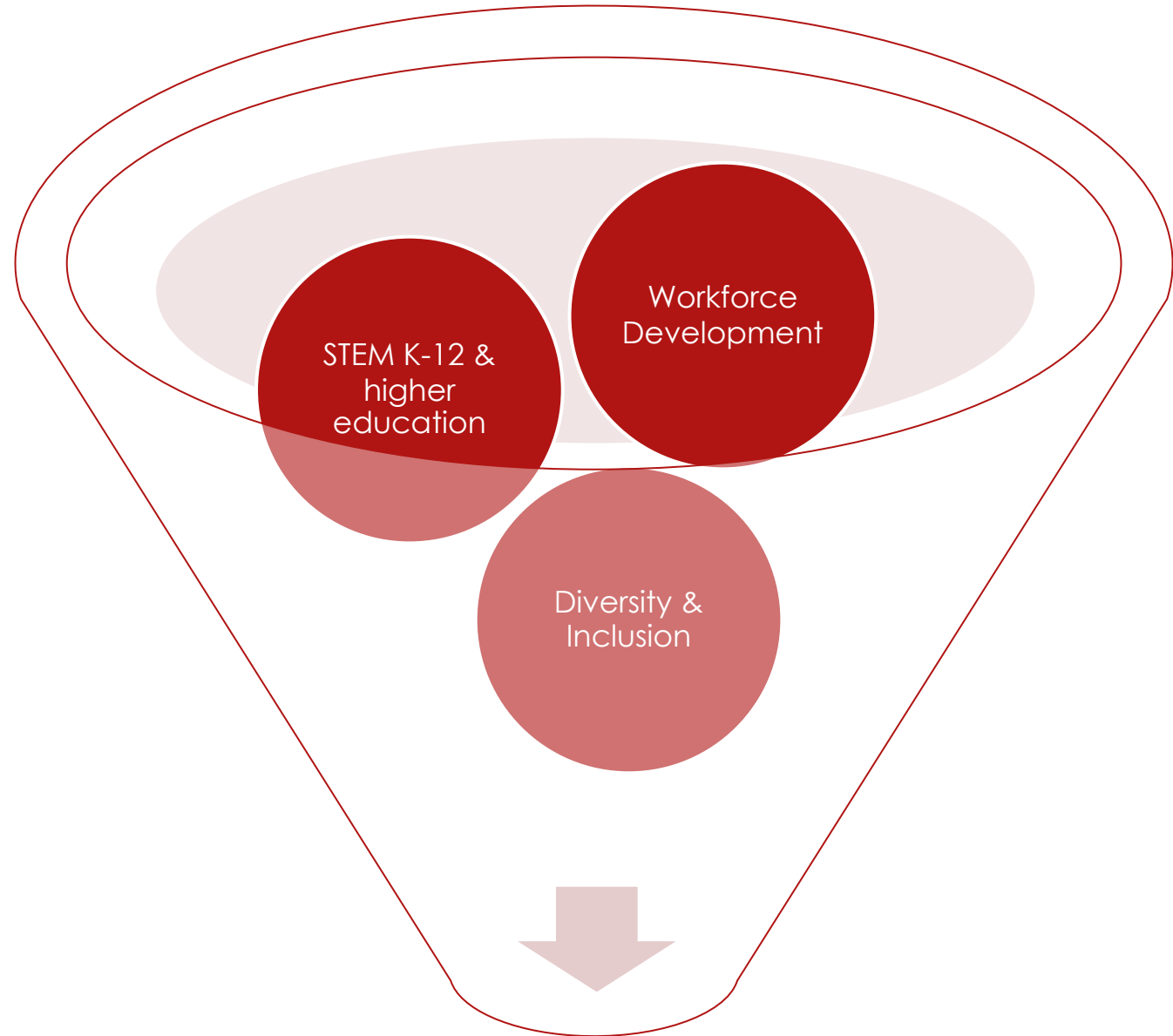




MNTSIG Live!

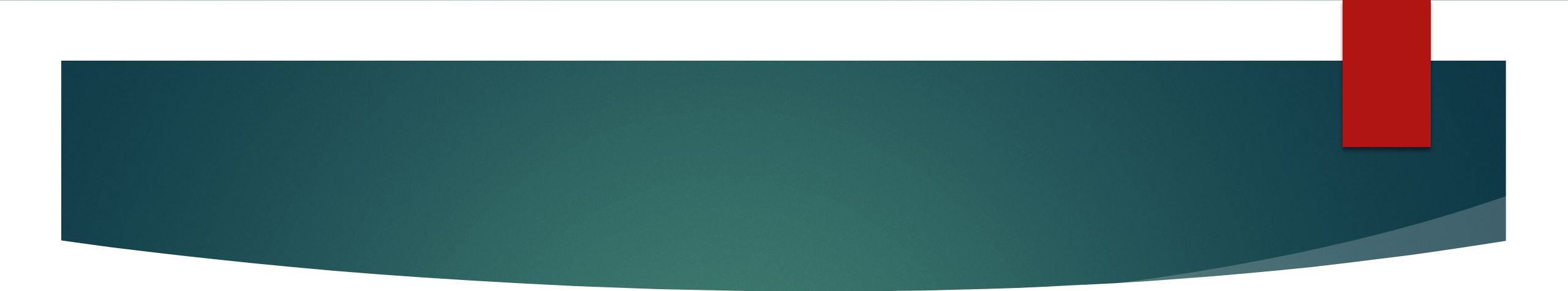
EQUITY IN STEM EDUCATION

KENDRICK DAVIS, PH.D.



Better World

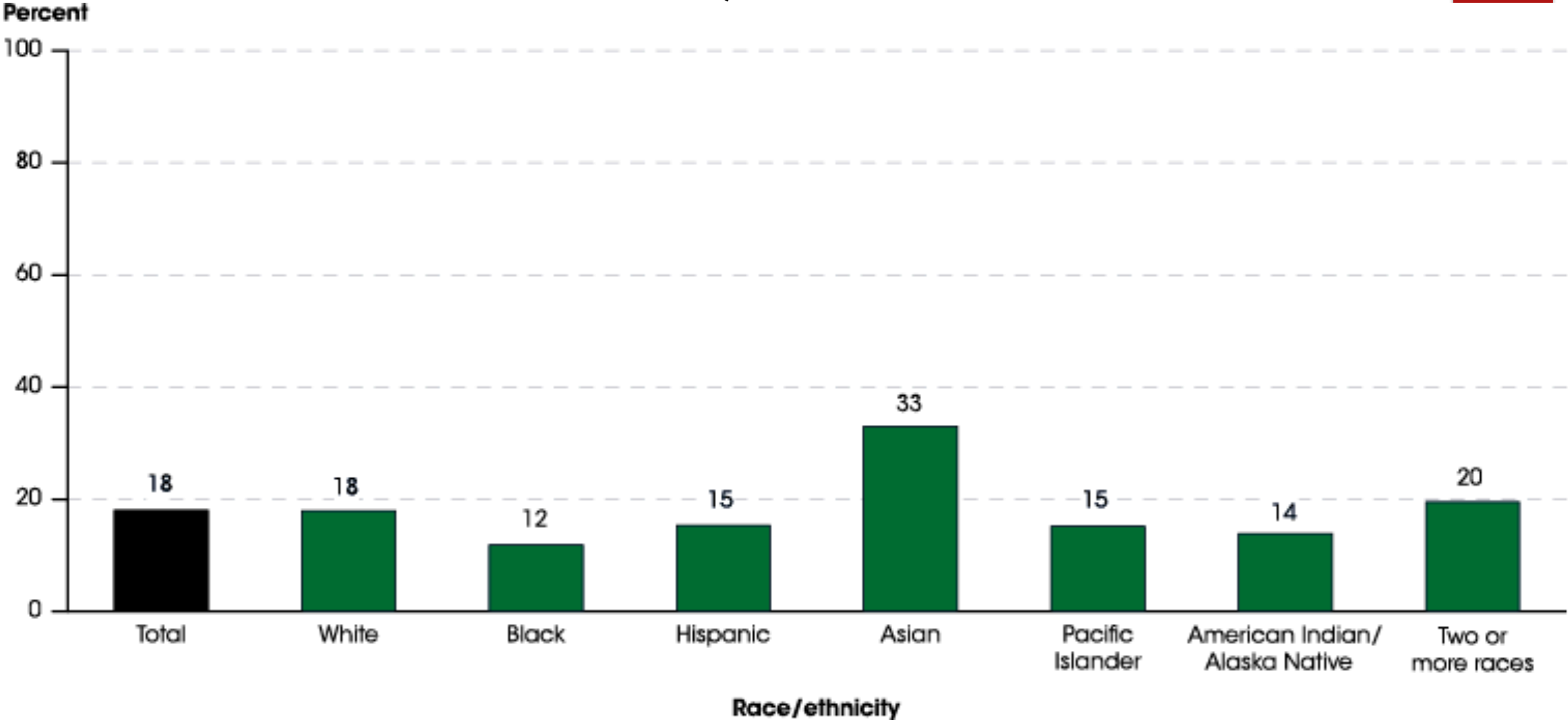




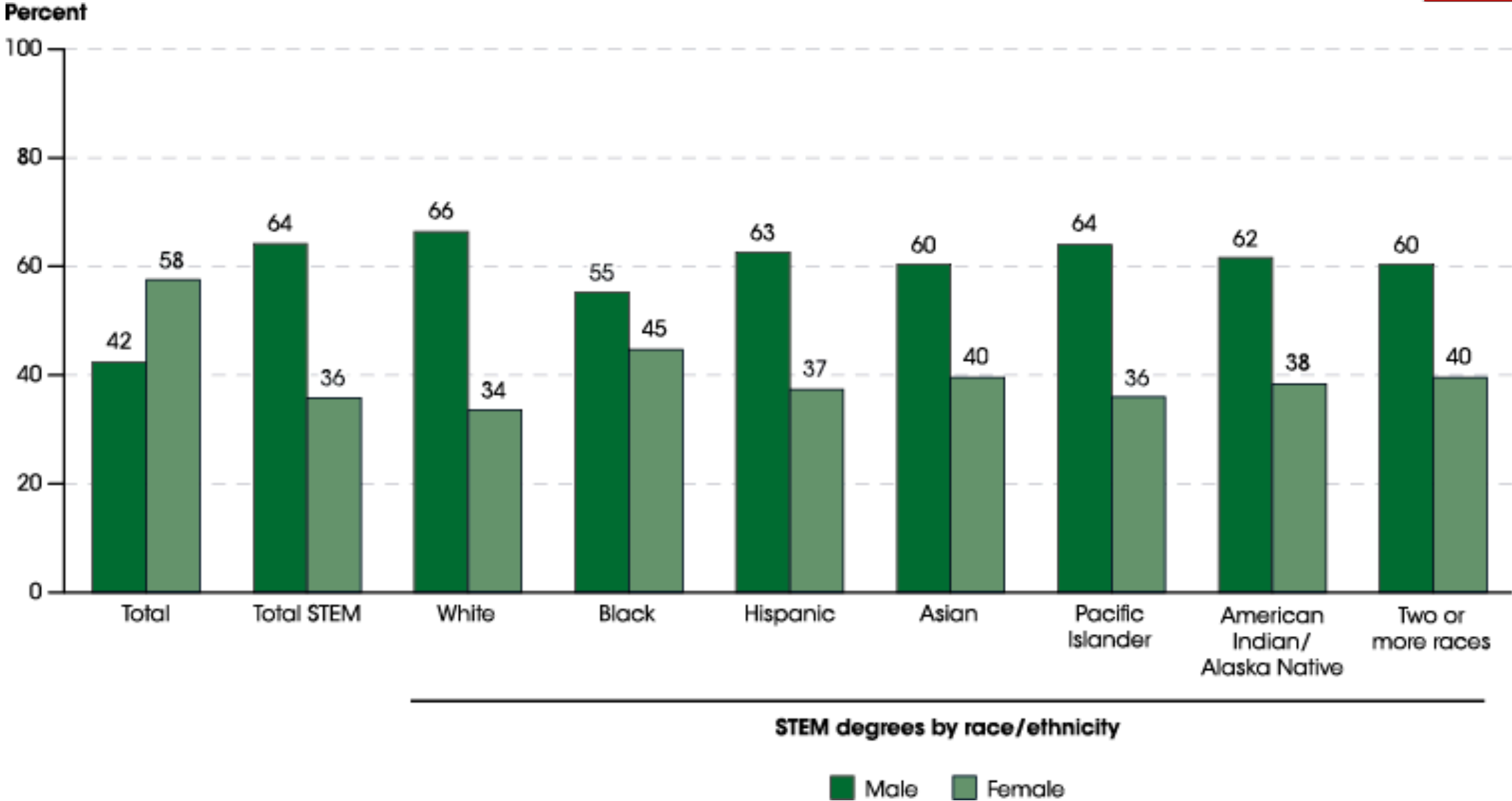
**OF THE 1.8 MILLION BACHELOR'S DEGREES
AWARDED IN 2015-2016, 18% (~331,000) WERE
IN STEM FIELDS**

Source: (NCES, 2019)

STEM BACHELOR'S DEGREES AS PROPORTION OF TOTAL BY RACE, 2015-2016



STEM BACHELOR'S DEGREES AS PROPORTION OF TOTAL BY RACE AND SEX, 2015-2016





Equity is not just parity in
Opportunity but Parity in
Outcome

Source: Equity Talk to Equity Walk (McNair, Bensimon, & Malcom-Piqueux)

Barriers to STEM Success

- ▶ Culturally irrelevant curricula
- ▶ Culturally unresponsive teaching practices
- ▶ Deficit-based vs. asset-based mindsets
- ▶ Microaggressions
- ▶ Stereotype threat and imposter syndrome
- ▶ Inequitable distribution of high-impact practices
- ▶ Ineffective efforts at recruiting diverse faculty

