

| Organizational Area | Summary Results | Include data collected in 2019-2020 - Action Plan Summary Results | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---------|---------------------------------|--|---------------------|---------------|-------------------------------|--|------------------|--------|---------|---------|------|---------|-----|---------|-----------|-------------|----------|---------|-------|-------|-------------|--------|---------------------|-------------|--|--|--|--|--|--|--------|--|--|--|-------------|--|--|--|-----------|--|--|--|-------|--|--|--|-----------------------|--|--|--|--|--|--|--|--------------------|--|--|--|--|
| Indiana University System AMS » Indiana University: Kokomo » Academic Affairs » School of Nursing Radiography | <p>Overall Statistics</p> <ul style="list-style-type: none"> • 100% (14/14) outcomes were included • 100% (14/14) of outcomes included have at least one measure specified • 100% (14/14) of outcomes included have measures with findings specified <table border="1" data-bbox="541 487 1541 906"> <thead> <tr> <th colspan="2">14 Total Measures (Includes measures that do not have findings)</th> <th colspan="2">14 Total Measures with Findings</th> </tr> <tr> <th>Measure Type/Method</th> <th>Measure Level</th> <th colspan="2">Acceptable Target Achievement</th> </tr> </thead> <tbody> <tr> <td>Student Artifact</td> <td>Course</td> <td>Not Met</td> <td>2 (14%)</td> </tr> <tr> <td>Exam</td> <td>Program</td> <td>Met</td> <td>7 (50%)</td> </tr> <tr> <td>Portfolio</td> <td>Institution</td> <td>Exceeded</td> <td>5 (36%)</td> </tr> <tr> <td>Other</td> <td>Other</td> <td>Unspecified</td> <td>0 (0%)</td> </tr> <tr> <td>Total Direct</td> <td>Unspecified</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Survey</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Focus Group</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Interview</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Indirect</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Unspecified</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | 14 Total Measures (Includes measures that do not have findings) | | 14 Total Measures with Findings | | Measure Type/Method | Measure Level | Acceptable Target Achievement | | Student Artifact | Course | Not Met | 2 (14%) | Exam | Program | Met | 7 (50%) | Portfolio | Institution | Exceeded | 5 (36%) | Other | Other | Unspecified | 0 (0%) | Total Direct | Unspecified | | | | | | | Survey | | | | Focus Group | | | | Interview | | | | Other | | | | Total Indirect | | | | | | | | Unspecified | | | | <p>0 Total Actions with Status Report</p> <p><i>No Status Reports have been specified</i></p> |
| 14 Total Measures (Includes measures that do not have findings) | | 14 Total Measures with Findings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Measure Type/Method | Measure Level | Acceptable Target Achievement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Student Artifact | Course | Not Met | 2 (14%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exam | Program | Met | 7 (50%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Portfolio | Institution | Exceeded | 5 (36%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other | Other | Unspecified | 0 (0%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Survey | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Focus Group | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interview | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Report : Assessment Cycle Details for : Radiography

Report Generated by Taskstream

Workspace : Academic Program Assessment and Planning Workspace

Assessment Plan: 2020-2021 Assessment Cycle: Assessment Plan and Assessment Findings

Assessment Plan Template : IU Kokomo Academic Assessment Template

Report Generated : Tuesday, July 20, 2021

Measures and Findings

2015-2020 Radiography SLOs

- ❖ **Goal 1: To provide the regional (north central Indiana) medical community with entry-level radiographers who display professionalism.**

1.1 A Students will demonstrate professional and ethical behaviors.

Component: 1.1 A. Program Decorum: Follows Program Policies and Procedures without incidence.

Mapped to:

- **Radiography Program Goals:**
Goal 1 To provide the regional (north central Indiana) medical community with entry-level radiographers who display professionalism

Measure

R182 & R290 Policy Submissions

DIRECT - STUDENT ARTIFACT

Details/Description:

In the Spring Semester, for courses R182 and R290, students will submit the following: Handbook P and P including TB, Drug Screen, Background and program physical completed by stated deadline.

Acceptable Target:

100% of students will submit the required documentation by the stated deadline in R182 and R290.

Implementation Plan (timeline):

Measured in the Spring Semester.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Clinical Coordinator

Supporting Attachments:

Findings

for R182 & R290 Policy Submissions

Summary of Findings:

Spring 2020:

R182: 91% (10/11) of the cohort completed their requirements by the stated deadline so as to be able to attend Clinical Education in the Summer of 2019. There was no discussion from the student as to why there was a delay in beginning the required procedures prior to the deadline.

R290: All students (12/12) completed their requirements by the stated deadline and

were able to complete Clinical Education in the Spring of 2019. All students returned markers prior to the end of Finals Week this year. All students submitted their dosimeter badge with their markers and were able to graduate without issues due to outstanding items per Program Policy.

Acceptable Target Achievement:

Not Met

Reflections/Notes:

Spring 2020:

AHLT-R182: Did not Meet Expectations

AHLT-R290: Did Meet Expectations

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

1.1 A Analysis/Action Plan

No Status Added to 1.1 A Analysis/Action Plan

Action details:

Spring 2020: We have decided to go back to CastleBranch and revisit the use of the Tracker since the academic unit is moving into the School of Nursing we thought we would try to come in alignment with their utilization of CastleBranch. This allowed the students to purchase their drug screen at a discounted rate. Due to COVID-19 restrictions by the clinical affiliates and university, we had time to work on ways to better this method of data collection. We are at the end of our assessment cycle and will revisit ways to assess this area better.

Implementation Plan

(timeline):

Implementation Fall 2020

Key/Responsible


Personnel:

Radiography Clinical Coordinator

Measures:

CastleBranch Trakcer

Supporting Attachments:

 Radiography Analysis
Action Plan Goal 1 (Word Document (Open XML))

1.1 B Students will demonstrate professional and ethical behaviors

1.1 B All students will score a minimum of 2.5/4 on question #9. Professional Ethics on their Student Semester Clinical Education Evaluation.

Mapped to:

- **Radiography Program Goals:**
Goal 1 To provide the regional (north central Indiana) medical community with entry-level radiographers who display professionalism

Measure

R182 & R290 End of Semester Evaluations

PROGRAM LEVEL; DIRECT - STUDENT ARTIFACT**Details/Description:**

Spring Semester, R 182, and R 290 End of Semester Evaluations, Question #9 regarding Professional Ethics.

Acceptable Target:

Minimum of 2.5/4 per student

Implementation Plan (timeline):

Measured in the Spring Semester.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Clinical Coordinator

Supporting Attachments:

Findings

for R182 & R290 End of Semester Evaluations

Summary of Findings:

Spring 2020:

R182: All students (11/11) received a score of at least 2.5/4 on question #9. Professional Ethics Student Semester Clinical Education Evaluation.

R290: All students (11/11) received higher than a minimum score of 2.5/4 on question #9. Professional Ethics Student Semester Clinical Education Evaluation.

Acceptable Target Achievement:

Met

Reflections/Notes:

Spring 2020:

AHLT-R182: Meets Expectations

AHLT-R290: Exceeded Expectations

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

1.1 B Analysis/Action Plan

No Status Added to 1.1 B Analysis/Action Plan

Action details:

Spring 2020: All students in R182 and R290 (23/23) received higher than a minimum 2.5/4 on question #9. Students were not able to finish out the last 6 weeks of Spring 2020 at the clinical site due to COVID-19 restrictions by the clinical affiliates and university. The evaluations received by the program for the students in R182 and R290 demonstrated the program met the expectations of this outcome, as the technologists were pleased with the levels of professional and ethical behaviors demonstrated by the students prior to Spring Break 2020. This was the last year of our assessment cycle for this outcome.

Implementation Plan

(timeline):

We are changing our measurements for Goal 1 beginning in Fall 2020. This tool will no longer be used. We will be utilizing an Ethics Quiz given in AHLT-R100 in the Fall Semester, as we believe the students need to demonstrate a comprehension of ethics required to work in the field. The data will be collected in December at the conclusion of the course.

Key/Responsible

Personnel:

Professor of Record

Measures:

All students will score a minimum of 75%.

Supporting Attachments:

1.2. Employer survey of graduates indicate they exhibit Ethical and Professional behavior.

Mapped to:

- **Radiography Program Goals:**
Goal 1 To provide the regional (north central Indiana) medical community with entry-level radiographers who display professionalism

Measure

Graduate Employer Survey Response for Ethical and Professional Behavior

PROGRAM LEVEL; DIRECT - OTHER

Details/Description:

Employer survey Question #3

Grad demonstrate ethical and professional behavior will reflect a minimum of 2.0/3.0 for ethical and professional behavior.

Acceptable Target:

All scores on returned employer survey will be a minimum of 2.0 / 3.0 on a Likert score system.

Implementation Plan (timeline):

Measured in Late Fall/Early Spring Semester.

Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Program Director

Supporting Attachments:

Findings

for Graduate Employer Survey Response for Ethical and Professional Behavior

Summary of Findings:

Fall 2019:

Ten of the twelve members of the Class of 2019 had employers return their surveys. The average score for this question was 2.78/3. We were pleased with the number of returned surveys and the results of the surveys.

Acceptable Target Achievement:

Exceeded

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

1.2 Analysis/Action Plan

No Status Added to 1.2 Analysis/Action Plan

Action details:

Fall 2019: The program had eleven members of the cohort of 2020 obtain employment, at least part time, with five of the cohort continuing with their education at IUK in the MIT program. We were very pleased with the return of surveys for this cohort, as Ms. Sebastian reached out to the cohort and asked for ways to contact their supervisors. We are at the end of this assessment cycle; however, we will continue on with the utilization of the employer survey as a tool for providing feedback for our graduates and program.

Implementation Plan

(timeline):

We are going to continue with this metric in the 2020 - 2025 Assessment Plan, as we believe this is a good tool to indicate the behaviors of our graduates. Survey will be sent out to employers approximately 6 months after graduation.

Key/Responsible

Personnel:

Program Director

Measures:

100% of returned surveys will have a score of 2.0/3.0 for Q.#3. Ethical and Professional Behavior.

Supporting Attachments:

❖ **Goal 2 To provide student opportunities that will allow them to communicate effectively..**

2.1 Students will utilize professional interpersonal skills to communicate with professional staff.

Mapped to:

- **Radiography Program Goals:**
Goal 2 To provide student opportunities that will allow them to communicate effectively.

Measure

R281 & R290 General Competency Form Interpersonal Communication Q#9

PROGRAM LEVEL; DIRECT - EXAM

Details/Description:

General Competency Form questions #9 "interpersonal communications" Measured during the student's second semester and again in the student's final semester of the Radiography program.

Acceptable Target:

All students will average a minimum of 2/3 on General Competency Form questions #9 "interpersonal communications"

Implementation Plan (timeline):

Measured in the Summer I and Spring Semester.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Clinical Coordinator or Faculty of Record

Supporting Attachments:

Findings

for R281 & R290 General Competency Form Interpersonal Communication Q#9

Summary of Findings:

2019-2020 Monitoring Period:

Summer 2019: R281: All students (11/11) received a minimum score of 2/3 on General Competency form Q#9. "Communicates well with the technologist." The average score was 2.99/3.00.

Spring 2020: R290: All students (11/11) received a minimum score of 2/3 on General Competency form Q#9. "Communicates well with the technologist." The average score was 2.99/3.00. Students were only in this course for 10 weeks due to COVID-19 restrictions.

Acceptable Target Achievement:

Exceeded

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

2.1 Action Plan/Analysis

No Status Added to 2.1 Action Plan/Analysis

Action details:

2019-2020: The students were measured at the end of Year 1 and again at the end of Year 2 of the program. The students in this cohort have done an excellent job, overall, with their communication in the clinical setting. All students demonstrate a desire to be in the clinical setting with very strong initiative according to the Clinical Staff. We are at the end of our assessment cycle for this outcome. The program faculty will consider ways in which to continue monitoring communication skills in the clinical setting because it is of utmost importance as a Radiographer.

Implementation Plan**(timeline):**

We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are opportunities presented to students which will allow them to communicate with patients for obtaining vital information which have to be shared with clinical staff and physicians. This goal will be measured in the following outcomes:
Students will be able to perform basic patient care skills and assessments.
Students will be able to assess the patient's condition, interpret medical data, and assist the radiologist/physician by communicating data and assisting with procedures. These will be measured in multiple courses:
AHLT-R100, Fall of Year 1
AHLT-R181 Fall of Year 1
AHLT-R208, Spring of Year 1

AHLT-R281, Summer of Year 1
AHLT-R282, Summer of Year 1

Key/Responsible


Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see attached document

Supporting Attachments:

 Radiography Analysis Action Plan Goal 2 (Word Document (Open XML))

2.2 Students will utilize professional verbal skills with patient

Mapped to:

- **Radiography Program Goals:**
Goal 2 To provide student opportunities that will allow them to communicate effectively.

Measure

R181 & R283 General Competency Form Regarding Patient Communication Q#4

PROGRAM LEVEL; DIRECT - EXAM

Details/Description:

All students will average a minimum of 2/3 on General Competency Form question 4. with no scores less than 2.0

Acceptable Target:

Average 2.0/3.0

Implementation Plan (timeline):

Measured in the Fall Semester.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Clinical Coordinator or Faculty of Record

Supporting Attachments:

Findings

for R181 & R283 General Competency Form Regarding Patient Communication Q#4

Summary of Findings:

Fall 2019:

R181: All students (12/12) scored at least a 2/3 on General Competency Form #4 "Patient or patient's family understood explanation of instructions/procedure." The average score for R181 was 2.99 /3.

R283: All students (11/11) scored at least a 2/3 on General Competency Form #4: "Patient or patient's family understood explanation of instructions/procedure." The average score for R283 was 3.0/3.0.

Acceptable Target Achievement:

Met

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

Goal 2.2

Analysis/Action Plan

Action details:

The program is pleased to have met the outcome for this objective, as the cohort for R181 has one student who struggles to communicate with everyone, but did manage to receive an overall average score for this component which was acceptable. The student did struggle to complete coursework on time for other courses and the Clinical Instructor provided concerning feedback about the student's performance regularly. While we are at the end of our assessment cycle, the faculty will continue to monitor this student regarding her performance and communication. We will also look for other means for assessing this component in the clinical setting.

Implementation Plan

(timeline):

We are changing the tools

No Status Added to Goal 2.2 Analysis/Action Plan

for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are opportunities presented to students which will allow them to communicate with patients for obtaining vital information which have to be shared with clinical staff and physicians. This goal will be measured in the following outcomes:
Students will be able to perform basic patient care skills and assessments.
Students will be able to assess the patient's condition, interpret medical data, and assist the radiologist/physician by communicating data and assisting with procedures. These will be measured in multiple courses:
AHLT-R100, Fall of Year 1
AHLT-R181 Fall of Year 1
AHLT-R208, Spring of Year 1
AHLT-R281, Summer of Year 1
AHLT-R282, Summer of Year 1

Key/Responsible

Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the document attached to Goal 2.1 for a breakdown of how we will measure Goal 2 in the 2020 - 2025 Assessment Plan.

Supporting Attachments:

2.3 Student will utilize written and skills in the classroom

Mapped to:

- **Radiography Program Goals:**
Goal 2 To provide student opportunities that will allow them to communicate effectively.

Measure

R200 Pathology Written Communication Assignment

PROGRAM LEVEL; DIRECT - STUDENT ARTIFACT

Details/Description:

Students will research a pathological condition, of their choice, where Medical Imaging plays an important role in the diagnosis, prognosis, or treatment process. Students will address technical factor adjustments in diagnostic radiography and additional imaging modalities utilized in the diagnosis and/or treatment of the pathologic condition. Students will present their research findings in an in-class presentation utilizing a technology-based system such as: Power Point/ Prezi/Keynote/Notability/etc. Students will present a copy of a quiz to be distributed to their classmates consisting of 10 -15 questions relating to the subject matter being presented.

Acceptable Target:

All Students will score a minimum of 80% on the major written assignment in this course.

Implementation Plan (timeline):

Spring Semester of Second Year.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Faculty of Record

Supporting Attachments:

Findings

for R200 Pathology Written Communication Assignment

Summary of Findings:

Spring 2020:

All students scored between 89% to 96% with the average score being a 95%. Due to COVID-19 restrictions, we were able to work on this assignment more in the online class meeting times than in the face to face environment.

Acceptable Target Achievement:

Exceeded

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

Goal 2.3

Analysis/Action Plan

No Status Added to Goal 2.3 Analysis/Action Plan

Action details:

The program is pleased with the results for this year. Ms. Sebastian is planning on attending the TILT Workshop offered by CTLA in late May. This should allow for changes to be made in other assignments to help the students do better on written assignments. The faculty will continue to monitor and assess written skills in the classroom as they arrive at the new 2020 – 2025 Assessment Plan.

Implementation Plan

(timeline):

We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are opportunities presented to students which will allow them to communicate with patients for obtaining vital information which have to be shared with clinical staff and physicians. This goal will be measured in the following outcomes:

Students will be able to perform basic patient care skills and assessments. Students will be able to assess the patient's condition, interpret medical data, and assist the radiologist/physician by communicating data and assisting with procedures. These will be measured in multiple courses:

AHLT-R100, Fall of Year 1
AHLT-R181 Fall of Year 1
AHLT-R208, Spring of Year 1
AHLT-R281, Summer of Year 1
AHLT-R282, Summer of Year 1

Key/Responsible

Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the document attached to Goal 2.1 for a breakdown of how we will measure Goal 2 in the 2020 - 2025 Assessment Plan.

Supporting Attachments:

❖ **Goal 3. To provide students opportunities that will allow them to think critically and solve problems.**

3.1 Students will evaluate radiographic images for appropriate positioning and image quality.

Component 3.1 A. Students will be able to demonstrate proper alignment of anatomical areas of interest using general comp form Image Evaluation, Q#2 with at least a 2.0/3.0.

Mapped to:

- **Radiography Program Goals:**
Goal 3: To provide students opportunities that will allow them to think critically and solve problems

Measure

R182 & R290 General Competency Form Image Evaluation Q#2

PROGRAM LEVEL; DIRECT - EXAM

Details/Description:

Students will be able to demonstrate proper alignment of anatomical areas of interest using general comp form Image Evaluation – Q #2 with at least a 2.0 / 3.0 score

Acceptable Target:

Average of 2.0/3.0

Implementation Plan (timeline):

Spring Semester
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Clinical Coordinator or Faculty of Record

Supporting Attachments:

Findings

for R182 & R290 General Competency Form Image Evaluation Q#2

Summary of Findings:

Spring 2020:

R182: All scores were at least a 2.0 on Competency Form Image Evaluation Q#2. The average score for Competency Form Image Evaluation Q#2, Spring 2018, R182 was 2.96/3.

R290: All scores were at least a 2.0 on Competency Form Image Evaluation Q#2. The average score for Competency Form Image Evaluation Q#2, Spring 2018, R290 was

2.98/3.

Acceptable Target Achievement:

Exceeded

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

3.1 A Analysis/Action Plan

No Status Added to 3.1 A Analysis/Action Plan

Action details:

Overall, the program is pleased with these results. Mrs. Bettegnies assigned multiple ASRT Modules for both cohorts once the COVID-19 restrictions were in place to help the students be able to keep their positioning skills somewhat up to par without being in the clinical environment. The faculty had decided to utilize RadTech BootCamp for the Fall of 2020 prior to the COVID-19 restrictions being implemented in Spring 2020.

We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are opportunities presented to students which will allow them to think critically and problem solve. We will be looking at Goal 3 in the following outcomes:
Students will demonstrate knowledge and practice radiation protection by applying ALARA principles in practice.

Students will select appropriate technical factors to assure quality images and patient care.

Students will develop organizational and critical thinking skills to increase efficiency in the performance of radiographic examinations.

Implementation Plan

(timeline):

These will be measured in multiple courses:

AHLT-R100, Fall of Year 1

AHLT-R102, Fall of Year 1

AHLT-R182, Spring of Year 1

AHLT-R201, Spring of Year 1

AHLT-R202, Spring of Year 1

AHLT-R281, Summer of Year 1

AHLT-R250, Fall of Year 2

AHLT-R283, Fall of Year 2

AHLT-R207, Spring of Year 2

AHLR-R260, Spring of Year 2

Employer Survey, 6 Months Post Graduation

Key/Responsible


Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see attached document

Supporting Attachments:

 Radiography Analysis Action Plan Goal 3 (Word Document (Open XML))

3.1 Students will evaluate radiographic images for appropriate positioning and image quality.

Measure

R202 Final Examination Grid/Table Technical Factor Adjustments

PROGRAM LEVEL; DIRECT - EXAM

Component 3.1.B. Students will be able to identify correct factor changes and correlate to effect on image a minimum of 75% of the time on "Grid/Table" question from R202 Final Examination.

Mapped to:

- **Radiography Program Goals:**
Goal 3: To provide students opportunities that will allow them to think critically and solve problems

Details/Description:

Students will be able to identify correct factor change and correlate to effect on image a minimum of 75% of the time. Final Examine "grid" in R 202.

Acceptable Target:

All of the cohort will answer this section of the final examination in R202 with at least 75% accuracy.

Implementation Plan (timeline):

Spring Semester of First Year.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Faculty of Record

Supporting Attachments:

Findings

for R202 Final Examination Grid/Table Technical Factor Adjustments

Summary of Findings:

Spring 2020:
All students scored at least 75% on the final "grid" in R202 with the average score being 77%.

Acceptable Target Achievement:

Met

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

3.1 B Analysis/Action Plan

No Status Added to 3.1 B Analysis/Action Plan

Action details:

The cohort, as a whole, appear to continue struggling with the principles of imaging. The faculty did not have any student in this cohort ask for additional assistance in Spring 2020, and very few asked for help in the Fall of 2019. There appears to be a disconnect with the cohort's ability to apply

what is being taught in the classroom through lectures and videos and what is being done in the clinical setting. It is almost as if the cohort is not taking the didactic courses as serious as the clinical courses. Some of this may stem from the last 6 weeks of Spring 2020 being in the online environment through the use of Zoom.

We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are opportunities presented to students which will allow them to think critically and problem solve. We will be looking at Goal 3 in the following outcomes:
Students will demonstrate knowledge and practice radiation protection by applying ALARA principles in practice.
Students will select appropriate technical factors to assure quality images and patient care.
Students will develop organizational and critical thinking skills to increase efficiency in the performance of radiographic examinations.

Implementation Plan

(timeline):

These will be measured in multiple courses:

AHLT-R100, Fall of Year 1

AHLT-R102, Fall of Year 1

AHLT-R182, Spring of Year 1

AHLT-R201, Spring of Year 1

AHLT-R202, Spring of Year 1

AHLT-R281, Summer of Year 1

AHLT-R250, Fall of Year 2

AHLT-R283, Fall of Year 2

AHLT-R207, Spring of Year

2
AHLR-R260, Spring of Year
2
Employer Survey, 6 Months
Post Graduation

Key/Responsible

Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the document attached to Goal 3.1 A for a breakdown of how we will measure Goal 3 in the 2020 - 2025 Assessment Plan.

Supporting Attachments:

3,2 Students will comprehend examinations at their clinical site.

Component 3.2: All students will score an average of 3.0/4.0 on Student Semester Clinical Education Evaluation question #1: "Displays understanding of information, responsibilities, procedures, materials, equipment, and techniques needed to complete the exam."

Mapped to:

- **Radiography Program Goals:**
Goal 3: To provide students opportunities that will allow them to think critically and solve problems

Measure

R290 End of Semester Clinical Evaluation Q#1: Comprehension

PROGRAM LEVEL; DIRECT - OTHER

Details/Description:

All students will score an average of 3.0 /4.0 on Student Semester Clinical Education Evaluation question #1: "Displays understanding of information, responsibilities, procedures, materials, equipment, and techniques needed to complete the exam."

Acceptable Target:

Average of 3.0/4.0

Implementation Plan (timeline):

Spring Semester of Second Year

Key/Responsible Personnel:

Clinical Coordinator or Faculty of Record

Supporting Attachments:

Findings

for R290 End of Semester Clinical Evaluation Q#1: Comprehension

Summary of Findings:

Spring 2020:

All students in R290, Spring 2019, scored at least a 3.0/4.0 on Q#1 for their End of Sester Evaluations. The average score was 3.8. The Clinical Instructors at each site were included in these evaluation scores.

Acceptable Target Achievement:

Exceeded

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

3.2 Analysis/Action Plan

No Status Added to 3.2 Analysis/Action Plan

Action details:

The program is pleased with these scores especially with the COVID-19 restrictions that were implemented by the clinical affiliates and the university limiting the number of clinical days for the cohort. This cohort has set the bar high for initiative, as they hit the ground running from day 1 of clinical education. We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are opportunities presented to students which will allow them to think critically and problem solve. We will be looking at Goal 3 in the following outcomes:
Students will demonstrate knowledge and practice radiation protection by applying ALARA principles in practice.
Students will select appropriate technical factors to assure quality images and patient care.
Students will develop organizational and critical thinking skills to increase efficiency in the

performance of radiographic examinations.

Implementation Plan

(timeline):

These will be measured in multiple courses:

AHLT-R100, Fall of Year 1

AHLT-R102, Fall of Year 1

AHLT-R182, Spring of Year 1

AHLT-R201, Spring of Year 1

AHLT-R202, Spring of Year 1

AHLT-R281, Summer of Year 1

AHLT-R250, Fall of Year 2

AHLT-R283, Fall of Year 2

AHLT-R207, Spring of Year 2

AHLR-R260, Spring of Year 2

Employer Survey, 6 Months Post Graduation

Key/Responsible

Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the document attached to Goal 3.1 A for a breakdown of how we will measure Goal 3 in the 2020 - 2025 Assessment Plan.

Supporting Attachments:

3.3 Program graduates will be able to critically think.

Component 3.3: Returned Employer surveys will indicate on Q#8, "Critical thinking ability to include image analysis and critique" with a score of at least 2.0/3.0 and no scores less than 2.0/3.0.

Measure

Graduate Employer Survey Q#8 Critical Thinking

PROGRAM LEVEL; DIRECT - OTHER

Details/Description:

Returned Employer surveys will indicate on Q #8 "Critical thinking ability to include image analysis and critique" a score of at least 2.0 / 3.0 score and no scores of less than 2.0 .

Mapped to:

- **Radiography Program Goals:**
Goal 3: To provide students opportunities that will allow them to think critically and solve problems

Acceptable Target:

No score less than 2.0/3.0; minimum of 2.0/3.0.

Implementation Plan (timeline):

Late Fall/Early Spring Semester.
Ongoing through the duration of the Assessment Plan.

Key/Responsible Personnel:

Program Director

Supporting Attachments:

Findings

for Graduate Employer Survey Q#8 Critical Thinking

Summary of Findings:

Fall 2019:

The program received 10 employer surveys back of 12 students. All returned surveys indicate the students are able to think critical by scoring at least a 2.0/3.0 with the average score being 2.29.

Acceptable Target Achievement:

Met

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

3.3 Analysis/Action Plan

No Status Added to 3.3 Analysis/Action Plan

Action details:

The program received 10 employer surveys back of 12 students. All returned surveys indicate the students are able to think critical by scoring at least a 2.0/3.0 with the average score being 2.29. We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are opportunities presented to students which will allow them to think critically and

problem solve. We will be looking at Goal 3 in the following outcomes:
Students will demonstrate knowledge and practice radiation protection by applying ALARA principles in practice.
Students will select appropriate technical factors to assure quality images and patient care.
Students will develop organizational and critical thinking skills to increase efficiency in the performance of radiographic examinations.

Implementation Plan

(timeline):

These will be measured in multiple courses:

AHLT-R100, Fall of Year 1

AHLT-R102, Fall of Year 1

AHLT-R182, Spring of Year 1

AHLT-R201, Spring of Year 1

AHLT-R202, Spring of Year 1

AHLT-R281, Summer of Year 1

AHLT-R250, Fall of Year 2

AHLT-R283, Fall of Year 2

AHLT-R207, Spring of Year 2

AHLR-R260, Spring of Year 2

Employer Survey, 6 Months Post Graduation

Key/Responsible

Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the document attached to Goal 3.1 A for a breakdown of how we will measure Goal 3 in the 2020 - 2025 Assessment Plan.

❖ **Goal 4. To provide educational experiences that produces clinically prepared as entry level Radiographers.**

4.1 Students will demonstrate knowledge of proper radiation practices for patients and technologists.

*Component 4.1. A.: Clinical comp form Image Evaluation Q #5
"Evidence of radiation protection: Student will score an average of 2.5 or greater and no score of less than 2.0 on a 3.0 Liker scale*

Mapped to:

- **Radiography Program Goals:**
Goal 4: To provide educational experiences that produces clinically competent individuals prepared for employment as entry level Radiographer

Measure

R182 & R290 General Competency Form Image Evaluation Q#5

PROGRAM LEVEL; DIRECT - EXAM

Details/Description:

Clinical comp form Image Evaluation Q #5 "Evidence of radiation protection: Student will score an average of 2.5 or greater and no score of less than 2.0 on a 3.0 Liker scale.

Acceptable Target:

Average of 2.5/4.0

Implementation Plan (timeline):

Spring Semester.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Clinical Coordinator or Faculty of Record

Supporting Attachments:

Findings

for R182 & R290 General Competency Form Image Evaluation Q#5

Summary of Findings:

Spring 2020:

R182: All of the first year, second semester students scored a minimum of 2.0/3.0 on Clinical Competency Image Evaluation Q#5 for Radiation Protection. All students consistently met this benchmark for R182.

R290: All of the second year, second semester students scored a minimum of 2.0/3.0 on Clinical Competency Image Evaluation Q#% for Radiation Protection. The average score was 3.0/3.0.

Acceptable Target Achievement:

Met

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

4.1 A Analysis/Action Plan

No Status Added to 4.1 A Analysis/Action Plan

Action details:

The program is pleased with the discussions surrounding shielding of patients and restriction of primary beam during clinical visits and classroom discussions. Some of this stems from the AAPM and ACR's stand on shielding in the Summer/Fall of 2019. The students and program faculty have had good discussions with the clinical staff on numerous visits, as well, regarding this issue and the student's desire to shield/collimate as much as possible. We will continue to discuss the ASRT Whitepaper Best Practices in Digital Radiography in the 2020 – 2021 Academic Year while challenging our students to make decisions as students and technologists which will benefit all involved in the imaging process.

We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are multiple opportunities for students to demonstrate competency in their clinical skill set which demonstrate they are prepared to be in the role of an entry-level radiographer. We will be looking at Goal 4 in the following outcomes: Students will be able to communicate effectively and apply interpersonal skills with patients, peers, physicians, and other vital members of the healthcare team.

Students will demonstrate positioning skills in the clinical are which allows the student to work in routine, emergency, and trauma situations while completing the procedure with speed and accuracy.

Implementation Plan

(timeline):

These will be measured in multiple courses:

AHLT-R181, Fall of Year 1

AHLT-R282, Summer of Year 1

AHLT-R283, Fall of Year 2

AHLT-R200, Spring of Year 2

Employer Survey, 6 Months Post Graduation

Key/Responsible


Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the attached document for a breakdown of how we will measure Goal 4 in the 2020 - 2025 Assessment Plan.

Supporting Attachments:

 Radiography Analysis Action Plan Goal 4 (Word Document (Open XML))

4.1 Students will demonstrate knowledge of proper radiation practices for patients and technologists.

Component 4.1. B. Radiation safety quiz – patient protection R 260, Chapter 12 Sherer Quiz / All students will score at least 80% on chapter quiz: “Management of Pat. Radiation dose during x-ray

Measure

R260 Radiation Safety Quiz

PROGRAM LEVEL; DIRECT - EXAM

Details/Description:

Radiation safety quiz – patient protection R 260, Chapter 12 Sherer Quiz / All students will score at least 80% on chapter quiz: “Management of Pat. Radiation dose during x-ray procedures.”

procedures.”

Mapped to:

- **Radiography Program Goals:**
Goal 4: To provide educational experiences that produces clinically competent individuals prepared for employment as entry level Radiographer

Acceptable Target:

Average of 80%

Implementation Plan (timeline):

Spring Semester of Second Year.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Faculty of Record

Supporting Attachments:

Findings

for R260 Radiation Safety Quiz

Summary of Findings:

Spring 2020:

10 of the 11 students scored at least 80% (32/40) on this quiz. The average score was 94% with the highest score being 98% and the lowest score being 76%.

Acceptable Target Achievement:

Not Met

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

4.1 B Analysis/Action Plan

Action details:

This was the first semester for Ms. Sebastian to teach R260 and she tried a variety of things to help the students master the material: study guides, practice quizzes, and multiple videos. The COVID-19 restrictions placed by the university in March 2020, threw a kink in the learning process, as well. However, the overall scores for this quiz were very high with the majority being between 85% to 98%. The student achieving

No Status Added to 4.1 B Analysis/Action Plan

a score of 76% had been having issues with grades in multiple courses during the entire semester. When the program reviewed the ARRT examination scores for section 3. Radiation Protection, the average score for the cohort was 8.9 with the student who scored the lowest on this quiz achieving a score of 8.9 on section 3. Radiation Protection. The student had discussed with the faculty issues with her finances and personal life which were causing her to get behind in her studies. The student was also having difficulty shifting from the face to face environment to an all online environment due to COVID-19 restrictions, as she was in a house full of distractions. We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are multiple opportunities for students to demonstrate competency in their clinical skill set which demonstrate they are prepared to be in the role of an entry-level radiographer. We will be looking at Goal 4 in the following outcomes:
Students will be able to communicate effectively and apply interpersonal skills with patients, peers, physicians, and other vital members of the healthcare team.
Students will demonstrate positioning skills in the clinical are which allows the student to work in routine, emergency, and trauma situations while completing the procedure with speed and accuracy.

Implementation Plan

(timeline):

These will be measured in multiple courses:
AHLT-R181, Fall of Year 1
AHLT-R282, Summer of Year 1
AHLT-R283, Fall of Year 2
AHLT-R200, Spring of Year 2
Employer Survey, 6 Months Post Graduation

Key/Responsible

Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the document attached to Goal 4.1 A for a breakdown of how we will measure Goal 4 in the 2020 - 2025 Assessment Plan.

Supporting Attachments:

4.1 Students will demonstrate knowledge of proper radiation practices for patients and technologists.

Component 4.1. C. Returned Employer surveys on question #2 "Radiation Safety knowledge and practices" our graduates will score at least a 2.0 / 3.0 and have no score less than 2.0.

Mapped to:

- **Radiography Program Goals:**
Goal 4: To provide educational experiences that produces clinically competent individuals prepared for employment as entry level Radiographer

Measure

Graduate Employer Survey Radiation Safety Q#2

PROGRAM LEVEL; DIRECT - OTHER

Details/Description:

Returned Employer surveys on question #2 "Radiation Safety knowledge and practices" our graduates will score at least a 2.0 / 3.0 and have no score less than 2.0.

Acceptable Target:

All scores at least 2.0/3.0.

Implementation Plan (timeline):

Late Fall/Early Spring Semester.
Ongoing for the duration of the Assessment Plan.

Key/Responsible Personnel:

Program Director

Supporting Attachments:

Findings

for Graduate Employer Survey Radiation Safety Q#2

Summary of Findings:

Fall 2019:

The average score for this question was 2.78/3 from the ten surveys returned this year. The program is pleased with this score, as seven of the employers scored the graduate as a 3/3 for this question.

Acceptable Target Achievement:

Met

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

4.1 C Analysis/Action Plan

No Status Added to 4.1 C Analysis/Action Plan

Action details:

The program was pleased with the number of returned surveys this year, as well as, the overall score for this question. We did share the information from the ASRT Whitepaper on Best Practices in Digital Radiography again at the Fall 2019 Advisory meeting, asking for suggestions on how we can assist our clinical staff with radiation protection in the digital environment. The clinical visits continue to be areas for great discussion with the students and clinical staff, many being alumni, regarding changes in technology and ways we can work to better protect our patients.

We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are multiple opportunities for students

to demonstrate competency in their clinical skill set which demonstrate they are prepared to be in the role of an entry-level radiographer. We will be looking at Goal 4 in the following outcomes:

Students will be able to communicate effectively and apply interpersonal skills with patients, peers, physicians, and other vital members of the healthcare team.

Students will demonstrate positioning skills in the clinical area which allows the student to work in routine, emergency, and trauma situations while completing the procedure with speed and accuracy.

Implementation Plan

(timeline):

These will be measured in multiple courses:

AHLT-R181, Fall of Year 1

AHLT-R282, Summer of Year 1

AHLT-R283, Fall of Year 2

AHLT-R200, Spring of Year 2

Employer Survey, 6 Months Post Graduation

Key/Responsible

Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the document attached to Goal 4.1 A for a breakdown of how we will measure Goal 4 in the 2020 - 2025 Assessment Plan.

Supporting Attachments:

4.2 Students will demonstrate positioning skills necessary to perform procedures and tasks as an entry level radiographer.

Component 4.2 All students will score a minimum of 3/4 on: End of Semester” - Student Semester Clinical Education Evaluation question 2 – “Accurate positioning, acknowledges proper radiographic image quality. Demonstrate room readiness, radiation protection, patient care, and organization of work.”

Mapped to:

- **Radiography Program Goals:**
Goal 4: To provide educational experiences that produces clinically competent individuals prepared for employment as entry level Radiographer

Measure

R182 & R290 End of Semester Evaluation Q#2 Radiation Protection

PROGRAM LEVEL; DIRECT - EXAM

Details/Description:

All students will score a minimum of 3/4 on: End of Semester” - Student Semester Clinical Education Evaluation question 2 – “Accurate positioning, acknowledges proper radiographic image quality. Demonstrate room readiness, radiation protection, patient care, and organization of work.”

Acceptable Target:

All students will score a minimum of 3.0/4.0.

Implementation Plan (timeline):

Spring Semester
Ongoing for the duration of the Assessment Plan

Key/Responsible Personnel:

Clinical Coordinator or Faculty of Record

Supporting Attachments:

Findings

for R182 & R290 End of Semester Evaluation Q#2 Radiation Protection

Summary of Findings:

Spring 2020:
R182: All 11 of the first year, second semester scored a minimum 3/04.0 on Q#2.
R290: All of the second year, second semester students scored at least a 3.0/4.0 on Q#2. The average for the cohort was 3.5/4 with the lowest score being 3(4/12) and the highest being 4 (4/12). This is a considerable improvement for the cohort when compared to R182, Spring 2019 where 1 in the cohort scored 2/4 and the average being 3.08.

Acceptable Target Achievement:

Met

Reflections/Notes:

Substantiating Evidence:

Action

in Include data collected in 2019-2020 - Action Plan

4.2 Analysis/Action Plan

No Status Added to 4.2 Analysis/Action Plan

Action details:

This assessment data

shows the importance of measuring something like this in the first year and in the second year experience, as it can reveal trends and growth. The data has consistently shown areas to monitor and when the program faculty go back and evaluate the data for trends, we have been able to see growth in the students. It also has placed questions in the minds of the faculty about reasons why students are not scoring well and how to place students in the forthcoming semesters. Our MIT Program Coordinator often asks about similar things when she is looking to place students for clinical rotations in the MIT program. We will look for areas where we are able to monitor similar ideas in the 2020 – 2025 Assessment Plan.

We are changing the tools for evaluation and measurement of this goal for the 2020 -2025 Assessment Cycle. We believe there are multiple opportunities for students to demonstrate competency in their clinical skill set which demonstrate they are prepared to be in the role of an entry-level radiographer. We will be looking at Goal 4 in the following outcomes:
Students will be able to communicate effectively and apply interpersonal skills with patients, peers, physicians, and other vital members of the healthcare team.

Students will demonstrate positioning skills in the clinical are which allows the student to work in routine, emergency, and trauma situations while completing the procedure

with speed and accuracy.

Implementation Plan

(timeline):

These will be measured in multiple courses:

AHLT-R181, Fall of Year 1

AHLT-R282, Summer of Year 1

AHLT-R283, Fall of Year 2

AHLT-R200, Spring of Year 2

Employer Survey, 6 Months Post Graduation

Key/Responsible

Personnel:

These metrics and benchmarks will be solicited and gathered by the Professor of Record for each course.

Measures:

Please see the document attached to Goal 4.1 A for a breakdown of how we will measure Goal 4 in the 2020 - 2025 Assessment Plan.

Supporting Attachments: