Indiana University School of Medicine
Health Professions Programs

2016 – 17 Assessment Report

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

Program	Degree Awarded	
Clinical Laboratory Science	B.S.	
Cytotechnology	B.S.	
Histotechnology	Cert., A.S.	(*not included in the 2017 report*)
Paramedic Science	A.S.	(*not included in the 2017 report*)
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	___100%__
Adequate	_____
Needs Improvement	_____
Not satisfied	_____

Indiana University School of Medicine
Health Professions Programs

2016 – 17

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.

Goal / Principle	Program Competency	Teaching Strategy	Measures	Benchmarks	Met/Unmet	Actions Taken
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	Ratings on clinical experiences	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 Laboratories	Student presentations at professional meetings Student published papers	At least one HPP student will present or publish at Undergraduate Research Opportunities Program or at state or national level	Met	None required
			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 Examination s	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	Demonstrate substantial knowledge of at least one field of study	Clinical experiences	Ratings on clinical experiences	HPP will have at least 90% pass rate on clinical experiences	Met	None required
		Practical Exams	Final Practical Exam Scores			
	Compare / contrast approaches to knowledge in different disciplines	Capstone Courses	Summative Exam Scores	HPP will have at least 95% pass rate on final practical exams	Met	None required
	Modify approach to issue / problem based on contexts / requirements of situations		Certification Exam Scores	HPP will have at least 90% pass rate on final exam rate	Met	None Required
				Average score of program cohort will be at or above national mean on certifying exams	Met	None required
			Student Employment	For HPP graduates seeking employment, at least 90% placed in jobs within 12 month of graduation	Met	None required
			Ratings on 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	Compare / contrast range of diversity and universality in human history	Clinical experiences	Written papers	All HPP students follow appropriate professional code of ethics.	Met	None required
			Written exams			
		Problem-based learning exercises	Ratings on clinical experiences			
	Analyze and understand inter-connectedness of global and local concerns	Expectations for professional behavior embedded in curriculum	Graduate surveys			
			Employer surveys			
	Operate with civility in a complex social world					

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	Class discussions Case study reports Clinical experience	Ratings on clinical experiences Employer surveys Critical incident reports	HPP will have at least 90% pass rate on clinical experiences HPP will receive summative rating of at least 3 or better on 5 point scale for employer evaluations	Met Met	None required None required
	Recognize importance of aesthetics in personal lives and to society					

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 Clinical experiences	Final Course Grades Comprehensive Exams Final Practical Exams Certification Exam Scores	HPP will have at least 90% graduation rate HPP will have at least 90% pass rate on clinical experiences Average score of program cohort will be at or above national mean on certification exam	Met Met Met	None required None required 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 Platform presentations Poster presentations Book chapters Grants submitted CD-ROM Textbook Abstracts Other journal articles	HPP faculty will complete or participate in at least four measures.	Met	None required

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 Engage in activities that promote career development	Provide programs that are approved by professional organization continuing education program Provide programs that meet needs of practitioners	Number of CE units offered	HPP faculty will provide at least one program annually	Met	None required
				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

7/17 wnc

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.

Program notes from the HPP Clinical Laboratory Sciences Program

The CLS program faculty facilitate multiple assessments and use the information gathered from these assessments to make positive changes to the program. Below are some additional assessments we employ
- Student evaluations of each lecture and/or laboratory course
- Student evaluations of each clinical rotation experience
- Evaluations of student performance conducted by clinical preceptors
- Evaluations of clinical rotation design conducted by clinical preceptors
- Faculty evaluations of each lecture course, laboratory course, and clinical rotation which incorporates feedback from students and clinical preceptors
    - Faculty identify common threads in feedback from students and clinical preceptors and respond directly to these issues via a narrative that is reviewed by the program director(s).
    - Faculty compose a critical reflection of each of their courses and clinical rotations. These reflections are shared with and discussed by the entire IU & IU Health faculty during faculty meetings. The faculty in the meetings participate in brainstorming activities to develop ideas to improve each course while simultaneously learning educational methodologies that may improve their own courses.
- Graduate and employer surveys (conducted one year after graduation)
- Faculty are constantly making changes to each of their courses to update the curriculum and enhance student engagement/learning. In the 2015-2016 year, all changes to the curriculum and program were minor enough that a large scale review and redesign of the CLS was not necessary