## Academic and Emotional Impacts of COVID on Students

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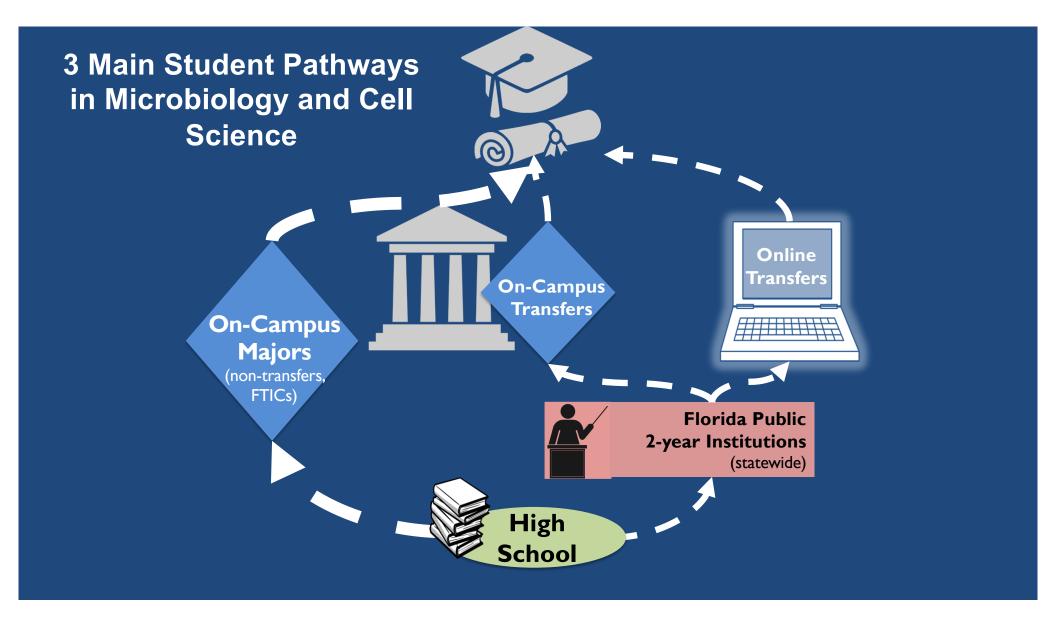


FLORIDA PATHWAYS TRANSFER STUDENT SCHOLARSHIPS



### 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



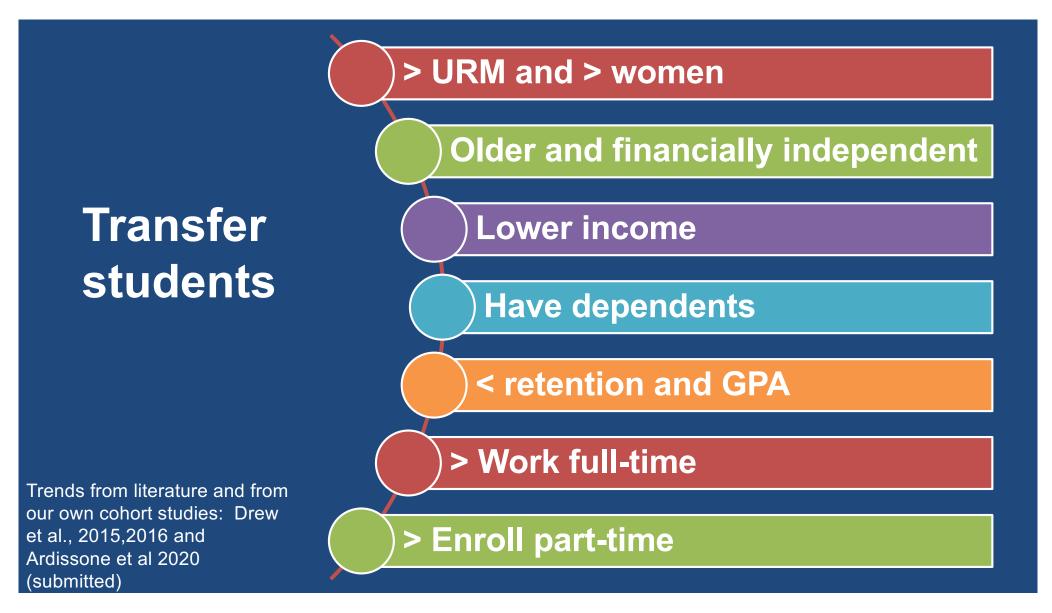
#### FLORIDA PATHWAYS TRANSFER STUDENT SCHOLARSHIPS

MICROBIOLOGY & CELL SCIENCE

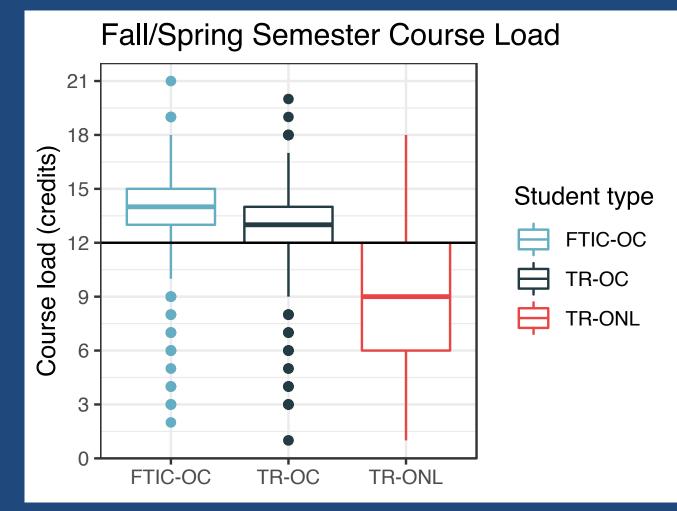
http://microcell.ufl.edu/s-stem/

# Online Bachelor of Science in Microbiology & Cell Science

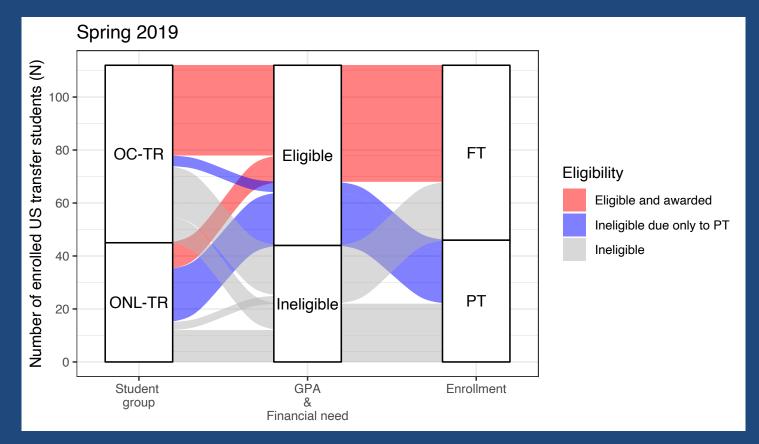
- 1st hybrid online STEM degree at a land-grant institution, 2011
- 2 + 2 program without relocating
- Courses, curriculum, and instructors are the same
- Began with Miami Dade College, largest MSI
- All lecture courses are online
- ALL LAB COURSES ARE FACE-TO-FACE\*



### **Majority of Online Transfers Enroll < Full-time**

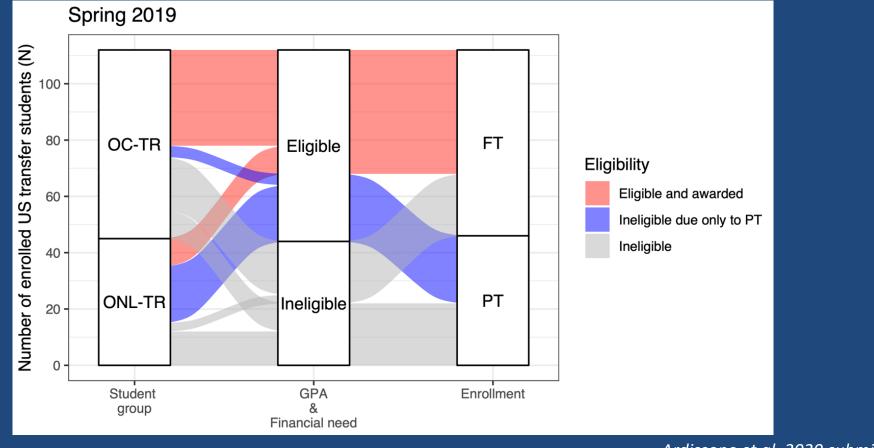


# Pre-COVID: >40% of eligible TR students excluded from S-STEM only because of enrollment status



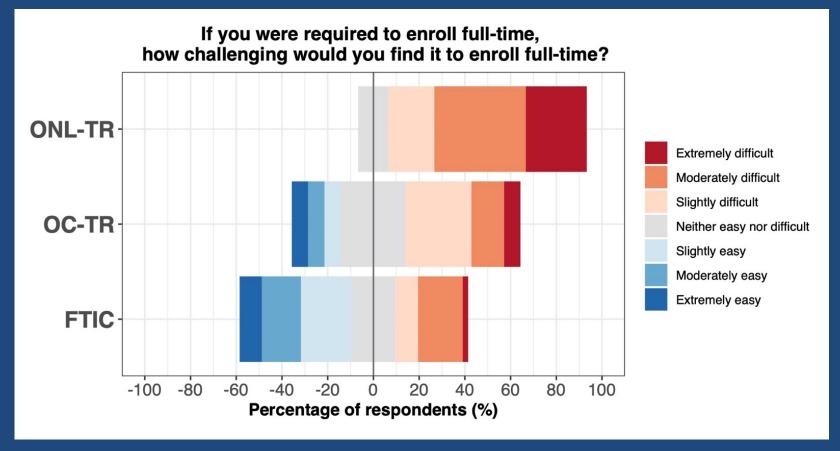
Ardissone et al, 2020 submitted

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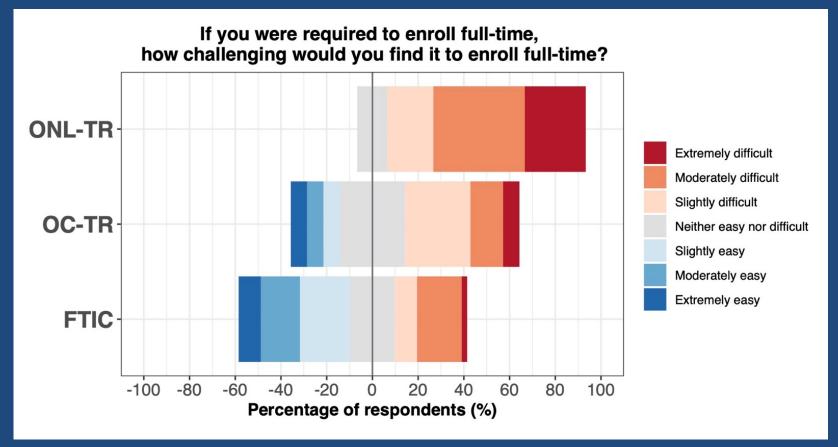


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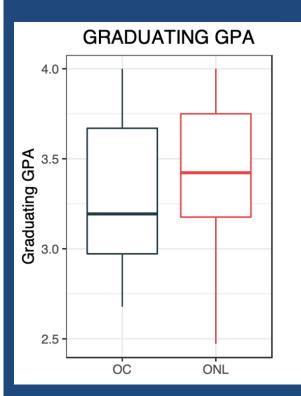
### FT enrollment is more challenging for transfer students



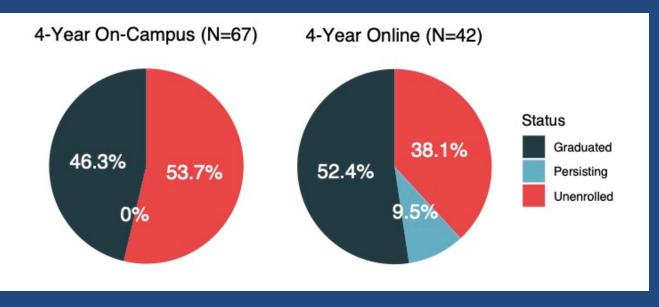
### FT enrollment is more challenging for transfer students



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)

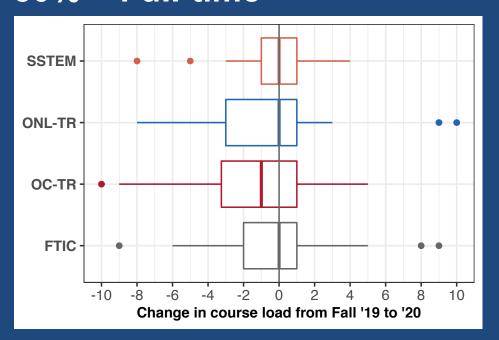
### **COVID Changed Everything**

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



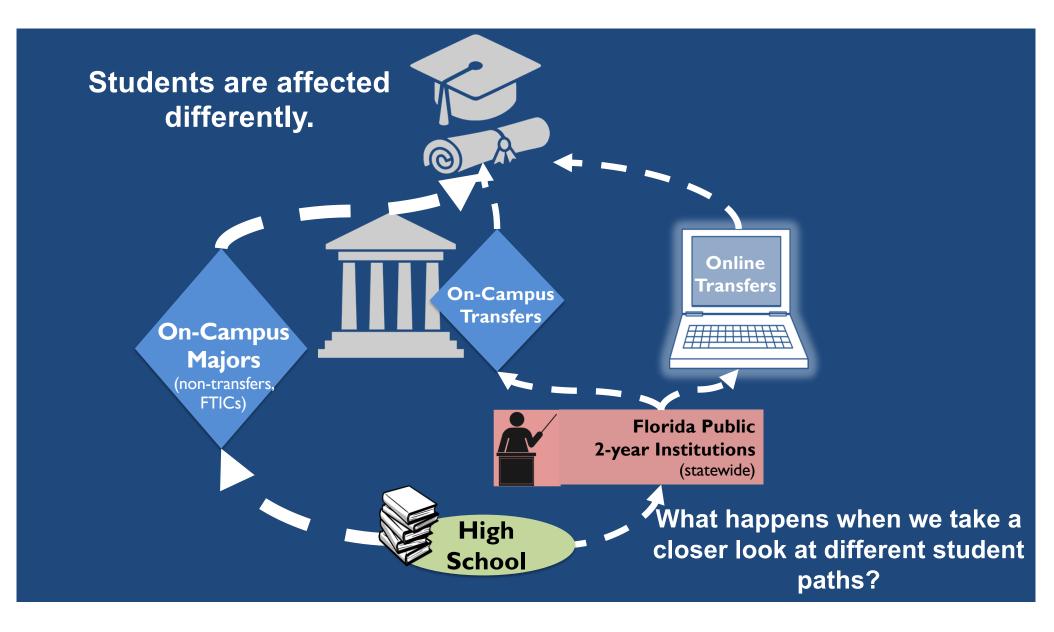
Continuing Scholars had no overall change in course load from Fall '19 to Fall '20 despite policy shift

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

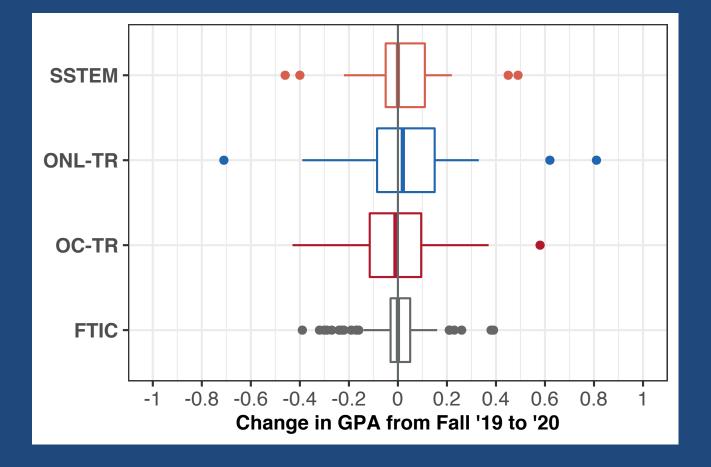
12% withdrew from a course20% elected to take an S/U option42% felt their GPA decreased84% no delay in their expected graduation



# S-STEM students reported more academic impacts

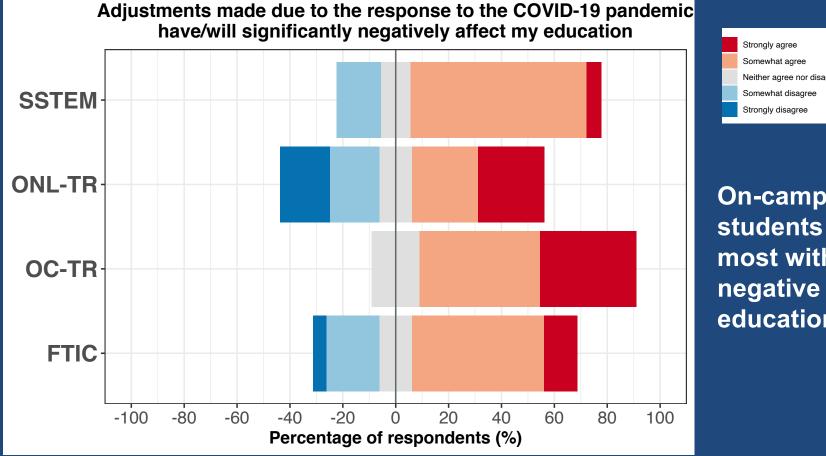
| Spring 2020 Effects  | FTIC | OC-TR | ONL-TR | SSTEM |
|----------------------|------|-------|--------|-------|
| Withdraw from course | 18%  | 18%   | 6%     | 22%   |
| S/U option           | 15%  | 18%   | 13%    | 61%   |
| Decreased GPA        | 45%  | 36%   | 56%    | 72%   |
| Graduation Delay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

### No GPA change from F 19 to F 20



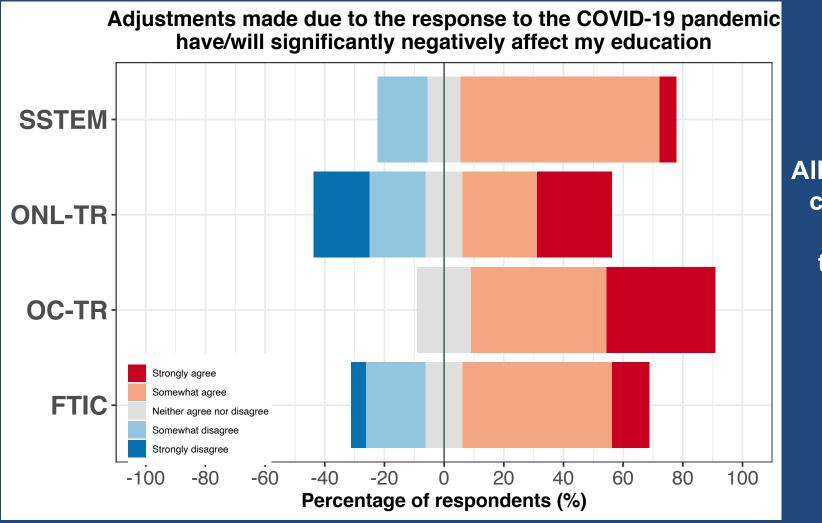
Perceived drop in GPA due to COVID was not confirmed for continuing students

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

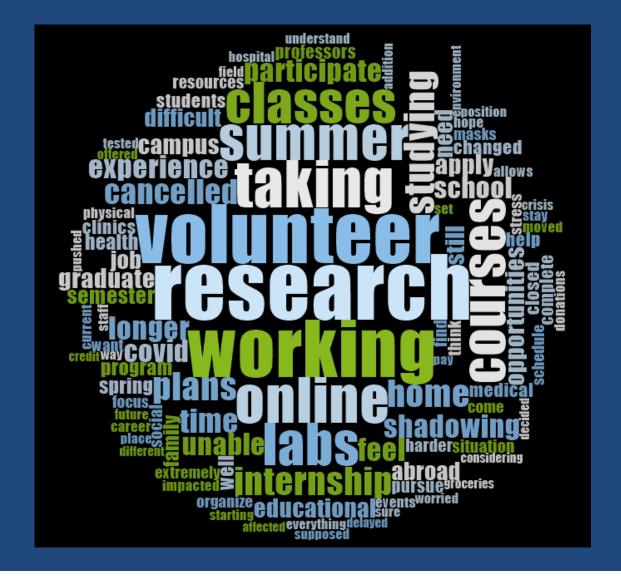


Neither agree nor disagree

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



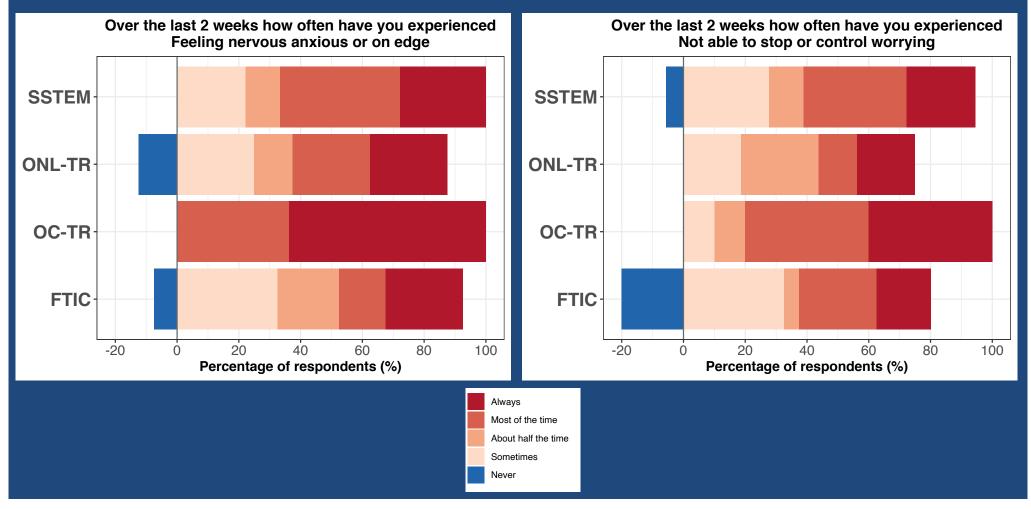
All groups cited concerns over the quality of the education 80% reported impact to summer plans. No research, internships or volunteering.



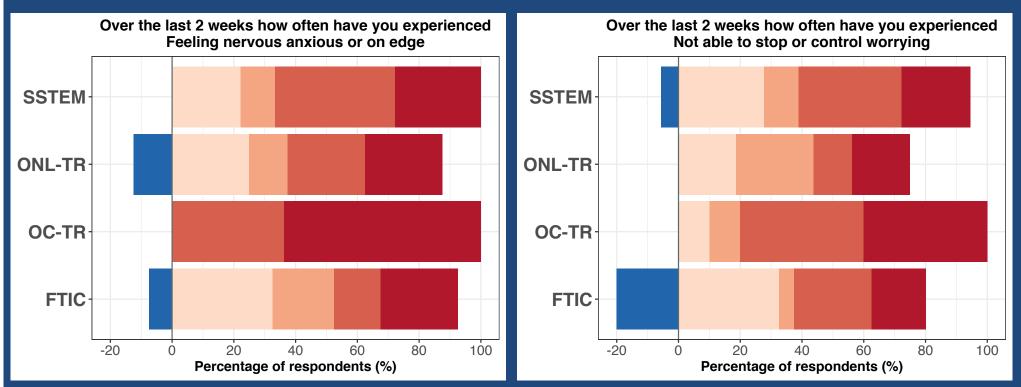
### Most students (76%) report that COVID has not changed immediate educational goals or career plans

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

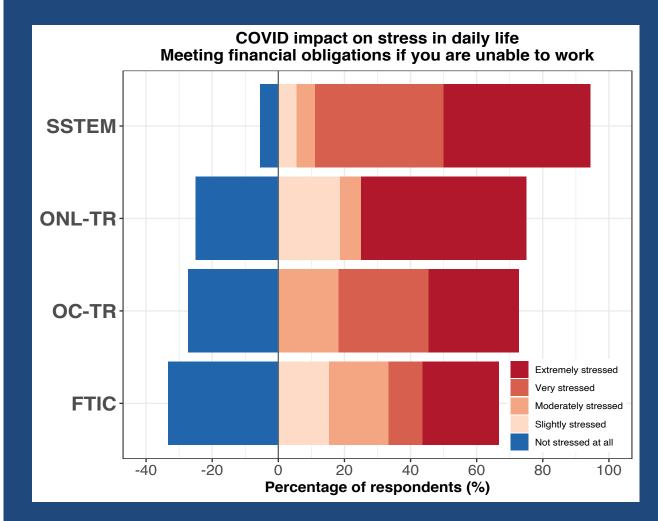
### **All Students Experiencing Intense Stress**



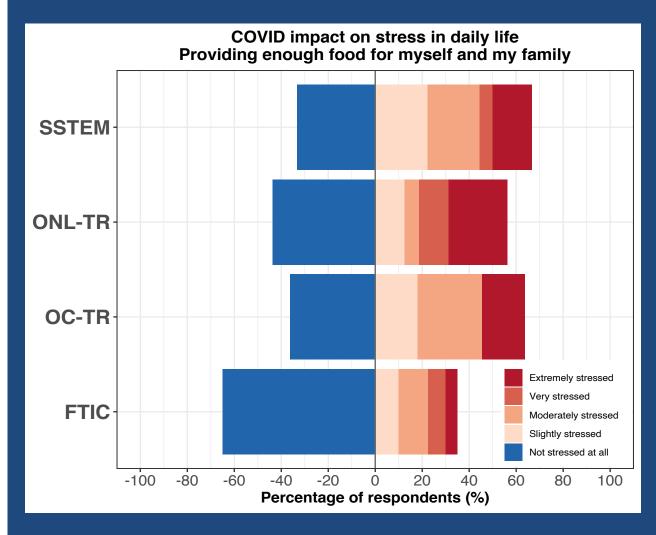
### **All Students Experiencing Intense Stress**



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%    |

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

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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

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