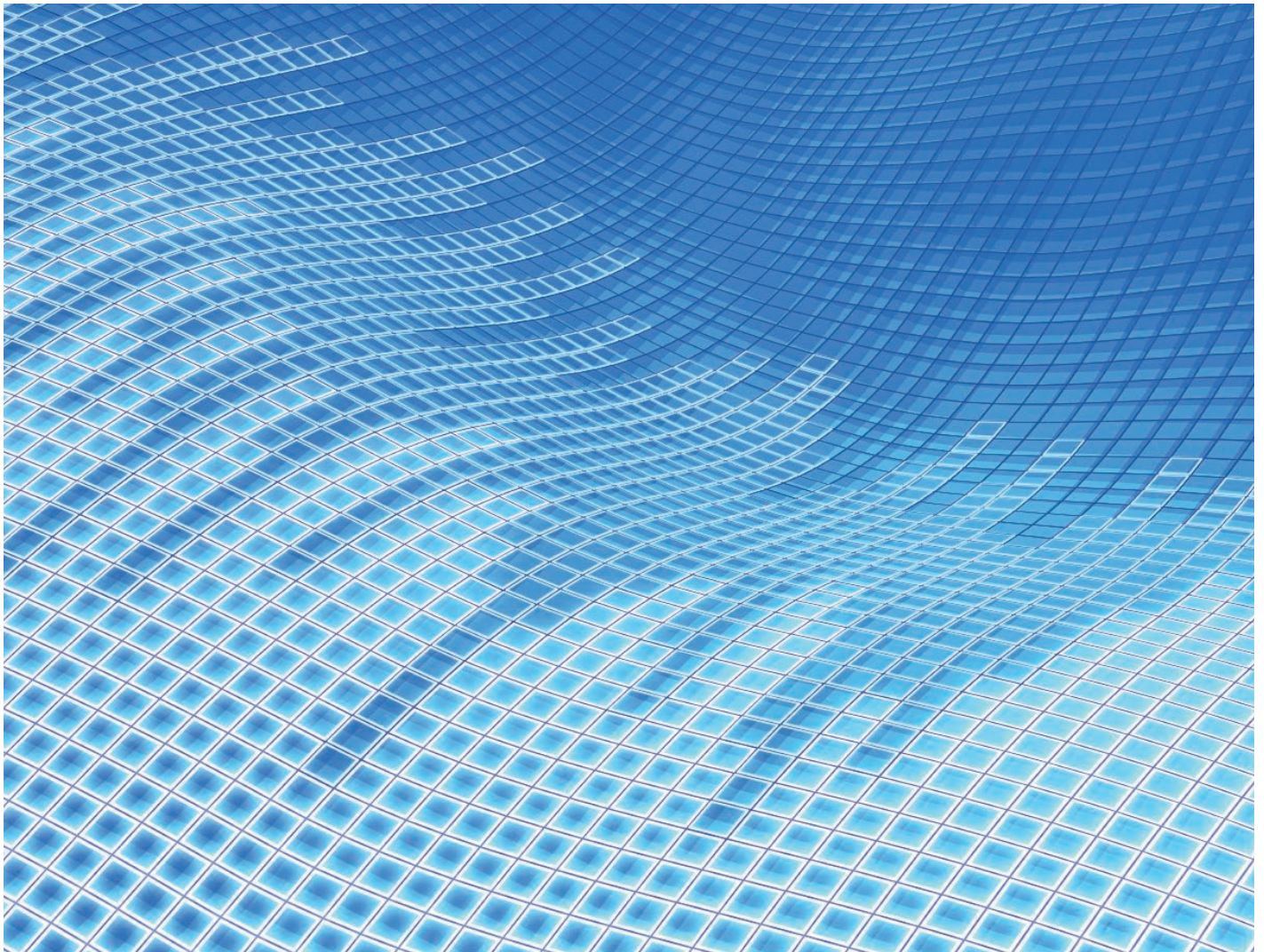


# Radiologic Technologist Wage and Salary Survey 2010

A Nationwide Survey of Registered Radiologic Technologists  
Conducted by the American Society of Radiologic Technologists

Reported June 2010



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## Executive Summary

The ASRT Wage and Salary Survey 2010 was made available in early February 2010 to a random sample of ARRT-registered radiologic technologists from each of the 50 states and the District of Columbia. The sample was drawn from the registrant database of the American Registry of Radiologic Technologists (registrants with active status), which numbered approximately 298,000 when the sample was drawn. A total of 29,558 surveys and invitations to take the survey were sent via e-mail or postal mail. From this sample, a total of 8,162 surveys were completed, yielding a return rate of approximately 28%. Volunteers also were invited to take the survey via the ASRT Web Site. This resulted in 906 participants voluntarily completing the survey. Thus, a total of 9,068 people completed the survey.

The results are reported with data weighted to account for deliberate oversampling of R.T.s working in less populated states and specialties. The oversampling ensured adequate samples from each state and each discipline. The weighting yields results representative of the distribution of ARRT registrants across the country when reported in total.

To keep the report at a minimal length, verbatim responses to open-ended questions were not included, but can be provided upon request.

### Compensation and Benefits

Overall mean full-time compensation for radiologic technologists across the nation was \$61,733, depending on discipline, position, workplace, education, years in the profession and other demographic factors.

- Mean full-time compensation was reported highest in California (\$82,753), Massachusetts (\$76,840), Washington, Rhode Island (\$75,399), Connecticut (\$74,763) and the District of Columbia (\$72,450).
- Mean full-time compensation was reported lowest in Alabama (\$49,531), North Dakota (\$51,930), West Virginia (\$52,380), Arkansas (\$52,691) and South Dakota (\$52,813).
- The disciplines yielding the highest compensation were registered radiologist assistant (\$100,004), medical dosimetry (\$95,279) and radiation therapy (\$79,125).
- The disciplines yielding the lowest compensation were radiography (\$53,953), bone densitometry (\$56,521) and mammography (\$60,263).

- About 77% of respondents do not receive employer funding for professional association dues, and 68% do not receive funds for conference registration fees.
- More than one-half (61.5%) of respondents do not receive employer-funded continuing education (CE) courses/materials.
- Mean full-time compensation for ASRT members was \$62,271. This was significantly higher than nonmembers, who had a mean full-time compensation of \$60,975 ( $t[6763]=39.16, P=.005$ ).
- Of the respondents, 54.5% reported that they are satisfied or very satisfied with their current compensation, but 21.3% indicated that they are dissatisfied or very dissatisfied.

### Demographics and the Workplace

The average registered radiologic technologist responding to the survey:

- Holds an associate degree (44.7%).
- Has been practicing in the profession for 17.8 years, 14.5 years in the current primary discipline and 9.34 years in the current position.
- Currently practices in a staff position (63.1%).
- Works 41.27 hours per work week in one of three employment settings: not-for-profit hospital (44.2%), clinic/physician's office (19.9%) and for-profit hospital (16.6%).
- Receives at least partial employer funding of life insurance (76.8%), health insurance (87.2%), dental insurance (76.8%), retirement/pension programs (86%) and tuition assistance (59.5%).
- Is a member of the ASRT (60.2%) and has been for 10.38 years.

### Discipline

Registered radiologic technologists who responded to this survey spend most of their workday practicing:

- Radiography (27.9%).
- Radiation therapy (9.8%).
- Mammography (11.1%).
- Computed tomography (11.2%).

First percentage cited in parentheses is weighted to ARRT state percentages, but not by discipline.

Note: All statistics (except for Ns and percents) are weighted to national ARRT population.

## Compensation and Demographics at a Glance

Compensation	
Overall full-time compensation	\$61,733
Most recent wage increase	2.8%
Paid for being on call	39.8%
Education	
Associate degree or lower	72.1%
Bachelor's degree or higher	27.9%
Years in Profession	
10 years or less	35.4%
11 years or more	64.6%
Position	
Staff	63.8%
Senior/Lead	14.2%
Supervisor/Manager	7.1%
Administrator	1.6%
Chief/Assistant Chief	3.6%

## Full-time Base Annual Compensation Comparison of 2004, 2007 and 2010

Discipline	2004		2007		2010	
	N	Mean [% increase] <sup>a</sup>	N	Mean [% increase]	N	Mean [% increase]
Overall	5552	\$52,091 .	7622	\$58,673 [12.6%]	6846	\$61,733 [5.2%]
Radiography	2423	\$46,238 .	2206	\$52,336 [13.2%]	1637	\$53,953 [3.1%]
Radiation Therapy	425	\$66,026 .	825	\$71,461 [8.2%]	660	\$79,125 [10.7%]
Nuclear Medicine	234	\$62,269 .	576	\$69,083 [10.9%]	522	\$70,822 [2.5%]
Sonography	279	\$54,178 .	522	\$63,406 [17.0%]	510	68,821 [8.5%]
Mammography	550	\$49,281 .	763	\$56,605 [14.9%]	629	\$60,263 [6.5%]
Cardiovascular Interventional Technology	336	\$55,012 .	641	\$61,294 [11.4%]	609	\$64,614 [5.4%]
Computed Tomography	568	\$52,704 .	854	\$57,927 [9.9%]	792	\$60,586 [4.6%]
Magnetic Resonance Imaging	490	\$56,007 .	765	\$61,928 [10.6%]	679	\$65,098 [5.1%]
Quality Management	38	\$57,467 .	73	\$64,789 [12.7%]	98	\$71,251 [10.0%]
Medical Dosimetry	78	\$76,636 .	152	\$87,188 [13.85%]	118	\$95,279 [9.3%]

<sup>a</sup>Decimal Point = Not Available

## Introduction

The American Society of Radiologic Technologists (ASRT) is the largest radiologic science membership organization in the world. Founded in 1920, the Society has grown to more than 135,000 members. The mission of the organization is to advance the medical imaging and radiation therapy profession and to enhance the quality of patient care. Every three years the ASRT conducts a wage and salary survey of radiologic technology professionals.

The objective of this ongoing study was to measure income, benefits, satisfaction and other demographics of radiologic technologists at the national level. The primary purpose of this year's wage and salary survey was to monitor changes in compensation for the radiologic technologist over time.

### Methodology

The ASRT developed the research methodology and survey questionnaire, conducted the mailing and performed the data analysis. The American Registry of Radiologic Technologists (ARRT) contributed to the effort, providing postal addresses for random samples of ARRT registrants from all 50 states and the District of Columbia. Registrants were selected from among eleven primary disciplines/specialties in accordance with the sampling design outlined below.

The survey consisted of a six-page hard-copy questionnaire and a corresponding online version that is reproduced in Appendix A of this report. An invitation to participate in the survey by completing the online questionnaire was sent by e-mail or mail in February 2010 to each of the R.T.s in the random samples drawn by the ARRT. In addition, the ASRT announced availability of the online questionnaire on the Society's Web site; R.T.s not included in the random sample were invited to participate in the online version of the questionnaire. To ensure representative results, "volunteer" returns were kept separate from the responses of R.T.s in the random samples and were not combined with them until any systematic differences between volunteer and random-sample returns were identified and adjusted.

Because of deliberate oversampling of R.T.s from smaller states and specialties, there were substantial, statistically significant differences between the volunteer respondents and the random-sample R.T.s in the percentage from each state and each discipline. However, there were no statistically significant differences between volunteer and invited participants from a particular discipline or a particular state in their mean compensation. The application of weights based on the ratio of the known population percentage of R.T.s in each discipline and in each state to the percentage of the combined volunteer-invitee sample was therefore deemed adequate to

provide unbiased estimates of wages, salaries, benefits and satisfaction in the population of ARRT registrants.

Five \$100 Visa gift cards were offered as an incentive to participate in the survey for invited respondents who completed the survey online.

### Sample Design

To ensure an adequate sample of technologists from each state and from each of the 11 most common disciplines, plus a residual category consisting of all other specialties, as specified the following sampling scheme:

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#### Sampling Plan for Wage and Salary Survey 2010

Primary sphere of employment	Active (full-time or part-time) ARRT registrants to be selected for 2010 sample
Radiography	Random sample of 120 registrants from each of the 50 states.
CT MR Mammography Sonography (including BS,VS) Interventional (CV,CI,VI) Radiation Therapy Nuclear Medicine	For each state, whichever is smaller, all registrants in the state listing that discipline (or, in the case of sonography and interventional, set of specialties) as their primary sphere of employment or a random sample of 60 such registrants.
Bone Densitometry Quality Management Fusion, Other	For each state, whichever is smaller, all registrants in the state listing that discipline (or, in the case of "Fusion, Other", set of specialties) as their primary sphere of employment or a random sample of 30 such registrants.

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#### Two Additional Sets of Registrants To Be Selected

All active registrants who list the District of Columbia as their state.

All active registrants who list radiologist assistant as their primary sphere of employment.

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Appendix B (Weights) shows the number of questionnaires received from each state and the number received from respondents working in the various specialties, together with the resulting weights applied to these states and disciplines so as to adjust results to the target population of all active ARRT registrants.

## Considerations

All results for which population values were not already known are reported both as observed in the sample and in terms of estimated population values. Weights (computed as the ratio between the known population percentage of ARRT-registered R.T.s in each state or discipline and the observed percentage of such R.T.s in the sample) were used to correct for a deliberate over-representation of relatively underpopulated states and specialties. Respondents who did not answer the workplace state question (and whose workplace state could not be inferred from reported ZIP code or the postmark on the reply envelope) were given a state weight of 1 in the weighted calculations. Similarly, respondents who did not report a primary discipline (or who reported more than one “primary” discipline) were assigned a discipline weight of 1. Thus, the weighted results reported are the best estimates of the summary statistics that would have been obtained had 9,905 observations been taken at random (without regard to state or discipline) from the entire database of active ARRT registrants.

The use of random sampling within each state/discipline combination, together with the fairly high number of respondents, makes it unlikely that systematic differences in response rates as a function of other variables (e.g., type of workplace or full-time status), skewed the results. However, the membership of the ASRT at the time the sample was drawn represented approximately one-half of the ARRT registrant database. About 60% of the survey respondents were members of the ASRT.

This research project follows the 2007, 2004, 2001, 1997 and 1992 Wage and Salary Surveys conducted by the ASRT. Much of the material and structure for the 2010 survey were based on the format of the earlier surveys. Ideally, periodic longitudinal measurement of these variables would provide optimal responsiveness to changes in the profession. Practical considerations make it unlikely that a project of this size can be carried out more often than at three-year intervals, but the data on percentage increase in compensation at the most recent raise can be used to estimate likely wages and salaries between surveys.

### Primary Dependent Variable: Annualized Compensation

Previous ASRT Wage and Salary Surveys have reported separately wages paid to R.T.s by the hour and salaries paid to R.T.s on an annual basis. However, nearly one-half of respondents reported both a base annual salary and a base hourly wage. This, along with a desire to maximize the number of respondents for whom a meaningful base annual compensation figure could be computed, led to adoption of a single compensation measure of yearly salary for this year’s report. This was computed as follows:

**Base compensation = base annual salary or 2080\*  
(Base hourly wage)**

**To determine hourly wage, Annual compensation/2080  
(or number of hours worked per year)**

Respondents who reported both a base annual salary and a base hourly wage but for whom the two reports disagreed by \$1 per hour or more were assigned a missing value on this dependent variable. Where the two reports differed by less than \$1 per hour, base compensation was computed as the simple mean of base annual salary and 2080\*(base hourly wage).

### Data Reliability

A number of steps were taken to ensure the reliability and validity of the responses as recorded. Hard-copy returns were recorded by applying an optical character recognition (OCR) program to scanned copies of the returns. The scanning/OCR procedure included on-screen verification or correction of responses deemed by the OCR routine to be ambiguous. Cases with missing data on crucial independent and dependent variables were checked against the hard-copy questionnaires, and responses that had been missed by the OCR method were entered into the data file by hand. Possible outliers (responses to quantitative questions such as hours worked or annual salary that were extremely small, extremely large or logically impossible) also were compared to the hard-copy questionnaire and corrected.

Following the above steps, both hard-copy and online responses were examined for logically impossible or implausible values of individual variables and for internally inconsistent responses to sets of variables. Such implausible values were assigned a special code and omitted from computation of descriptive statistics. In particular, the following implausibility criteria were used:

**Number of years in the profession (radiologic sciences), in primary discipline and in current position:** Implausible if years in primary discipline greater than years in the radiologic sciences or years in current position more than five years greater than years in the profession (allowing for having held current position while in primary education program) or if response implies respondent entered the profession, the discipline or the current position before age 15.

**Base hourly wage:** Implausible if < \$10/hour or > \$100/hour.

**Base annual salary:** Implausible if < \$24,000; or a staff technologist > \$200,000; or staff, senior, lead, assistant chief or chief technologist > \$300,000.

**State:** Indeterminate if reported workplace state and the

state implied by workplace ZIP code differed and referred to adjacent states. If they referred to nonadjacent states, state implied by ZIP code took precedence unless the reported ZIP code could have resulted from a simple, single-digit typographical error in entering a ZIP code within the reported state.

**Years an ASRT member:** Implausible if years as member exceed number of years the organization has existed or exceed years in the profession by more than five years.

**Approximate age (2009.15 – year of birth):** Implausible if  $< 16$  or  $> 100$ .

**Amount extra per hour paid for being on call:** The wide variability in the responses to this question made it difficult to compute meaningful statistics.

### Margin of Error

A total of 9,068 surveys were returned. This sample size yields a margin of error for overall percentages (width of the 95% confidence interval for the population percentage) of a maximum  $\pm 1.0\%$ . The overall standard deviation of base annual compensation for the 6,806 full-time respondents is \$18,601, so the estimate of the mean base annual compensation for these respondents has a 95% chance of being within \$225 of the actual population mean for all ARRT-certified R.T.s.

For percentages computed on subsets of respondents, the margin of error increases as the square root of the size of the subset. Thus, the margin of error for percentages based on a subset of 2,100 respondents would be  $\pm 2.2\%$  or less. For a subset of 30 respondents it would be  $\pm 18.3\%$  or less. Finally, percentages based on a subgroup of only 10 R.T.s could have a margin of error as large as  $\pm 32\%$ . Nevertheless, rather than ignoring results for smaller subgroups, the results are presented as respondents reported, yet figures may not be representative of the larger population.

Margin of error for compensation also increases as the square root of sample size decreases, although this is offset somewhat by the tendency for the standard deviation to be smaller for subsets of R.T.s defined by their scores on relevant predictors. Ignoring that effect, the margin of error for the mean annual compensation of a subset of 30 R.T.s could be as large as  $\pm \$3,396$ .

### The Report

This report summarizes the results for each question in the survey except the rate at which a person is paid for being on call due to the wide variability in the responses to this question for meaningful statistics to be computed. As in the 2004 and 2007 reports, compensation information is compared by discipline. These groups are further divided by job position, workplace, education, years in the profession and state.

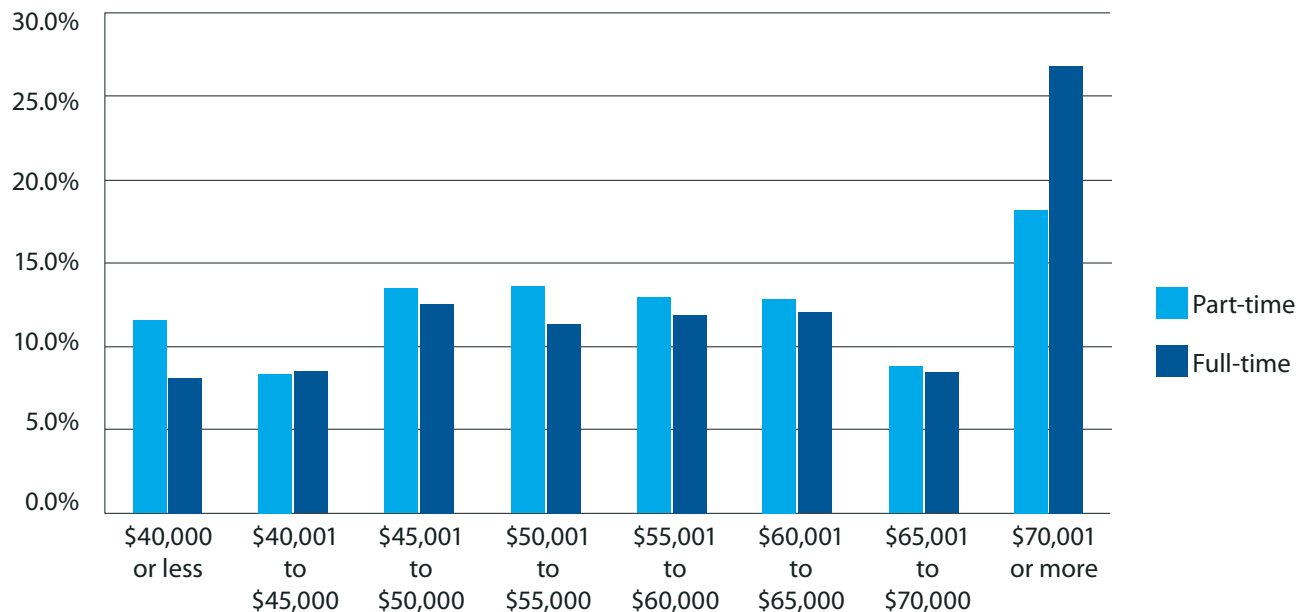
## Annual Compensation

Annual Compensation = reported base annual salary or 2080\*(reported base hourly wage)  
 To determine hourly wage, annual compensation/2080 (or number of hours worked per year)

### Compensation of Full-time vs. Part-time R.T.s

Compensation	Part-time (Less than 32 hours/week)	Full-time (32 or more hours/week)	Total
\$40,000 or less	11.6%	8.1%	8.6%
\$40,001 to \$45,000	8.2%	8.5%	8.5%
\$45,001 to \$50,000	13.8%	12.6%	12.8%
\$50,001 to \$55,000	13.8%	11.3%	11.7%
\$55,001 to \$60,000	12.9%	12.0%	12.1%
\$60,001 to \$65,000	12.8%	12.1%	12.2%
\$65,001 to \$70,000	8.8%	8.6%	8.6%
\$70,001 or more	18.2%	26.8%	25.5%
<b>N</b>	<b>1,202</b>	<b>6,846</b>	<b>8,048</b>
<b>Mean</b>	<b>\$57,925</b>	<b>\$61,733</b>	<b>\$61,151</b>
<b>Median</b>	<b>\$56,151</b>	<b>\$58,498</b>	<b>\$58,249</b>

### Compensation by Full-time vs. Part-time



Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.



### Full-time Compensation by Overall, Position and Workplace for each Discipline<sup>a</sup>

	R	T	N	M	CV	CT	MR	QM	S	MD	RRA/RPA	BD	Overall
<b>Overall</b>													
N	1637	660	522	629	609	792	679	98	510	118	50	59	6,363
Mean	\$53,953	\$79,125	\$70,822	\$60,263	\$64,614	\$60,586	\$65,099	\$71,251	\$68,821	\$95,279	\$100,004	\$56,521	\$61,190
Median	\$50,149	\$76,376	\$68,741	\$58,428	\$62,691	\$58,854	\$62,884	\$68,330	\$66,593	\$98,092	\$99,843	\$55,735	\$58,265
<b>Mean by Position</b>													
Staff technologist/therapist	\$49,633	\$70,679	\$67,698	\$57,363	\$60,655	\$57,239	\$61,663	\$61,755	\$66,247	\$85,590	\$104,000	\$56,194	\$56,405
Senior/lead technologist/therapist	\$54,197	\$84,011	\$73,339	\$62,462	\$70,944	\$66,056	\$69,055	\$64,727	\$72,010	\$83,172	\$76,906	\$49,843	\$65,573
Assistant chief technologist/therapist	\$55,954	\$88,459	\$72,436	\$54,237	\$65,197	\$74,070	\$44,720	\$97,799	\$73,316	\$79,040	\$92,500	.	\$64,824
Chief technologist/therapist	\$60,270	\$92,980	\$73,831	\$62,317	\$67,858	\$69,133	\$65,595	\$69,224	\$76,445	\$96,571	\$104,268	\$54,324	\$71,064
Supervisor/manager	\$64,673	\$98,182	\$80,330	\$71,023	\$76,221	\$70,922	\$75,234	\$75,247	\$79,640	\$96,222	\$92,843	\$73,114	\$73,423
Administrator	\$85,227	\$115,191	\$86,206	\$71,031	\$93,225	\$88,204	\$83,643	\$84,302	.	\$111,280	.	\$77,000	\$93,355
Instructor/faculty	\$60,044	\$69,440	\$77,727	\$35,776	\$66,441	\$57,385	\$70,556	\$85,000	\$64,888	\$62,400	.	.	\$60,936
Program director	\$80,863	\$82,407	\$100,945	\$89,574	\$63,861	\$104,947	\$66,912	\$68,138	\$72,075	.	.	.	\$80,577
Corporate representative	\$113,820	\$120,334	\$62,288	\$73,900	\$77,000	\$105,000	\$102,268	\$61,755	\$80,000	\$136,586	.	\$76,000	\$105,872
Other Position	\$66,804	\$88,412	\$67,698	\$66,680	\$66,421	\$81,953	\$46,134	\$64,727	\$85,020	\$102,669	\$100,760	\$47,985	\$82,557
<b>Mean by Workplace</b>													
Education	\$69,267	\$76,937	\$68,453	\$48,170	\$62,121	\$58,289	\$66,797	\$72,800	\$70,530	\$75,807	.	\$37,000	\$68,562
Clinic or physician's office	\$46,498	\$75,591	\$70,356	\$57,438	\$59,863	\$56,769	\$62,452	\$58,782	\$69,562	\$86,885	\$96,578	\$52,910	\$55,299
Hospital (not for profit)	\$57,115	\$82,785	\$71,812	\$60,406	\$65,558	\$61,345	\$65,689	\$71,761	\$70,596	\$98,437	\$98,289	\$56,191	\$64,409
Hospital (for profit)	\$52,057	\$74,946	\$66,483	\$62,908	\$63,149	\$58,933	\$62,120	\$70,655	\$62,226	\$92,463	\$100,771	\$66,323	\$59,315
Mobile unit	\$45,297	\$66,560	\$67,308	\$52,989	\$69,347	\$58,032	\$61,763	.	\$89,392	.	.	\$51,998	\$53,205
Imaging center/outpatient imaging facility	\$53,321	\$82,840	\$74,290	\$60,633	\$65,827	\$60,205	\$65,550	\$74,519	\$67,243	.	\$105,923	\$55,940	\$62,354
Government/VA hospital	\$57,627	\$65,623	\$68,131	\$58,959	\$56,942	\$64,395	\$60,390	\$60,825	\$56,533	\$109,792	.	\$80,000	\$62,154
Locum tenens (temporary staff)	\$53,811	\$91,329	\$66,727	\$73,271	\$66,560	.	\$47,840	.	\$63,169	\$116,069	\$105,000	.	\$72,459
Industrial	\$65,108	\$134,000	\$99,433	.	.	.	.	\$83,000	\$91,525	\$143,000	.	.	\$110,200
Corporate	\$104,826	\$103,149	.	\$73,900	\$71,521	\$95,468	\$100,313	\$85,000	\$84,433	\$104,000	.	\$65,872	\$95,547
Other Workplace	.	.	.	\$72,093	\$47,840	.	.	.	\$53,000	.	.	\$49,608	\$57,501

<sup>a</sup>R=radiography; T=radiation therapy; N=nuclear medicine; M=mammography; CV=cardiovascular/interventional; CT=computed tomography; MR=magnetic resonance; QM=quality management; S=sonography; MD=medical dosimetry; RRA=registered radiologist assistant; RPA=radiology practitioner assistant; BD=bone densitometrist. Decimal point=not available.

### Full-time Compensation by Overall, Education and Years in Profession for Each Discipline<sup>a</sup>

	R	T	N	M	CV	CT	MR	QM	S	MD	RRA/RPA	BD	Overall
<b>Overall</b>													
N	1637	660	522	629	609	792	679	98	510	118	50	59	6,363
Mean	\$53,953	\$79,125	\$70,822	\$60,263	\$64,614	\$60,586	\$65,099	\$71,251	\$68,821	\$95,279	\$100,004	\$56,521	\$61,190
Median	\$50,149	\$76,376	\$68,741	\$58,428	\$62,691	\$58,854	\$62,884	\$68,330	\$66,593	\$98,092	\$99,843	\$55,735	\$58,265
<b>Mean by Education</b>													
High school + certificate(s)	\$54,173	\$81,789	\$72,096	\$58,881	\$64,798	\$59,509	\$65,551	\$64,062	\$70,523	\$87,391	\$99,000	\$54,701	\$60,915
Associate degree	\$50,800	\$77,331	\$70,850	\$60,205	\$64,053	\$60,679	\$65,485	\$71,506	\$67,732	\$94,616	\$108,900	\$54,280	\$58,836
Bachelor's degree	\$55,063	\$77,419	\$69,980	\$62,898	\$64,117	\$61,245	\$63,573	\$69,818	\$69,106	\$98,003	\$98,168	\$61,893	\$65,625
Master's degree	\$76,803	\$92,480	\$73,708	\$58,312	\$69,435	\$60,659	\$72,519	\$82,862	\$69,069	\$90,695	\$99,682	\$103,376	\$77,631
Doctoral degree	\$79,833	.	.	.	.	\$69,202	.	\$75,000	.	.	.	.	\$78,006
Other education	\$55,813	\$76,081	\$64,935	\$90,215	\$85,048	\$66,116	\$64,965	.	\$64,637	\$78,000	\$100,004	.	\$65,211
Instructor/faculty	\$60,044	\$69,440	\$77,727	\$35,776	\$66,441	\$57,385	\$70,556	\$85,000	\$64,888	\$62,400	.	.	\$60,936
Program director	\$80,863	\$82,407	\$100,945	\$89,574	\$63,861	\$104,947	\$66,912	\$68,138	\$72,075	.	.	.	\$80,577
Corporate representative	\$113,820	\$120,334	\$62,288	\$73,900	\$77,000	\$105,000	\$102,268	\$61,755	\$80,000	\$136,586	.	\$76,000	\$105,872
Other Position	\$66,804	\$88,412	\$67,698	\$66,680	\$66,421	\$81,953	\$46,134	\$64,727	\$85,020	\$102,669	\$100,760	\$47,985	\$82,557
<b>Mean by Years in Profession</b>													
0 to 2 years	\$44,439	\$57,427	\$59,441	\$42,458	\$52,995	\$46,156	\$50,350	.	\$55,921	\$54,528	\$70,000	\$46,000	\$46,424
3 to 5 years	\$44,940	\$65,947	\$61,425	\$54,335	\$52,156	\$51,438	\$52,587	\$57,785	\$56,566	\$64,821	\$101,585	\$35,673	\$49,699
6 to 10 years	\$51,169	\$70,813	\$66,961	\$55,285	\$58,323	\$55,920	\$58,758	\$59,443	\$61,847	\$90,476	\$86,165	\$34,877	\$57,062
11 to 15 years	\$54,750	\$83,970	\$73,070	\$59,112	\$67,871	\$63,997	\$66,385	\$64,683	\$67,289	\$87,171	\$102,960	\$62,815	\$63,716
16 to 20 years	\$59,396	\$92,092	\$71,938	\$59,595	\$67,620	\$64,848	\$64,680	\$78,488	\$68,517	\$98,195	\$104,545	\$52,597	\$66,674
21 to 30 years	\$60,598	\$85,255	\$75,245	\$63,941	\$70,889	\$66,809	\$72,202	\$73,410	\$72,447	\$101,976	\$120,104	\$63,452	\$68,806
> 30 years	\$64,201	\$88,244	\$73,770	\$61,741	\$69,991	\$63,824	\$73,589	\$72,059	\$76,456	\$101,559	\$96,457	\$61,666	\$69,238
Locum tenens (temporary staff)	\$53,811	\$91,329	\$66,727	\$73,271	\$66,560	.	\$47,840	.	\$63,169	\$116,069	\$105,000	.	\$72,459
Industrial	\$65,108	\$134,000	\$99,433	.	.	.	.	\$83,000	\$91,525	\$143,000	.	.	\$110,200
Corporate	\$104,826	\$103,149	.	\$73,900	\$71,521	\$95,468	\$100,313	\$85,000	\$84,433	\$104,000	.	\$65,872	\$95,547
Other Workplace	.	.	.	\$72,093	\$47,840	.	.	.	\$53,000	.	.	\$49,608	\$57,501

<sup>a</sup>R=radiography; T=radiation therapy; N=nuclear medicine; M=mammography; CV=cardiovascular/interventional; CT=computed tomography; MR=magnetic resonance; QM=quality management; S=sonography; MD=medical dosimetry; RRA=registered radiologist assistant; RPA=radiology practitioner assistant; BD=bone densitometrist. Decimal point=not available.

Note: All statistics (except for Ns and percents) are weighted to national ARRT population.

### Full-time Compensation by Overall and State for Each Discipline<sup>a</sup>

	R	T	N	M	CV	CT	MR	QM	S	MD	RRA/RPA	BD	Overall
<b>Overall</b>													
N	1637	660	522	629	609	792	679	98	510	118	50	59	6,363
Mean	\$53,953	\$79,125	\$70,822	\$60,263	\$64,614	\$60,586	\$65,099	\$71,251	\$68,821	\$95,279	\$100,004	\$56,521	\$61,190
Median	\$50,149	\$76,376	\$68,741	\$58,428	\$62,691	\$58,854	\$62,884	\$68,330	\$66,593	\$98,092	\$99,843	\$55,735	\$58,265
<b>Mean by State</b>													
AK	\$60,220	\$77,480	\$76,710	\$76,413	\$64,802	\$69,632	\$83,654	\$72,800	\$78,464	\$114,000	.	\$60,237	\$69,558
AL	\$42,312	\$67,255	\$60,037	\$52,078	\$54,561	\$51,009	\$54,723	\$54,101	\$49,254	\$105,269	.	.	\$49,531
AR	\$45,443	\$77,271	\$63,424	\$45,445	\$52,587	\$54,044	\$55,344	\$42,598	\$59,816	\$67,933	.	.	\$52,691
AZ	\$57,404	\$89,261	\$73,499	\$68,382	\$67,974	\$65,634	\$76,154	\$75,773	\$77,430	.	.	\$63,918	\$66,740
CA	\$75,363	\$102,825	\$88,766	\$77,110	\$85,106	\$79,452	\$98,260	\$103,689	\$85,516	\$121,295	\$116,413	\$78,541	\$82,753
CO	\$49,190	\$87,286	\$70,403	\$60,363	\$63,235	\$60,562	\$70,933	.	\$69,148	\$107,640	\$102,250	\$94,016	\$60,976
CT	\$65,070	\$90,902	\$86,415	\$73,335	\$80,110	\$68,058	\$89,328	\$77,911	\$80,656	.	.	.	\$74,763
DC	\$61,342	\$77,847	.	\$80,326	\$81,520	\$91,520	\$80,954	.	\$92,414	\$106,829	.	.	\$72,450
DE	\$59,076	\$103,785	\$69,227	\$62,405	\$64,563	\$68,508	\$64,913	\$99,486	\$79,258	\$94,848	\$81,952	.	\$64,069
FL	\$54,787	\$72,698	\$66,464	\$55,194	\$60,481	\$56,891	\$61,662	\$76,411	\$75,535	\$99,239	\$98,600	\$36,400	\$59,743
GA	\$52,876	\$67,650	\$61,314	\$61,343	\$56,096	\$60,060	\$60,264	\$63,134	\$62,451	\$92,010	\$98,800	\$66,102	\$58,433
HI	\$62,453	\$84,307	\$80,049	\$64,941	\$77,530	\$70,233	\$78,419	\$51,834	\$83,658	.	.	.	\$71,646
IA	\$45,665	\$62,579	\$68,818	\$54,198	\$55,798	\$52,351	\$54,618	\$51,000	\$62,195	\$79,221	\$82,300	\$58,698	\$54,650
ID	\$49,491	\$69,910	\$70,064	\$57,212	\$67,085	\$60,080	\$60,791	.	\$64,321	\$148,700	.	.	\$59,717
IL	\$52,316	\$84,032	\$67,483	\$57,708	\$60,928	\$60,737	\$72,999	\$60,995	\$68,236	\$78,000	.	\$39,000	\$60,607
IN	\$49,350	\$78,291	\$65,927	\$55,385	\$57,810	\$61,275	\$64,021	\$78,667	\$65,802	\$95,000	\$96,000	.	\$56,497
KS	\$52,015	\$64,700	\$70,130	\$54,689	\$59,658	\$56,484	\$57,626	\$71,200	\$71,722	\$100,308	\$117,000	\$47,840	\$59,453
KY	\$49,574	\$73,871	\$55,164	\$63,227	\$56,900	\$46,888	\$55,219	\$63,807	\$50,951	\$98,322	\$95,000	\$31,949	\$53,797
LA	\$51,193	\$67,783	\$61,318	\$52,512	\$50,801	\$56,181	\$60,320	\$55,661	\$61,688	\$86,994	.	\$45,552	\$55,249
MA	\$71,501	\$86,654	\$77,472	\$76,275	\$78,702	\$76,413	\$81,221	\$105,257	\$88,177	\$40,560	\$119,960	\$63,075	\$76,840
MD	\$57,291	\$77,366	\$76,814	\$63,645	\$67,470	\$64,832	\$72,850	\$66,622	\$80,702	.	.	.	\$65,231
ME	\$55,959	\$72,230	\$75,190	\$58,995	\$66,035	\$54,139	\$59,871	.	\$71,383	\$64,480	.	\$60,840	\$62,170
MI	\$51,829	\$66,604	\$68,321	\$56,842	\$60,207	\$58,416	\$58,607	\$68,440	\$62,297	\$92,924	\$97,000	\$37,440	\$56,906
MN	\$57,224	\$68,978	\$75,767	\$58,854	\$65,746	\$61,392	\$64,581	\$73,212	\$70,918	\$101,920	.	\$47,590	\$62,794
MO	\$47,432	\$69,841	\$75,164	\$55,186	\$56,546	\$53,843	\$57,265	.	\$64,618	\$81,120	\$96,300	\$37,000	\$56,502
MS	\$45,301	\$68,851	\$66,251	\$63,232	\$55,983	\$58,705	\$55,422	\$44,200	\$59,473	\$101,959	\$110,000	.	\$55,500

<sup>a</sup>R=radiography; T=radiation therapy; N=nuclear medicine; M=mammography; CV=cardiovascular/interventional; CT=computed tomography; MR=magnetic resonance; QM=quality management; S=sonography; MD=medical dosimetry; RRA=registered radiologist assistant; RPA=radiology practitioner assistant; BD=bone densitometrist. Decimal point=not available.

### Full-time Compensation by Overall and State for Each Discipline<sup>a</sup> (Continued)

	R	T	N	M	CV	CT	MR	QM	S	MD	RRA/RPA	BD	Overall
<b>Overall</b>													
N	1637	660	522	629	609	792	679	98	510	118	50	59	6,363
Mean	\$53,953	\$79,125	\$70,822	\$60,263	\$64,614	\$60,586	\$65,099	\$71,251	\$68,821	\$95,279	\$100,004	\$56,521	\$61,190
Median	\$50,149	\$76,376	\$68,741	\$58,428	\$62,691	\$58,854	\$62,884	\$68,330	\$66,593	\$98,092	\$99,843	\$55,735	\$58,265
<b>Mean by State (Continued)</b>													
MT	\$47,338	\$75,494	\$64,804	\$54,575	\$61,040	\$55,135	\$58,717	.	\$65,695	\$97,032	\$85,000	.	\$55,146
NC	\$46,778	\$72,299	\$65,281	\$58,928	\$61,725	\$61,304	\$60,790	\$67,877	\$62,855	\$118,300	\$86,667	\$45,483	\$55,425
ND	\$43,660	\$63,015	\$63,204	\$49,654	\$55,101	\$52,566	\$56,651	\$52,888	\$62,398	\$80,142	.	.	\$51,930
NE	\$48,928	\$69,324	\$63,768	\$54,019	\$50,938	\$53,943	\$53,812	\$83,000	\$61,850	\$84,982	.	\$47,476	\$55,667
NH	\$52,553	\$79,924	\$79,023	\$65,734	\$68,099	\$64,834	\$70,432	\$74,082	.	\$106,205	.	.	\$64,213
NJ	\$62,918	\$92,274	\$87,676	\$66,438	\$73,531	\$72,818	\$77,020	\$66,560	\$79,487	\$58,240	.	\$61,360	\$71,216
NM	\$52,871	\$83,166	\$69,359	\$60,556	\$72,503	\$59,821	\$66,967	.	\$64,461	\$134,160	.	\$54,912	\$63,032
NV	\$59,139	\$83,006	\$72,119	\$69,206	\$84,335	\$78,074	\$75,795	.	\$75,777	\$102,169	\$95,000	.	\$71,044
NY	\$54,846	\$91,221	\$73,214	\$64,505	\$63,584	\$62,004	\$68,433	\$83,848	\$65,891	\$106,347	\$90,000	\$77,688	\$62,780
OH	\$49,290	\$68,242	\$68,281	\$53,040	\$60,127	\$56,710	\$56,147	\$60,403	\$59,168	\$92,033	\$90,000	\$38,688	\$55,676
OK	\$46,531	\$70,311	\$66,609	\$51,685	\$60,092	\$50,734	\$59,847	\$63,960	\$74,110	\$108,667	.	\$63,960	\$55,504
OR	\$57,265	\$89,918	\$77,434	\$73,469	\$73,974	\$73,149	\$70,510	\$103,400	\$78,700	\$118,310	\$60,320	\$68,952	\$68,575
PA	\$48,301	\$80,350	\$66,613	\$54,065	\$60,338	\$57,038	\$54,546	\$56,962	\$72,757	\$90,880	\$150,000	\$50,081	\$55,731
RI	\$68,631	\$90,184	\$86,881	\$73,792	\$60,294	\$77,609	\$82,454	\$91,655	\$74,448	.	.	.	\$75,399
SC	\$45,720	\$73,202	\$65,272	\$55,438	\$63,645	\$63,140	\$58,862	\$75,000	\$68,317	\$97,822	.	\$51,168	\$56,809
SD	\$43,340	\$66,347	\$77,637	\$47,166	\$61,240	\$47,954	\$54,806	.	\$63,896	\$91,937	.	.	\$52,813
TN	\$46,684	\$62,352	\$65,062	\$52,945	\$52,072	\$52,854	\$58,454	\$57,231	\$56,491	\$97,891	\$103,168	.	\$53,182
TX	\$55,457	\$81,706	\$64,404	\$55,919	\$64,696	\$56,364	\$66,228	\$65,241	\$62,460	\$74,066	\$98,500	\$72,000	\$60,530
UT	\$49,753	\$80,981	\$67,223	\$60,672	\$74,703	\$63,335	\$64,660	\$81,120	\$68,325	\$79,040	\$75,000	\$48,901	\$61,235
VA	\$53,870	\$75,369	\$68,973	\$60,457	\$62,982	\$60,107	\$67,907	.	\$65,094	.	.	.	\$60,023
VT	\$53,055	\$70,394	\$74,148	\$62,162	\$65,918	\$72,684	\$64,253	\$63,939	\$76,692	\$82,026	\$70,000	\$45,604	\$59,183
WA	\$57,240	\$80,673	\$84,576	\$89,971	\$73,399	\$72,060	\$72,835	\$89,380	\$74,035	\$116,296	\$98,000	\$52,541	\$70,033
WI	\$49,805	\$74,648	\$69,623	\$56,799	\$66,390	\$62,066	\$66,245	\$71,427	\$76,710	\$93,413	\$53,040	\$58,566	\$58,704
WV	\$48,252	\$56,280	\$52,226	\$53,724	\$44,842	\$52,522	\$57,709	\$55,931	\$58,996	.	.	.	\$52,380
WY	\$52,820	\$84,124	\$66,947	\$58,031	\$60,178	\$56,690	\$64,694	.	\$71,455	\$99,008	\$112,528	\$45,240	\$58,643

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Note: All statistics (except for Ns and percents) are weighted to national ARRT population.

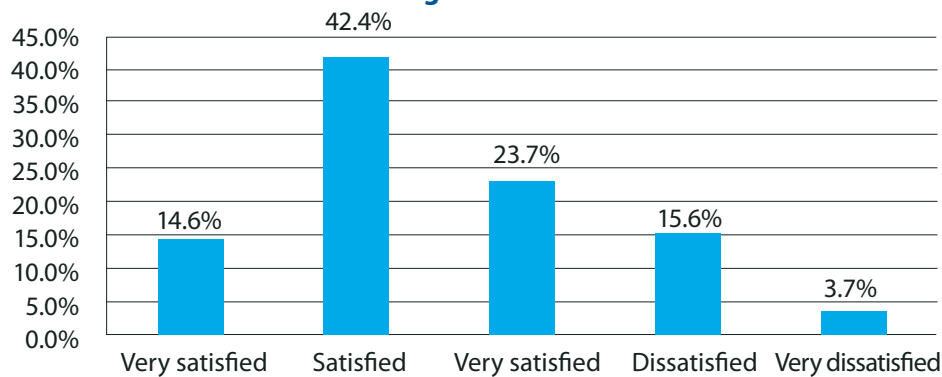


**Please rate your level of satisfaction with your current salary or wages.**

	Frequency	Percent	Valid Percent	Est. Population Percent
Very satisfied	1256	13.9	14.6	13.5
Satisfied	3651	40.3	42.4	41.0
Neutral	2038	22.5	23.7	24.2
Dissatisfied	1341	14.8	15.6	16.7
Very dissatisfied	322	3.6	3.7	4.6
Missing	460	5.1		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Satisfaction with Compensation (-2=Very Dissatisfied...2=Very satisfied)  
 Mean =0.42 Standard Deviation=1.06

**Level of satisfaction with current wages.**



**Did you receive a raise in your salary/wages in the past 12 months?**

	Frequency	Percent	Valid Percent	Est. Population Percent
Yes	5311	58.6	62.6	60.7
No	3170	35.0	37.4	39.3
Don't recall	91	1.0		
Missing	496	5.5		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

22. Mean =2.80% Raise Standard deviation=1.58%

**Are you paid for being on call?**

	Frequency	Percent	Valid Percent	Est. Population Percent
Yes	3718	41.0	45.0	39.3
No	4547	50.1	55.0	60.1
Missing	803	8.9		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

### Are you represented by a collective bargaining agent or union?

	Frequency	Percent	Valid Percent	Est. Population Percent
Yes	616	6.8	7.2	8.0
No	7889	87.0	92.8	92.0
Missing	563	6.2		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### Benefits

	N	Valid Percent [Est. Population Percent]					
		Employer Provides No Funding		Employer Provides Fixed % or Dollar Amount		Employer Provides 100%	
Life Insurance	7478	23.2%	[25.9%]	54.0%	[50.9%]	22.8%	[23.2%]
Health Insurance	7931	12.8%	[14.8%]	75.9%	[72.7%]	11.3%	[12.5%]
Dental Insurance	7858	23.2%	[26.3%]	67.7%	[64.4%]	9.1%	[9.3%]
Liability Insurance	5929	40.5%	[41.7%]	35.9%	[35.1%]	23.6%	[23.2%]
Retirement/Pension Program	7892	14.0%	[16.7%]	78.9%	[76.1%]	7.1%	[7.2%]
Disability Protection	6707	34.2%	[35.8%]	54.2%	[52.7%]	11.5%	[11.5%]

### Professional Development

	N	Valid Percent [Est. Population Percent]					
		Employer Provides No Funding		Employer Provides Fixed % or Dollar Amount		Employer Provides 100%	
Registration Fees	7862	68.4%	[71.2%]	13.7%	[12.2%]	17.9%	[16.6%]
Travel Expenses	7534	53.4%	[57.5%]	25.2%	[23.5%]	21.4%	[19.0%]
Tuition Assistance	7404	40.5%	[42.7%]	50.3%	[48.4%]	9.2%	[8.9%]
Professional Association Dues	7945	77.5%	[78.8%]	9.0%	[8.5%]	13.6%	[12.7%]
CE Courses/Materials	7856	61.5%	[63.7%]	22.9%	[21.2%]	15.5%	[15.1%]

Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

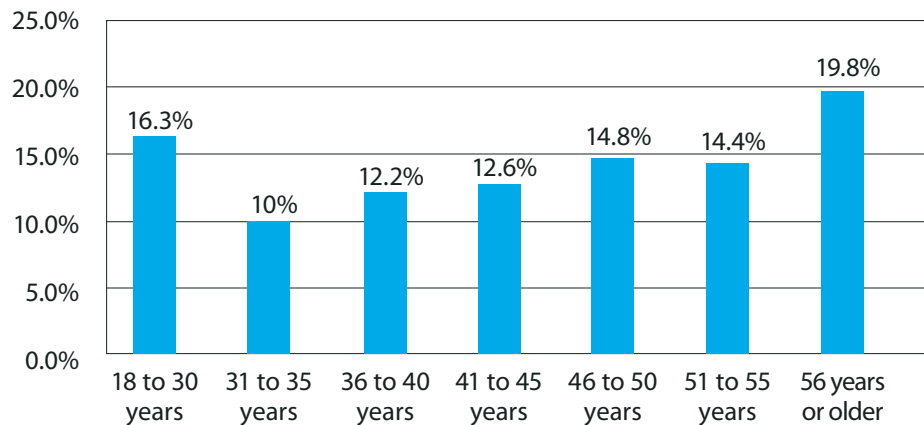
## Demographics

### Age

	Frequency	Percent	Valid Percent	Est. Population Percent	True ARRT Population Percent
18 to 30 years	1205	13.3	16.3	16.7	18.8
31 to 35 years	739	8.1	10.0	10.0	12.1
36 to 40 years	902	9.9	12.2	12.4	13.8
41 to 45 years	928	10.2	12.6	12.3	13.2
46 to 50 years	1093	12.1	14.8	14.6	13.6
51 to 55 years	1065	11.7	14.4	14.2	12.6
56 years or older	1462	16.1	19.8	19.7	16.0
Missing	1674	18.5			
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Respondent Age  
 Mean = 43.84 Years Standard Deviation=11.30

### Age



### Gender

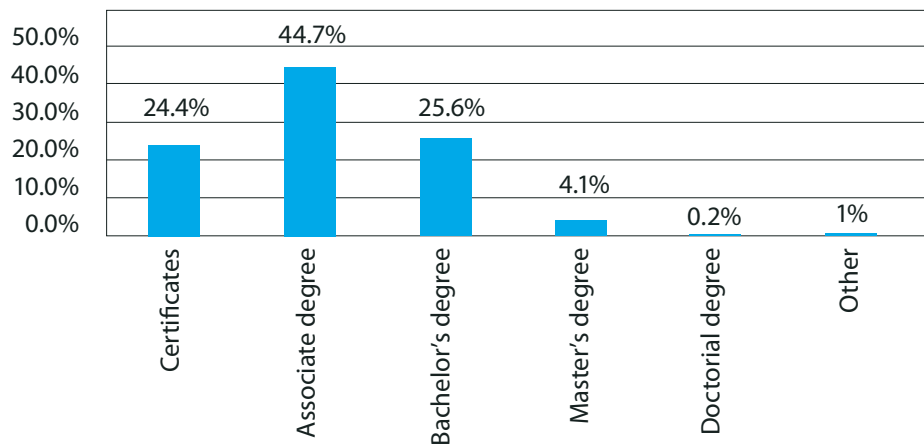
	Frequency	Percent	Valid Percent	Est. Population Percent	True ARRT Population Percent
Male	2030	22.4	23.0	23.5	27.4
Female	6802	75.0	77.0	76.5	72.6
Missing	236	2.6			
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

### Highest level of education completed

	Frequency	Percent	Valid Percent	True ARRT Population Percent
Certificate(s)	2181	24.1	24.4	27.5
Associate degree	3990	44.0	44.7	49.9
Bachelor's degree	2286	25.2	25.6	18.8
Master's degree	367	4.0	4.1	2.8
Doctoral degree	21	0.2	0.2	0.2
Other	90	1.0	1.0	0.9
Missing	133	1.5		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### Highest level of education completed



Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.



## Employment Status

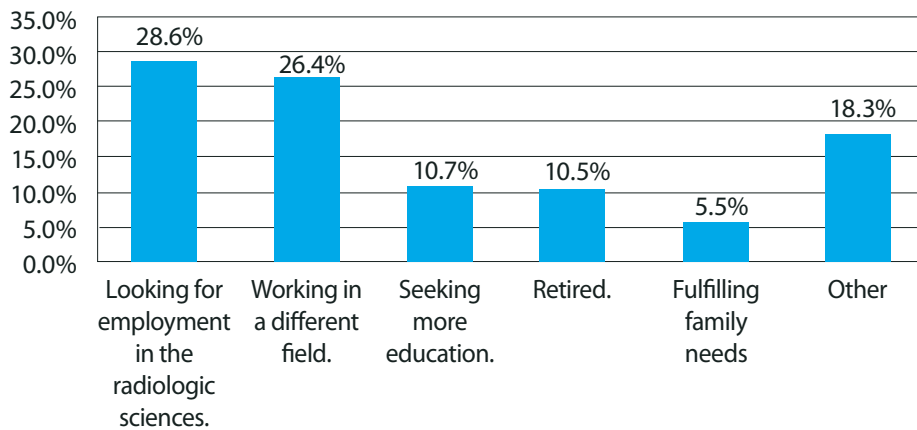
### Are you presently employed in the radiologic sciences?

	N	Percent	Valid Percent	Est. Population Percent
Yes	8611	95.0	95.0	93.4
No	451	5.0	5.0	6.6
Missing	6	0.1		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### If not, please select the response that best describes your employment status.

	N	Percent	Valid Percent	Est. Population Percent
Looking for employment in the radiologic sciences	131	1.4	28.6	35.2
Working in a different field	121	1.3	26.4	20.3
Seeking more education	49	0.5	10.7	16.5
Retired	48	0.5	10.5	12.9
Fulfilling family needs	25	0.3	5.5	10.5
Other	84	0.9	18.3	4.6
Missing	8610	94.9		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### Reason for not working in the radiologic sciences.



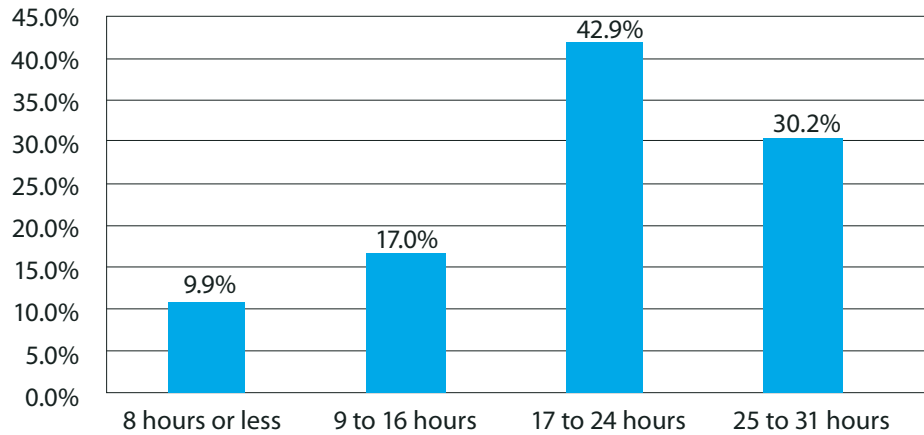
Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

## Employment Setting

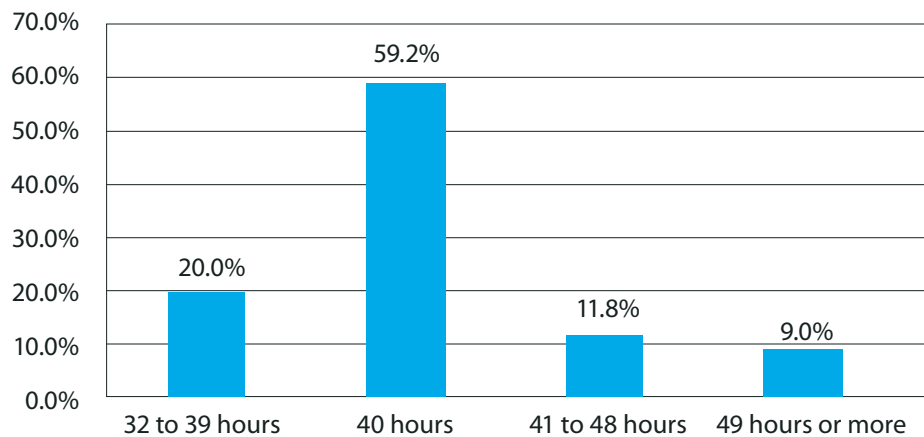
### Approximately how many hours do you work in an average week?

	N	Percent	Valid Percent	Est. Population Percent	Mean [St. Deviation]	Median
Part-time (Less than 32 hours/week)	1227	13.5	14.5	14.8	21.01 [7.26]	23.10
Full-time (More than 32 hours/week)	7210	79.5	85.5	85.2	41.27 [7.33]	40.00
Missing	631	7.0				
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>		

### Part-time Categorized



### Full-time Categorized

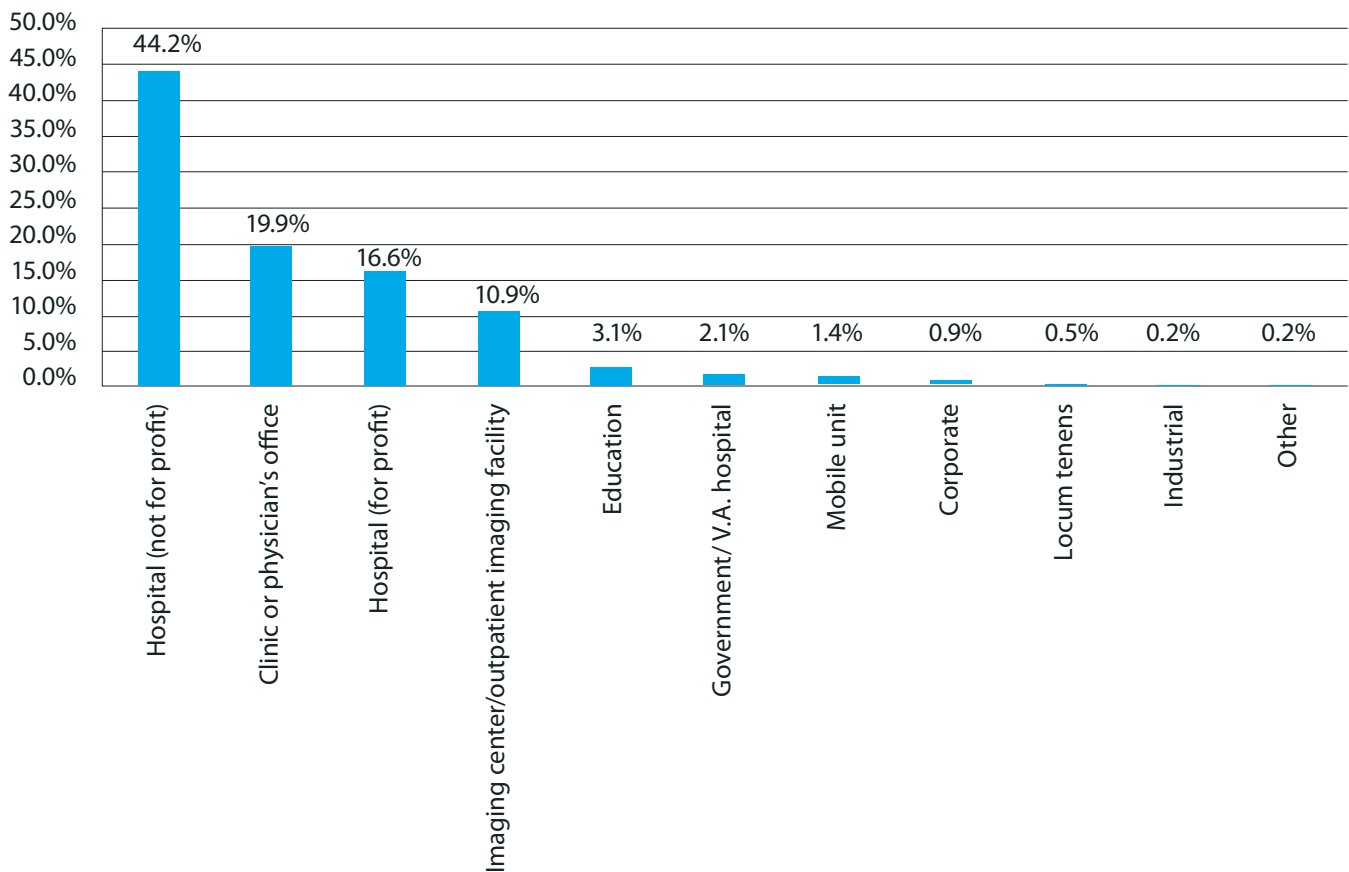


Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

### In which employment setting do/did you practice most of the time?

	N	Percent	Valid Percent	Est. Population Percent
Hospital (not for profit)	3984	43.9	44.2	40.1
Clinic or physician's office	1791	19.8	19.9	21.5
Hospital (for profit)	1499	16.5	16.6	16.9
Imaging center/outpatient imaging facility	980	10.8	10.9	11.4
Education	275	3.0	3.1	4.7
Government/V.A. hospital	192	2.1	2.1	2.0
Mobile unit	129	1.4	1.4	1.5
Corporate	80	0.9	0.9	1.1
Locum tenens (temporary staff)	44	0.5	0.5	0.5
Industrial	15	0.2	0.2	0.2
Other	15	0.2	0.2	0.2
Missing	64	0.7		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### Respondents by employment setting

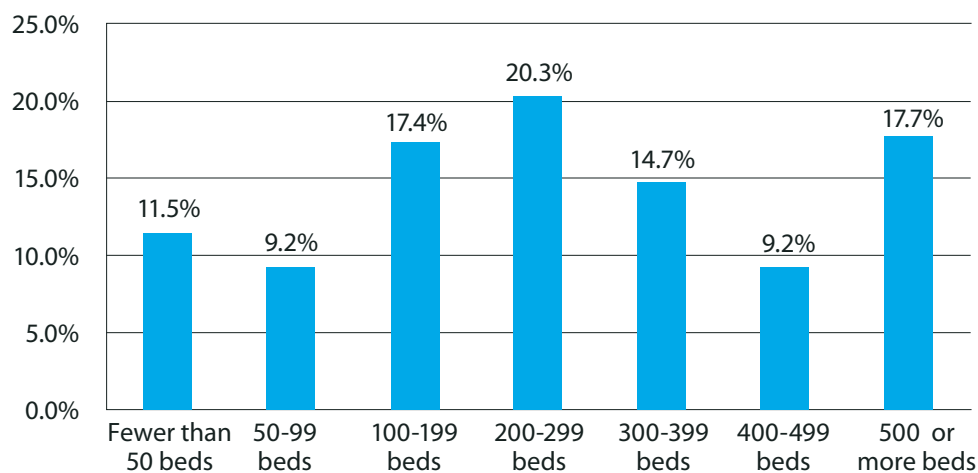


Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

### If your primary practice is/was in a hospital, what is/was the size (in no. of beds) of the hospital?

	N	Percent	Valid Percent	Est. Population Percent
Fewer than 50 beds	684	7.5	11.5	9.6
50-99 beds	548	6.0	9.2	8.5
100-199 beds	1034	11.4	17.4	16.7
200-299 beds	1207	13.3	20.3	20.9
300-399 beds	877	9.7	14.7	15.0
400-499 beds	550	6.1	9.2	9.7
500 or more beds	1052	11.6	17.7	19.5
Not applicable	1982	21.9		
Missing	1134	12.5		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Mean [St. Deviation]</b>	<b>282.09 [157.50]</b>			

### Hospital by number of beds



### Are you responsible for any image postprocessing in your position?

	N	Percent	Valid Percent	Est. Population Percent
Yes	5521	60.9	61.8	62.1
No	3410	37.6	38.2	37.9
Missing	137	1.5		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

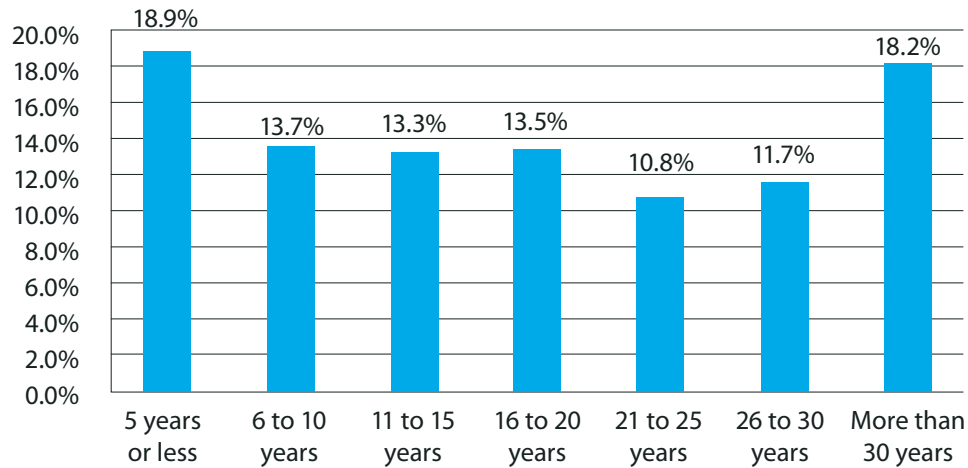
Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.



### How long have/had you practiced in the radiologic sciences?

	N	Percent	Valid Percent	Est. Population Percent
5 years or less	1675	18.5	18.9	21.6
6 to 10 years	1217	13.4	13.7	13.8
11 to 15 years	1177	13.0	13.3	12.8
16 to 20 years	1197	13.2	13.5	12.7
21 to 25	957	10.6	10.8	10.1
26 to 30 years	1034	11.4	11.7	10.1
More than 30 years	1613	17.8	18.2	17.8
Missing	198	2.2		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Mean [St. Deviation]</b>	<b>17.80 [12.13]</b>			

### Years practiced in the radiologic sciences

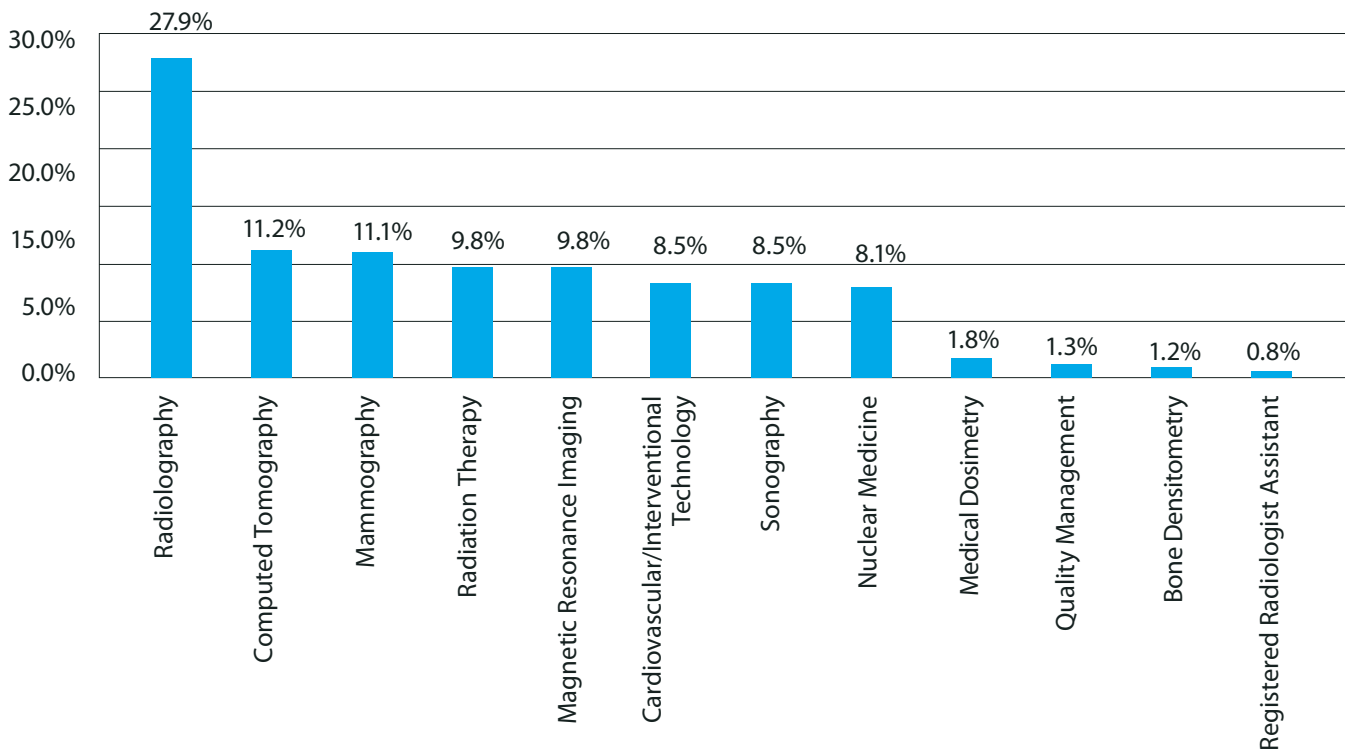


Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

**Please indicate in which discipline you practice(d) most of the time.**

	N	Percent	Valid Percent	Est. Population Percent
Radiography	2335	25.7	27.9	46.2
Computed Tomography	937	10.3	11.2	11.8
Mammography	932	10.3	11.1	9.0
Radiation Therapy	819	9.0	9.8	6.2
Magnetic Resonance Imaging	820	9.0	9.8	10.1
Cardiovascular/Interventional	712	7.9	8.5	5.3
Sonography	716	7.9	8.5	5.9
Nuclear Medicine	675	7.4	8.1	4.7
Medical Dosimetry	154	1.7	1.8	
Quality Management	113	1.2	1.3	0.3
Bone Densitometry	104	1.1	1.2	0.4
Registered Radiologist Assistant	64	0.7	0.8	0.1
Multiple primary disciplines checked	440	4.9		
Other	202	2.2		
Missing	45	0.5		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

**Primary Discipline**

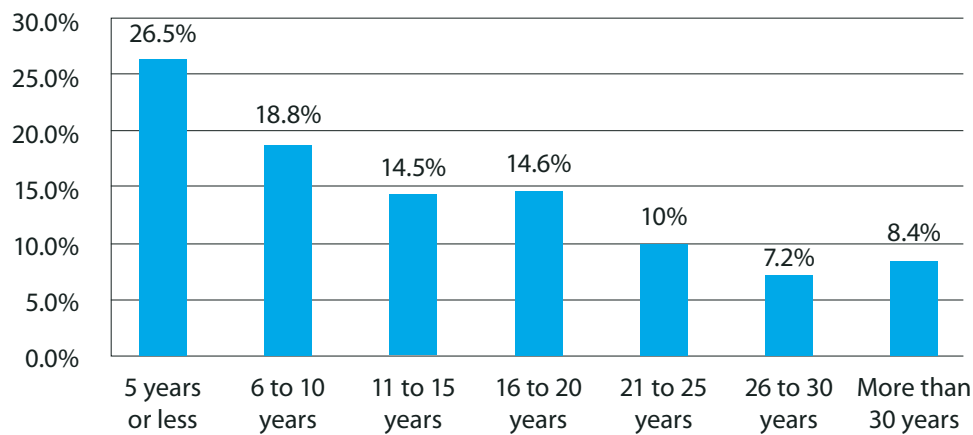


Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

### How long have/had you practiced in your primary discipline?

	N	Percent	Valid Percent	Est. Population Percent
5 years or less	2364	26.1	26.5	27.8
6 to 10 years	1672	18.4	18.8	18.3
11 to 15 years	1289	14.2	14.5	13.9
16 to 20 years	1302	14.4	14.6	13.4
21 to 25 years	893	9.8	10.0	9.6
26 to 30 years	642	7.1	7.2	7.0
More than 30 years	747	8.2	8.4	10.0
Missing	166	1.8		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Mean [St. Deviation]</b>	<b>14.50 [10.97]</b>			

### Years practiced in primary discipline

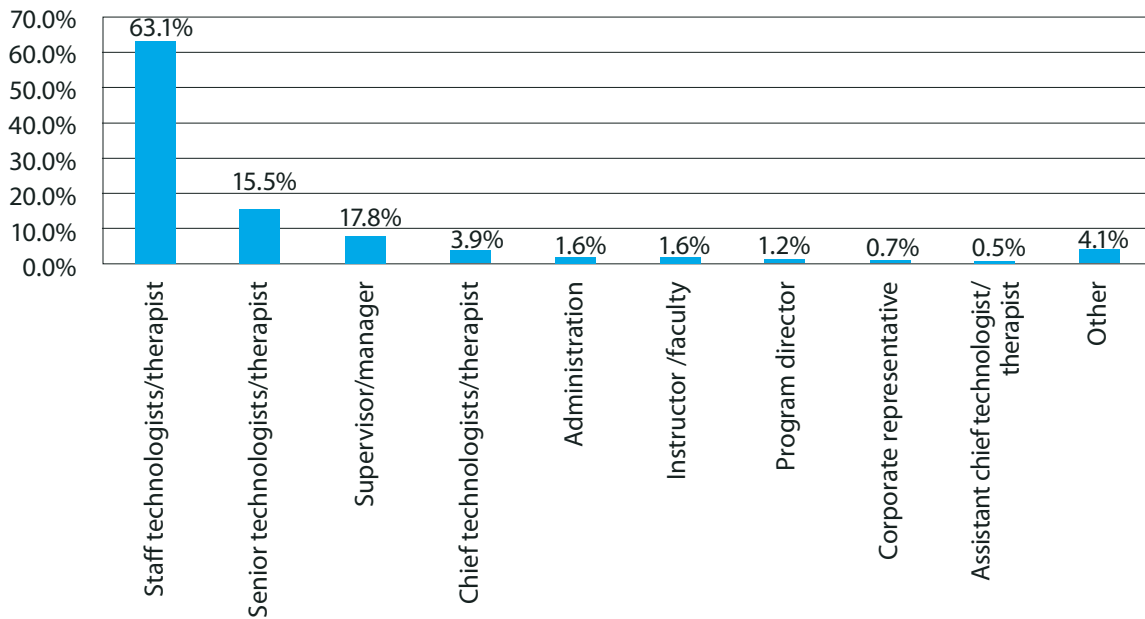


Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

### Which of the following titles best describes your current job position?

	N	Percent	Valid Percent	Est. Population Percent
Staff technologist/therapist	5674	62.6	63.1	63.8
Senior/lead technologist/therapist	1395	15.4	15.5	14.2
Supervisor/manager	700	7.7	7.8	7.1
Chief technologist/therapist	348	3.8	3.9	3.6
Administrator	147	1.6	1.6	1.6
Instructor/faculty	140	1.5	1.6	2.6
Program director	111	1.2	1.2	1.7
Corporate representative	59	0.7	0.7	0.7
Assistant chief technologist/therapist	48	0.5	0.5	0.4
Other	371	4.1	4.1	4.4
Missing	75	0.8		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### Current job position



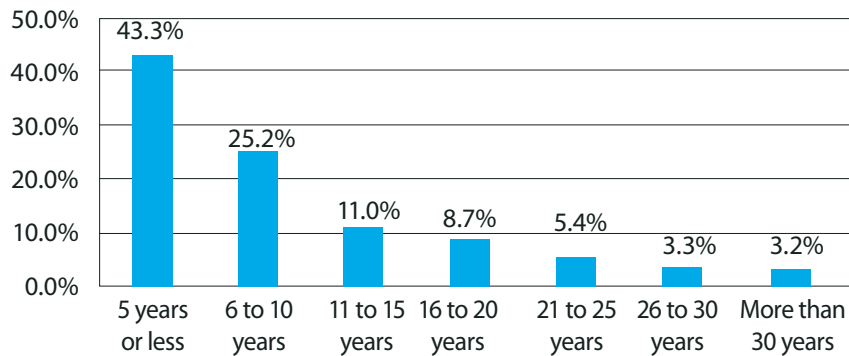
Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.



### How long have/had you practiced in this current position?

	N	Percent	Valid Percent	Est. Population Percent
5 years or less	3839	42.3	43.3	45.4
6 to 10 years	2233	24.6	25.2	24.8
11 to 15 years	971	10.7	10.9	10.2
16 to 20 years	771	8.5	8.7	8.2
21 to 25 years	479	5.3	5.4	5.0
26 to 30 years	291	3.2	3.3	3.2
More than 30 years	285	3.1	3.2	3.2
Missing	199	2.2		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Mean [St. Deviation]</b>	<b>9.34 [8.66]</b>			

### Years practicing in current position



Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

## ASRT Membership

### Are you currently a member of the ASRT?

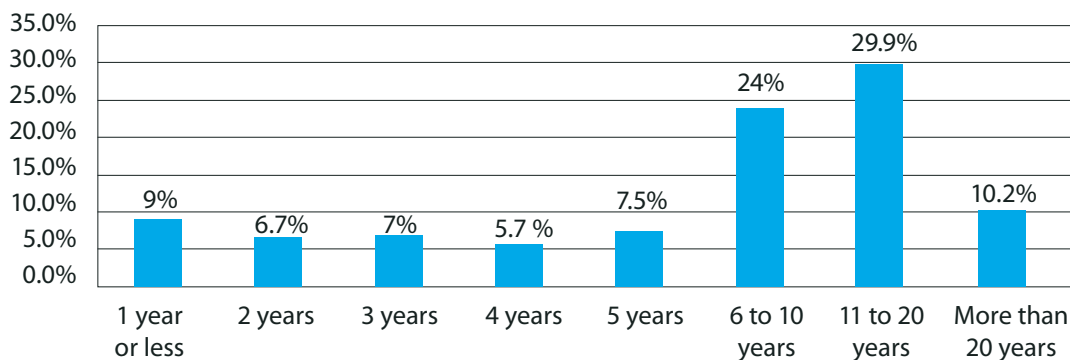
	N	Percent	Valid Percent	Est. Population Percent
Yes	5421	59.8	60.2	62.7
No	3583	39.5	39.8	37.3
Missing	64	0.7		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### How long have you been a member of the ASRT?

	N	Percent	Valid Percent	Est. Population Percent
3 years or less	472	5.2	22.7	24.8
4 to 6 years	351	3.9	17.5	17.3
7 to 9 years	369	4.1	10.4	10.3
10 to 12 years	301	3.3	14.9	14.6
13 to 15 years	397	4.4	11.9	11.8
16 to 18 years	1261	13.9	6.2	5.9
19 to 21 years	1575	17.4	6.6	6.2
More than 21 years	539	5.9	9.8	9.2
Missing	3803	41.9		
<b>Total</b>	<b>9068</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Length of ASRT membership  
 Mean =10.38 Standard Deviation=8.62

### How long have you been a member of the ASRT?



Note: All statistics (except for *Ns* and *percents*) are weighted to national ARRT population.

## Appendix A

### Cover Letter



15000 Central Ave. SE, Albuquerque, NM 87123-3909  
505-298-4500 • 800-444-2778 • Fax 505-298-5063 • [www.asrt.org](http://www.asrt.org)

February 2010

Dear Colleague,

You have been selected to participate in the *ASRT Wage and Salary Survey 2010*. This survey will provide up-to-date wage and salary information on radiologic technologists across the nation. Because your time is valuable, we have tried hard to keep the survey brief. Your answers will be held in complete confidence. To maintain confidentiality of replies, all responses will be grouped together and reported in the form of averages or percentages.

A detailed report summarizing the responses to every question will be made available to the radiologic science community on the ASRT Web site. Likewise, we will update our interactive salary estimator on the ASRT Web site with the raw data from this survey to estimate average wages and salaries for user-specified combinations of professional qualifications.

Please complete the survey at your earliest convenience. This may be done in a couple of ways:

- Preferably, we would like you to **complete the survey online** by going to <http://asrt.checkboxonline.com/wss2010.aspx>. By submitting online, you will have the opportunity at the end of the survey to enter a drawing for a chance to win one of five \$100 Visa checkcards.
- Or, you may write your answers on the enclosed hard copy questionnaire and return it in the postage-paid envelope provided.

Your contribution to this research is greatly appreciated. To show our appreciation, we will be conducting a random drawing for five \$100 gift cards for those who choose to take the survey online.

If you have any questions regarding this survey, please contact ASRT Director of Research, John Culbertson at [jculbertson@asrt.org](mailto:jculbertson@asrt.org) or at 800-444-2778, Ext. 1297. Thank you for your participation and support.

Sincerely,



Myke Kudlas  
Vice President of Research and Education

## Survey Instrument

PLEASE ANSWER ALL QUESTIONS IN TERMS OF YOUR JOB IN THE RADIOLOGIC SCIENCES ONLY. DO NOT INCLUDE OTHER JOBS YOU MAY HAVE.

**1. Are you presently employed in the radiologic sciences?**

- Yes
- No

**1a. Please select the response that best describes your employment status.**

- Seeking more education.
- Looking for employment in the radiologic sciences.
- Working in a different field.
- Fulfilling family needs.
- Retired.
- Other (please specify below).

Please specify the “other” employment status .

### Demographics

**2. In which employment setting do/did you practice most of the time?**

- Education
- Clinic or physician’s office
- Hospital (not for profit)
- Hospital (for profit)
- Mobile unit
- Imaging center/outpatient imaging facility
- Government/V.A. hospital
- Locum tenens (temporary staff)
- Industrial
- Corporate

Please specify the “other” employment setting.

**3. If your primary practice is/was in a hospital, what is/was the size (in no. of beds) of the hospital?**

- Fewer than 50 beds
- 50-99 beds
- 100-199 beds
- 200-299 beds
- 300-399 beds
- 400-499 beds
- 500 or more
- Not applicable

**4. In what state is your current or previous work place?**

Please use 2 letter state abbreviation.

**5. Workplace ZIP code:**

**6. Please indicate in which discipline or specialty you practice(d) most of the time.**

- ( Your primary discipline or specialty)
- Radiography
- Radiation Therapy
- Nuclear Medicine
- Mammography
- Cardiovascular/Interventional Technology
- Computed Tomography
- Magnetic Resonance Imaging
- Quality Management
- Sonography
- Medical Dosimetry
- Registered Radiologist Assistant (RRA)
- Other (please specify below)

Please specify the “other” discipline or specialty.

**7. Are you responsible for any image post-processing in your position?**

- Yes
- No

**8. Are you credentialed in your primary discipline or specialty?**

- Yes
- No

**9. How long have/had you practiced in the radiologic sciences?**

Please round to the nearest full year and do not include the number of years for preparatory education.

**10. How long have/had you practiced in your primary discipline or specialty?**

Please round to the nearest full year and do not include clinical training.

**11. Which of the following titles best describes your current or previous job position?**

- Staff technologist/therapist
- Senior/lead technologist/therapist
- Assistant chief technologist/therapist
- Chief technologist/therapist
- Supervisor/manager
- Administrator
- Instructor/faculty
- Program director
- Corporate representative
- Other (please specify below)

Please specify the “other” job position.

**12. How long have/had you practiced in this current position?**

Please count consecutive years and round to the nearest full year.

**13. Are you currently a member of the ASRT?**

Yes  
No

**14. If yes, how long have you been a member?**

Please round to the nearest full year.

**15. Year of birth:**

**16. Gender**

Male  
Female

**17. Highest level of education completed:**

Certificate(s)  
Associate degree  
Bachelor's degree  
Master's degree  
Doctoral degree  
Other (please specify below)

Please specify the "other" level of education.

**Compensation**

**18. Approximately how many hours do you work in an average week?**

Please round to the nearest full hour.

**19. If you are paid on an hourly basis, what is your hourly rate?**

Base rate, please. Do not figure in pay for on call, overtime, bonuses or shift differential.  
Example: \$22.50

**20. If you are a salaried employee, what is your annual gross salary?**

Base salary, please. Do not figure in pay for on call, overtime, bonuses or shift differential.  
Example: \$52,000

**21. Did you receive a raise in your salary/wages in the past 12 months?**

Yes  
No  
Don't recall

**22. By what percentage did your salary/wage increase?**

Example: 2.0%, 4.5%

**23. Are you paid for being on call?**

Yes  
No

**24. If yes, how much extra per hour are you paid?**

**25. Are you represented by a collective bargaining agent or union?**

Yes  
No

**26. Please indicate how much funding your employer provides toward each of the benefits listed below.**

*Benefits*

Provides no funding -- Provides a fixed % or dollar amount -- Provides 100% -- Unsure  
Life insurance  
Health insurance  
Dental insurance  
Liability insurance  
Retirement/pension program  
Disability protection

*Professional Development*

Provides no funding -- Provides a fixed % or dollar amount -- Provides 100% -- Unsure  
Registration fees  
Travel expenses  
Tuition assistance  
Professional association dues  
CE courses/materials  
Other (please specify below)

Please specify the "other" employer funded benefit.

**27. Please rate your level of satisfaction with your current salary or wages.**

Very satisfied  
Satisfied  
Neutral  
Dissatisfied  
Very dissatisfied

**28. Please provide comments you may have:**

## Appendix B

### State Weight and Response Rate by State

State	Postal Invitation	Online Invitation	Online Volunteer	Total	ARRT Registrants	State Weight
AK	18	88	2	108	591	0.165
AL	20	100	15	135	5,084	1.139
AR	27	114	9	150	3,345	0.674
AZ	20	131	15	166	5,688	1.036
CA	24	201	43	268	20,413	2.303
CO	36	145	24	205	4,570	0.674
CT	38	141	15	194	4,041	0.630
DC	5	21	2	28	174	0.188
DE	27	75	8	110	1,014	0.279
FL	42	189	55	286	20,251	2.141
GA	26	152	28	206	9,238	1.356
HI	24	82	3	109	1,006	0.279
IA	59	171	24	254	3,738	0.445
ID	23	110	4	137	1,463	0.323
IL	36	153	31	220	13,244	1.821
IN	28	159	25	212	7,792	1.112
KS	39	129	14	182	3,250	0.540
KY	25	110	10	145	5,875	1.225
LA	24	107	14	145	5,172	1.079
MA	39	186	23	248	6,785	0.827
MD	34	109	17	160	5,791	1.095
ME	40	110	8	158	1,690	0.323
MI	27	188	36	251	10,193	1.228
MN	32	175	14	221	5,474	0.749
MO	32	172	17	221	6,452	0.883
MS	18	88	14	120	3,547	0.894
MT	35	109	12	156	1,129	0.219
NC	23	160	28	211	10,379	1.488
ND	23	114	6	143	816	0.173
NE	27	135	9	171	2,218	0.392
NH	19	113	4	136	1,571	0.349
NJ	38	104	17	159	8,412	1.600
NM	33	99	10	142	1,722	0.367
NV	27	99	8	134	2,009	0.453
NY	24	171	50	245	14,604	1.803
OH	39	196	45	280	14,512	1.567
OK	32	113	13	158	3,629	0.695
OR	47	119	11	177	2,981	0.509
PA	39	189	39	267	16,245	1.840
RI	32	75	10	117	1,257	0.325
SC	31	120	11	162	4,986	0.931
SD	27	104	8	139	1,050	0.228
TN	27	145	30	202	7,344	1.100
TX	29	173	35	237	20,556	2.623
UT	32	109	9	150	2,158	0.435
VA	20	75	2	97	7,475	1.171
VT	31	134	28	193	670	0.209
WA	31	156	10	197	5,578	0.856
WI	42	206	18	266	7,189	0.817
WV	24	85	7	116	2,653	0.692
WY	23	82	3	108	639	0.179
<b>Total</b>	<b>1518</b>	<b>6591</b>	<b>893</b>	<b>9002</b>	<b>297,663</b>	
Missing				66		

### Discipline Weight and Response Rate by Discipline

	Postal Invitation	Online Invitation	Online Volunteer	Total	ARRT Registrants	Discipline Weight
Radiography	296	1691	348	2335	112,284	1.659
Radiation Therapy	70	676	73	819	15,082	0.635
Nuclear Medicine Technology	193	447	35	675	11,367	0.581
Mammography	175	681	76	932	21,950	0.812
Cardiovascular/Interventional	124	535	53	712	12,805	0.620
Computed Tomography	165	670	102	937	28,688	1.056
Magnetic Resonance Imaging	148	610	62	820	24,492	1.030
Quality Management	9	96	8	113	676	0.206
Sonography	234	448	34	716	14,397	0.694
Medical Dosimetry	18	117	19	154	0	1.000
Registered Radiologist Assistant	1	51	12	64	317	0.171
Bone Densitometry	7	93	4	104	942	0.312
<b>Total</b>	<b>1440</b>	<b>6115</b>	<b>826</b>	<b>8381</b>	<b>243,000</b>	
Missing, Other, Multiple Disciplines				687		