Using NSSE and CLA in Concert

CIC/CLA Consortium
Summer Meeting
August 3, 2009

Agenda
- Opening discussion/foundations
- NSSE+CLA administration options
- Using NSSE+CLA data
- Closing discussion

Opening Discussion
1. How familiar are you with NSSE?
2. What are the benefits and opportunities created by combining NSSE and CLA data?
3. What obstacles stand in the way?
4. What are you hoping to learn from this session?

What Do We Need to Know?
- What constitutes quality in undergraduate education?
- How might we measure quality?
- What types of evidence of quality would be helpful in guiding improvement efforts?

Foundations of Student Engagement
- Quality of effort (Pace)
- Student involvement (Astin)
- Social and academic integration (Tinto)
- Good practices in undergraduate education (Chickering & Gamson)
- Learning and development model (Pascarella)

“All learning and development requires an investment of time and effort by the student.”

Path Model for Assessing Change in Student Learning (Pascarella)

Key Challenges

1. How do we interpret the relationship between engagement scores and measured learning outcomes?

2. How do we use these in our work?

Design Goal

- Maximize matching of CLA and NSSE results at the student level
- Affords appropriate analyses of the relationship between CLA performance and student engagement

NSSE-CLA Data Collection Timeline

Two NSSE Administration Options

- **Standard Administration**
  - For institutions planning to administer NSSE in 2010

- **Local Administration**
  - For 2007, 2008 or 2009 NSSE participants not participating in 2010

NSSE Administration Options

<table>
<thead>
<tr>
<th>Standard NSSE Administration</th>
<th>Local NSSE Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-year</td>
<td>First-year</td>
</tr>
<tr>
<td>CLA administered first (fall)</td>
<td>CLA administered first (fall)</td>
</tr>
<tr>
<td>Participants identified by institution and included in spring NSSE sample (oversample may be necessary).</td>
<td>Participants identified for local NSSE administration (paper) in spring</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Senior</td>
<td>Senior</td>
</tr>
<tr>
<td>NSSE administered first (spring)</td>
<td>NSSE administered first (spring)</td>
</tr>
<tr>
<td>NSSE respondents identified by institution using NSSE interface and invited for CLA.</td>
<td>Local NSSE administration (paper) in spring as part of CLA administration</td>
</tr>
</tbody>
</table>
Standard NSSE Administration: Details

Sample Sizes (FY+Sr) and Fees

<table>
<thead>
<tr>
<th>Undergrad Enrollment</th>
<th>Paper Sample Size</th>
<th>Web+ Sample Size</th>
<th>Web-only Sample Size</th>
<th>Sampling Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 4,000</td>
<td>450</td>
<td>1,800</td>
<td>Census</td>
<td>$3,375</td>
</tr>
<tr>
<td>4,000-7,999</td>
<td>600</td>
<td>2,400</td>
<td>Census</td>
<td>$4,500</td>
</tr>
<tr>
<td>8,000-12,000</td>
<td>800</td>
<td>3,200</td>
<td>Census</td>
<td>$6,000</td>
</tr>
<tr>
<td>&gt; 12,000</td>
<td>1,000</td>
<td>4,000</td>
<td>Census</td>
<td>$7,500</td>
</tr>
</tbody>
</table>

Oversampling Fees (per student):
- Web-only: $1.50
- Paper (NSSE-administered): $7.50
- Paper (institution-administered): $2.00

Standard Administration: Special Considerations

- Identify first-year CLA participants for inclusion in NSSE sample (oversample fee may apply)
- Monitor senior NSSE administration (using NSSE Web tool) to identify CLA invitees
- Promotion is vital: invitation does not ensure participation

Local NSSE Administration: Details

- Institution administers paper survey
- Surveys returned to NSSE for scanning and data file preparation
- Participation fee of $500
- $3.00 per survey shipped (nonrefundable)

Local Administration: Special Considerations

- Handle all logistics for survey administration
- Follow administration protocol for survey invitation and administration, in accordance with IRB requirements
- Implement special procedures to enter student IDs on NSSE surveys, to enable linking with CLA results

BCSSE Option

- Administer the Beginning College Survey of Student Engagement as a census during orientation or before classes start
- Assess precollege engagement
- Assess expectations for engagement during college
- Link to first-year CLA and NSSE results
- For information and registration information, go to www.bcsse.iub.edu

Making Sense of Results

- Now that you have NSSE data matched with CLA data, what do you do with it?
Sample Assessment Topics: First-Year Students
- Examine the relationship between baseline CLA performance and first-year engagement
- Are CLA high performers predisposed to high engagement?
- Identify students with performance/engagement mismatch:

<table>
<thead>
<tr>
<th>High CLA</th>
<th>Low CLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Engagement</td>
<td>Low Engagement</td>
</tr>
</tbody>
</table>

Sample Study Topics: Seniors
- Examine the relationship between student activities & experiences and CLA performance
- Do students with high levels of senior-year engagement perform better on CLA tasks?
- What is the relationship between CLA performance and involvement in capstone experiences, research with faculty, etc.?

Sample Study Topics: Seniors (continued)
- Adjusting for precollege achievement scores (SAT/ACT), do seniors who have engaged in deeper ways of learning (analysis, synthesis, integration, reflection) score better on CLA tests?
- Do students learn more when they write more?

Sample Study Topics: First-Year Students w/ BCSSE
- Examine the relationship between precollege attributes and first-year engagement
- Do students who were highly engaged in high school perform better on CLA tasks?
- Do students with high expectations for engagement in college perform better on CLA tasks?

What about other data?
- Course records
- Writing portfolio assessments
- Transfer students
- Learning communities
- Other student subpopulations

Contact Us
www.nsse.iub.edu
812-856-5824
nsse@iub.edu

Bob Gonyea
gonyea@indiana.edu
### CIC-CLA Consortium: Using NSSE and CLA in Concert

Options for Combining CLA and NSSE Administrations to Maximize Overlap at the Student Level

<table>
<thead>
<tr>
<th>NSSE administration type</th>
<th>Institutions already planning to participate in NSSE 2009</th>
<th>Recent NSSE participants (2006, 2007, or 2008) not planning a regular NSSE administration in 2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>Web (recommended to maximize NSSE sample); Web+ or Paper are also possible</td>
<td>Paper</td>
</tr>
<tr>
<td>Administration process for entering students (optional)</td>
<td>Administer BCSSE before first day of classes.</td>
<td>Administer BCSSE before first day of classes.</td>
</tr>
<tr>
<td>Administration process for first-year students</td>
<td>CLA administered first (fall). Participants identified by institution and included in spring NSSE sample (oversample may be necessary).</td>
<td>CLA administered first (fall). Participants identified for local NSSE administration in spring.</td>
</tr>
<tr>
<td>Administration process for seniors</td>
<td>NSSE administered first (spring). NSSE respondents identified by institution using NSSE interface and invited for CLA.</td>
<td>Local NSSE administration (paper) in spring as part of CLA administration.</td>
</tr>
</tbody>
</table>

For information on costs, sample sizes, and other details, refer to the NSSE and BCSSE Web sites.

Beginning College Survey of Student Engagement: www.bcsse.iub.edu
National Survey of Student Engagement: www.nsse.iub.edu