



Co-requisite Approaches to Mathematics

Ohio Mathematics Initiative/Bridges to Success
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Department of
Higher Education

 OhioHigherEd.org



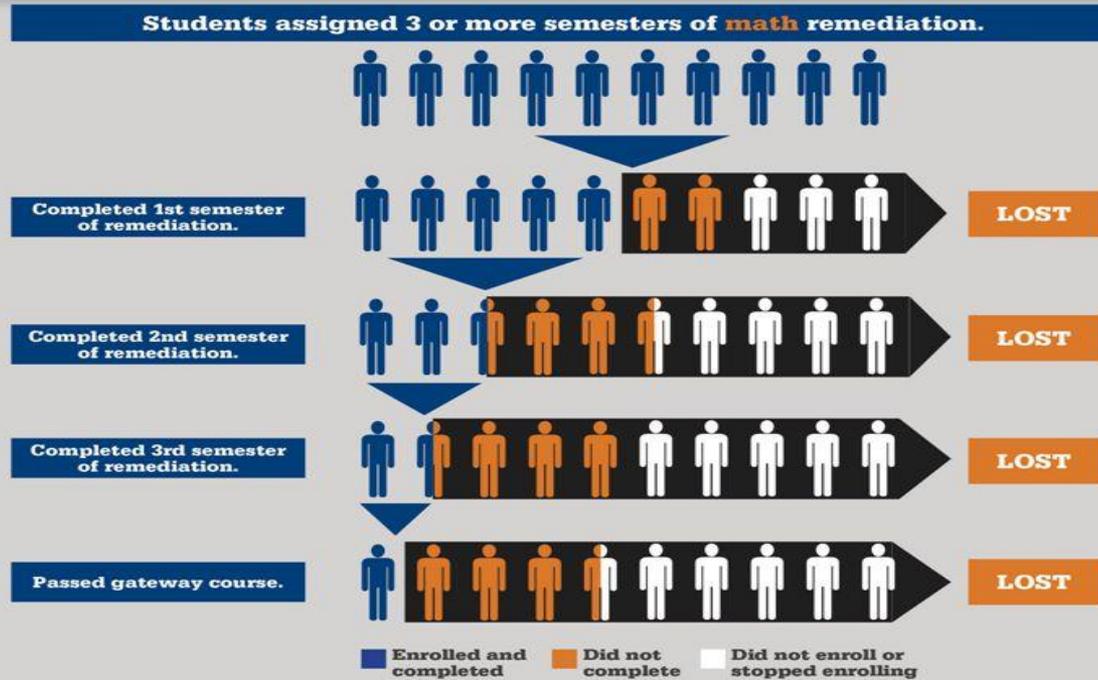


What is the challenge?

Too few students placed in current systems of remediation successfully complete gateway mathematics



Remediation: The effect of attrition.



KNOW THIS The remediation system is broken. More students quit than fail.

Source: Hughes, K., Edgecombe, N., & Snell, M. (2011). "Developmental Education: Why and How We Must Reform It." New York: Columbia University, Teachers College, Community College Research Center. Presentation given at the 2011 League for Innovation in the Community College Annual Conference.



For every 100 students in Ohio...

- At community colleges, 57 are placed in remedial math and of those students 46 do not complete gateway math
- At universities, 24 are placed in remedial math and of those students 15 do not complete gateway math



Corequisite Remediation

- Students enroll in entry level college-level courses while simultaneously participating in mandatory extended class periods or customized, just-in-time academic support.



Corequisite Remediation

- **Common Elements**
 - Acceleration
 - Support to pass linked gateway course
 - New methods of instructional delivery
 - Curricular reform
 - Enhanced advising



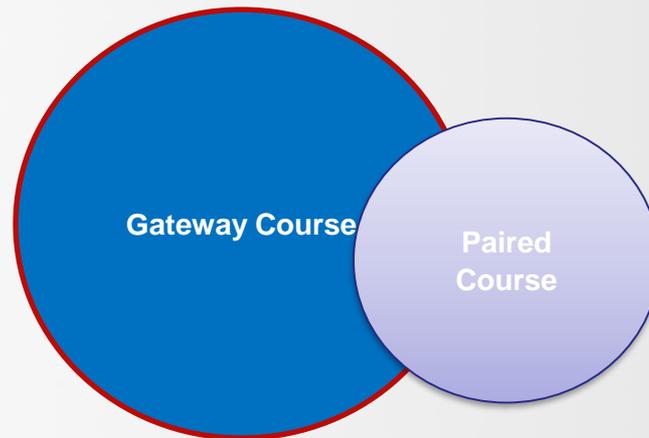
Multiple Models

- Paired course
- 101 Plus
- Technology-mediated



Paired Course Model

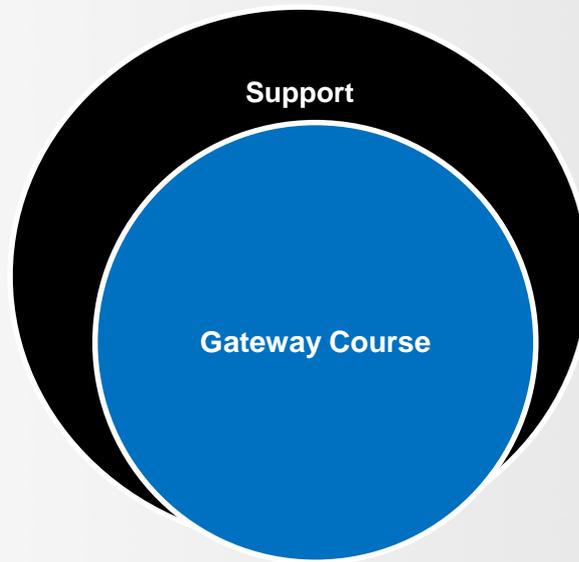
- Provides support skills in a separate course aligned to the learning objectives of the gateway course. The separate course is paired with the gateway course and delivered in the same semester.





101 Plus Model

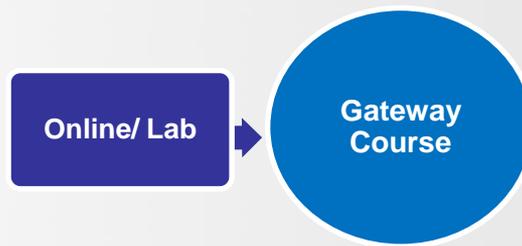
- Offers academic support as an extension of the gateway course





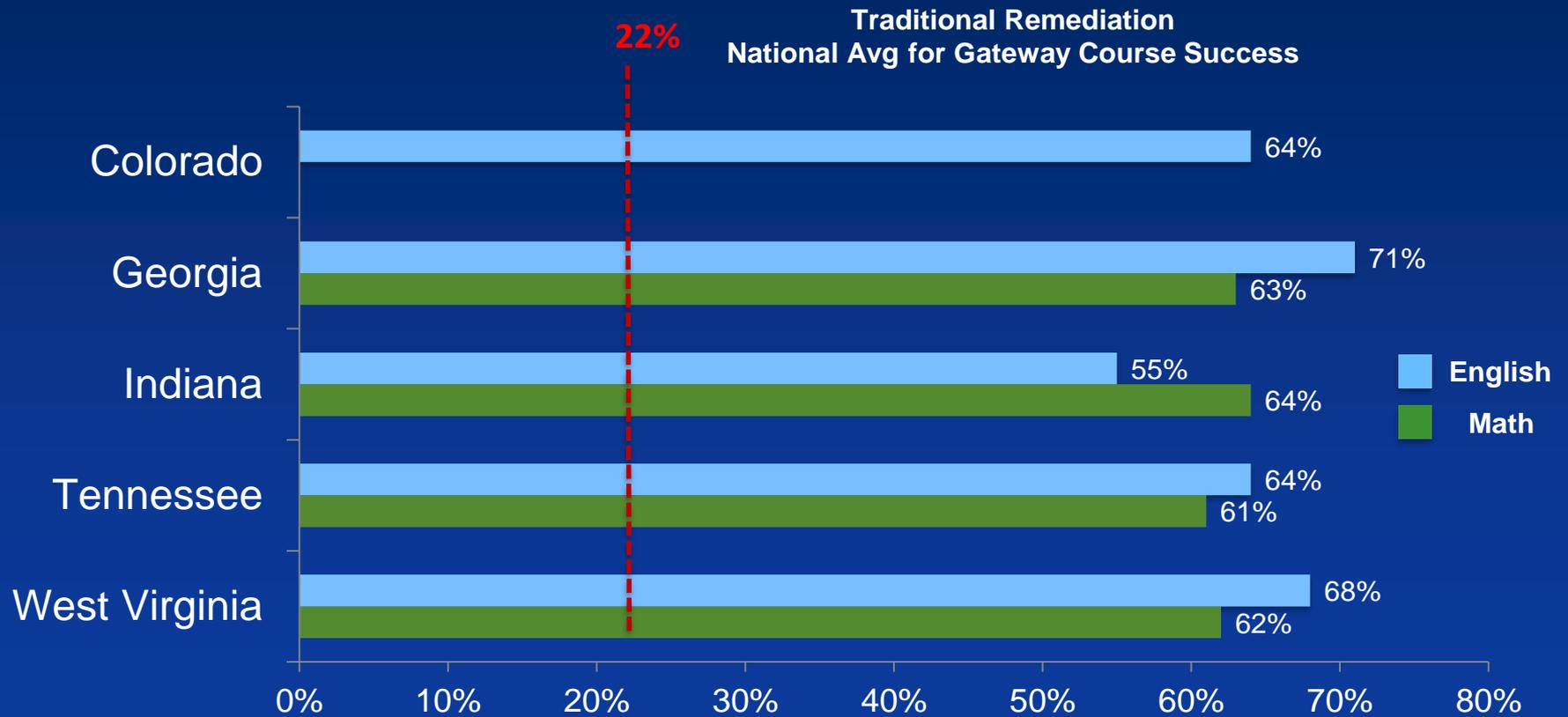
Technology-Mediated Model

- Requires students to complete online lab support.



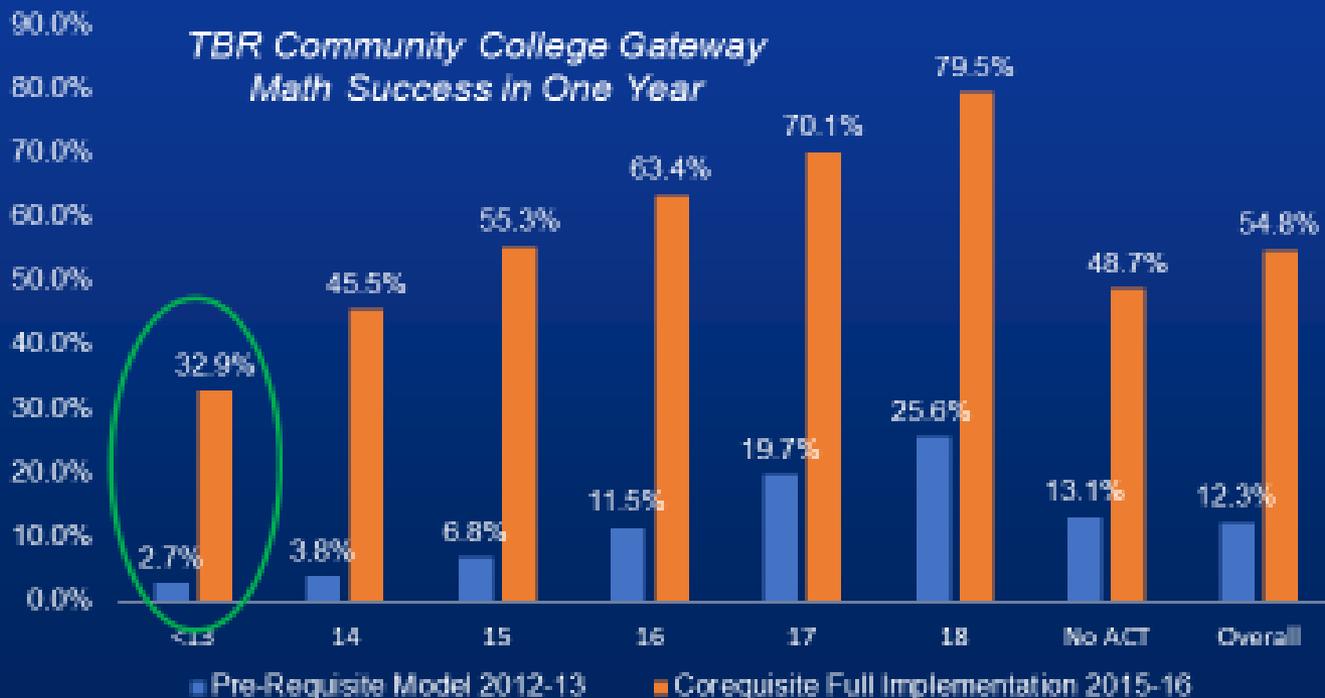


One Year Scaled Results



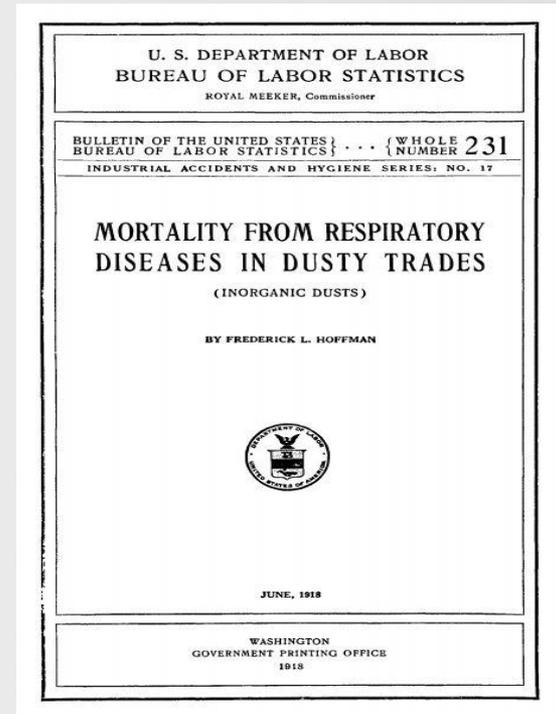


Corequisites Result in Dramatic Improvements In Gateway Course Success





Frederick Hoffman – Burden of Proof





Questions?
