Corequisite Reading – Systemwide Data Analysis

Corequisite Reading Academy
April 6, 2018
Chris Tingle
Presentation Outline

Learning Support Enrollment Trends

Corequisite Student Course Pass Rates

First-time Freshmen Corequisite Student Outcomes

Next Steps for Research
Learning Support Enrollment Trends

Report on trends in learning support enrollment and placement from the past five fall terms.

Identify the internal and external factors that have led to shifts in learning support placement and enrollment.
Learning Support (LS) Enrollment by Subject Area

<table>
<thead>
<tr>
<th></th>
<th>Fall 2013</th>
<th>Fall 2014</th>
<th>Fall 2015</th>
<th>Fall 2016</th>
<th>Fall 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any Learning Support</td>
<td>18,182</td>
<td>16,787</td>
<td>15,603</td>
<td>14,050</td>
<td>15,216</td>
</tr>
<tr>
<td>Math Learning Support</td>
<td>15,675</td>
<td>13,821</td>
<td>8,168</td>
<td>6,715</td>
<td>6,831</td>
</tr>
<tr>
<td>Writing Learning Support</td>
<td>7,087</td>
<td>6,912</td>
<td>7,375</td>
<td>6,841</td>
<td>7,567</td>
</tr>
<tr>
<td>Reading Learning Support</td>
<td>6,266</td>
<td>5,893</td>
<td>7,161</td>
<td>6,448</td>
<td>7,598</td>
</tr>
</tbody>
</table>
What impact did the Promise have on LS enrollment?

<table>
<thead>
<tr>
<th></th>
<th>Fall 2013</th>
<th>Fall 2014</th>
<th>Fall 2015</th>
<th>Fall 2016</th>
<th>Fall 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-time Freshmen (FTF)</td>
<td>18,139</td>
<td>18,216</td>
<td>22,732</td>
<td>21,305</td>
<td>21,620</td>
</tr>
</tbody>
</table>

First-time Freshmen LS Placement Rates by Subject Area

Note: First-time Freshmen (FTF) includes full-time and part-time as well as summer-returning-fall students.
Despite the Promise, why did LS math enrollment decline?

**SAILS Math Completers**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>410</td>
<td>5,625</td>
<td>9,967</td>
<td>13,040</td>
<td>12,694</td>
</tr>
</tbody>
</table>

**Fall LS Enrollment by Number of Subjects**

<table>
<thead>
<tr>
<th>Subject</th>
<th>2014 Fall</th>
<th>2015 Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 LS Subject</td>
<td>57%</td>
<td>58%</td>
</tr>
<tr>
<td>2 LS Subjects</td>
<td>27%</td>
<td>39%</td>
</tr>
<tr>
<td>3 LS Subjects</td>
<td>16%</td>
<td>3%</td>
</tr>
</tbody>
</table>
Why did LS placement and enrollment increase in fall 2017?

*Accuplacer and Compass test instances are combined for this analysis. The large majority of fall 2017 tests are Accuplacer. Prior to fall 2017, all tests are Compass.*
Why did LS placement and enrollment increase in fall 2017?

![Bar chart showing Adult First-time Freshmen Placed in Learning Support]

- **Math**: Fall 2016 - 66%, Fall 2017 - 85%
- **Writing**: Fall 2016 - 29%, Fall 2017 - 51%
- **Reading**: Fall 2016 - 22%, Fall 2017 - 38%
Corequisite Student Course Pass Rates

Focus on all community college corequisite students enrolled in fall terms, without comparisons to prerequisite or university students.

Identify gaps in college course pass rates for corequisite students from various subpopulations.

Display gaps in college course pass rates for corequisite students as compared to students enrolled in only college level coursework.

Provide first-term outcomes of corequisite students disaggregated by course results.
Corequisite Student College Level (CL) Course Pass Rates

Note: Pass Rate = Percent of students receiving a grade of A, B, C, D, passing, or satisfactory.
Coreq. Reading Student CL Pass Rates, by ACT Subscore

<table>
<thead>
<tr>
<th>Subscore</th>
<th>Fall 2015</th>
<th>Fall 2016</th>
<th>Fall 2017</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>58%</td>
<td>56%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>13%</td>
<td>12%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>63%</td>
<td>62%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>66%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
<td>70%</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>69%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other/No ACT</td>
<td>65%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>64%</td>
<td></td>
</tr>
</tbody>
</table>

Fall 2015 | Fall 2016 | Fall 2017 | Total
Coreq. Reading Student CL Pass Rates, by Subpop. (F17)

Fall 2017 Corequisite Pass Rate
64%

Note: Adult = Age 25 or Older. URM = Race/Ethnicities of Alaskan Native, Black, Hispanic, American Indian, Pacific Islander, and Multiracial.
Reading CL Pass Rates, by Placement and Subpop. (F17)

Note: Total all student pass rate for college level students includes only students enrolled in same college level courses as used for corequisite reading.
<table>
<thead>
<tr>
<th>College</th>
<th>Fall 2015</th>
<th>Fall 2016</th>
<th>Fall 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>ChSCC</td>
<td>ENGL 1010</td>
<td>ENGL 1010</td>
<td>ENGL 1010</td>
</tr>
<tr>
<td>CISCC</td>
<td>SPCH 1010, GEN 1010</td>
<td>ENGL 1010</td>
<td>ENGL 1010</td>
</tr>
<tr>
<td>CoSCC</td>
<td>ENGL 1010</td>
<td>ENGL 1010</td>
<td>ENGL 1010</td>
</tr>
<tr>
<td>DSCC</td>
<td>ORN 1010</td>
<td>ORN 1010</td>
<td>ORN 1010</td>
</tr>
<tr>
<td>JSCC</td>
<td>COL 1010</td>
<td>COL 1010</td>
<td>COL 1010</td>
</tr>
<tr>
<td>MSCC</td>
<td>MSCC 1300</td>
<td>MSCC 1300</td>
<td>MSCC 1300</td>
</tr>
<tr>
<td>NeSCC</td>
<td>EDUC 1030, SPCH 1010</td>
<td>EDUC 1030, SPCH 1010</td>
<td>EDUC 1030, SPCH 1010</td>
</tr>
<tr>
<td>PSCC</td>
<td>COLL 1500</td>
<td>COLL 1500</td>
<td>COLL 1500</td>
</tr>
<tr>
<td>RSCC</td>
<td>HUM 262</td>
<td>HUM 262, PSYC 1030</td>
<td>HUM 262, PSYC 1030</td>
</tr>
<tr>
<td>STCC</td>
<td>ACAD 1100, ENGL 1010, INFS 1010, PSYC 1030, SPCH 1010</td>
<td>ACAD 1100, SPCH 1010</td>
<td>ACAD 1100, SPCH 1010</td>
</tr>
<tr>
<td>VSCC</td>
<td>VSCC 1000</td>
<td>VSCC 1000</td>
<td>VSCC 1000</td>
</tr>
<tr>
<td>WSCC</td>
<td>SPCH 1010</td>
<td>SPCH 1010</td>
<td>SPCH 1010</td>
</tr>
</tbody>
</table>
Reading Student Pass Rates, by Course Enrolled (F17)

**College Level Course Enrolled Corequisite Students**
- Orientation: 9%
- Composition I: 17%
- Speech Fundamentals: 22%
- Other: 52%

**Enrolled Student Pass Rate by Reading Course**

- Orientation: 81% Corequisite Enrolled, 68% College Level Only
- Composition I: 79% Corequisite Enrolled, 56% College Level Only
- Speech Fundamentals: 79% Corequisite Enrolled, 66% College Level Only
- Other: 77% Corequisite Enrolled, 60% College Level Only
- Total All Courses: 79% Corequisite Enrolled, 64% College Level Only

*Note: In cases where a college uses multiple courses, the college’s students could be disaggregated into multiple categories.*
Corequisite Reading Student Outcomes, by Results (F17)

Corequisite Reading Student Outcomes by Course Results

- Percent Students: 58% Pass Both, 6% Pass CL Only, 8% Pass LS Only, 28% Fail Both
- Avg. ACT Reading: 15.3 Pass Both, 14.3 Pass CL Only, 15.0 Pass LS Only, 14.6 Fail Both
- Avg. Hours Attempt: 12.7 Pass Both, 12.9 Pass CL Only, 13.0 Pass LS Only, 12.8 Fail Both
- Avg. Hours Earn: 11.7 Pass Both, 6.6 Pass CL Only, 7.0 Pass LS Only, 0.9 Fail Both
- Earn/Attempt Ratio: 92% Pass Both, 51% Pass CL Only, 54% Pass LS Only, 7% Fail Both
- Avg. Term GPA: 2.8 Pass Both, 1.2 Pass CL Only, 1.3 Pass LS Only, 0.8 Fail Both
- Fall/Spring Retention Rate*: 91% Pass Both, 67% Pass CL Only, 69% Pass LS Only, 22% Fail Both

College Level Only Outcomes

- Percent CL Students: 79% Pass Both, 21% Fail Both
- Avg. ACT Reading: 22.3 Pass CL Only, 20.9 Fail CL
- Avg. Hours Attempt: 10.8 Pass CL Only, 12.4 Fail CL
- Avg. Hours Earn: 9.8 Pass CL Only, 2.8 Fail CL
- Earn/Attempt Ratio: 91% Pass CL Only, 22% Fail CL
- Avg. Term GPA: 3.1 Pass CL Only, 1.4 Fail CL
- Fall/Spring Retention Rate*: 85% Pass CL Only, 37% Fail CL

Note: Outcomes are based on combined hours and GPA (includes both college and learning support courses).
* Fall 2017-to-Spring 2018 retention rate is preliminary as it is based on spring 2018 census enrollment. Rate is defined in next section.
First-time Freshmen Corequisite Student Outcomes

Report first-time freshmen corequisite student outcomes in comparison to students enrolled in only college level coursework, as well as how corequisite student outcomes vary by subpopulation.

Metric 1: Fall-to-Spring Retention

Metric 2: Fall-to-Fall Retention

Subpopulations: Adult, Pell, Underrepresented Minority, and Part-time
FTF Fall-to-Spring (FS) Retention, by Placement

Note: Fall-to-Spring Retention = Student graduated at the end of the fall term or was enrolled the next spring. Both outcomes are inclusive of any community college.
Note: First-time Freshmen (FTF) includes full-time and part-time as well as summer-returning-fall students.
* Fall 2017-to-Spring 2018 retention rate is preliminary as it is based on spring 2018 census enrollment.
FTF Fall-to-Spring Retention, by Subpopulation (F17*)

**Fall-to-Spring Retention Any Corequisite**

- **Part-time**
  - Corequisite: 59%
  - No Corequisite: 73%
- **URM**
  - Corequisite: 69%
  - No Corequisite: 73%
- **Pell**
  - Corequisite: 71%
  - No Corequisite: 71%
- **Adult**
  - Corequisite: 72%
  - No Corequisite: 71%

**Fall-to-Spring Retention College Level Only**

- **Part-time**
  - Corequisite: 60%
  - No Corequisite: 82%
- **URM**
  - Corequisite: 76%
  - No Corequisite: 80%
- **Pell**
  - Corequisite: 78%
  - No Corequisite: 82%
- **Adult**
  - Corequisite: 72%
  - No Corequisite: 80%

Corequisite FS Rate: F17-S18
- 71%

College Level FS Rate: F17-S18
- 80%

**Note:** Adult = Age 25 or Older. URM = Race/Ethnicities of Alaskan Native, Black, Hispanic, American Indian, Pacific Islander, and Multiracial.

* Fall 2017-to-Spring 2018 retention rate is preliminary as it is based on spring 2018 census enrollment.
FTF Fall-to-Fall (FF) Retention, by Placement

Note: Fall-to-Fall Retention = Student graduated prior to the next fall or was enrolled the next fall. Both outcomes are inclusive of any community college.
FTF Fall-to-Fall Retention, by Subpopulation (F16)

### Fall-to-Fall Retention
#### Any Corequisite
- **Part-time**
  - Yes: 41%
  - No: 49%
- **URM**
  - Yes: 45%
  - No: 49%
- **Pell**
  - Yes: 46%
  - No: 51%
- **Adult**
  - Yes: 50%
  - No: 48%

### Fall-to-Fall Retention
#### College Level Only
- **Part-time**
  - Yes: 32%
  - No: 64%
- **URM**
  - Yes: 50%
  - No: 62%
- **Pell**
  - Yes: 59%
  - No: 60%
- **Adult**
  - Yes: 36%
  - No: 62%

**Corequisite FF Rate: F16-F17**
- 48%

**College Level FF Rate: F16-F17**
- 60%
Next Steps for Research

Expand outcomes analysis:

- Refine retained with good progress metric.
- Explore second course enrollment/completion patterns.
- Prepare 3-year graduation rate analysis for fall 2015.

Examine pros and cons of using ENGL 1010 for writing and reading.

Further explore and disaggregate Adult and Accuplacer findings.

Determine feasibility and validity of multivariate placement methodology.
Questions and Discussion

Chris Tingle
Special Assistant, Office of Policy and Strategy
chris.tingle@tbr.edu