

**UNC Hospitals
Medical Dosimetry Program**

Assessment Plan: Analysis and Actions
Fall (1st semester) 2023 – Summer (3rd semester) 2024

Mission Statement: The UNC Hospitals Medical Dosimetry Program will produce competent, educated, and professional entry-level medical dosimetrists who will participate in scholarly activity and enhance overall patient care (JRCERT Standard 1.1).

Goal 1: Students will be clinically competent.

Outcomes	Measurement Tools	Benchmarks	Timeframes	Responsible Party	Results	Metrics	Action Plan
Students will demonstrate acquisition of correct dosimetry treatment planning skills.	Formative: Overall evaluation (Clinical Performance)	At least a 4- on the 5-point scale	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2): 5	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an appropriate measurement tool and benchmark.
	Summative: Employer survey (IIJ)	At least a 4.5 on the 5-point scale	Annually	Program Director (reported annually to the	2023 (n = 2):	Data for 2024 will be added for comparison.	Data for 2023 will be collected and entered in December 2023.

				Development Committee)			
Students will evidence competency in treatment.	Formative: Weekly evaluation (I5)	At least a 4 on the 5-point scale	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2): 5	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an appropriate measurement tool and benchmark.
	Summative: Employer Survey (IIG)	At least a 4.5 on the 5-point scale	Annually	Program Director (reported annually to the Development Committee)	2023 (n = 2):	Data for 2024 will be added for comparison.	Data for 2023 will be collected and entered in December 2023.

Goal 2: Students will demonstrate effective communication skills.

Outcomes	Measurement Tools	Benchmarks	Timeframe	Responsible Party	Results	Metrics	Action Plans
Students will effectively communicate with patients, medical dosimetrists, faculty, and staff.	Formative: Weekly evaluation (III1)	At least a 4 on the 5-point scale	Annually	Program Director (reported annually to the Development Committee)	2023 (n = 2): 5	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an appropriate measurement tool and benchmark.
	Summative: Employer Survey (IIIK)	At least a 4.5 on the 5-point scale	Annually	Program Director (reported annually to the Development Committee)	2023 (n = 2):	Data for 2024 will be added for comparison.	Data for 2023 will be collected and entered in December 2023.
Students will write at a proficient level by graduation.	Formative: MD500 Professionalism Written Report	A grade of at least 40/50	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2): 49	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an appropriate measurement tool and benchmark.

	Summative: MD505 Research Project	A grade of at least 40/50 on the final paper	3 rd semester	Program Director (reported annually to the Development Committee)	2023 (n = 2):	Data for 2024 will be added for comparison.	Data for 2023 will be collected and entered in June 2023.
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Goal 3: Students will develop critical thinking skills.

Outcomes	Measurement Tools	Benchmarks	Timeframe	Responsible Party	Results	Metrics	Action Plans
Students will apply didactic concepts and information in the clinical setting.	Formative: Weekly evaluation (II3)	At least a 4 on the 5-point scale	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2): 5	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an appropriate measurement tool and benchmark.
	Summative: Overall evaluation (Clinical Performance)	At least a 4.5 on the 5-point scale	3 rd semester	Program Director (reported annually to the Development Committee)	2023 (n = 2):	Data for 2024 will be added for comparison.	Data for 2023 will be collected and entered in June 2023.
Students will conceptualize current patient safety radiation therapy Lean A3 engineering principles.	Formative: MD509 A3 worksheet assignment	A grade of at least 40/50	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2):	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an

							appropriate measurement tool and benchmark.
	Summative: MD509 Test Question 4	2/2 answer correctly	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2): 100%	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an appropriate measurement tool and benchmark.

Goal 4: Students will grow and develop professionally.

Outcomes	Measurement Tools	Benchmarks	Timeframe	Responsible Party	Results	Metrics	Action Plans
Students will demonstrate professional behaviors.	Formative: Overall evaluation (Professional Appearance)	At least a 4 on the 5-point scale	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2): 5	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an appropriate measurement tool and benchmark.
	Summative: Graduate Survey (IHL)	At least a 4.5 on the 5-point scale	Annually	Program Director (reported annually to the Development Committee)	2023 (n = 2):	Data for 2024 will be added for comparison.	Data for 2023 will be collected and entered in December 2023.
Students will participate in continuing education.	Formative: Student is a member of a professional organization.	½ are a member	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2): 50%	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an

							appropriate measurement tool and benchmark.
	Summative: Graduate Survey (IVD)	2/2 answer yes	Annually	Program Director (reported annually to the Development Committee)	2023 (n = 2):	Data for 2024 will be added for comparison.	Data for 2023 will be collected and entered in December 2023.
Students will communicate professionally both orally and through the written word.	Formative: MD500 Professionalism Oral Report	A grade of at least 20/25	1 st semester	Program Director (reported annually to the Development Committee)	2023 (n = 2): 23.5	Data for 2024 will be added for comparison.	The students met the benchmark. The program will monitor next year's data to determine if this is an appropriate measurement tool and benchmark.
	Summative: MD505 Research Presentation	A grade of at least 16/20	3 rd semester	Program Director (reported annually to the Development Committee)	2023 (n = 2):	Data for 2024 will be added for comparison.	Data for 2023 will be collected and entered in June 2023.

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