NSSE 2017
Multi-Year Report
Slippery Rock University of Pennsylvania
About Your Multi-Year Report

For institutions participating in multiple NSSE administrations since 2013, the year of the last survey update, this report presents year-to-year results for Engagement Indicators (EIs), High-Impact Practices (HIPs), and key academic challenge items to illustrate patterns of change or stability. It also provides details such as number of respondents, standard deviation, and standard error so that statistical tests can be calculated.

For more information and recommendations for analyzing NSSE data over time, consult the *Multi-Year Data Analysis Guide* on the NSSE website.

nsse.indiana.edu/pdf/MYDAG.pdf

This report contains three main parts: (a) a page that provides a quick reference to important information about each year’s administration, (b) multi-year figures, and (c) detailed statistics. Key terms and features are illustrated below.

**Report sections**

- **Administration Summaries (p. 3)**  
  A summary of respondent counts, response rates, sampling errors, and administration details for each participation year.

- **Engagement Results by Theme (pp. 4-7)**  
  Results for ten EIs and selected individual survey items are displayed, organized under four broad themes. The Academic Challenge theme is represented by four EIs as well as several individual items. The three remaining engagement themes (Learning with Peers, Experiences with Faculty, and Campus Environment) are each represented by two EIs.

- **High-Impact Practices (pp. 8-9)**  
  Results for six HIPs are displayed. First-year student results indicate students who participated in a learning community, service-learning, and research with faculty, and who planned to do an internship or field experience, study abroad, and a culminating senior experience. Senior results indicate students who participated in all six.

- **Detailed Statistics (pp. 10-13)**  
  Displays detailed information for results including counts, standard errors, and confidence intervals (CIs) for each measure.

**Interpreting year-to-year results**

When examining year-to-year results, you may wonder whether observed differences signify meaningful change and whether a trend is indicated. Figures display CIs around each score showing the range of values that is estimated to contain the population score 95% of the time. Upper and lower CI bounds are also reported in the Detailed Statistics section.

**For further investigation**

The Report Builder—Institution Version, updated with current data in the fall, allows for multi-year analysis of Engagement Indicators and individual items. It also affords the analysis of results by subpopulation.
The precision of an institution’s population estimates can vary between administrations. An important early step in conducting a multi-year analysis is to review data quality. The values in the tables below were drawn from your Administration Summary reports.

### Response Details by Participation Year

<table>
<thead>
<tr>
<th>Year</th>
<th>First-year students</th>
<th>Seniors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Response rate&lt;sup&gt;a&lt;/sup&gt;</td>
<td>Sampling error&lt;sup&gt;b&lt;/sup&gt;</td>
</tr>
<tr>
<td>2013</td>
<td>26%</td>
<td>+/- 3.8%</td>
</tr>
<tr>
<td>2014</td>
<td>31%</td>
<td>+/- 3.9%</td>
</tr>
<tr>
<td>2015</td>
<td>33%</td>
<td>+/- 3.6%</td>
</tr>
<tr>
<td>2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Administration Details by Participation Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Recruitment method</th>
<th>Sample type</th>
<th>Incentives offered</th>
<th>Additional question sets</th>
<th>Report Sample identified&lt;sup&gt;d&lt;/sup&gt;</th>
<th>BCMS</th>
<th>FSSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>Email</td>
<td>Census</td>
<td>Yes</td>
<td>Academic Advising, Pennsylvania State System of Higher Education</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2014</td>
<td>Email</td>
<td>Census</td>
<td>Yes</td>
<td>Information Literacy, Pennsylvania State System of Higher Education</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2015</td>
<td>Email</td>
<td>Census</td>
<td>Yes</td>
<td>Academic Advising, FY Experiences / Sr Transitions</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2016</td>
<td>Email</td>
<td>Census</td>
<td>Yes</td>
<td></td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2017</td>
<td>Email</td>
<td>Census</td>
<td>Yes</td>
<td></td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Note: All of your institution's participation years since 2013 (the first year of the updated NSSE) are reported. Years in which your institution did not participate are blank.

<sup>a</sup> Response rates (number of respondents divided by sample size) are adjusted for ineligibility, nondeliverable addresses, and students who were unavailable during the survey administration.

<sup>b</sup> Sampling error gauges the precision of results based on a sample survey. It is an estimate (at the 95% confidence level) of how much survey item percentages for your respondents could differ from those of the entire population of students at your institution. While data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, such results should be interpreted more conservatively.

<sup>c</sup> Count used to calculate response rates and sampling errors for each Administration Summary report. Includes all census-administered and randomly sampled students, regardless of “Report Sample” designation.

<sup>d</sup> Starting in 2017, institutions had the option to flag a subset of students for exclusion from reports. Refer to your Administration Summary report(s).
Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. The Academic Challenge theme contains four EIs as well as several important individual items. See pages 10-12 for detailed statistics. For more information, including the items that make up each EI, refer to your Engagement Indicators report.

### Academic Challenge: First-year students

#### Higher-Order Learning

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>39.7</td>
<td>38.8</td>
<td>37.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Reflective & Integrative Learning

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tbody>
<tr>
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<td>36.0</td>
<td>34.9</td>
<td>35.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Learning Strategies

<table>
<thead>
<tr>
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<th>2014</th>
<th>2015</th>
<th>2016</th>
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<td>39.0</td>
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</tbody>
</table>

#### Quantitative Reasoning

<table>
<thead>
<tr>
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<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tr>
<td>Value</td>
<td>27.9</td>
<td>27.7</td>
<td>26.7</td>
<td></td>
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</tr>
</tbody>
</table>

### Academic Challenge (additional items): First-year students

#### Preparing for Class (hrs/wk)

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
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#### Course Reading (hrs/wk)

<table>
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<th>2015</th>
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<tbody>
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<td>6.0</td>
<td>6.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Assigned Writing (pages)

<table>
<thead>
<tr>
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<th>2014</th>
<th>2015</th>
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<tr>
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<td>42.9</td>
<td>42.9</td>
<td>38.0</td>
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#### Course Challenge

<table>
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#### Academic Emphasis

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<td>3.2</td>
<td>3.1</td>
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---

a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions. The Course Reading item changed in 2014; comparability between 2013 and later years is limited.

b. Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "Very much").

c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").
Academic Challenge: Seniors

Higher-Order Learning

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
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</table>

Reflective & Integrative Learning

<table>
<thead>
<tr>
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<th>2017</th>
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Learning Strategies

<table>
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<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
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<td></td>
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</table>

Quantitative Reasoning

<table>
<thead>
<tr>
<th>Year</th>
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<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tbody>
<tr>
<td>Rating</td>
<td>30.6</td>
<td>30.7</td>
<td>29.9</td>
<td></td>
<td></td>
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</table>

Academic Challenge (additional items): Seniors

Preparing for Class (hrs/wk)

<table>
<thead>
<tr>
<th>Year</th>
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<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
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<tbody>
<tr>
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Course Reading (hrs/wk)

<table>
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<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>6.4</td>
<td>6.3</td>
<td>6.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assigned Writing (pages)

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
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<td>68.0</td>
<td>72.6</td>
<td>66.2</td>
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Course Challenge

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>5.8</td>
<td>5.7</td>
<td>5.5</td>
<td></td>
<td></td>
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</tbody>
</table>

Academic Emphasis

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>3.2</td>
<td>3.2</td>
<td>3.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions. The Course Reading item changed in 2014; comparability between 2013 and later years is limited.
b. Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "Very much").
c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").
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<table>
<thead>
<tr>
<th>Learning with Peers: Seniors</th>
<th>Experiences with Faculty: Seniors</th>
<th>Effective Teaching Practices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collaborative Learning</td>
<td>Discussions with Diverse Others</td>
<td>Student-Faculty Interaction</td>
</tr>
<tr>
<td>Quality of Interactions</td>
<td>Supportive Environment</td>
<td>Effective Teaching Practices</td>
</tr>
<tr>
<td>Engagement Indicators</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Engagement Results by Theme

Slippery Rock University of Pennsylvania

**Learning with Peers: Seniors**

<table>
<thead>
<tr>
<th>Collaborative Learning</th>
<th>Discussions with Diverse Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013: 34.3</td>
<td>2013: 40.0</td>
</tr>
<tr>
<td>2014: 36.6</td>
<td>2014: 39.8</td>
</tr>
<tr>
<td>2015: 37.0</td>
<td>2015: 39.2</td>
</tr>
<tr>
<td>2016:</td>
<td>2016:</td>
</tr>
<tr>
<td>2017:</td>
<td>2017:</td>
</tr>
</tbody>
</table>

**Campus Environment: Seniors**

<table>
<thead>
<tr>
<th>Quality of Interactions</th>
<th>Supportive Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013: 44.1</td>
<td>2013: 36.4</td>
</tr>
<tr>
<td>2014: 43.9</td>
<td>2014: 34.3</td>
</tr>
<tr>
<td>2015: 42.6</td>
<td>2015: 35.1</td>
</tr>
<tr>
<td>2016:</td>
<td>2016:</td>
</tr>
<tr>
<td>2017:</td>
<td>2017:</td>
</tr>
</tbody>
</table>

**Experiences with Faculty: Seniors**

<table>
<thead>
<tr>
<th>Student-Faculty Interaction</th>
<th>Effective Teaching Practices</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013: 28.2</td>
<td>2013: 42.8</td>
</tr>
<tr>
<td>2014: 30.3</td>
<td>2014: 41.8</td>
</tr>
<tr>
<td>2015: 29.5</td>
<td>2015: 41.0</td>
</tr>
<tr>
<td>2016:</td>
<td>2016:</td>
</tr>
<tr>
<td>2017:</td>
<td>2017:</td>
</tr>
</tbody>
</table>
Due to their positive associations with student learning and retention, special undergraduate opportunities are designated “high-impact.” The figures below display first-year students’ participation, or intent to participate, in High-Impact Practices (HIPs) by year. See page 13 for detailed statistics. For more information, refer to your High-Impact Practices report.

**High-Impact Practices: First-year students**

- **Learning Community** (Done or in progress)
- **Service-Learning** (Some, most, or all courses)
- **Research with Faculty** (Done or in progress)
- **Internship/Field Experience** (Plan to do)
- **Study Abroad** (Plan to do)
- **Culminating Senior Experience** (Plan to do)

**Overall first-year HIP participation**

The figure below displays the percentages of first-year students who participated in one, and two or more, HIPs. The figure is limited to participation in a learning community, service-learning, and research with faculty.
Due to their positive associations with student learning and retention, special undergraduate opportunities are designated “high-impact.” Participation in High-Impact Practices (HIPs) by year is displayed in the figures below. See page 13 for detailed statistics. For more information, refer to your High-Impact Practices report.

High-Impact Practices: Seniors

**Learning Community**
(Done or in progress)

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>42%</td>
<td>33%</td>
<td>29%</td>
<td>25%</td>
<td>20%</td>
</tr>
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</table>

**Internship/Field Experience**
(Done or in progress)

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tbody>
<tr>
<td>100%</td>
<td>49%</td>
<td>53%</td>
<td>47%</td>
<td>38%</td>
<td>33%</td>
</tr>
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</table>

**Service-Learning**
(Some, most, or all courses)

<table>
<thead>
<tr>
<th>Year</th>
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<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tr>
<td>100%</td>
<td>75%</td>
<td>71%</td>
<td>72%</td>
<td>71%</td>
<td>71%</td>
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</table>

**Study Abroad**
(Done or in progress)

<table>
<thead>
<tr>
<th>Year</th>
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<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tbody>
<tr>
<td>100%</td>
<td>25%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
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</table>

**Research with Faculty**
(Done or in progress)

<table>
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<th>2014</th>
<th>2015</th>
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<tr>
<td>100%</td>
<td>20%</td>
<td>21%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
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</tbody>
</table>

**Culminating Senior Experience**
(Done or in progress)

<table>
<thead>
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<th>2015</th>
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<th>2017</th>
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<tr>
<td>100%</td>
<td>52%</td>
<td>53%</td>
<td>52%</td>
<td>52%</td>
<td>52%</td>
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</tbody>
</table>

Overall senior HIP participation
The figure below displays the percentages of seniors who participated in one, and two or more, HIPs. The figure includes all six HIPs.
### Academic Challenge

#### Higher-Order Learning

<table>
<thead>
<tr>
<th>Year</th>
<th>Mean</th>
<th>SD</th>
<th>SE</th>
<th>CI upper bound</th>
<th>CI lower bound</th>
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<td>13.6</td>
<td>.67</td>
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<td>37.4</td>
</tr>
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<td>2015</td>
<td>37.3</td>
<td>12.5</td>
<td>.58</td>
<td></td>
<td></td>
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<tr>
<td>2016</td>
<td>42.3</td>
<td>12.9</td>
<td>.57</td>
<td>43.4</td>
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<td>2017</td>
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<td>13.4</td>
<td>.61</td>
<td>43.6</td>
<td>41.3</td>
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### Academic Challenge (additional items)

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### Notes

- **n**: Number of respondents; **SD**: Standard deviation; **SE**: Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).
## NSSE 2017 Multi-Year Report

### Detailed Statistics: Engagement Indicators and Additional Items

#### Slippery Rock University of Pennsylvania

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Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).
### Experiences with Faculty

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### NSSE 2017 Multi-Year Report

**Detailed Statistics: High-Impact Practices**

**Slippery Rock University of Pennsylvania**

#### Overall HIP Participation

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Notes: n = Number of respondents; SE = Standard error of the proportion \( \sqrt{ \frac{ p \times (1 - p)}{ (n - 1)} } \) where p is the proportion; upper and lower bounds represent the 95% confidence interval \( p \pm 1.96 \times SE \).

a. Results are the percentage who had done the activity.

b. First-year results are limited to participation in a Learning Community, Service-Learning, and Research with Faculty; senior results include all six HIPs.

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#### NSSE 2017 Multi-Year Report

**Detailed Statistics: High-Impact Practices**

**Slippery Rock University of Pennsylvania**

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