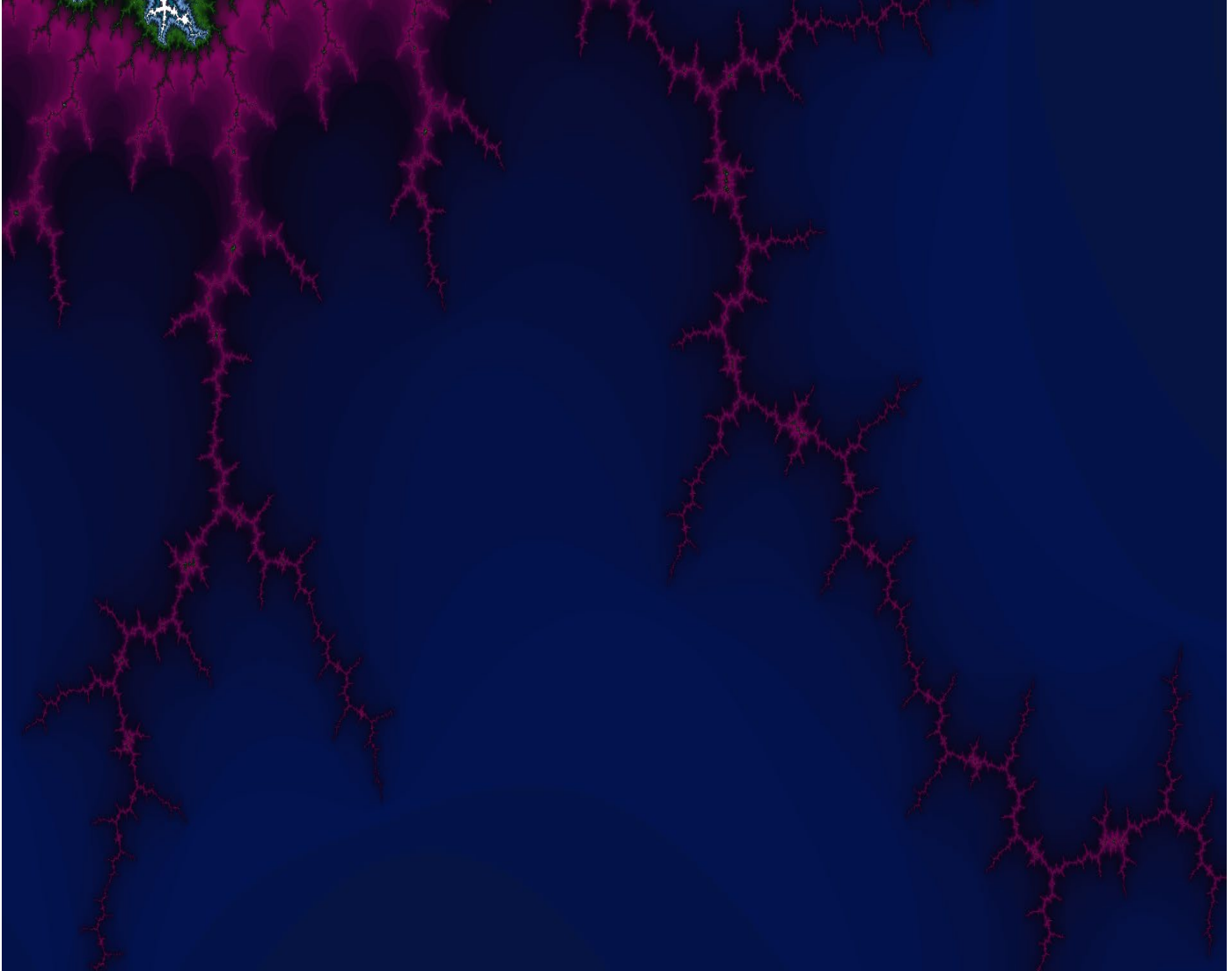


# Enrollment Snapshot of Radiography, Radiation Therapy, and Nuclear Medicine Technology Programs – 2021

December 2021



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American Society of Radiologic Technologists

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- Additional Documents (please contact the ASRT for a copy):**
- Survey Instruments and Invitation Letter
  - Verbatim Responses to Open-Ended Questions

## Executive Summary

In early October 2021, an invitation to complete an online questionnaire was sent via email to 961 radiography, radiation therapy, and nuclear medicine technology programs approved by the American Registry of Radiologic Technologists (ARRT). At the close of the survey in early November 2021, a total of 277 responses had been received, yielding an overall response rate of 28.8%.

	Return	Population	Percent Sampled	Margin of Error at the 95% Level
<b>Radiography</b>	214	737	29.0%	±5.7%
<b>Radiation Therapy</b>	36	109	33.0%	±13.4%
<b>Nuclear Medicine</b>	25	115	21.7%	±17.4%
<b>Overall</b>	<b>277</b>	<b>961</b>	<b>28.8%</b>	<b>±5.0%</b>

This report summarizes findings regarding enrollment in ARRT-approved radiologic sciences programs based on the responses from program directors.

### Demographic Analysis

Most responses to the survey were from radiography programs (77.3%); of the remaining responses, 13.0% were from radiation therapy programs, 9.0% were from nuclear medicine programs, and 0.7% were from other types of imaging programs.

A plurality of respondents (44.8%) work at a community college; 26.0% work at a university, 17.3% at a medical center, 8.7% at a technical college, and 1.4% at a for-profit school. The remaining 1.8% work at another type of institution.

The most common terminal degree offered by responding institutions is an associate degree (63.2%); 20.9% offer a bachelor's degree, and 15.9% offer another type of degree.

The vast majority of programs surveyed (96.4%) are located in the United States; 2.9% are in Canada, and 0.8% are elsewhere.

The US regions with the most responses were South Atlantic and East North Central, each representing 20.3% of all responses. The lowest response rates were in New England at 6.0% and the Mountain region at 4.9%.

### Enrollment Analysis

Based on the survey responses, radiography programs enrolled an average of 21.0 students in 2021. This represents a decline of 0.3 students per program from 2020. This produces an overall estimate of 15,477 students entering ARRT-approved radiography programs in 2021, down from 15,620 in 2020.

On average, radiation therapy programs enrolled 11.7 students in 2021. This represents an increase of 0.6 students per program from 2020 when, on average, 11.1 students enrolled in each radiation therapy program. This produces an overall estimate of 1,275 students enrolling in ARRT-approved radiation therapy programs in 2021, up from 1,182 in 2020.

On average, nuclear medicine programs enrolled 11.3 students in 2021. This represents an increase of 2.0 students per program from 2020 when, on average, 9.3 students enrolled in each nuclear medicine program. Overall, this produces an estimate of 1,300 students enrolling in nuclear medicine programs in 2021, up from 1,076 in 2020.

### 2021 Student Capacity

Asked whether their program is currently at full enrollment, 46.3% of radiography programs, 66.7% of radiation therapy programs, and 48.0% of nuclear medicine programs said that they are at capacity.

There were no statistically significant differences between disciplines.

Programs not at full enrollment were asked how many additional students their program could accommodate. On average, radiography programs said they could accommodate an additional 7.0 students, radiation therapy programs said they could accommodate an additional 6.9 students, and nuclear medicine programs said they could accommodate an additional 4.4 students.

For programs not at capacity, this produces an estimate of 2,770 additional spaces for students across all radiography programs, 250 additional spaces for students across all radiation therapy programs, and 263 additional spaces for students across all nuclear medicine programs.

The mean number of qualified students turned away by radiography programs was 25.2. Radiation therapy programs turned away an average of 18.9 qualified students, and nuclear medicine programs turned away an average of 4.1 qualified students.

This produces an estimate of 8,599 qualified students turned away in radiography, 1,374 turned away by therapy programs, and 226 turned away by nuclear medicine programs.

### Near-term Changes

Most of the programs surveyed plan to maintain their current levels of enrollment; 70.2% of programs across these disciplines plan to keep their enrollment at the same level; 27.6% of programs plan to increase enrollment, and the remaining 2.2% plan to decrease their enrollment.

In radiography, 70.1% of programs plan to maintain current enrollment; 28.0% plan to increase their enrollment, and the remaining 1.9% of programs plan to decrease their enrollment.

In radiation therapy, 75.0% of programs plan to keep their current enrollment; 19.4% are planning an increase, and 5.6% plan to decrease enrollment.

In nuclear medicine, 64.0% of programs plan to maintain current enrollment and 36.0% are planning an increase.

There were no statistically significant differences between groups.

The majority of programs across disciplines (83.3%) will definitely continue to operate; 14.9% will most likely continue operations, 0.7% will most likely close, and the remaining 1.1% will definitely close.

In radiography, 85.0% of programs said they would definitely continue to operate; 14.0% will most likely continue operation, 0.5% will likely close, and the remaining 0.5% will definitely close.

In radiation therapy, 75.0% of programs will definitely continue to operate, 19.4% will most likely continue operations, and the remaining 5.6% will definitely close.

In nuclear medicine, 80.0% of programs will definitely continue to operate, 16.0% will likely continue to operate, and 4.0% will most likely close.

There were statistically significant differences between groups.

### Program Outcomes

Asked about the attrition rate<sup>1</sup> of their program, respondents indicated that, on average:

- 12.7% of students in radiography programs failed to complete their course of study.
- 8.9% of students in radiation therapy programs failed to complete their course of study.

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<sup>1</sup> Methodological Note: In previous years, no attempt was made to determine the plausibility of responses about attrition. In the last three years responses were recoded according to the following scheme: If the respondent indicated an attrition rate of 59% or lower, the response was left as is. If the respondent

indicated an attrition rate over 59%, the response was recoded as (1-x) where  $x = \text{uncoded user response}$ . For this reason, reported attrition means on the last three Enrollment Snapshots will be noticeably lower than they have been in previous years.

- 10.2% of students in nuclear medicine programs failed to finish their studies.

### COVID-19 Questions

In light of the ongoing COVID-19 pandemic, respondents were asked several questions pertaining to the pandemic's effect on their program. The results were compared to those from the previous Enrollment Snapshot and, where possible, were compared to those of an ASRT survey conducted in April 2020 on the effects of COVID-19.

### Comparative Questions

Asked whether the response to COVID-19 has reduced their ability to place students in a clinical setting, 51% said yes; this represents a decline from 74% in the previous Enrollment Snapshot, which was already down from 98.4% in the April 2020 survey.

A majority of respondents (94%) said that less than twenty-five percent of their clinical rotation schedule has been eliminated as a result of COVID-19. This represents a considerable return to normalcy from the previous Enrollment Snapshot when 26% of respondents had eliminated at least 25% of their clinical rotations, already a return to greater normalcy from the April 2020 survey when 62% of respondents had eliminated their entire clinical rotation schedule.

Asked about alternatives being used to compensate for a reduced clinical schedule, 26% of programs reported using virtual solutions, up from 21% in October 2020, and from 16% in April 2020; 26% are delaying their clinical schedule to a later date, down from 29% in October 2020 and 46% in April 2020; 25% are using various online resources such as videos, down from 26% in October 2020 and up from 17% in April 2020; 16% are using alternative assignments such as papers, down from 19% in October 2020 but still up from 9% in April 2020; 7% are using some other alternative, up from 4% in October 2020 but down from 12% in April 2020. Note that "other" responses indicating a return to normal clinical schedule were not computed as part of the total percentage in the 2021 survey.

Asked about their program's most pressing needs to offset a reduced clinical schedule, a plurality of

respondents (35%) suggested alternatives to clinical instruction, marginally up from 34% as of October 2020, but down from 39% in April 2020; 18% suggested an extended schedule to allow students to meet requirements at a later date, down from 27% in October 2020, but up from 17% in April 2020; 18% said they need additional online education resources, up from 13% in October 2020 and 8% in April 2020; 16% suggested a relaxation of clinical requirements, down from 22% in October 2020 and 24% in April 2020; 2% suggested a relaxation of graduation requirements, up from 2% in October 2020, but down from 5% in April 2020; 10% indicated other needs, up from 3% in October 2020 and 8% in April 2020. Note that "other" responses indicating a return to normal clinical scheduling were not computed as part of the total percentage in the 2021 survey.

### Questions Unique to the Enrollment Survey

Asked whether their program allows students to perform exams on known or suspected COVID-19 patients, 61% said yes, down from 74% in October 2020.

The question, "How many clinical sites are currently allowing students to complete clinical procedures at their site?" was originally asked by the ARRT in their May 2020 survey, *Radiography Educational Program Director Survey Results & Analysis*. Asked again in the current Enrollment Survey, 49% of respondents said that 10 or more clinical sites were allowing students, up from 39% in the previous Enrollment Snapshot and 1% from the May 2020 ARRT survey; No programs said that none of their clinical sites are allowing students, compared to 1% on the previous Enrollment Snapshot and 74% on the May 2020 ARRT survey.

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## **Glossary**

The following statistical results are displayed using a common set of acronyms and symbols for brevity. The symbols and acronyms used are listed here for reference.

### **N**

Number of responses.

### **Valid Percent**

Percentage of total responses.

### **Mean**

The arithmetic average.

### **Population**

The total number of programs.

### **SD**

Standard deviation.

### **$\chi^2$**

Chi-squared, from Pearson's chi-square test for statistical significance.

### **F**

F-statistic, from analysis of variance (ANOVA) to test for statistical significance.

### **P**

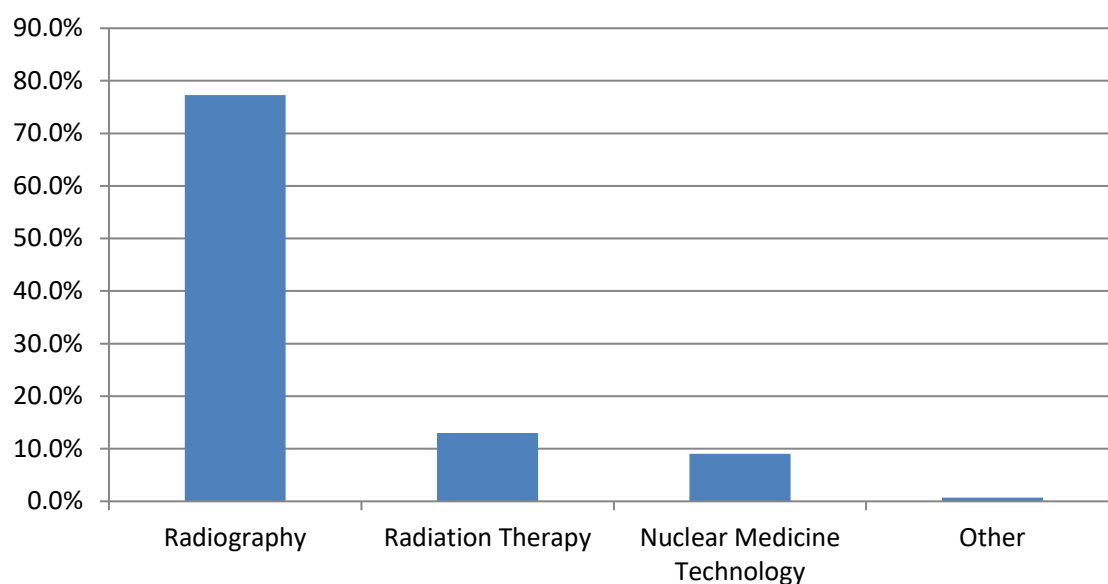
Probability, as a measure for statistical significance when  $P \leq 0.05$ .

## Demographics

Indicate your program type.

	N	Valid Percent	Population Distribution	Sample Return as Percent of Population
Radiography	214	77.3%	737	29.0%
Radiation Therapy	36	13.0%	109	33.0%
Nuclear Medicine Technology	25	9.0%	115	21.7%
Other	2	0.7%	n/a	n/a
<b>Total</b>	<b>277</b>	<b>100.0%</b>	<b>961</b>	<b>28.8%</b>

Indicate your program type.

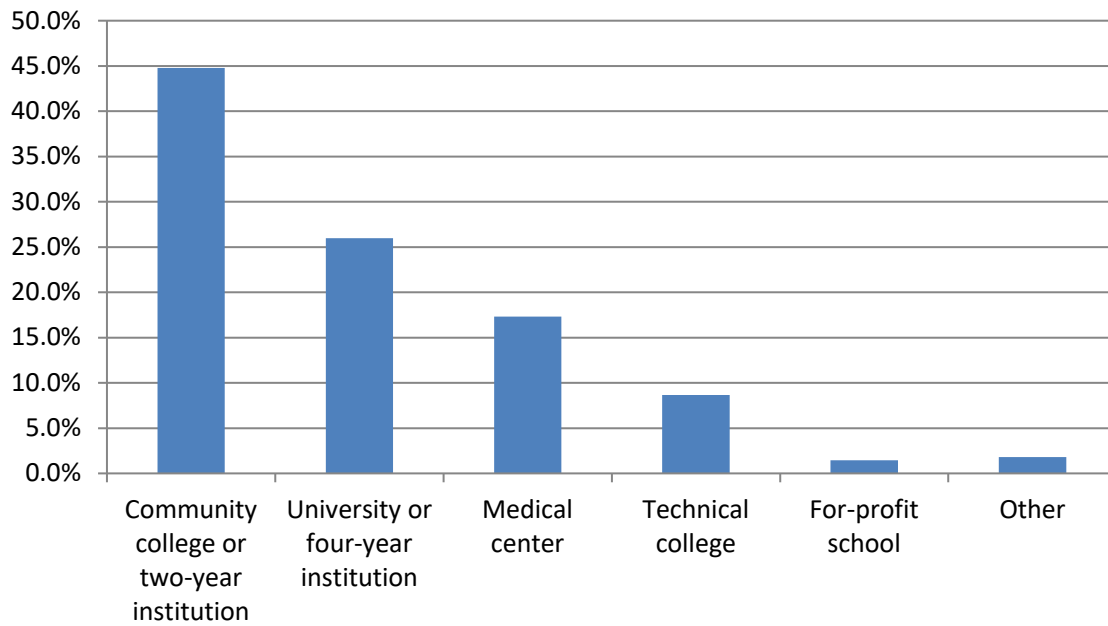




### What is your primary place of employment?

	N	Valid Percent
Community college or two-year institution	124	44.8%
University or four-year institution	72	26.0%
Medical center	48	17.3%
Technical college	24	8.7%
For-profit school	4	1.4%
Other	5	1.8%
<b>Total</b>	<b>277</b>	<b>100.0%</b>

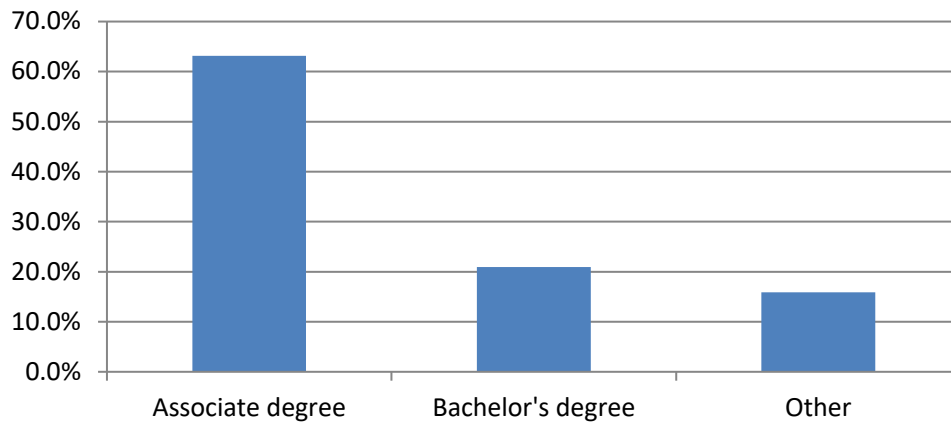
### What is your primary place of employment?



**What is the terminal degree earned by the graduates in your program?**

	<b>N</b>	<b>Valid Percent</b>
Associate degree	175	63.2%
Bachelor's degree	58	20.9%
Other	44	15.9%
<b>Total</b>	<b>277</b>	<b>100.0%</b>

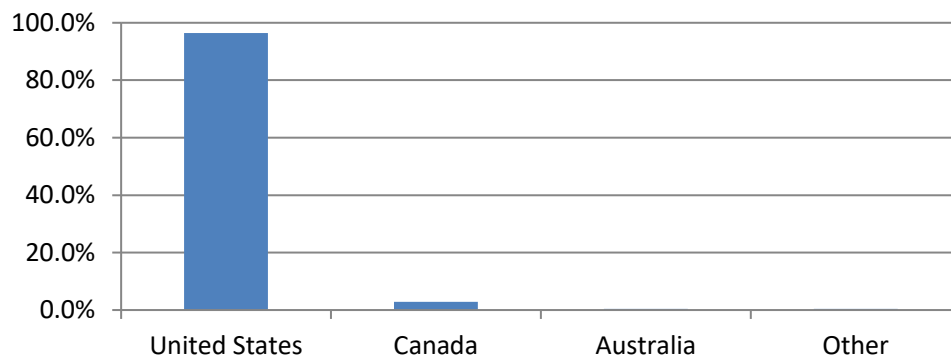
**What is the terminal degree earned by the graduates in your program?**



**In what country is your program located?**

	<b>N</b>	<b>Valid Percent</b>
United States	267	96.4%
Canada	8	2.9%
Australia	1	0.4%
Other	1	0.4%
<b>Total</b>	<b>277</b>	<b>100.0%</b>

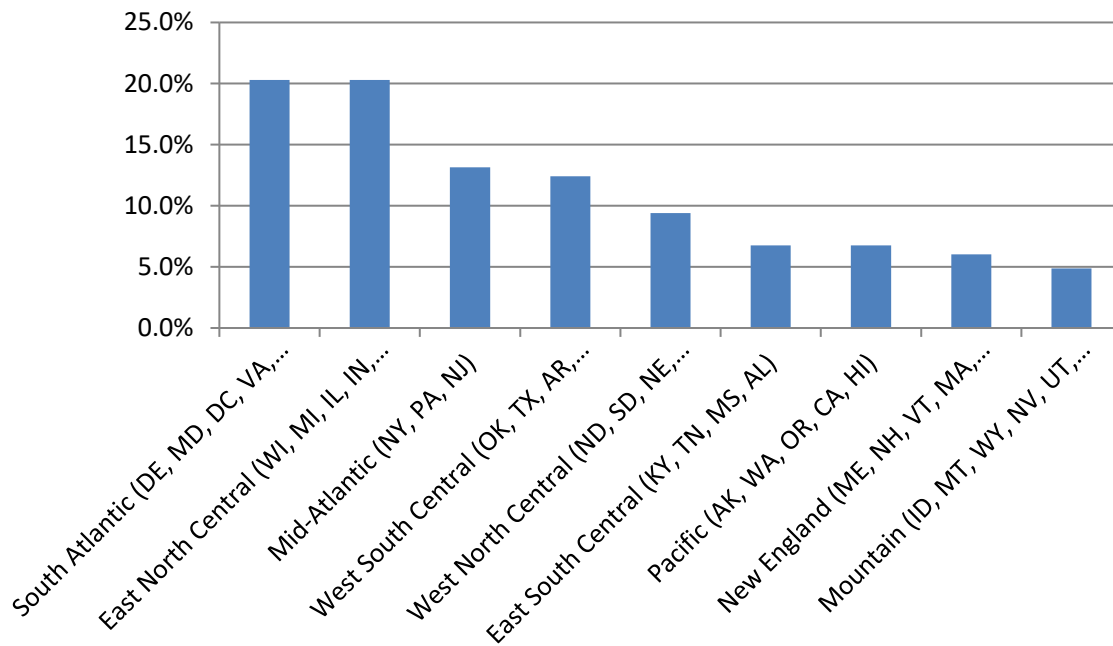
**In what country is your program located?**



If you chose the United States in the question above, please indicate in which region your program is located.

	N	Valid Percent
South Atlantic (DE, MD, DC, VA, WV, NC, SC, GA, FL, PR)	54	20.3%
East North Central (WI, MI, IL, IN, OH)	54	20.3%
Mid-Atlantic (NY, PA, NJ)	35	13.2%
West South Central (OK, TX, AR, LA)	33	12.4%
West North Central (ND, SD, NE, KS, MN, IA, MO)	25	9.4%
East South Central (KY, TN, MS, AL)	18	6.8%
Pacific (AK, WA, OR, CA, HI)	18	6.8%
New England (ME, NH, VT, MA, RI, CT)	16	6.0%
Mountain (ID, MT, WY, NV, UT, CO, AZ, NM)	13	4.9%
<b>Total</b>	<b>266</b>	<b>100.0%</b>

If you chose the United States in the question above, please indicate in which region your program is located.



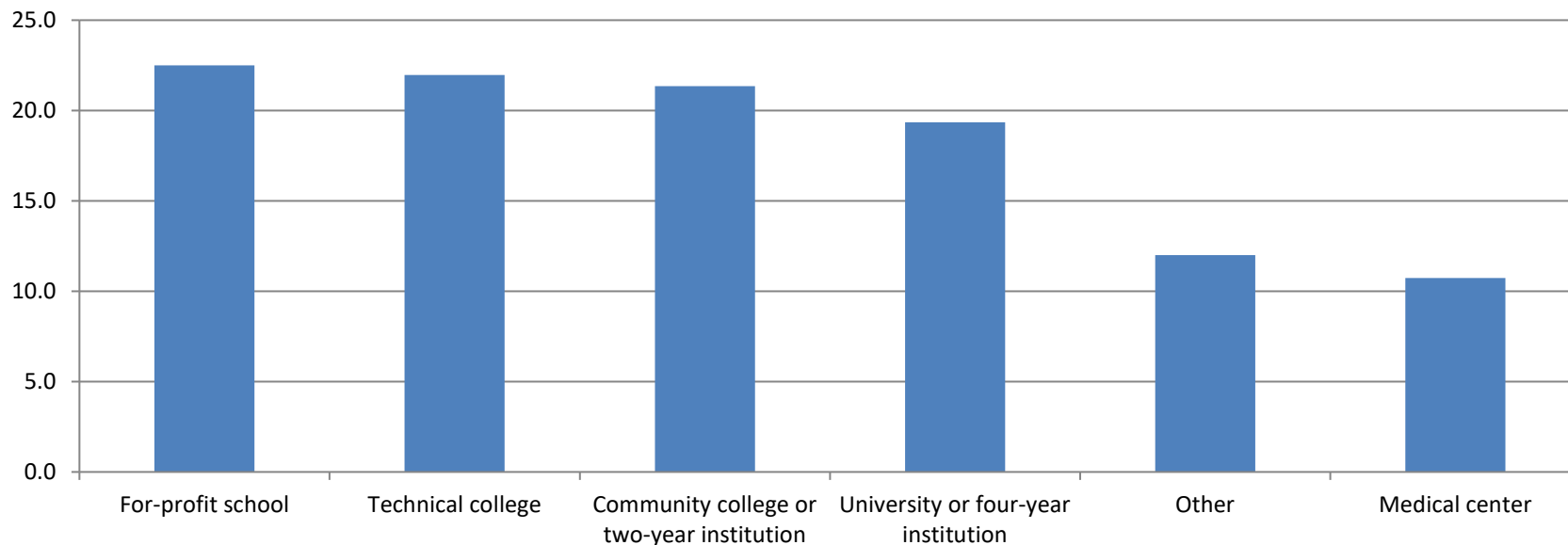
## 2021 Enrollment Analysis

### Mean number of students entering by program and institution type.

	Radiography			Radiation Therapy			Nuclear Medicine Technology			Total		
	Mean	N	SD	Mean	N	SD	Mean	N	SD	Mean	N	SD
Technical college	22.5	22	10.5	21.0	1	.	11.0	1	.	22.0	24	10.3
Community college or two-year institution	22.7	104	12.9	11.5	12	5.0	18.3	8	11.6	21.3	124	12.7
University or four-year institution	23.8	45	13.3	13.3	16	5.7	8.1	9	5.1	19.3	70	12.6
Medical center	11.9	36	5.7	6.8	5	2.0	7.6	7	5.8	10.7	48	5.7
For-profit school	24.3	3	10.4	17.0	1	.	.	.	.	22.5	4	9.3
Other	15.0	4	4.1	.0	1	.	.	.	.	12.0	5	7.6
<b>Total</b>	<b>21.0</b>	<b>214</b>	<b>12.3</b>	<b>11.7</b>	<b>36</b>	<b>5.8</b>	<b>11.3</b>	<b>25</b>	<b>9.0</b>	<b>18.9</b>	<b>275</b>	<b>12.0</b>

An ANOVA showed an overall difference in the mean number of students entering by institution type,  $F(5, 271) = 4.798, P < .001$ . Post hoc comparisons using the Bonferroni correction indicated that the mean number of students entering medical centers was statistically different from community colleges and universities,  $P \leq .008, (.05/6)$ .

### Mean number of students entering by institution type. (Overall)

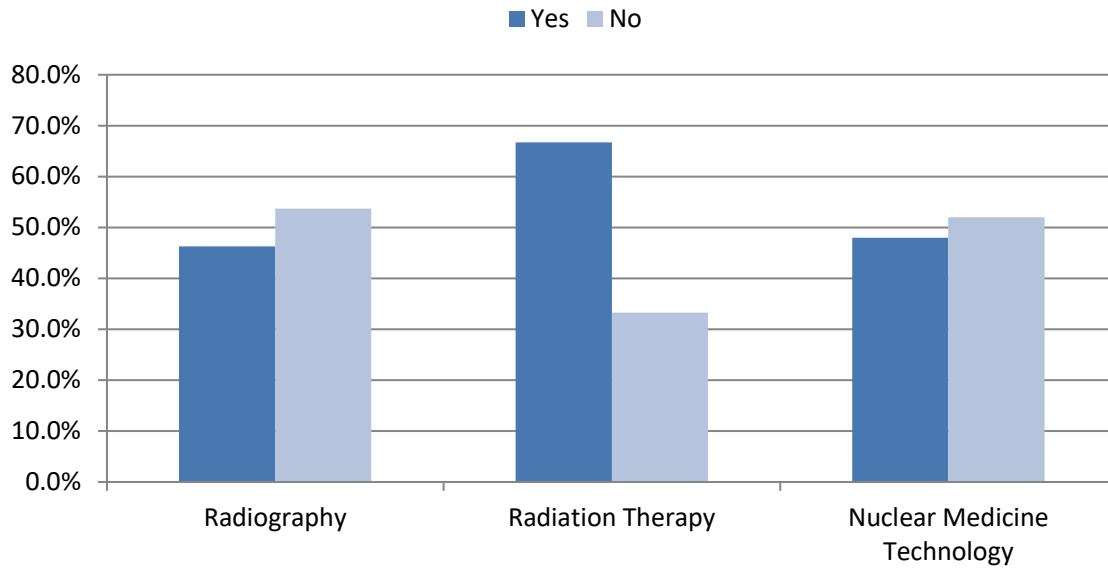


### Is your program currently at full enrollment?

		Radiography	Radiation Therapy	Nuclear Medicine Technology	Total
Yes	N	99	24	12	135
	%	46.3%	66.7%	48.0%	49.1%
No	N	115	12	13	140
	%	53.7%	33.3%	52.0%	50.9%
Total	N	214	36	25	275
	%	100.0%	100.0%	100.0%	100.0%

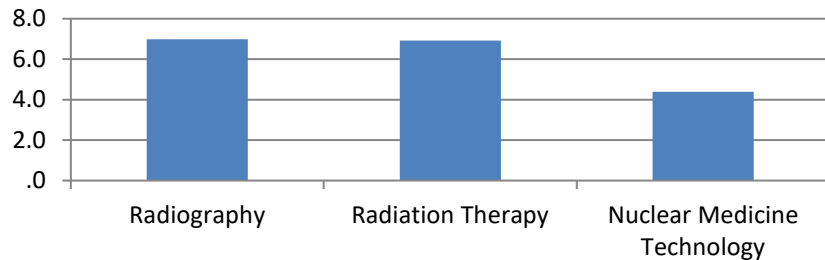
There were no statistically significant differences between disciplines.

### Is your program currently at full enrollment?

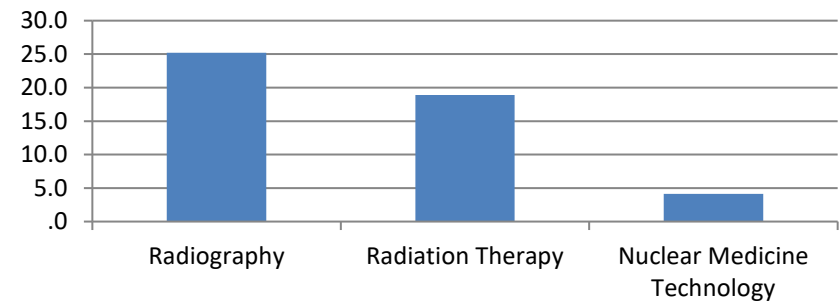


	Radiography			Radiation Therapy			Nuclear Medicine Technology			Total		
	Mean	N	SD	Mean	N	SD	Mean	N	SD	Mean	N	SD
<b>If you are not at full enrollment, how many additional students could be accommodated by your program?</b>	7.0	111	7.8	6.9	12	6.9	4.4	13	4.7	6.7	136	7.5
<b>How many qualified students did you turn away this fall?</b>	25.2	196	40.0	18.9	33	24.0	4.1	24	7.6	22.4	253	36.8
<b>Attrition rate in 2020</b>	12.7%	210	12.3%	8.9%	34	12.9%	10.2%	25	10.8%	12.0%	270	12.2%

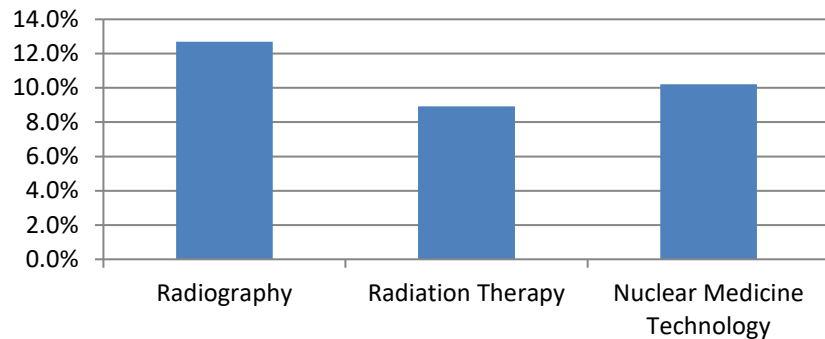
**If you are not at full enrollment, how many additional students could be accommodated by your program?**



**How many qualified students did you turn away this fall?**



**What was the attrition rate for the class of 2020?**

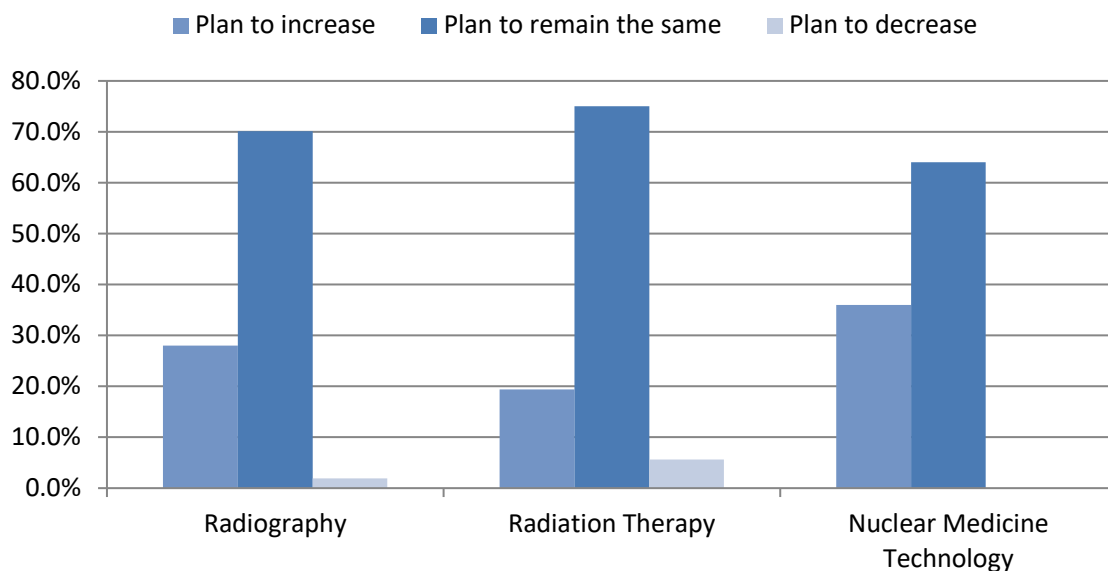


### Do you plan any changes related to enrollment?

		Radiography	Radiation Therapy	Nuclear Medicine Technology	Total
Plan to increase	N	60	7	9	76
	%	28.0%	19.4%	36.0%	27.6%
Plan to remain the same	N	150	27	16	193
	%	70.1%	75.0%	64.0%	70.2%
Plan to decrease	N	4	2	0	6
	%	1.9%	5.6%	0.0%	2.2%
<b>Total</b>	<b>N</b>	<b>214</b>	<b>36</b>	<b>25</b>	<b>275</b>
	<b>%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

There were no statistically significant differences between disciplines.

### Do you plan any changes related to enrollment?

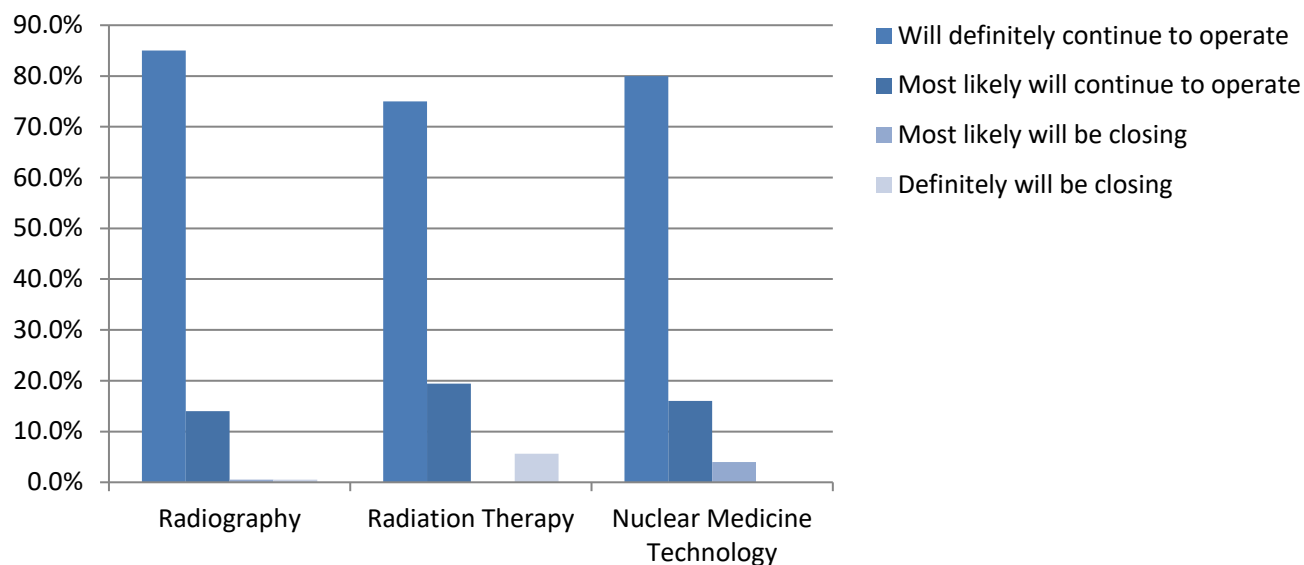


### How viable is your program over the next few years?

		Radiography	Radiation Therapy	Nuclear Medicine Technology	Total
Will definitely continue to operate	N	182	27	20	229
	%	85.0%	75.0%	80.0%	83.3%
Most likely will continue to operate	N	30	7	4	41
	%	14.0%	19.4%	16.0%	14.9%
Most likely will be closing	N	1	0	1	2
	%	0.5%	0.0%	4.0%	0.7%
Definitely will be closing	N	1	2	0	3
	%	0.5%	5.6%	0.0%	1.1%
<b>Total</b>	<b>N</b>	<b>214</b>	<b>36</b>	<b>25</b>	<b>275</b>
	<b>%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

The proportional difference in the response distribution was statistically significant,  $\chi^2(6, n = 275) = 12.8 p = .046$ .

### How viable is your program over the next few years?





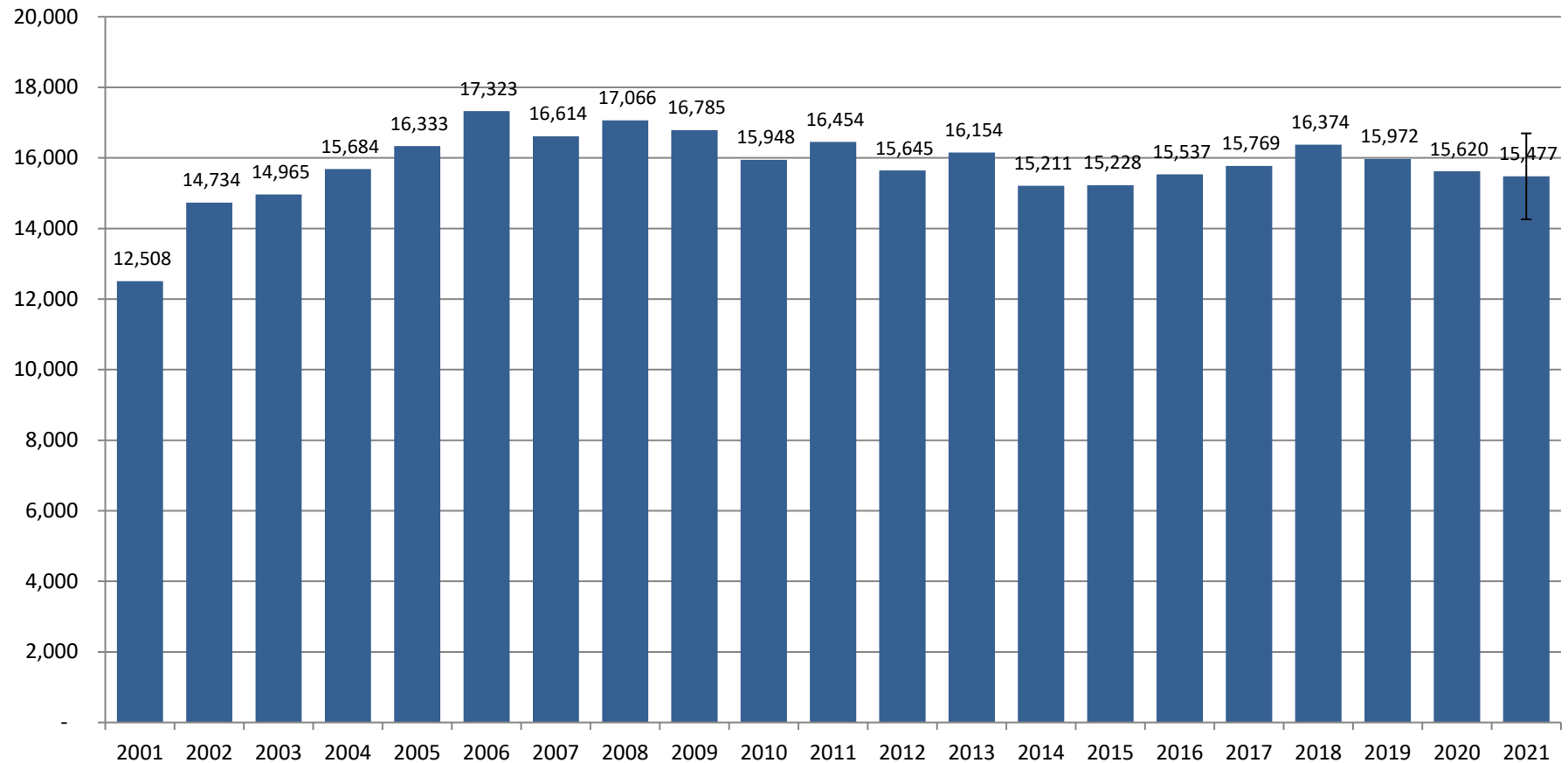
## Longitudinal Enrollment Trends

### Radiography

Year	ARRT approved programs	Percent of programs responding to survey with enrollment data	Mean number of students entering classroom	Estimated total students entering classroom	Mean attrition rate	Percent of programs not at full capacity	Mean additional students per program for those not at full capacity	Estimated total additional students for programs not at full capacity	Mean qualified students per program turned away	Estimated total qualified students turned away
2001	590	75.4%	21.2	12,508	21.6%	50.2%	.	.	.	.
2002	631	67.5%	23.4	14,734	23.6%	30.9%	8.7	1,696	31.6	13,778
2003	639	71.4%	23.4	14,965	21.6%	21.2%	5.8	786	46.8	23,565
2004	684	68.7%	22.9	15,684	20.5%	21.7%	7.5	1,113	55.1	29,510
2005	715	66.4%	22.8	16,333	18.1%	20.9%	7.4	1,106	50.9	28,787
2006	723	74.7%	24.0	17,323	18.4%	22.6%	7.0	1,144	59.2	33,128
2007	729	69.3%	22.8	16,614	17.8%	30.2%	7.1	1,563	56.8	28,902
2008	742	71.0%	23.0	17,066	21.1%	33.3%	8.4	2,076	50.4	24,944
2009	746	61.0%	22.5	16,785	20.8%	40.0%	3.7	1,104	43.4	19,426
2010	751	65.5%	21.2	15,948	23.3%	43.7%	7.6	2,490	39.1	16,528
2011	751	57.8%	21.9	16,454	25.8%	46.2%	7.6	2,637	37.1	14,978
2012	750	62.8%	20.9	15,645	29.1%	44.9%	8.3	2,785	39.5	16,336
2013	741	50.5%	21.8	16,154	27.9%	46.5%	7.8	2,688	36.3	14,391
2014	739	49.1%	20.6	15,211	31.2%	50.3%	7.2	2,682	34.1	12,522
2015	736	54.2%	20.7	15,228	36.7%	49.9%	8.7	3,195	27.7	10,214
2016	736	39.5%	21.1	15,537	18.2%	47.6%	6.6	2,326	23.6	9,102
2017	727	35.6%	21.7	15,769	18.5%	47.5%	8.3	2,849	30.8	11,756
2018	730	40.8%	22.4	16,374	15.0%	43.3%	7.1	2,235	26.6	11,002
2019	734	36.1%	21.8	15,972	16.5%	43.0%	6.1	1,922	23.2	9,694
2020	734	37.9%	21.3	15,620	15.6%	41.0%	6.3	1,905	21.4	9,254
2021	737	29.0%	21.0	15,477	12.7%	53.7%	7.0	2,770	25.2	8,599

**Estimated total number of students entering radiography programs:**

2021 Confidence Interval at the 95% Level =  $\pm 1,219$

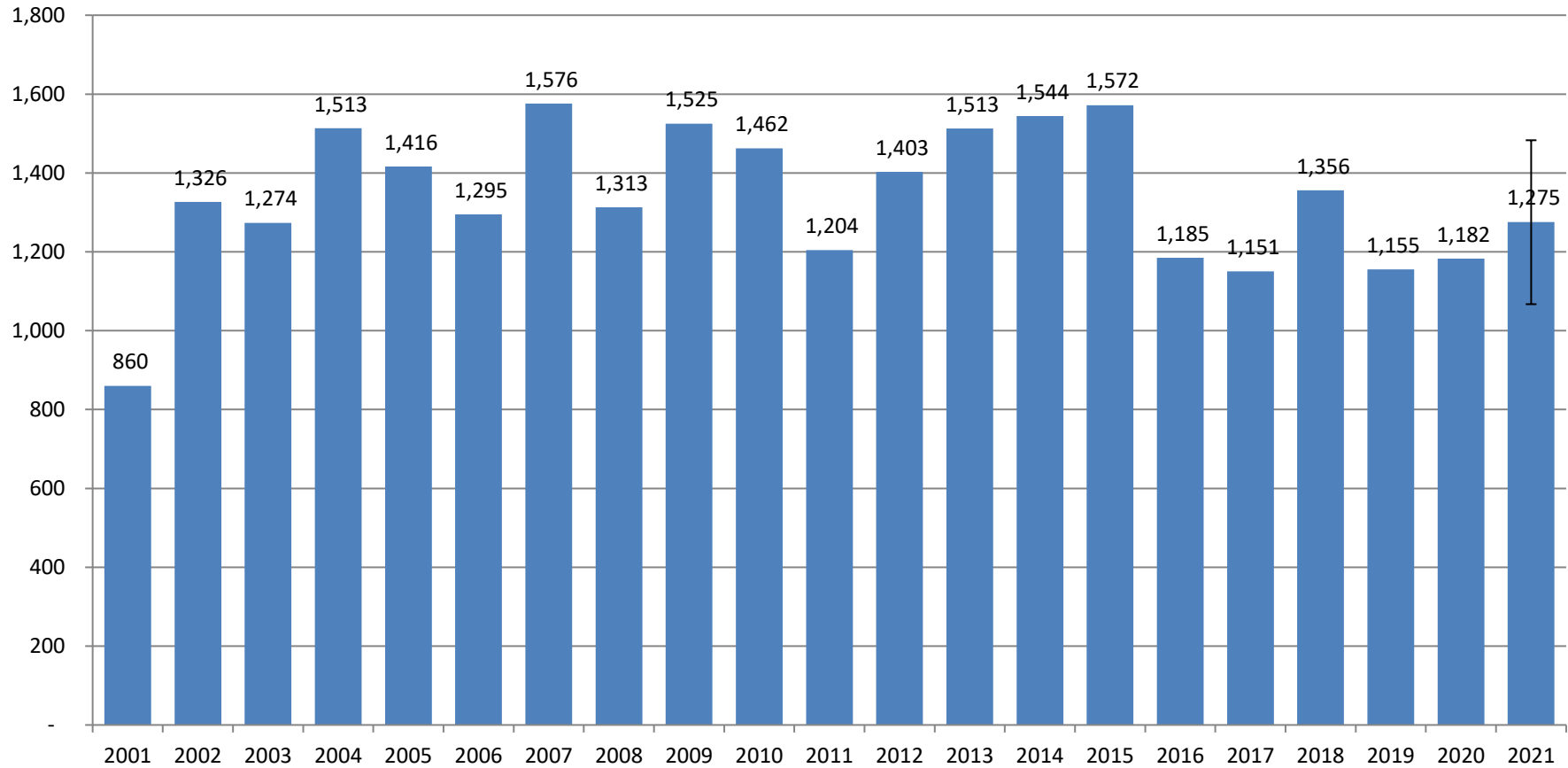


## Radiation Therapy

Year	ARRT approved programs	Percent of programs responding to survey with enrollment data	Mean number of students entering classroom	Estimated total students entering classroom	Mean attrition rate	Percent of programs not at full capacity	Mean additional students per program for those not at full capacity	Estimated total additional students for programs not at full capacity	Mean qualified students per program turned away	Estimated total qualified students turned away
2001	86	60.5%	10.0	860	18.1%	44.4%	.	.	.	.
2002	95	58.9%	14.0	1,326	11.1%	48.0%	5.7	260	9.1	450
2003	101	57.4%	12.6	1,274	18.0%	44.6%	4.4	198	13.6	761
2004	105	55.2%	14.4	1,513	11.9%	30.5%	12.5	400	13.4	978
2005	113	63.7%	12.5	1,416	16.8%	32.1%	3.4	123	24.5	1880
2006	118	68.6%	11.0	1,295	16.6%	49.3%	6.4	372	21.6	1292
2007	122	57.4%	12.9	1,576	15.2%	51.5%	6.3	396	13.3	787
2008	125	49.6%	10.5	1,313	14.4%	58.6%	4.5	330	33.0	1708
2009	122	50.8%	12.5	1,525	10.9%	55.5%	3.7	251	15.8	858
2010	122	58.2%	12.0	1,462	18.3%	49.3%	7.9	475	18.0	1112
2011	123	42.3%	9.8	1,204	21.9%	51.9%	6.1	388	14.3	846
2012	122	48.4%	11.5	1,403	18.9%	53.4%	6.9	451	14.4	818
2013	121	55.4%	12.5	1,513	21.8%	57.6%	5.7	397	17.1	877
2014	117	45.3%	13.2	1,544	26.5%	49.1%	6.2	355	15.7	935
2015	113	49.6%	13.9	1,572	24.6%	55.4%	7.1	444	14.8	746
2016	110	35.5%	10.8	1,185	7.3%	60.5%	4.6	309	11.3	492
2017	110	33.6%	10.5	1,151	10.0%	43.2%	5.2	247	16.0	998
2018	109	37.6%	12.4	1,356	9.4%	43.9%	7.7	369	29.0	1773
2019	106	29.2%	10.9	1,155	7.0%	58.1%	4.1	250	16.4	726
2020	107	36.4%	11.1	1,182	7.4%	68.0%	7.1	518	14.2	485
2021	109	33.0%	11.7	1,275	8.9%	33.3%	6.9	250	18.9	1374

**Estimated total number of students entering radiation therapy programs:**

2021 Confidence Interval at the 95% Level =  $\pm 208$

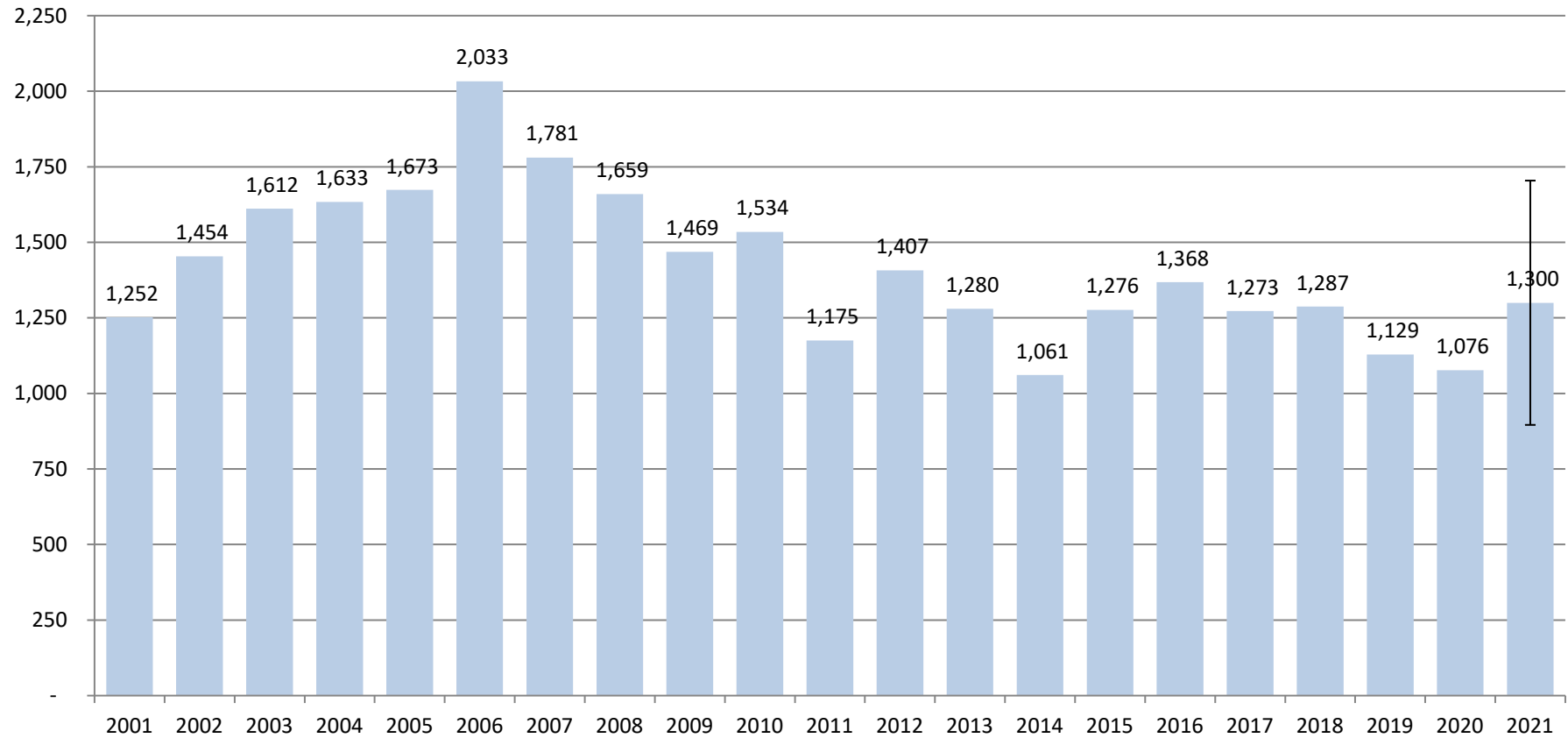


## Nuclear Medicine Technology

Year	ARRT approved programs	Percent of programs responding to survey with enrollment data	Mean number of students entering classroom	Estimated total students enrolled for all programs	Mean attrition Rate	Percent of programs not at full capacity	Mean additional students per program for those not at full capacity	Estimated total additional students for programs not at full capacity	Mean qualified students per program turned away	Estimated total qualified students turned away
2001	101	62.4%	12.4	1,252	11.8%	53.2%	.	.	.	.
2002	104	55.8%	14.0	1,454	8.0%	35.7%	6.7	249	19.7	1317
2003	111	59.5%	14.5	1,612	7.1%	33.3%	2.7	100	32.1	2377
2004	117	58.1%	14.0	1,633	9.8%	20.9%	3.6	88	24.4	2258
2005	122	57.4%	13.7	1,673	8.6%	30.6%	5.1	190	32.9	2786
2006	131	71.8%	15.5	2,033	10.2%	31.8%	5.7	237	30.2	2698
2007	132	56.8%	13.5	1,781	8.3%	39.7%	6.3	330	24.2	1926
2008	136	59.6%	12.2	1,659	12.3%	58.4%	10.0	794	18.2	1030
2009	136	48.5%	10.8	1,469	7.0%	63.0%	4.3	368	9.3	468
2010	136	48.5%	11.3	1,534	12.9%	78.8%	7.0	748	12.9	372
2011	134	47.0%	8.8	1,175	11.3%	82.5%	7.2	796	8.0	187
2012	134	56.7%	10.5	1,407	18.4%	73.0%	8.7	851	6.4	231
2013	128	46.9%	10.0	1,280	23.8%	76.1%	7.9	770	7.8	239
2014	125	42.4%	8.5	1,061	36.7%	79.2%	8.1	802	8.3	216
2015	122	50.8%	10.5	1,276	17.3%	68.9%	6.0	504	4.5	171
2016	120	33.3%	11.4	1,368	11.1%	67.5%	7.8	632	3.2	124
2017	117	27.4%	10.9	1,273	9.3%	71.9%	6.7	559	2.5	82
2018	117	23.1%	11.0	1,287	8.1%	59.3%	11.0	761	8.8	418
2019	116	22.4%	9.7	1,129	15.0%	53.8%	4.4	276	2.1	114
2020	116	21.6%	9.3	1,076	14.0%	46.4%	6.3	339	3.7	231
2021	115	21.7%	11.3	1,300	10.2%	52.0%	4.4	263	4.1	226

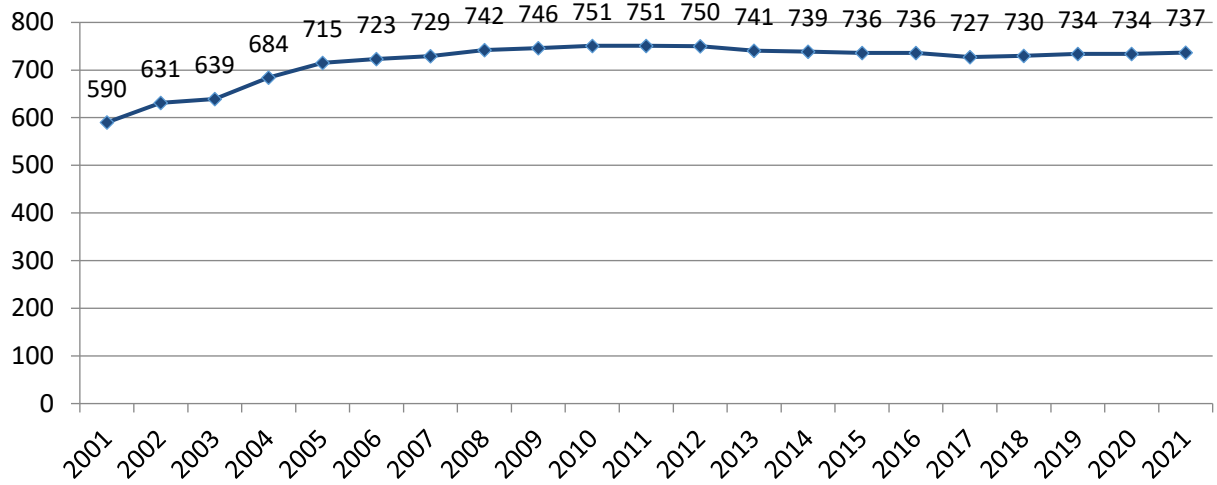
Estimated total number of students entering nuclear medicine technology programs:

2021 Confidence Interval at the 95% Level =  $\pm 404$

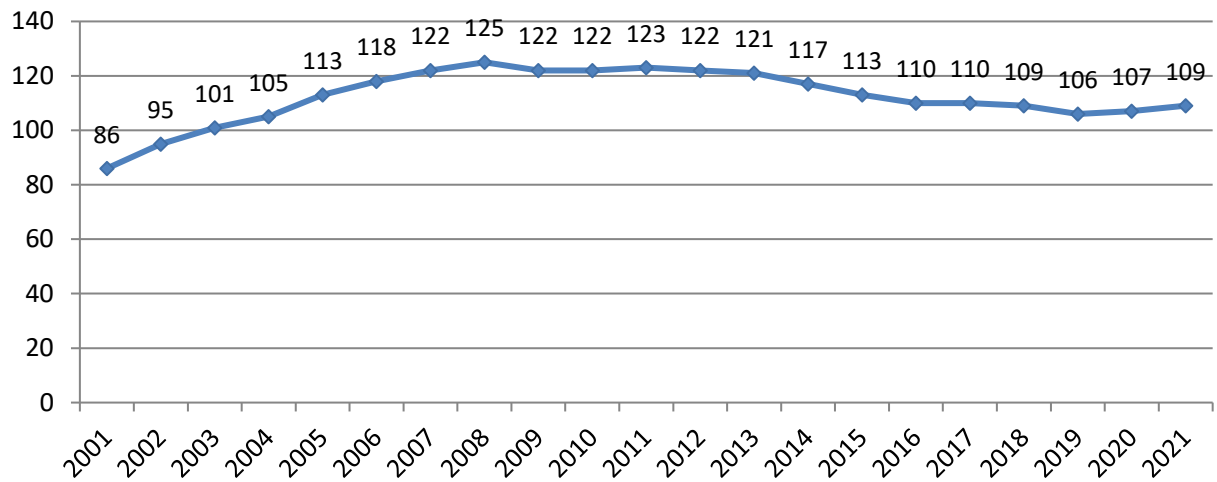


**Number of ARRT-approved programs by discipline:**

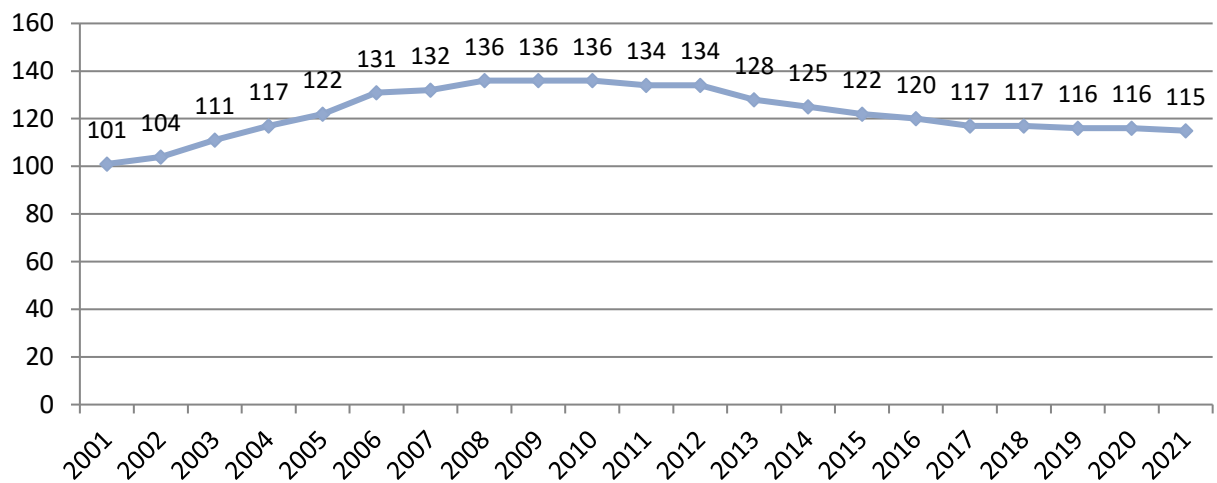
**Radiography**



**Radiation Therapy**



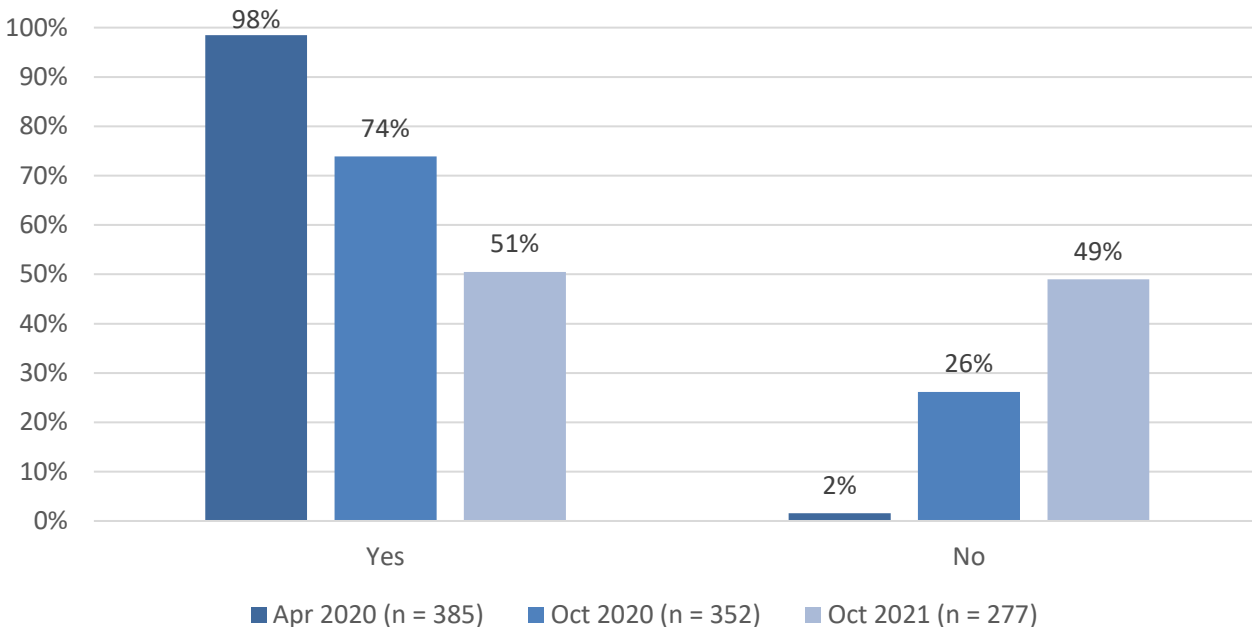
**Nuclear Medicine Technology**



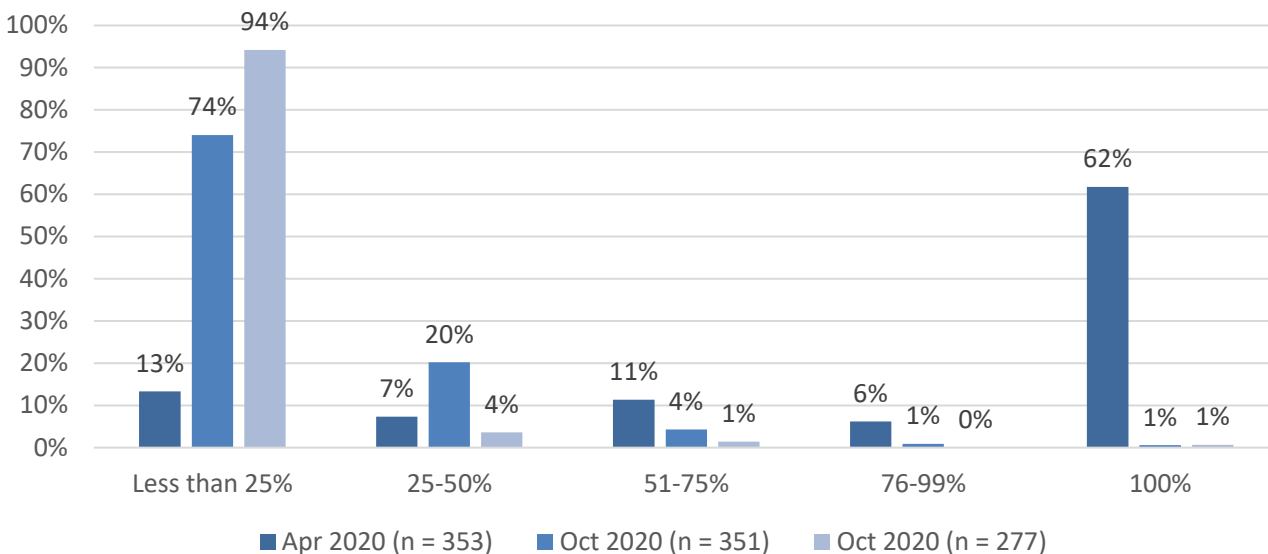
## COVID-19 Clinical Education Questions

Comparing the April 2020 COVID-19 Educational Survey and Oct 2020 Enrollment Survey.

Has the response to the COVID-19 virus reduced your ability to place students in a clinical rotation as you normally would?

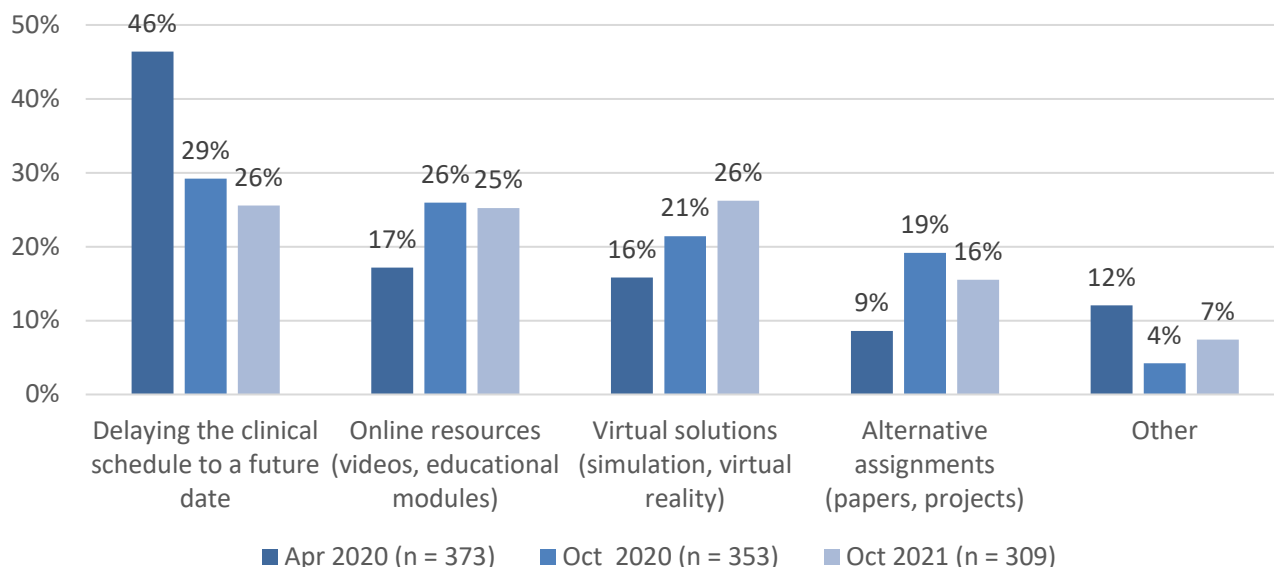


Approximately what percentage of the clinical rotation schedule has been eliminated due to COVID-19?



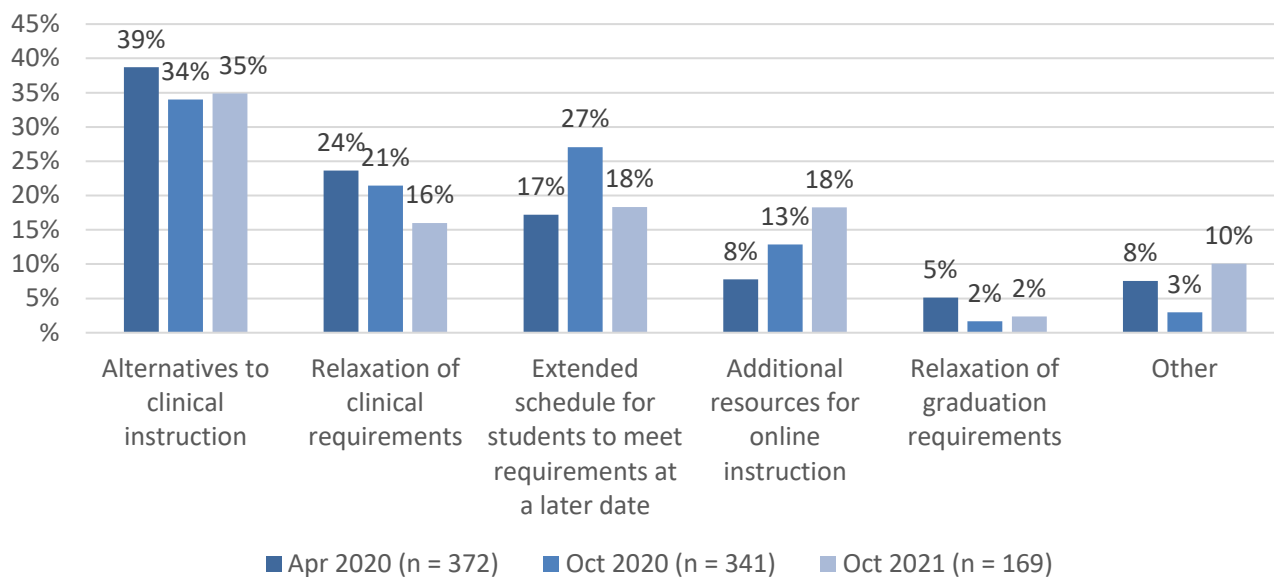


### What alternatives are your program using to compensate for the reduced clinical schedule?



\*\*Not applicable" eliminated from the calculation of the "other" percentages for 2021

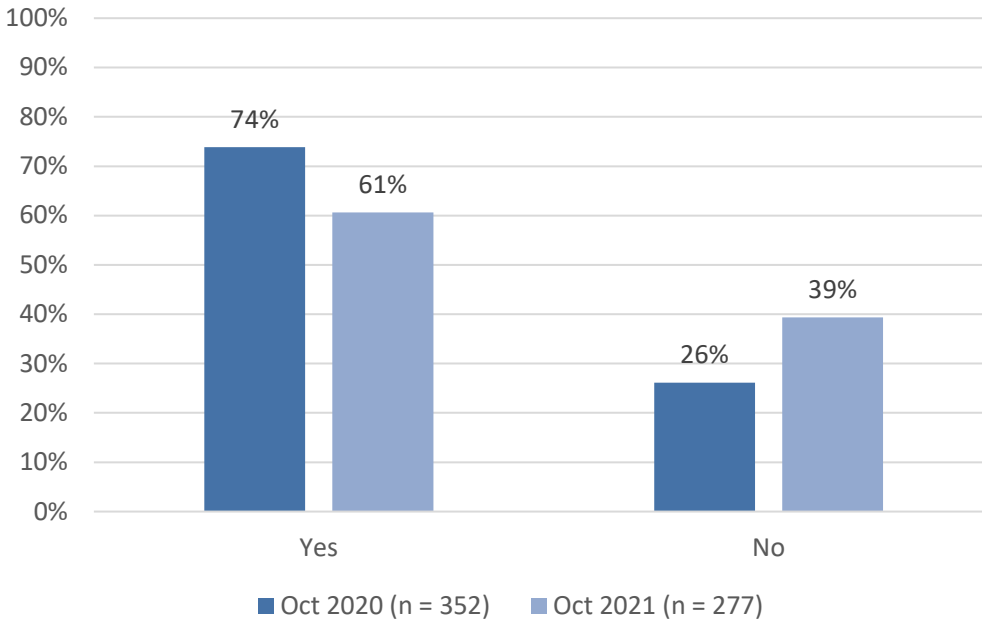
### What is the most immediate need for your program in order to respond to the reduced clinical schedule?



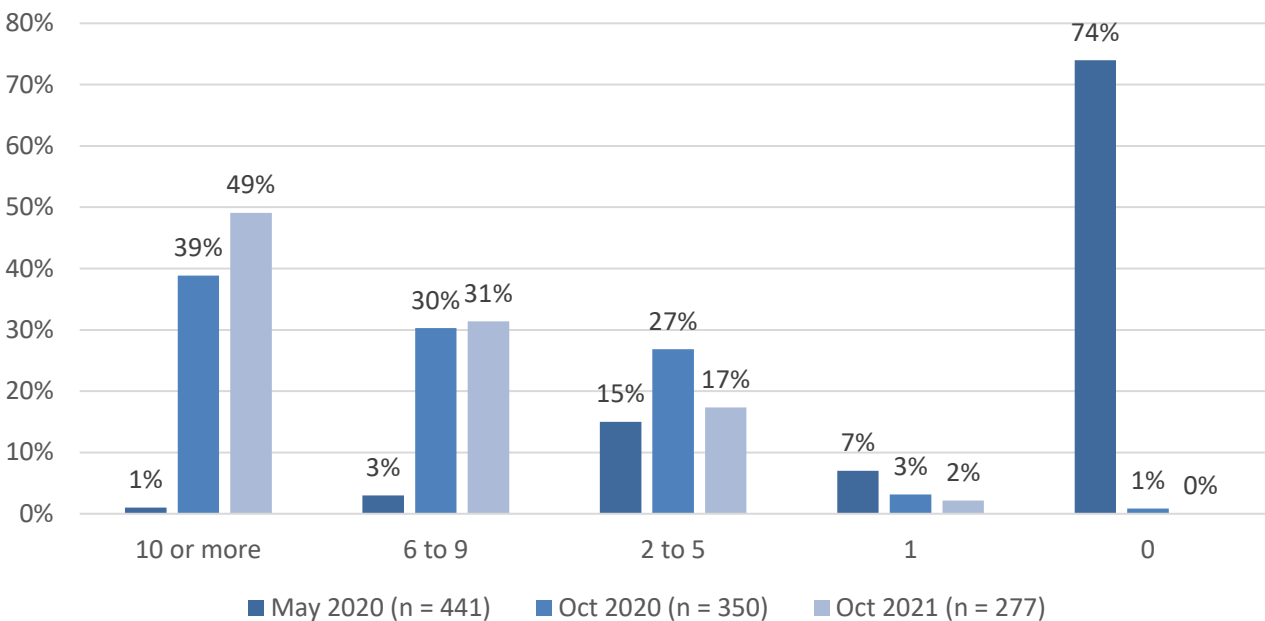
\*\*Not applicable" eliminated from the calculation of the "other" percentages for 2021

## Unique Questions (Enrollment Survey 2020)

Does your program allow students to perform examinations on known or suspected COVID-19 patients?



How many clinical sites are currently allowing students to complete clinical procedures at their site?<sup>2</sup>



<sup>2</sup> This question was originally asked by the ARRT in the May 2020 survey *Radiography Educational Program Director Survey Results & Analysis*