

CENTRAL OREGON COMMUNITY COLLEGE
Outcome Assessment Analysis
Executive Summary: HESI-Practical Nurse

Theme: *Workforce Development*
Program Area: *Nursing*

Outcome(s)		
<p>Theme-Level Outcome:</p> <ol style="list-style-type: none"> 1. <i>Perform as a team member exemplifying professional practices and behavior.</i> 2. <i>Apply critical thinking and problem-solving skills that reflect best practice.</i> 3. <i>Communicate effectively and appropriately within a professional setting in both written and oral form.</i> 4. <i>Demonstrate knowledge and apply skills essential to the discipline.</i> 5. <i>Practice safety within the professional setting.</i> 6. <i>Research, interpret, and apply data/information in the professional setting.</i> <p>Program-Level Outcome:</p> <ol style="list-style-type: none"> 1. <i>Provide patient-centered care based on established standards, and contribute to and participate in nursing care delivery.</i> 2. <i>Set priorities, organize and deliver nursing care to groups of patients.</i> 3. <i>Communicate effectively, therapeutically, and professionally with a diverse group of individuals.</i> 4. <i>Reinforce teaching plans or teach from established standards.</i> 5. <i>Provide holistic nursing care based on ethical/legal principles of healthcare within the scope of practice of the practical nurse.</i> 		
Assessment		
<p>Classification: Would you classify your assessment as direct or indirect? (<i>See reverse.</i>)</p>	<input checked="" type="checkbox"/> Direct	<input type="checkbox"/> Indirect
<p>Description: Briefly describe the methodology of your assessment. How did you set up and administer your assessment? How did you collect data? (e.g. Rubric, Exam, Skills Performance Checklist, Survey)</p> <p><i>Nursing students in our capstone course sit a standardized exam, called the HESI-PN by Elsevier, that highly predicts graduate success on the NCLEX-PN (national nursing board exam). The exam is given in NUR 108 as the final exam. Students receive a percentage grade. The exam costs \$56 dollars and is provided by the Nursing Program. Elsevier provides a thorough summary of student results from which nursing faculty perform a curricular analysis. Faculty have set a score of 850 as considered a success.</i></p> <p>Benchmark: Desired performance of Partially met = 80-84%, Fully met = 85-100% pass rate (≥ 850) on the HESI-PN by the cohort of students. This is in line with our program performance indicator of 90% on the NCLEX-PN national board exam.</p>		
Assessment Cohort Demographics		
<p>Number of course sections assessed: 1 / Number offered: 1 = 100% of courses assessed Number of students assessed: 45 / Number of students in all sections: 45 = 100% of students assessed</p>		

Results	Fully Met
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Reporting: What did you find? How many students or what percentage of students met, or did not meet the outcome(s)?

Benchmark was fully met. 40/45 scored $\geq 850 = 89\%$

Analysis

Overall summary of observations: What do the assessment results say about how well all students achieve the intended student learning outcomes? If the outcome(s) was not met, does your analysis of the assessment suggest possible reasons why?

- *89% were at or above the national standard of 850 on this computer-based HESI exam.*
- *The five students who did not meet the benchmark are the usual suspects.*
- *There is strong correlation between the results of the HESI and the nursing program unit exams.*

HESI Trended Summary Results

HESI Test	Test Number	Mean Score	% Passing
RN Class of 2014, Spring 2014, NUR 208	235615	887	56.25%
RN Class of 2014, Winter 2014, NUR 207	224864	900	70.83%
PN Class of 2015, Spring 2014, NUR 108	235614	955	93.18%
RN Class of 2013, Spring 2013, NUR 208	199436	909	76.08%
RN Class of 2013, Winter 2013, NUR 207	166331	960	80.00%
PN Class of 2014, Spring 2013, NUR 108	199224	938	88.89%
RN Class of 2012, Spring 2012, NUR 208	166331	960	78.26%
RN #1 Class of 2012, Winter 2012, NUR 207	157197	904	63.83%
PN Class of 2013, Spring 2012, NUR 108	165719	941	83.67%
RN #2 Class of 2011, Spring 2011, NUR 208	133790	943	81.25%
RN #1 Class of 2011, Winter 2011, NUR 207	124467	952	75.00%
PN Class of 2012, Spring 2011, NUR 108	133791	1013	95.35%
RN #2 Class of 2010, Spring 2010, NUR 208	060710	923	85.29%
RN #1 Class of 2010, Winter 2010, NUR 207	93907	918	82.76%
PN Class of 2011, Spring 2010, NUR 108	103291	946	80.00%
RN #2 Class of 2009, Spring 2009, NUR 208	75603	862	54.84%
RN #1 Class of 2009, Winter 2009, NUR 207	67771	895	78.95%
PN Class of 2010, Spring 2009, NUR 108			
RN #2 Class of 2008, Spring 2008, NUR 208	19070	888	66.67%
RN #1 Class of 2008, Winter 2008, NUR 207	10969	837	50.00%
PN Class of 2009, Spring 2008, NUR 108	10974	910	75.00%
RN #2 Class of 2007, Spring 2007, NUR 208	10607	925	71.88%
RN #1 Class of 2007, Winter 2007, NUR 207	10477	870	55.88%
PN Class of 2008, Spring 2007, NUR 108	10053	976	94.12%
RN #2 Class of 2006, Spring 2006, NUR 208	1224	960	90.32%
RN #1 Class of 2006, Winter 2006, NUR 207	10477	895	61.76%
PN Class of 2007, Spring 2006, NUR 108	10053	907	79.41%

Closing the Loop

Preliminary Recommendations: What does this project suggest is the next step? Run the assessment again and continue to collect data? Modify the assessment? Make changes to the curriculum?

- *We will continue to use HESI results as a means to compare our students to national results by program type.*
- *We will continue to evaluate topic areas for curriculum revision or strengthening*

Plans for reassessment following curriculum change: If changes are made to your course, how might you reassess for improvement?

- *We will continue to administer the HESI yearly and analyze the results.*
- *Any test question with institutional results 10% less than national results will be reviewed for content and/or curriculum changes.*

Are you satisfied with this assessment project? If so, why? If not, how might you modify it so that it might produce more meaningful data?

- *Yes, we obtain useful program data. Additionally, each student receives an individual exam breakdown of their performance for each category, standard and exam question.*

Direct vs. Indirect Assessment

Students demonstrate that they have learned specific skills or concepts through *direct assessment measures* like student products or performances. By contrast, *indirect assessment measures* are analyses of reported rates or perceptions that imply that student learning has taken place and that outcomes have been met.

Examples of Direct and Indirect Assessment from Texas A&M University's Office of Institutional Assessment:

Direct Assessment

- Pre and posttests
- Course-embedded assessment (e.g., homework assignment; essays, locally developed tests)
- Comprehensive exams
- National Major Field Achievement Tests
- Certification exams, licensure exams
- Portfolio evaluation
- Case studies
- Reflective journals
- Capstone projects
- Internal/external juried review of performances and exhibitions
- Internship and clinical evaluation
- External examiners/peer review
- Grading with criteria or rubrics

Indirect Assessment

- Departmental survey
- Exit interviews
- Alumni survey
- Employer survey
- Student survey
- Graduate survey
- Focus groups
- Job placement statistics
- Graduation and retention rates