

**Indiana University School of Medicine  
Health Professions Programs**

**2014 – 15 Assessment Report**

The Health Professions Programs include the *undergraduate* programs that reside within the School of Medicine. These include:

<u>Program</u>	<u>Degree Awarded</u>
Clinical Laboratory Science	B.S.
Cytotechnology	B.S.
Histotechnology	Cert., A.S.
Paramedic Science	A.S. <i>(not included in the 2015 report)</i>
Respiratory Therapy	B.S.
Radiologic Sciences	A.S., B.S.
Radiation Therapy	B.S.

Please note that in addition to the IUPUI PRAC report each Health Professions Program is required annually to submit a report of current status to their accrediting agency. Although they vary somewhat in format per specific program accreditation guidelines most reports must include an analysis and action plan for each of the following:

- Board exam results
- Employer surveys (cognitive, affective and psychomotor domains)
- Graduate surveys (cognitive, affective and psychomotor domains)
  
- Attrition/retention
  
- Job placement

Additionally, we asked each program to assess how satisfied their program was with student advising for their Health Professions Program. Results are below:

Very Satisfied	<u>100%</u>
Adequate	_____
Needs Improvement	_____
Not satisfied	_____

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**Assessment of the Health Professions Programs Goals**

**Goal 1:** To build upon sound principles of general education by preparing students to communicate effectively, exhibit quantitative skills, think critically, integrate and apply knowledge, exhibit intellectual depth and breadth, be intellectually adaptive, appreciate societal and cultural diversity, and apply ethical standards and values to professional practice.

<b>Goal / Principle</b>	<b>Program Competency</b>	<b>Teaching Strategy</b>	<b>Measures</b>	<b>Benchmarks</b>	<b>Met/Unmet</b>	<b>Actions Taken</b>
1. Communication and Quantitative Skills	Write effectively	Papers	Scores on papers			
	Comprehend, Interpret, and Analyze Text	Case Study reports and presentations	Feedback on reports			
	Demonstrate Effective oral Communication Skills		Feedback on presentations			
	Solve quantitative problems	Practical Exams		HPP will have at least 90% pass rate on completed clinical experiences	Met	None required
Use information resources and technology for personal and professional needs		Clinical Experiences	Ratings on clinical experiences			
		Laboratories	Student presentations at professional meetings	At least one HPP student will present or publish at Undergraduate Research Opportunities Program or at state or national level	Met	None required
			Student published papers			
			Employer surveys	For employer surveys, HPP will receive summative evaluation rating of at least 3 on a 5 point scale.	Met	None required

Goal / Principle	Program Competency	Teaching Strategies	Measures	Benchmarks	Met/Unmet	Actions Taken
2. Critical Thinking	Use knowledge to explore new questions from multiple perspectives	Class discussions	Feedback on class participation	HPP will have at least 90% pass rate on final clinical experience	Met	None required
	Solve challenging problems	Article critiques	Scores on critiques	HPP will have at least 95% pass rate on final practical exams	Met	None required
	Analyze complex issues, make informed decisions, evaluate decisions made	Practical Exams	Ratings on clinical experiences			
	Synthesize information to arrive at reasoned conclusions		Final Practical Exam Scores			
	Evaluate logic, validity, and relevance of information					
3. Use information and concepts from multiple disciplines in intellectual, professional and community lives	Enhance personal lives	Clinical experiences	Ratings on clinical experiences	HPP will have at least 90% pass rate on clinical exp.	Met	None required
	Meet academic and professional competencies	Capstone courses	Capstone course grades			
	Further goals of society	Summative Examinations	Comprehensive Exam Scores	Average score of program cohort will be at or above national mean on total and content scores	Met	None required
			Certification Examination Scores			None required
	Employer Surveys	Ratings on Employer Surveys	HPP will have average summative rating of at least 3 or greater (5 point scale)	Met		

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
4. Intellectual Depth, Breadth, and Adaptiveness	<p>Demonstrate substantial knowledge of at least one field of study</p> <p>Compare / contrast approaches to knowledge in different disciplines</p> <p>Modify approach to issue / problem based on contexts / requirements of situations</p>	<p>Clinical experiences</p> <p>Practical Exams</p> <p>Capstone Courses</p>	Ratings on clinical experiences	HPP will have at least 90% pass rate on clinical experiences	Met	None required
			Final Practical Exam Scores	HPP will have at least 95% pass rate on final practical exams	Met	None required
			Summative Exam Scores	HPP will have at least 90% pass rate on final exam rate	Met	None Required
			Certification Exam Scores	Average score of program cohort will be at or above national mean on certifying exams	Met	None required
			Student Job Placement	For HPP graduates seeking employment, at least 90% placed in jobs within 12 month of graduation	Met	None required
Employer Surveys	HPP will receive summative rating of at least 3 on a 5 point scale from employer evaluations	Met	None required			
5. Society and Culture	<p>Compare / contrast range of diversity and universality in human history</p> <p>Analyze and understand inter-connectedness of global and local concerns</p> <p>Operate with civility in a complex social world</p>	<p>Clinical experiences</p> <p>Problem-based learning exercises</p> <p>Expectations for professional behavior embedded in curriculum</p>	<p>Written papers</p> <p>Written exams</p> <p>Ratings on clinical experiences</p> <p>Graduate surveys</p> <p>Employer surveys</p>	All HPP students follow appropriate professional code of ethics.	Met	None required

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
6. Values and Ethics	Make formal and principled choices in conflicting situations / foresee consequences of choices  Recognize importance of aesthetics in personal lives and to society	Class discussions	Ratings on clinical experiences	HPP will have at least 90% pass rate on clinical experiences	Met	None required
		Case study reports	Employer surveys	HPP will receive summative rating of at least 3 or better on 5 point scale for employer evaluations	Met	None required
		Clinical experience	Critical incident reports			

**Goal #2:** To provide undergraduate degree programs that offer education related to the provision and management of health services by the various health professions.

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
1. To provide undergraduate degree programs	Complete certificate or degree programs  Obtain credentials required for practice	Capstone courses	Final Course Grades	HPP will have at least 90% graduation rate	Met	None required
		Clinical experiences	Comprehensive Exams	HPP will have at least 90% pass rate on clinical experiences	Met	None required
			Final Practical Exams	Average score of program cohort will be at or above national mean on certification exam	Met	None required

**Goal #3:** To contribute to the advancement of knowledge through research

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
1. Advance knowledge through research	Conduct literature review  Collect data  Analyze data  Present results  Conduct research	SOM provides opportunity to participate in research endeavors  IU provides opportunity to participate in research skill development	Peer reviewed articles	HPP faculty will complete or participate in at least four measures.	Met	None required
			Platform presentations			
			Poster presentations			
			Book chapters			
			Grants submitted			
			CD-ROM			
			Textbook			
Abstracts						
Other journal articles						

**Goal #4:** To provide continuing education for health professions practitioners wishing to further their career development

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
1. Provide continuing education for practicing professionals	Engage in life long learning	Provide programs that are approved by professional organization continuing education program	Number of CE units offered	HPP faculty will provide at least one program annually	Met	None required
	Engage in activities that promote career development	Provide programs that meet needs of practitioners		HPP faculty will provide at least 5 external lectures annually	Met	None required
				Participant evaluation ratings will be above average.	Met	None required

**Goal #5:** To foster the development of lifelong habits for scholarship and service among faculty and students.

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
1. Encourage life long habits of service among faculty	Participate in service activities at all levels of professional and/or community life	Seek / accept membership on committees  Seek / accept leadership roles	Performance indicator reports	At least 70 % of HPP faculty will participate in service / leadership activities	Met	None required
2. Encourage life long habits of service among students	Participate in service in profession or community	Pursue membership in professional Organizations	Student reports of service  Graduate surveys	At least 10 % of professional students will participate in service activities	Met	None required
3. Provide faculty with opportunity to participate in scholarly or creative activities	Participate in continuing education  Present academic instruction informed by current research and body of knowledge  Participate in scholarly or creative activity  Participate in patient education	SOM provides opportunity to participate in continuing education programs  SOM provides opportunity to participate in scholarly or creative activities	Performance indicator reports	At least 50% of HPP faculty will participate in scholarly activity	Met	None required
4. Provide students with opportunity to participate in scholarly or creative activities	Participate in scholarly or creative activity with HPP faculty	Capstone projects	Final course project	At least 50% of B.S. students in final year will be involved in scholarly or creative activity	Met	None required

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## Summary

Our Report should provide credible evidence that we are assessing our programs, that we have deliberate and ongoing processes in place for performing these assessments, and that we are using the results to guide improvements in our programs. Examples of the kinds of information that each program collects is detailed below:

- Findings from PUL or other learning outcomes data collected in the last year, with a particular emphasis on data that show significant changes from previous years or that reveal possible areas to target for improvement
- Any new student learning outcomes or assessment processes put in place during the last year
- Recent or proposed course or program changes to address areas of concern revealed by assessment results.

*For 2014 – 2015 The Clinical Laboratory Science Program (CLS) submitted the following update to their addendum to their 2013 - 14 PRAC Summary Report highlighting their new assessment strategy.*

*With increased emphasis on program outcomes and assessment by the National Accrediting Agency for Clinical Laboratory Science (NAACLS)—which is the body that accredits the CLS program—we have enhanced our course evaluation process. Although we have always solicited student evaluations of the course and the instructor, we did not have a formal review process in place. We have now implemented a system in which the course instructor reviews the students' evaluations and uses a form to document this review. The instructor lists significant issues noted by the students. Then, the instructor indicates any corrective action that will be taken to try to resolve/improve the issue. Then, the next time the course is offered and evaluated—which is the following year--, the instructor notes the outcomes of the changes made. This document is reviewed by the program director, who discusses the changes vs. outcomes with the instructor.*

*One additional evaluation that is now being done is actually the instructor's perspective on the course. The instructor notes how the time was utilized during the course and how students performed on exams, etc. The instructor indicates his/her satisfaction with course content and student performance and whether time allotted and the physical resources are adequate for optimal course delivery. The instructor also identifies any areas that present a challenge and suggests possible ways to improve. This instructor perspective document is presented to the whole CLS faculty for review at a faculty meeting.*

*Through formally documenting and reviewing student evaluations and instructor satisfaction with courses, the CLS program is identifying ways to improve the curriculum overall. We are very pleased with this system.*