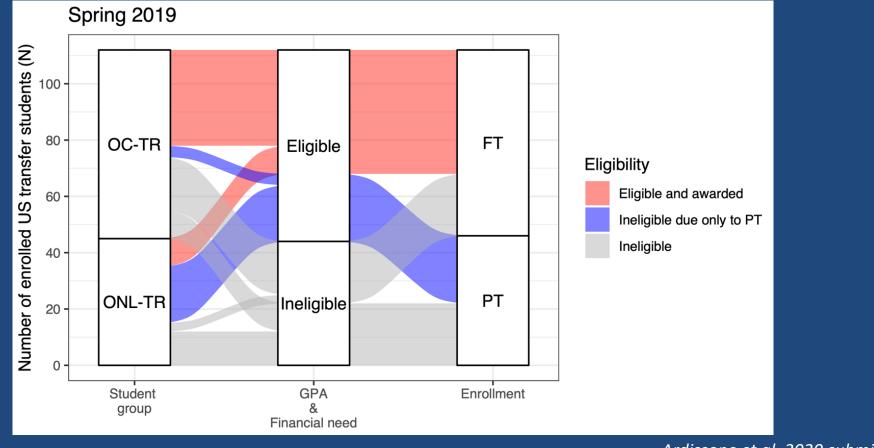


Pre-COVID: >40% of eligible TR students excluded from S-STEM only because of enrollment status



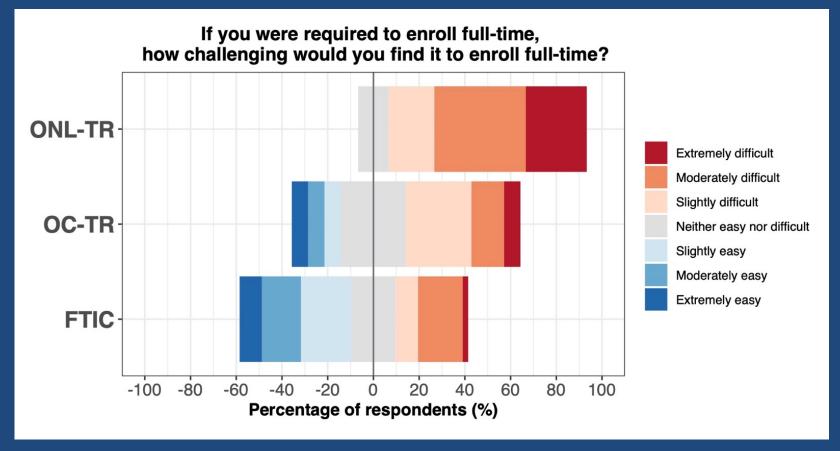
Ardissone et al, 2020 submitted

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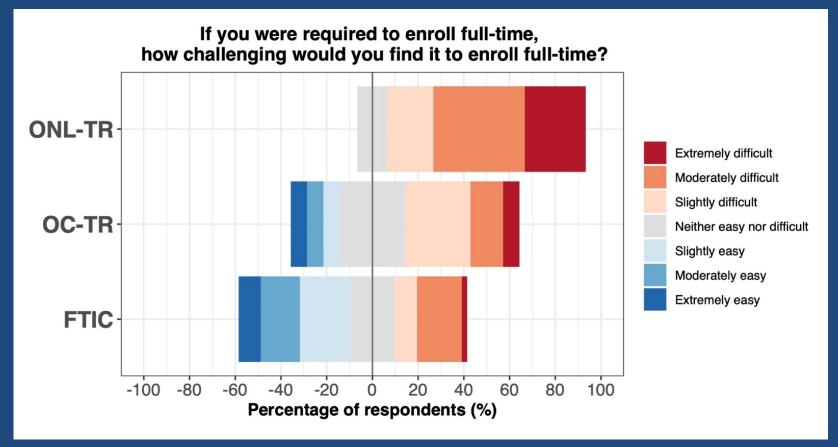


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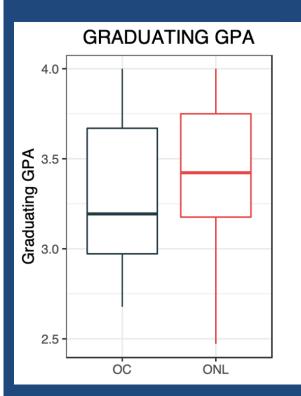
FT enrollment is more challenging for transfer students



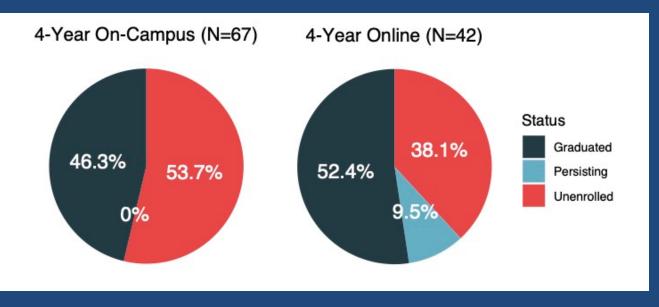
FT enrollment is more challenging for transfer students



For some, it's impossible.



Part-time enrollment of online transfers does not affect outcome. >GPA and >retention than FT Oncampus transfers



*On-campus vs. Online Transfer student comparison; 4-year graduate cohort (2011-2014 academic years)

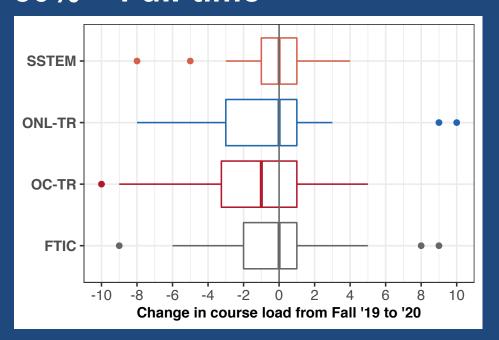
COVID Changed Everything

On-campus FTIC enrollment ↓ On-campus Transfer enrollment ↑ Online enrollment ↑ URM participation ↑ overall from 25 to 32% Lecture courses remained online Lab courses → online Policy change for S-STEM full-time enrollment

THANK YOU, NSF!



Biggest impact for new S-STEM Online-TR scholars Cohort increased $4 \rightarrow 18$ 50% < Full-time



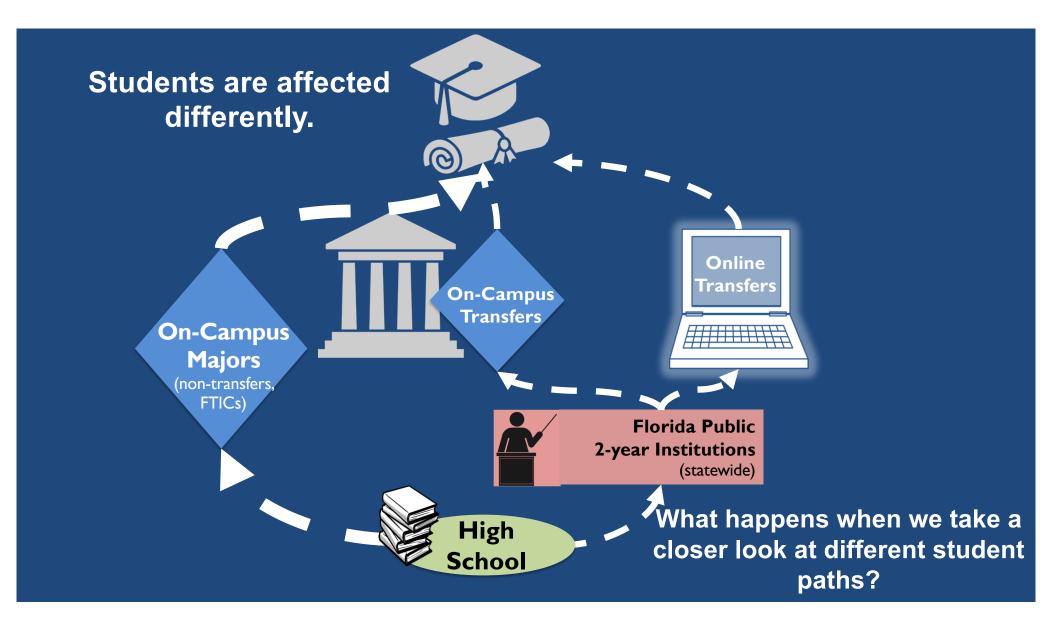
Continuing Scholars had no overall change in course load from Fall '19 to Fall '20 despite policy shift

Stay tuned for data on PT S-STEM success!

COVID-19 Impact Survey 158 respondents 17% of all MCS students 18 S-STEM scholars June, 2020 50 Item Instrument developed by S. Galindo

Overall, students did not report major academic impacts

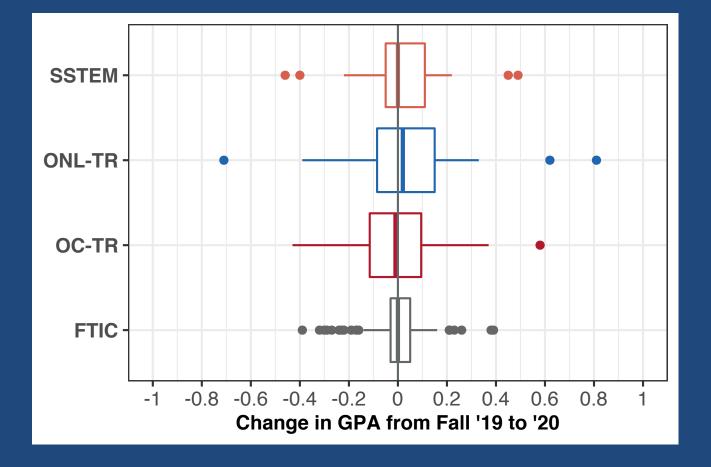
12% withdrew from a course20% elected to take an S/U option42% felt their GPA decreased84% no delay in their expected graduation



S-STEM students reported more academic impacts

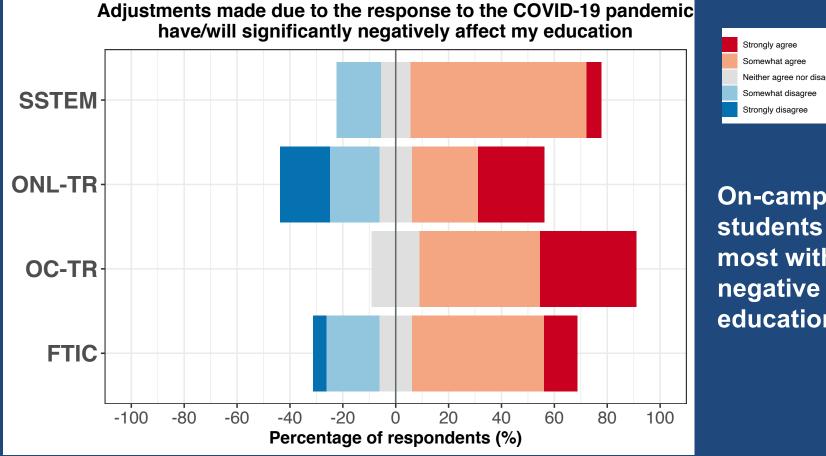
Spring 2020 Effects	FTIC	OC-TR	ONL-TR	SSTEM
Withdraw from course	18%	18%	6%	22%
S/U option	15%	18%	13%	61%
Decreased GPA	45%	36%	56%	72%
Graduation Delay	5%	45%	13%	50%

No GPA change from F 19 to F 20



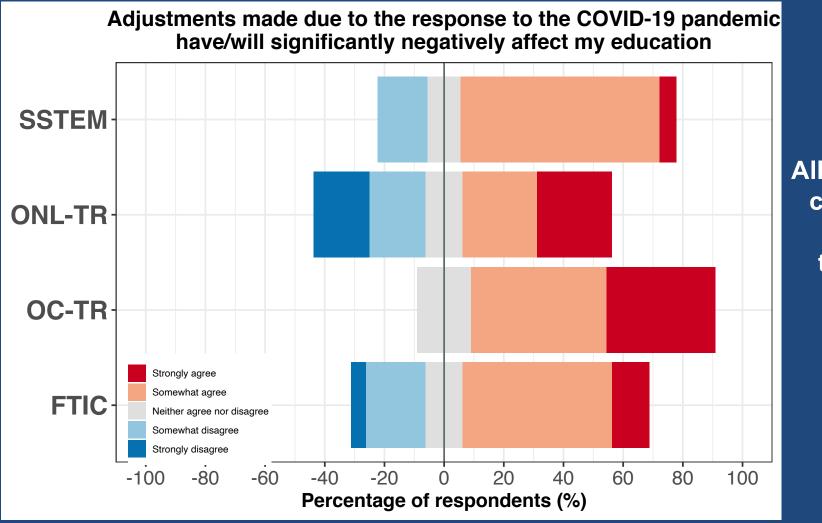
Perceived drop in GPA due to COVID was not confirmed for continuing students

Most S-STEM students agree that COVID will negatively affect education

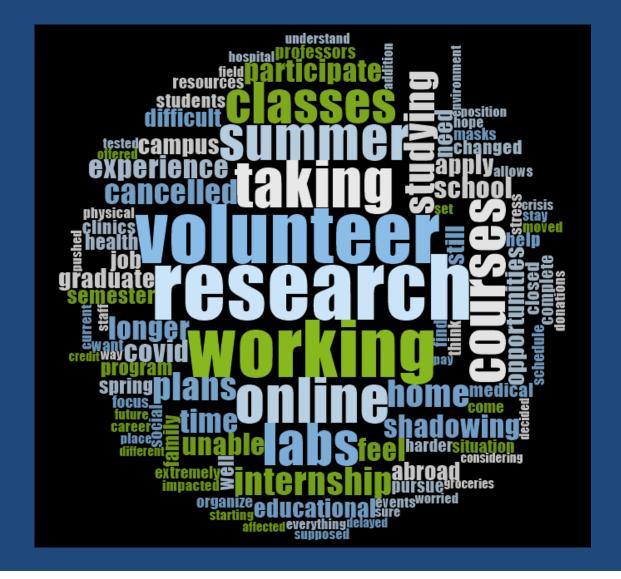


Neither agree nor disagree

On-campus transfer students agree the most with the negative effects on education



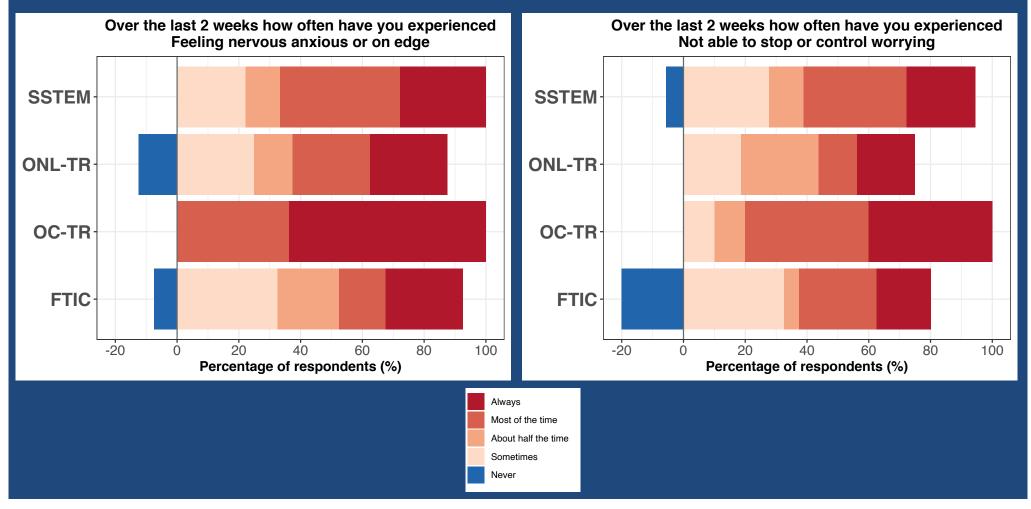
All groups cited concerns over the quality of the education 80% reported impact to summer plans. No research, internships or volunteering.



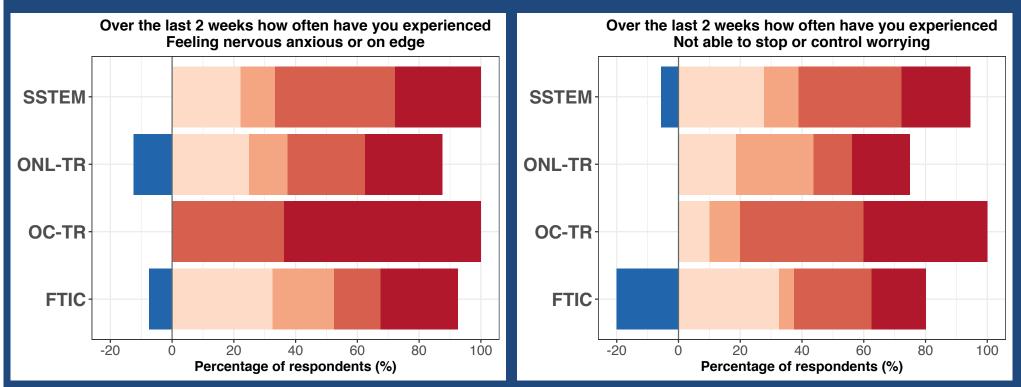
Most students (76%) report that COVID has not changed immediate educational goals or career plans

*Follow up survey administered in Fall 2020 will provide interesting longitudinal data on this question.

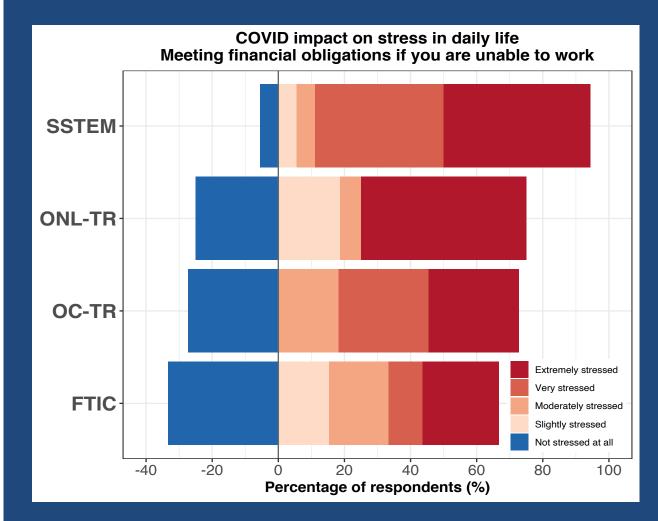
All Students Experiencing Intense Stress



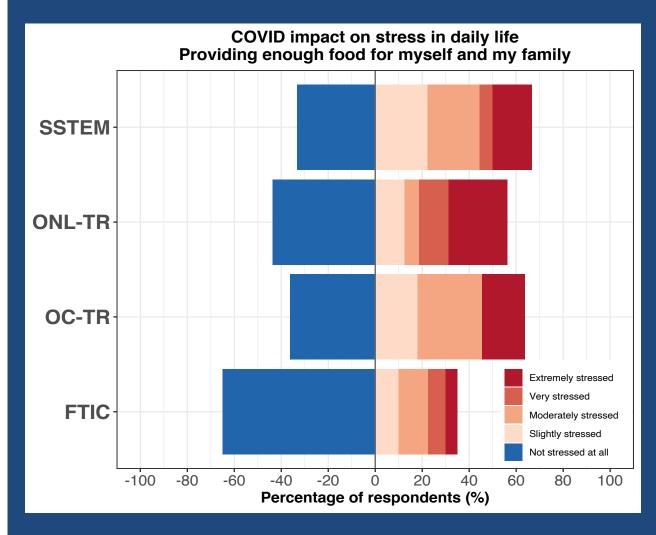
All Students Experiencing Intense Stress



S-STEM students and On-campus transfer students report more stress than FTIC and online students. Most S-STEM students are on-campus Transfers.



S-STEM Students experience more stress in meeting financial obligations



Food Insecurity is a concern/stressor for > half of all respondents, but more so for transfer students than FTIC students

On-campus Transfer Students (both S-STEM and non S-STEM) experiencing more COVID impacts

SES Indicators	FTIC	OC-TR	ONL-TR	SSTEM
<\$25,000 household income	18%	52%	11%	61%
>\$150,000	35%	4%	17%	0%
<4-yr degree (Parent)	28%	70%	50%	78%
Grad/Prof degree (Parent)	45%	7%	22%	0%

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BUT... S- STEM program mitigates these factors. S-STEM students have > retention and GPA. We are tracking to look at longer term outcomes.

How do we help?

Sharing mental health resources Financial aid and food pantry program Working with Extension to connect resources for students around the state Developing Online/Remote summer research program Follow up Survey Fall 2020

Acknowledgements

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DUE 1643780: Florida Pathways to Success: A Research University/Minority-Serving Community College Partnership to Enhance Retention and Diversity of Transfer Students

Data Sources and Support: UF Enterprise Analytics

UF IFAS CALS UNIVERSITY of FLORIDA



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