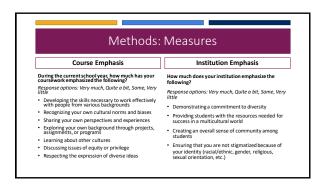
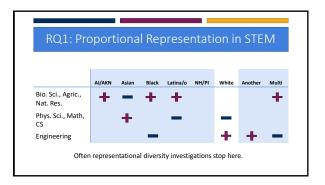
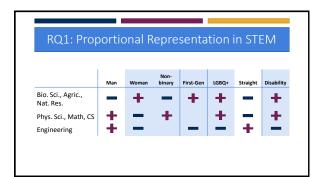
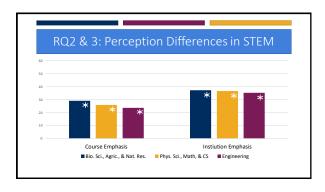


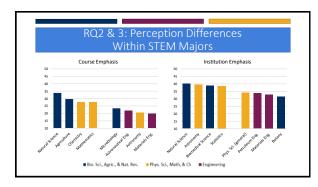
Methods: Data • 2017-2019 administrations of the National Survey of Student Engagement (NSSE) • Administered to first-year and senior students at four-year colleges • 256 institutions that selected to administer the Inclusiveness and Engagement with Cultural Diversity (ICD) Topical Module • Coursework emphasis on inclusive and culturally engaging activities • Institutional emphasis on diversity and inclusion • Over 60,000 first-years and 75,000 seniors



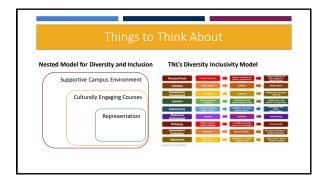








Conclusion Overall, STEM fields fall behind non-STEM fields regarding diversity beyond content Looking within STEM fields shows areas of strength, instead of looking to non-STEM fields for support we could look for ways to improve within. Biological science fields are one place to start Specific majors within fields could tell us helpful stories. For example, what could instructional staff in Materials Engineering learn from instructional staff in Natural Science? Stuck at where to start? Try one of our exercises!





Analysis

How do the following vary across subgroups of STEM fields:

- Student demographics?
 - Chi-square tests with adjusted standardized residuals (AR) +/-2 AR were considered notable
- Student perceptions of culturally engaging pedagogies?
 - · ANOVA with post hoc Tukey tests
- Student perceptions of institutional commitment to diversity?
 - ANOVA with post hoc Tukey tests