

University of North Carolina Hospitals

Radiation Therapy Program

Assessment Plan

2024-2025

Program’s Mission: The UNC Hospitals Radiation Therapy Program will prepare competent, educated, and professional entry-level radiation therapists who will participate in scholarly activity and enhance overall patient care.

Goal 1: Students will be clinically competent.

Outcomes	Measurement Tools	Benchmarks	Timeframes/ Responsible Parties	Results	Analyses/ Action Plans
1. Students will use patient data to perform appropriate CT simulation procedures.	Weekly clinical evaluation (CT simulation rotations)	An average score of 4.0 out of 5.0 or higher on question I(4) [Implements patient data]	Annually at graduation/ Program Director	<p><u>Class of 2023 (n = 4):</u> Fall: 3.7 (range = 2.8-4.5) Spring: 4.2 (range = 3.8-4.5) Summer: 4.1 (range = 4-4.3) Year: 4</p> <p><u>Class of 2024 (n = 3):</u> Fall: 3.6 (range = 3.3-3.8) Spring: 4.2 (range = 4-4.3) Year: 3.9</p>	<p>In the completion of this plan, it was identified that one (1) student in the Class of 2023 was not evaluated for a CT simulation rotation in the Summer semester.</p> <p>It was also noted that zero (0) students in the Class of 2024 were evaluated for a CT simulation</p>

					<p>rotation in the Summer semester.</p> <p>Therefore, the Summer data for the Class of 2023 is representative of three (3) students. Likewise, there is no Summer data for the Class of 2024.</p> <p>The students in the Classes of 2023 and 2024 did not meet the established benchmark for the Fall semester.</p> <p>The students in the Class of 2024 did not meet the benchmark for the year.</p> <p>For the Class of 2025, the program</p>
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				<p>director will ensure that all students are evaluated for a CT simulation rotation in the Summer semester.</p> <p>Simulation lab sessions will be included for (at least) the top 5 most common cancer sites/procedures in the Fall semester. A refresher will be offered at the beginning of the Spring semester.</p>
	Overall clinical evaluation (CT simulation rotations)	An average score of 4.0 out of 5.0 or higher for Clinical Performance		<p><u>Class of 2023 (n = 4):</u> Fall: 4.4 (range = 3.5-5) Spring: 4.8 (range = 4-5) Summer: 4.5 (4-5) Year: 4.6</p>
				<p>In the completion of this plan, it was identified that one (1) student in the Class of 2023 was not evaluated for a CT simulation rotation in the</p>

				<p>Class of 2024 (n = 3): Fall: 4.3 (range = 4-5) Spring: 5 (range = 5-5) Year: 4.7</p>	<p>Summer semester.</p> <p>It was also noted that zero (0) students in the Class of 2024 were evaluated for a CT simulation rotation in the Summer semester.</p> <p>Therefore, the Summer data for the Class of 2023 is representative of three (3) students. Likewise, there is no Summer data for the Class of 2024.</p> <p>The students in the Classes of 2023 and 2024 met the established benchmark.</p>
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					Overall, student clinical performance in CT Sim is commendable, with the lowest single-student score in a Fall semester of 3.5/5.
2. Students will reproduce patient setups from CT simulation.	Weekly clinical evaluation (treatment rotations)	An average score of 4.0 out of 5.0 or higher on question II(1) [Performs a broad range of radiation therapy examinations]	Annually at graduation/ Program Director	<p>Class of 2023 (n = 4): Fall: 4 (range = 3.4-4.6) Spring: 4.8 (range = 4.6-4.9) Summer: 4.7 (range = 4-5) Year: 4.5</p> <p>Class of 2024 (n = 3): Fall: 4.2 (range = 4.1-4.3) Spring: 4.8 (range = 4.7-5) Summer: 4.9 (range = 4.7-5) Year: 4.6</p>	<p>The Classes of 2023 and 2024 met the established benchmark.</p> <p>It is expected that students will not be able to perform as broad a range of examinations in the Fall semester, accounting for the lower average compared to the Spring and Summer. Scores significantly improved in the latter semesters.</p>
	Overall clinical evaluation	An average score of 4.0 out of 5.0 or		<p>Class of 2023 (n = 4):</p>	In the completion of this plan, it was

	(treatment rotations)	higher for Clinical Performance		<p>Fall: 4.3 (range = 3.7-4.8) Spring: 4.9 (range = 4.7-5) Summer: 4.9 (range = 4.7-5) Year: 4.7</p> <p><u>Class of 2024 (n = 3):</u> Fall: 4.5 (range = 4.3-5) Spring: 4.7 (range = 4.3-5) Summer: 4.7 (range = 4-5) Year: 4.6</p>	<p>identified that one (1) student in the Class of 2023 was not evaluated for a treatment rotation in the Summer semester.</p> <p>Therefore, the Summer data for the Class of 2023 is representative of three (3) students.</p> <p>For the Class of 2025, the program director will ensure that all students are evaluated for a treatment rotation in the Summer semester.</p> <p>Overall, student clinical performance in Treatment is commendable, with the lowest</p>
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					single-student score in a Fall semester of 3.7/5. Initial clinical distractions for this student were addressed.
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Goal 2: Students will demonstrate effective communication skills.

Outcomes	Measurement Tools	Benchmarks	Timeframes/ Responsible Parties	Results	Analyses/ Action Plans
1. Students will communicate effectively in writing.	Writing assignments	An average score of 90 out of 100 or higher	Annually at graduation/ Program Director	<p><u>Class of 2023 (n = 4):</u> Fall: 99.8 (range = 99.3-100) Spring: 99.95 (range = 99.8-100) Year: 99.9</p> <p><u>Class of 2024 (n = 3):</u> Fall: 100 (range = 100-100) Spring: 100 (range = 100-100) Year: 100</p>	<p>The students in the Class of 2023 and 2024 met the established benchmarks.</p> <p>The grades for the writing assignments are consistently high with little to no room for improvement.</p> <p>After the addition of the data for the Class of 2025, a revision to the</p>

					assignment rubric or another measurement tool will be considered.
	RTT596 Research Paper	A score of 90 out of 100 or higher		<p><u>Class of 2023 (n = 4):</u> 97.3 (range = 91-100)</p> <p><u>Class of 2024 (n = 3):</u> 95 (range = 90-98)</p>	<p>The students in the Classes of 2023 and 2024 met the established benchmark.</p> <p>Step-by-step guidance and continual reminders of expectations are given such that it is difficult to score poorly on this assignment.</p> <p>After the addition of the data for the Class of 2025, another measurement tool will be considered.</p>

2. Students will demonstrate effective oral communication skills.	RTT550 Case Study presentation	A score of 90 out of 100 or higher	Annually at graduation/ Program Director	Class of 2023 (n = 4): 100 (range = 100-100)	The students in the Classes of 2023 and 2024 met the established benchmark.
	RTT596 Research Paper presentation	A score of 90 out of 100 or higher		Class of 2023 (n = 4): 99.5 (range = 98-100)	The students in the Classes of 2023 and 2024 met the established benchmark.
	Weekly clinical evaluation	An average score of 4.5 out of 5.0 or		Class of 2024 (n = 3): 97 (range = 90-100)	The scores for both the case study and research paper presentations are consistently high. After the addition of the data for the Class of 2025, the measurement tools for this outcome will be reconsidered.
				Class of 2024 (n = 3): 95.3 (range = 93-100)	The students in the Classes of 2023 and 2024 met the established benchmark.
				Class of 2023 (n = 4):	The students in the Classes of 2023 and 2024 met the established benchmark.

		higher on question III(1) [Communicates effectively within a healthcare setting]		<p>Fall: 4.8 (range = 4.5-4.95) Spring: 4.98 (range = 4.9-5) Summer: 5 (range = 5-5) Year: 4.9</p> <p>Class of 2024 (n = 3): Fall: 4.9 (range = 4.8-4.9) Spring: 4.97 (range = 4.9-5) Summer: 4.9 (range = 4.7-5) Year: 4.9</p>	<p>2023 and 2024 met the established benchmark.</p> <p>Communication improved from Fall to Spring to Summer, with scores closer to 5 than 4.</p>
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Goal 3: Students will develop critical thinking skills.

Outcomes	Measurement Tools	Benchmarks	Timeframes/ Responsible Parties	Results	Analyses/ Action Plans
1. Students will apply didactic concepts in the clinical setting.	Weekly clinical evaluation	An average score of 4.0 out of 5.0 or higher on question I(5) [Evaluates treatment techniques in order to perform	Annually at graduation/ Program Director	<p>Class of 2023 (n = 4): Fall: 3.8 (range = 3.3-4.4) Spring: 4.6 (range = 4.4-4.9) Summer: 4.5 (range = 4.3-4.6)</p>	<p>The students in the Class of 2023 did not meet the benchmark for the Fall semester.</p> <p>The scores for the Spring and</p>

		appropriate procedures]		<p>Year: 4.3</p> <p><u>Class of 2024 (n = 3):</u> Fall: 4 (range = 3.8-4.1) Spring: 4.5 (range = 4.4-4.5) Summer: 4.9 (range = 4.7-5) Year: 4.5</p>	<p>Summer were much better, comparatively. Initial clinical distractions for a single student were also addressed.</p> <p>The students in the Class of 2024 met the established benchmark.</p>
	Overall clinical evaluation	An average score of 4.0 out of 5.0 or higher for Clinical Adaptability		<p><u>Class of 2023 (n = 4):</u> Fall: 4.4 (range = 3.6-4.8) Spring: 4.7 (range = 4.5-5) Summer: 4.6 (range = 4-5) Year: 4.6</p> <p><u>Class of 2024 (n = 3):</u> Fall: 4.5 (range = 4.3-4.8) Spring: 4.6 (range = 4.3-4.8)</p>	<p>The students in the Classes of 2023 and 2024 met the established benchmark.</p> <p>Students adjust to the clinical setting well and are able to contribute to the clinical team with their knowledge from class.</p>

				Summer: 4.7 (range = 4-5) Year: 4.6	
2. Students will develop solutions to clinical problems.	Weekly clinical evaluation	An average score of 4.0 out of 5.0 or higher on question I(6) [Uses sound judgement while functioning in a healthcare setting]	Annually at graduation/ Program Director	<u>Class of 2023 (n = 4):</u> Fall: 4.5 (range = 3.9-4.9) Spring: 4.9 (range = 4.7-4.9) Summer: 4.9 (range = 4.8-5) Year: 4.8 <u>Class of 2024 (n = 3):</u> Fall: 4.8 (range = 4.6-4.9) Spring: 4.9 (range = 4.9-4.9) Summer: 4.9 (range = 4.7-5) Year: 4.9	The students in the Classes of 2023 and 2024 met the established benchmark. Overall, students use sound judgement. Initial clinical distractions for a single student were addressed.
	A3	A score of 90 out of 100 or higher		<u>Class of 2023 (n = 4):</u> 100 (range = 100-100) <u>Class of 2024 (n = 3):</u> 100 (range = 100-100)	The students in the Class of 2023 and 2024 met the established benchmarks. The grades for the A3 assignment are consistently

					<p>high with no room for improvement.</p> <p>After the addition of the data for the Class of 2025, a revision to the assignment rubric or another measurement tool will be considered.</p>
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Goal 4: Students will grow and develop professionally.

Outcomes	Measurement Tools	Benchmarks	Timeframes/ Responsible Parties	Results	Analyses/ Action Plans
1. Students will demonstrate professional behaviors.	Weekly clinical evaluation	An average score of 4.0 out of 5.0 or higher on question III(2) [Conducts him/herself in an ethical and professional manner]	Annually at graduation/ Program Director	<p><u>Class of 2023 (n = 4):</u> Fall: 4.8 (range = 4.6-5) Spring: 4.98 (range = 4.9-5) Summer: 5 (range = 5-5) Year: 4.9</p> <p><u>Class of 2024 (n = 3):</u></p>	<p>The students in the Classes of 2023 and 2024 met the established benchmarks.</p> <p>As radiography graduates, students are familiar with acceptable behaviors in a</p>

				<p>Fall = 4.9 (range = 4.9-5) Spring: 5 (range = 5-5) Summer: 5 (range = 5-5) Year: 4.97</p>	<p>health care setting.</p> <p>After the addition of the data for the Class of 2025, a change to the benchmark will be considered.</p>
	Overall clinical evaluation	An average score of 4.0 out of 5.0 or higher for Efficient Use of Educational Opportunities		<p>Class of 2023 (n = 4): Fall: 4.6 (range = 3.6-5) Spring: 4.95 (range = 4.8-5) Summer: 4.9 (4.7-5) Year: 4.8</p> <p>Class of 2024 (n = 3): Fall: 4.8 (range = 4.8-4.8) Spring: 4.7 (range = 4.5-4.8) Summer: 5 (range = 5-5) Year: 4.8</p>	<p>The students in the Classes of 2023 and 2024 met the established benchmark.</p> <p>Initial clinical distractions for a single student were addressed.</p>
2. Students will participate in	Graduate survey	An average of 3 out of 4 or higher answers of YES	6 months post-graduation/ Program Director	<p>Class of 2023 (n = 1): 4/4 YES</p>	Only one (1) graduate survey and one (1)

continuing education and lifelong learning.		on questions IV(A-D)		<p><u>Class of 2024 (n = #):</u> Data to be added in December 2024</p>	<p>employer survey (for the same student) were returned for the Class of 2023.</p>
	Employer survey	An average score of 4.0 out of 5.0 or higher on question II(I) [Is able to perform current radiation therapy procedures and modalities]		<p><u>Class of 2023 (n = 1):</u> 5</p> <p><u>Class of 2024 (n = #):</u> Data to be added in December 2024</p>	<p>The program director informed the Class of 2024 that they would receive a survey six months after graduation and explained the importance of completing it.</p> <p>It is hoped that this class will better respond (and encourage their employers to do likewise).</p>