

Joint Education Funding Committee

June 2, 2014



SLDS Technical Report

Issued January 31, 2014

Primary Topic: Remediation

Succeed 2020

- Increase ACT scores
- Reduce remediation
- On-time completion



Question 1

- Does Math remediation have an effect on success in the first semester of College Algebra?
- What factors affect math success – GPA and/or Math ACT?



Sample data

- North Dakota High School students (3,109) who graduated between 2008 and 2012 and have recorded a non-withdrawal grade in their first semester of College Algebra at all eleven institutions of the ND University System.



Characteristics of sample

- 2,523 non-remedial students and 586 students enrolled in remedial math
- 3.17 average core course GPA for non-remedial
- 2.65 average core course GPA for remedial
- 22.68 average ACT Math sub-score for non-remedial
- 18.12 average ACT Math sub-score for remedial

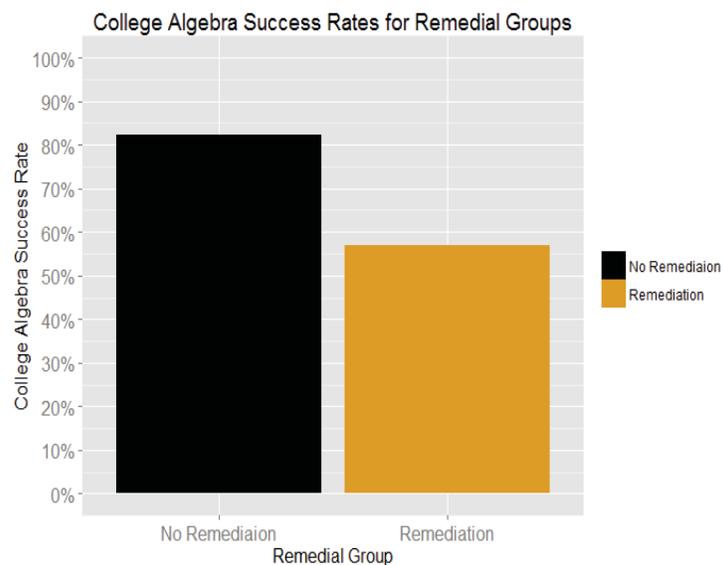


Core Courses

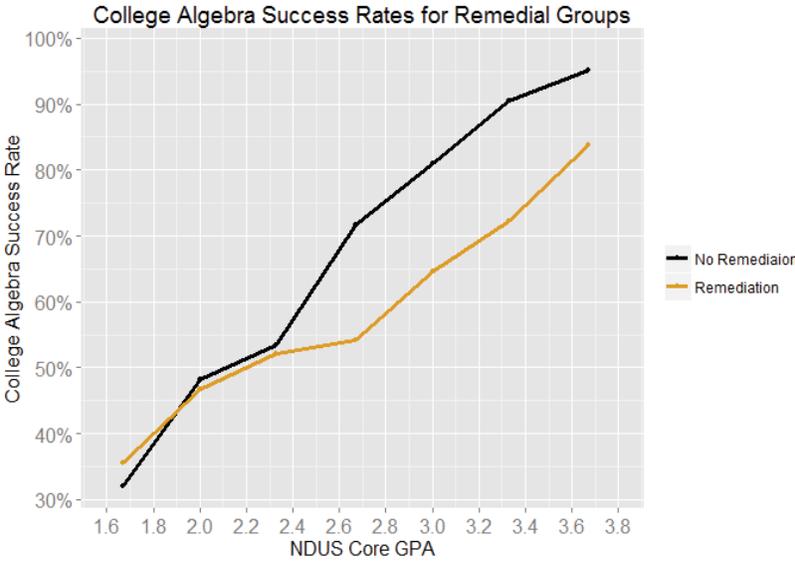
- 4 units of English
- 3 units of Math, Algebra I and above
- 3 units of Laboratory Science
- 3 units of Social Studies



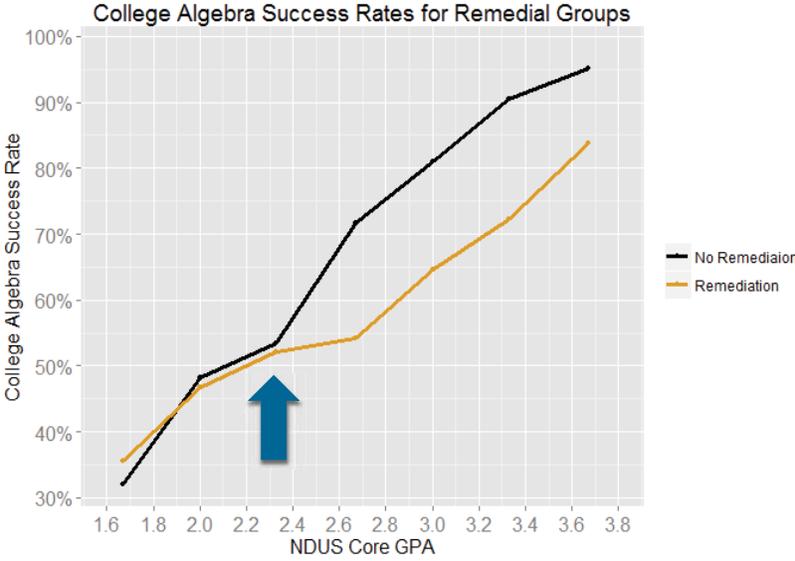
Success in College Algebra



Core GPA & Remediation



Core GPA & Remediation



Question 2

- Does English remediation have an effect in the first semester of English Composition I?
- What factors effect English success – GPA and/or ACT English sub-score?



Sample data

- North Dakota High School students (5,146) who graduated between 2008 and 2012 and have recorded a non-withdrawal grade in their first semester of English Composition I at all eleven institutions of the ND University System.

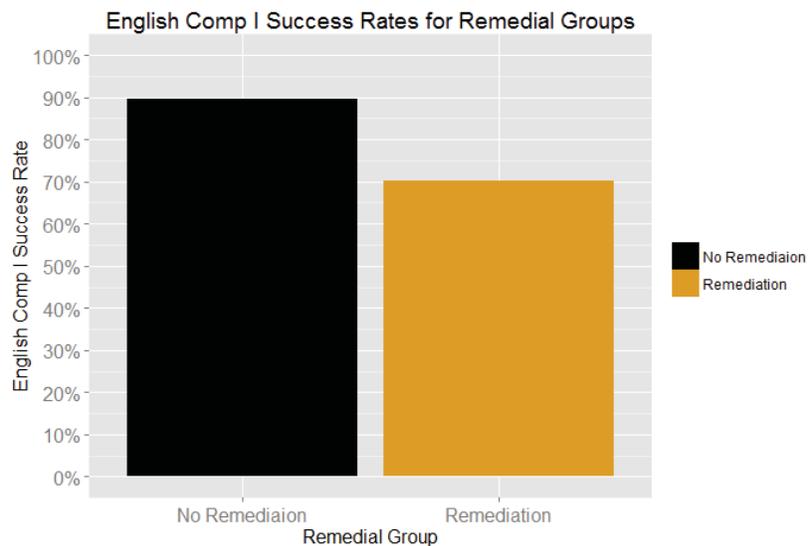


Characteristics of sample

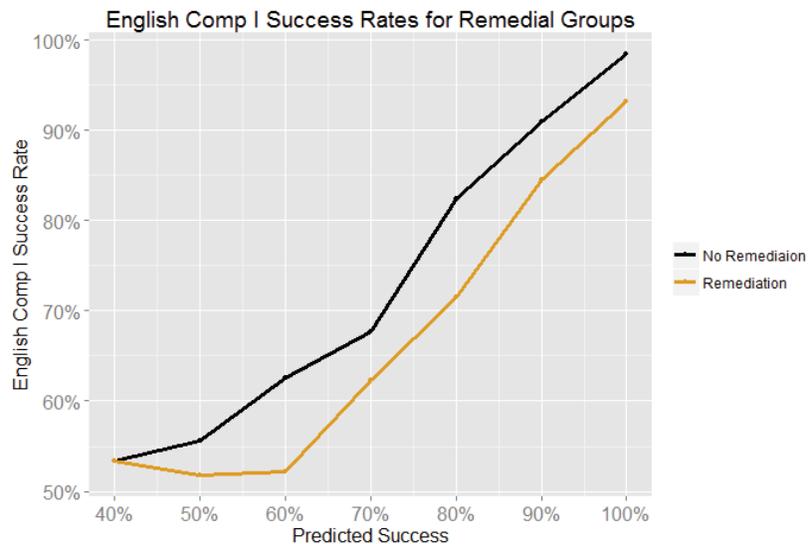
- 5,146 students included in the sample
- 3.075 average core course GPA for non-remedial
- 2.351 average core course GPA for remedial



Success in English Composition I



Success Rates for English Comp 1



Question 3

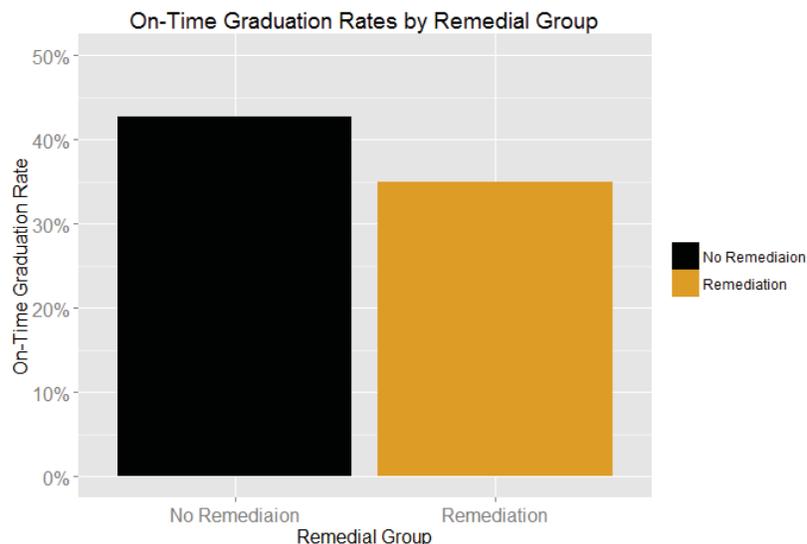
- What effect does taking remedial coursework have on on-time Associate Degree completion?

Sample data

- 2,039 students who graduated from a ND high school between 2008 and 2010 and were enrolled in an NDUS Community College in the fall semester immediately following their high school graduation.
- 699 of these students took some form of remedial coursework
- 1,340 did not take any remedial courses



On-Time Graduation Rates



On-Time Completion Results

- Since core GPA is a significant predictor of success, students were matched by GPA in both groups and further analysis was conducted.
- The analyst found there is no statistical difference between the Associate Degree completion rates of students who take remedial courses versus those who do not.



Thank You

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