



# **Radiologist Assistant Compensation and Practice Survey 2023**



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## Executive Summary

The definition of a Radiologist Assistant (RA) is an individual who is certified by the American Registry of Radiologic Technologists (ARRT) as a Registered Radiologist Assistant (RRA) and/or certified by the Certification Board for Radiology Practitioner Assistants (CBRPA) as a Radiology Practitioner Assistant (RPA).

An invitation to participate in the 2023 online survey was then sent to 167 members of the SRPE database on April 3, 2023, through the Constant Contact® platform with a link to the survey questionnaire. The online survey closed on May 1, 2023, with 104 respondents completing the online survey. The total number of surveys distributed was 167 with 104 returned for a response rate of 62.28%. Three surveys were incomplete or invalid and removed from the calculations for a total of 101 complete and valid surveys.

Verbatim responses to open-ended questions were not included in this report but can be provided upon written request.

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## Compensation and Benefits

The overall mean annual compensation salary for all positions and employment statuses in 2023 was \$132,512.36 with a median of \$130,000. There was a 24.96% increase from the 2018 SRPE report of the average national salary of \$106,042.68 for all positions and employment statuses.

- States with the highest reported mean annual full-time compensation for RAs across all current positions were Nebraska (\$180,000), New Hampshire (\$175,000), Oregon (\$165,000), and New York (\$155,591)
- States with the lowest reported mean annual full-time compensation for RAs across all current positions were Tennessee (\$94,000), Michigan (\$102,000), Missouri (\$105,488), and North Carolina (106,500).

When data were filtered into those practicing and not practicing as a RA, the overall mean annual full-time compensation for those practicing as either a staff RA or a supervising RA was \$134,202.

The overall mean annual full-time compensation was \$114,509 for those not currently practicing as an RA. These four respondents reported they were an instructor or faculty; an administrator or supervisor that did not perform RA duties but supervised other staff; or worked in corporate, sales, or clinical applications.

RAs responding to the survey indicated the radiology/physician group (50.5%) was their primary employer, followed by the hospital (36.7%). Most respondents indicated their current position

was a staff RA (84.2%). Most respondents practiced in not-for-profit hospitals (58.4%), with the highest number practicing in facilities with 500 or more beds (39.5%). Most respondents did not take call (82.2%) and did not rotate between different facilities or clinics (54.0%).

Respondents were asked about the benefits they received. Respondents stated their employers were most likely to provide medical insurance (94.5%), retirement/pension (90.5%), dental insurance (85.8%), and vision insurance (76.7%). Respondents indicated that employers provided continuing education (CE) assistance/ conference attendance (71.3%) and professional association dues (52.7%). The employer's provided tuition assistance to 42.5% of respondents. Most respondents reported they receive five or more weeks (45.4%) of paid time off (PTO) a year.

## Practice Analysis

Most respondents (96%) were practicing in the RA role (staff RA or supervising RA). There were 4% of respondents who were not practicing as RAs. There were no respondents who were retired or who were not currently employed.

Of those respondents who were working in the RA role:

- Considered their practice procedurally based (procedure performance, protocoling procedures, etc.) (50.5%)
- and worked in the diagnostic imaging area (58.4%)

Respondents performed a wide variety of procedures, with the most common:

- Upper gastrointestinal (GI) series, Esophogram, and Voiding cystourethrogram (VCUG)/ Cystography (81.2%)
- Modified barium swallow and Small bowel follow-through (80.2%)
- Contrast enema (79.2%)

The least commonly performed procedures were:

- Vein therapy/ Sclerotherapy (4%)
- Arteriovenous (AV) graft declot/ Thrombolysis (9.9%)
- Breast localization/ Breast biopsy/ Breast cyst aspiration (10.9%)

Respondents also indicated performing patient management activities, the most common performed were:

- Review imaging procedures, make initial observations, and communicate the observations to radiologists (93.1%)
- Participate in patient education (92.1%)
- Record information in the patient's record (89.1%)

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- Participate in informed consent; administer contrast, medications, and radiopharmaceuticals as prescribed; and document fluoroscopy time (87.1%)

The patient management activities least commonly performed were:

- Participate in the administration of moderate (conscious) sedation (13.9%)
- Observe and assess a patient who has received moderate (conscious) sedation (25.7%)
- Write patient admission and/or discharge summary for review and co-signature (36.6%)

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## Demographics

The average respondent to the survey:

- Was male (54.5%).
- Had an average age of 45.89 years, with most respondents falling into the 51-55 years of age category (19.2%).
- Had obtained a master's degree (58.4%).
- Had been a RA for an average of 12 years, with most respondents falling into the 16 to 20 years as an RA category (31.7%).
- Had worked in medical imaging/radiology for an average of 22 years, with most respondents falling into the 31 years or more in the medical imaging/ radiology category (20.8%).
- Was currently working as a RA (96%) as a staff RA (84.2%).
- Was employed full-time (35 or more hours/week) (98%).
- Was employed by a radiology/physician group (50.5%) and practiced in a not-for-profit hospital (58.4%) with 500 or more beds (39.5%).
- Did not take call as a RA (82.2%). Of the 17.8% of respondents who took call, the average days on call per month was 5.28 days.
- Did not rotate between different hospitals/clinics as a RA (54%). Of the 46% who did rotate between hospitals/clinics, 60.9% rotated between one to three facilities.

All RAs hold a primary certification as radiologic technologists from the ARRT in radiography (RT(R)) as a prerequisite to obtaining an advanced practice certification. Respondents were asked to select their advanced practice certification:

- Registered Radiologist Assistant (RRA) only (42.6%)
- Radiology Practitioner Assistant (RPA) only (14.9%)
- Dual Certified RRA and RPA (42.6%)

The top three post-primary certifications held by RAs were:

- Computed tomography (CT) (ARRT) (20.3%)
- Magnetic resonance (MR) (ARRT) (8.4%)
- Cardiovascular (CV) (ARRT) (7.7%)

## Inactive Demographics

The survey also included questions for RAs not currently practicing as RAs. Among the 4% of RA respondents not practicing in the RA role, 33% worked as an administrator/supervisor, 33% as faculty/instructor, and 33% in corporate/sales/ clinical applications.

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## Introduction

The Society of Radiology Physician Extenders (SRPE) is a society for Radiologist Assistants (RAs) who are Registered Radiologist Assistants (RRAs) certified by the American Registry of Radiologic Technologists (ARRT) and/or Radiology Practitioner Assistants (RPAs) certified by the Certification Board for Radiology Practitioner Assistants (CBRPA). The SRPE was founded in 1998 and has grown to over 170 members. The purpose of this SRPE shall be to advance the profession of mid-level radiology, to assist in maintaining high standards of education and training, to elevate the quality of patient care, and to improve the public awareness of advanced radiology professionals through federal and state advocacy. These purposes shall not be restricted by any consideration of nationality, race, color, gender, sexual orientation, disability, religion, or creed.

The definition of a Radiologist Assistant (RA) is an individual who is certified by the ARRT as an RRA and/or certified by the CBRPA as RPA. The RRA or RPA credential is awarded to those who are ARRT registered radiologic technologists with a certification in radiography (RT(R)), completed a RA program with a nationally recognized RA curriculum, completed all the clinical competency requirements under a radiologist preceptorship, and passed a national certification examination.

The objective of this study was to measure the income, benefits, practice types, and duties of the RA at the national level. The primary purpose of the compensation and practice survey is to examine current trends in the RA profession.

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## Methodology

The research methodology was based on the American Society of Radiologic Technologists (ASRT) Wage and Salary Survey and the ASRT RA Practice Survey with variations. Mrs. Vicki Dillard and the SRPE Board created and tested the survey questionnaire. The SRPE President sent an invitation to participate in the 2023 online survey to 167 active members in the SRPE database on April 3, 2023, through the Constant Contact® platform with a link to the survey questionnaire. The online survey closed on May 1, 2023, with 104 respondents completing the survey. The total number of surveys distributed was 167, with 104 returned for a response rate of 62.28%. Three surveys were incomplete or invalid and removed from the calculations for 101 complete and valid surveys.

All returned questionnaires were evaluated and reported using descriptive statistics. IBM SPSS® 29.0 software was used to determine measures of frequency distribution, central tendency, and variance reported for all data. Univariate, bivariate, or multivariate descriptive statistics may



have also been used to compare variables. V. Dillard performed the data analyses and created the report for SRPE Board approval. The SRPE Board approved the final report on July 13, 2023.

There were no incentives to participate given to respondents. The respondents were notified that participation in the survey was voluntary; their identity, privacy, and confidentiality would not be compromised; and all results would remain anonymous. Consent to participate in the study was implied when the respondent submitted the survey.

## Considerations

### Changes to the 2023 Questionnaire

The following changes were made to the 2023 SRPE Compensation and Practice questionnaire:

- Age, years as an RA, years working in medical imaging, number of call days per month, hours worked as part-time or PRN, number of facilities rotated, and weeks of vacation/paid time off were collected at a ratio level and then categorized.
- A selection of “*I prefer not to answer*” was added to the gender question.
- Definitions of *full-time* (36 or more hours a week) and *part-time* (35 or fewer hours a week) employment were added for clarification.
- The definition of *primarily* (practice over 50% of the time) was added for clarification.
- The definition of an *Academic Medical Center* (hospital associated with a medical school) was added for clarification.
- The definition of *Staff RA* (performs RA duties but does not supervise other RAs) was added for clarification.
- The definition of *Supervisor/ Administrator RA* (performs RA duties and supervises other RAs) was added for clarification.
- The definition of *Staff technologist* (does not perform RA duties) was added for clarification.
- The definition of *Supervisor/ Administrator* (does not perform RA duties but supervises other staff) was added for clarification.
- Lead RA and Lead technologist were removed to avoid confusion.
- The following procedures were added to the selection of procedures.
  - Post-operative GI evaluation,
  - Percutaneous gastrostomy or gastrojejunostomy tube evaluation,
  - Loopography/ urinary diversion study,
  - Bursa injection/ aspiration,
  - Lumbar puncture for cerebral spinal fluid analysis,
  - Abscess/sinus tract/ fistula tract study,
  - Drainage catheter placement for ascites,

- Drainage catheter placement for pleural effusion,
- Placement of catheter for pneumothorax,
- Venous access catheter removal, and
- Venous access catheter exchange
- Hysterosonography was added to the Hysterosalpingography procedure.
- Barium enema was changed to contrast enema for clarification.
- Abscess drainage/ catheter placement was changed to Drainage catheter placement for abscess/cyst/hematoma for clarification.
- Midline catheter placement was added to Peripherally inserted central catheter placement for clarification.
- Perform urinary catheterization was removed from the questionnaire.
- *Research* was added to *Assist with data collection and review*.
- *Respond to medical emergencies in the radiology department* was added to the questionnaire.

#### Primary dependent variable: Annualized Compensation

Compensation data were collected as either a base annual salary or a base hourly wage. To simplify the reporting of this data, base hourly wage data was converted to a base annual compensation figure as:  $\text{base annual compensation} = \text{reported base hourly wage} * 2080$   
*To determine hourly wage, base annual compensation/2080 (or number of hours worked per year)*

#### Data Reliability

The responses were examined for logically impossible or implausible values. Such implausible values were assigned a code and omitted from the computation of descriptive statistics. The number of responses to individual items varied due to differing response rates or the removal of implausible or inconclusive data.

The following implausibility criteria were used:

- **Number of years in the medical imaging profession:** Considered implausible if the response implied that the respondent entered the profession before the age of 18.
- **Number of years as a RA:** Considered implausible if the years as an RA were greater than the years working in the medical imaging profession.
- **Base annual salary:** Considered implausible if the annual salary for a full-time employee was less than \$22,000 or over \$250,000.
- **Base hourly wage:** Considered implausible if less than \$10/hour or greater than \$200/hour.

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## Margin of Error

The total of ARRT-certified RRAs as of April 2023 was 448<sup>1</sup>. A search of the CBRPA directory of registrants identified 310 currently certified and valid RPAs. RPAs whose certification was expiring, pending or conditional were considered certified and valid. Names in the CBRPA directory were compared with the ARRT online verification website to assess for dual certification (RRA and RPA certified). RAs who could not be identified in the ARRT online verification database were considered “CBRPA certified only”. Out of the 310 RPAs, 152 were dual-certified. Those certified and valid RPAs in the database who did not have RRA certification totaled 158 RPAs and were considered “CBRPA-certified only”. These 158 CBRPA-certified only RPAs were added to the 448 ARRT-certified RRAs for a total population of 606 RAs (RRA and RPA).

A total of 104 individuals who were RAs certified either by the ARRT or the CBRPA completed the survey. This sample size yielded a  $\pm 8.75\%$  margin of error for overall percentages at the 95% confidence interval. The standard deviation of the base annual compensation for the 84 RAs employed in a full-time staff RA position was \$24,795; therefore, the estimate of the mean base annual compensation of \$133,189 for full-time staff RA these respondents had a 95% chance of being  $\pm \$4,765.36$  of the actual mean for all RAs.

The margin of error increases as the sample is further divided into subgroups. For a subgroup of 50 RAs, the margin of error would be  $\pm 13.3\%$ . A subgroup of 10 RAs would increase the margin of error to  $\pm 30.8\%$ .

<sup>1</sup>Reported by ARRT at the May 2023 Intersocietal Commission on the Radiologist Assistant (ICRA) meeting, Washington, D.C.

## Report

The report summarizes the results for each question in the survey. The compensation information was divided by currently practicing as a RA, job position, employment status, workplace, education, years in the profession, and state. The report also summarizes the procedures and patient management activities performed by RAs.

## Limitations

All responses were self-reported and may be subject to response bias. Unlike the 2018 survey, the 2023 SRPE Compensation and Practice Survey was only distributed to active members of the SRPE via the Constant Contact® platform, thus limiting the respondents and may be unrepresentative of the whole RA population. Respondents were allowed to skip questions or end the survey without completing all questions. If the participant did not answer more than 75% of the questions, the survey was removed from the analyses.

## 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).*

### Overall Annual Compensation Based on All Positions & Employment Statuses

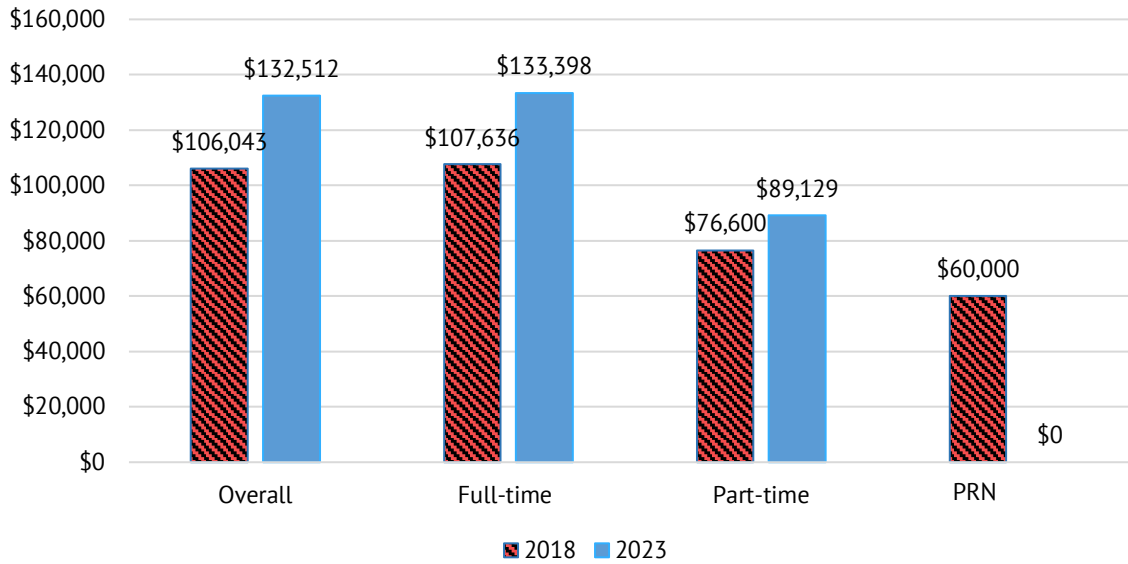
*The average annual salary for Radiologist Assistants for all positions and employment statuses in 2023 was \$132,512.36. There was a 24.96% increase in the average salary when compared to 2018.*

Current Annual Salary		2018	2023	% Change
N	Valid	274	100	
	Missing	9	1	
Mean		\$106,042.68	<b>\$132,512.36</b>	<b>24.96%</b>
Median		\$104,000	\$130,000	25%
Standard Deviation		\$25,921.41	\$26,456.40	2%

2018 Employment Status	Mean	Median	Standard Deviation	N	Valid N	Valid N %
Employed, Full-time	\$107,636	\$105,000	\$24,911	262	261	95.3%
Employed, Part-time	\$76,600	\$80,000	\$24,184	13	11	4.0%
Employed, PRN (as needed)	\$60,000	\$60,000	\$42,426	2	2	0.7%
<b>Total</b>	<b>\$106,042</b>	<b>\$104,000</b>	<b>\$25,921</b>	<b>283</b>	<b>274</b>	<b>100%</b>

2023 Employment Status	Mean	Median	Standard Deviation	N	Valid N	Valid N %
Employed, Full-time (36 or more hours a week)	\$133,398	\$130,000	\$25,964	99	98	98.0%
Employed, Part-time (35 or less hours a week)	\$89,129	\$89,129	\$7,797	2	2	2.0%
Employed, PRN (as needed)	.	.	.	0	0	0
<b>Total</b>	<b>\$132,512</b>	<b>\$130,000</b>	<b>\$26,456</b>	<b>101</b>	<b>100</b>	<b>100%</b>

### Average Annual Salary by Employment Status and Year



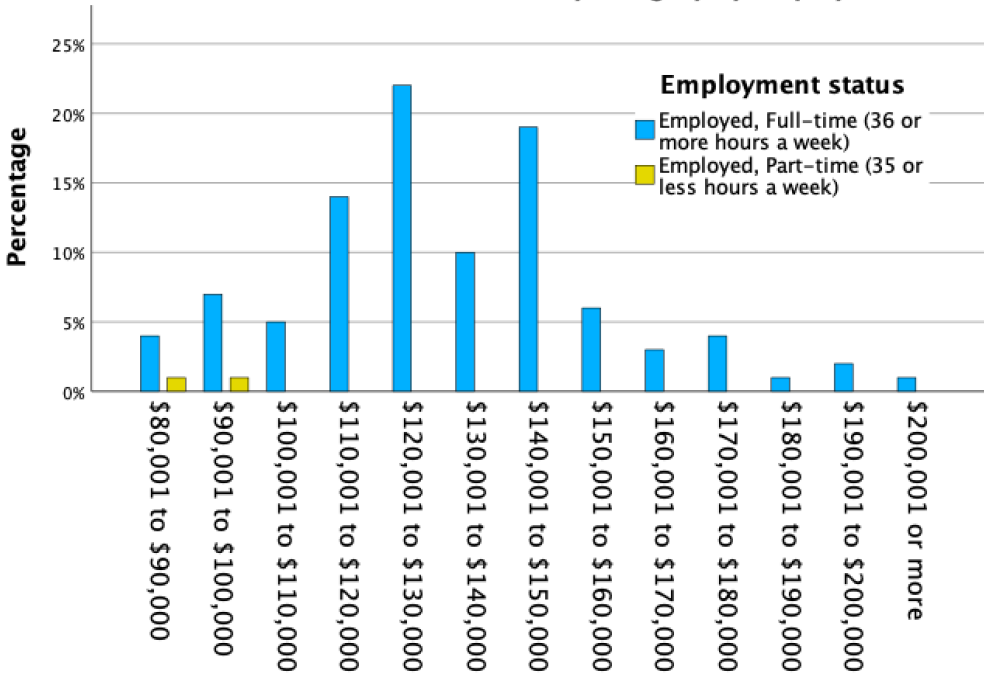
## Annual Compensation for Practicing RA Based on Current Position & Employment Status

Working as an RA	Position	Employment Status	Mean	Median	Standard Deviation	N
Yes	Staff RA (performs RA duties but does not supervise other RAs)	Employed, Full-time (36 or more hours a week)	\$133,198	\$130,000	\$24,795	84
		Employed, Part-time (35 or less hours a week)	\$94,642	\$94,642	.	1
		Total	\$132,739	\$130,000	\$25,001	85
	Supervisor/ Administrator RA (performs RA duties and supervises other RAs)	Employed, Full-time (36 or more hours a week)	\$141,773	\$144,000	\$32,965	11
		Employed, Part-time (35 or less hours a week)	\$83,616	\$83,616	.	1
		Total	\$136,926	\$140,250	\$35,633	12
No	Supervisor/ Administrator (does not perform radiologist assistant duties but supervises other staff)	Employed, Full-time (36 or more hours a week)	\$148,000	\$148,000	.	1
		Total	\$148,000	\$148,000	.	1
	Instructor/ Faculty	Employed, Full-time (36 or more hours a week)	\$95,018	\$95,018	\$25	2
		Total	\$95,018	\$95,018	\$25	2
	Corporate/ Sales/ Clinical Applications	Employed, Full-time (36 or more hours a week)	\$120,000	\$120,000	.	1
		Total	\$120,000	\$120,000	.	1

### Compensation of Full and Part-time Radiologist Assistants

Salary Category	Employment status		Total %
	Employed, Full-time (36 or more hours a week)	Employed, Part-time (35 or less hours a week)	
\$80,001 to \$90,000	4%	1%	5%
\$90,001 to \$100,000	7%	1%	8%
\$100,001 to \$110,000	5%	0%	5%
\$110,001 to \$120,000	14%	0%	14%
\$120,001 to \$130,000	22%	0%	22%
\$130,001 to \$140,000	10%	0%	10%
\$140,001 to \$150,000	19%	0%	19%
\$150,001 to \$160,000	6%	0%	6%
\$160,001 to \$170,000	3%	0%	3%
\$170,001 to \$180,000	4%	0%	4%
\$180,001 to \$190,000	1%	0%	1%
\$190,001 to \$200,000	2%	0%	2%
\$200,001 or more	1%	0%	1%
<b>Total</b>	<b>98%</b>	<b>2%</b>	<b>100%</b>

Current Annual Salary Category by Employment Status



## Overall Annual Compensation for Full-time Employees Based on Employer

Employer	Current annual salary			
	Mean	Median	Standard Deviation	Total N
Hospital	\$141,001	\$142,500	\$26,721	38
Clinic/ Outpatient Center	\$156,250	\$155,000	\$28,791	4
Radiology/Physician Group	\$126,813	\$125,000	\$24,867	51
Both Radiology/ Physician Group and Hospital	\$122,667	\$125,000	\$6,807	3
Self-employed (contract)	.	.	.	0
College/ University/ Educational Institution	\$109,884	\$109,518	\$17,177	4
Corporation	\$120,000	\$120,000	.	1
Retired/ Not employed	.	.	.	0
Other (please specify)	.	.	.	0
<b>Total</b>	<b>\$132,512</b>	<b>\$130,000</b>	<b>\$26,456</b>	<b>101</b>

## Overall Annual Full-time Compensation by State

State of Residence	Current annual salary				Valid N %
	Mean	Median	Standard Deviation	Total N	
Arizona	\$135,000	\$130,000	\$13,229	3	3%
Arkansas	\$120,518	\$120,518	\$36,038	2	2%
California	\$133,000	\$133,000	\$24,042	2	2%
Colorado	\$142,000	\$126,000	\$36,242	5	5%
Connecticut	\$146,682	\$143,000	\$12,537	5	5%
Florida	\$134,389	\$128,000	\$18,983	9	8.9%
Georgia	\$155,000	\$155,000	.	1	1%
Indiana	\$123,280	\$126,000	\$11,480	6	5.9%
Iowa	\$117,583	\$116,000	\$12,314	6	5.9%
Kansas	\$129,833	\$133,000	\$20,930	3	3%
Maryland	\$120,000	\$120,000	.	1	1%
Massachusetts	\$151,667	\$50,000	\$22,546	3	3%
Michigan	\$102,000	\$102,000	.	1	1%
Mississippi	\$124,000	\$124,000	.	1	1%
Missouri	\$105,488	\$89,000	\$29,898	3	3%



<b>State of Residence (con't)</b>	Mean	Median	Standard Deviation	N	Valid % N
Montana	\$143,333	\$148,000	\$17,474	3	3%
Nebraska	\$180,000	\$180,000	.	1	1%
New Hampshire	\$175,000	\$175,000	.	1	1%
New Jersey	\$146,333	\$145,000	\$7,095	3	3%
New York	\$155,591	\$148,500	\$38,107	11	10.9%
North Carolina	\$106,500	\$103,500	\$14,154	5	5%
Ohio	\$132,000	\$132,000	\$12,000	3	3%
Oklahoma	\$112,500	\$112,500	\$31,820	2	2%
Oregon	\$165,000	\$165,000	.	1	1%
Pennsylvania	\$116,000	\$114,000	\$10,100	4	4%
Rhode Island	\$145,000	\$145,000	.	1	1%
Tennessee	\$94,000	\$94,000	\$5,657	2	2%
Texas	\$126,667	\$125,000	\$19,916	6	5.9%
Utah	\$125,500	\$125,500	.	1	1%
Virginia	\$132,943	\$132,943	\$4,162	2	2%
Washington	\$152,500	\$152,500	\$24,749	2	2%
<b>Total</b>	<b>\$133,398</b>	<b>\$130,000</b>	<b>\$25,964</b>	<b>99</b>	<b>100%</b>

### Overall Average Annual Compensation Based on Education

<b>Highest degree obtained</b>	<b>Current annual salary</b>			
	Mean	Median	Standard Deviation	Total N
Hospital certificate	\$145,000	\$145,000	.	1
Associate's degree	\$139,500	\$114,000	\$59,293	4
Bachelor's degree	\$133,777	\$132,000	\$26,679	34
Master's degree	\$131,332	\$130,000	\$24,676	59
Doctoral degree (e.g., MD, DHA, DHSc, EdD, Ph.D.)	\$125,000	\$125,000	\$7,071	2
Other (please specify)	\$135,000	\$135,000	.	1
<b>Total</b>	<b>\$132,512</b>	<b>\$130,000</b>	<b>\$26,456</b>	<b>101</b>

Overall Annual Compensation Based on Years as a RA

Years as a RA	Current annual salary			
	Mean	Median	Standard Deviation	Total N
2 years or less	\$123,200	\$123,000	\$14,289	10
3 to 5 years	\$121,563	\$123,000	\$19,445	8
6 to 10 years	\$142,495	\$148,500	\$20,889	17
11 to 15 years	\$132,438	\$130,000	\$23,250	31
16 to 20 years	\$130,037	\$126,250	\$33,634	32
21 years or longer	\$163,333	\$170,000	\$16,073	3
<b>Total</b>	<b>\$132,512</b>	<b>\$130,000</b>	<b>\$26,456</b>	<b>101</b>

Overall Annual Compensation Based on Years in Medical Imaging/ Radiology

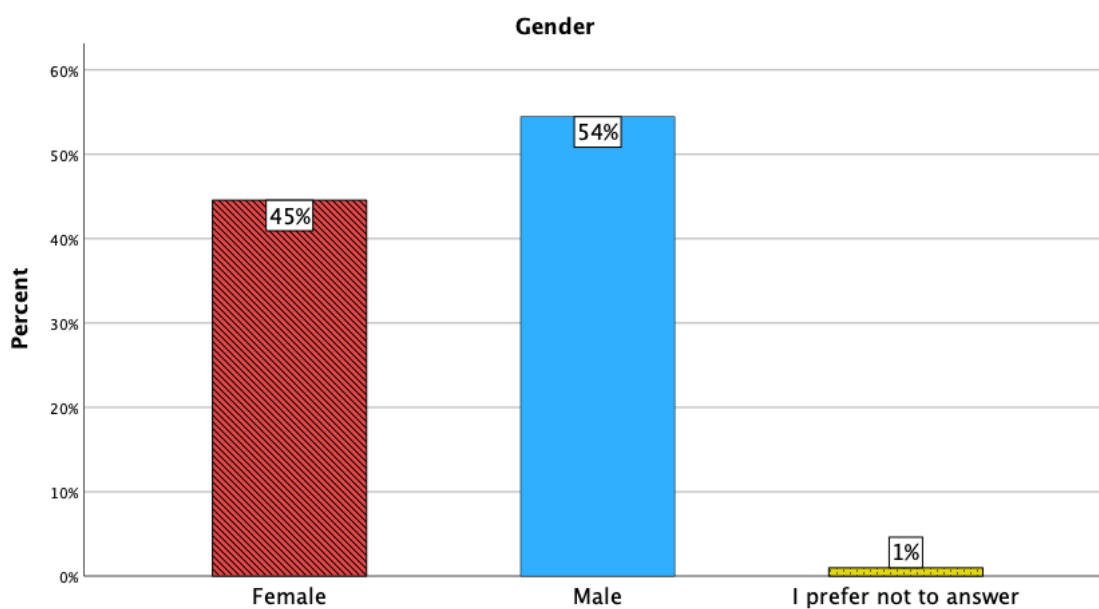
Years in medical imaging/ radiology	Current annual salary			
	Mean	Median	Standard Deviation	Total N
6 to 10 years	\$134,958	\$138,500	\$14,442	12
11 to 15 years	\$137,461	\$140,000	\$19,893	15
16 to 20 years	\$125,706	\$122,500	\$20,776	20
21 to 25 years	\$135,901	\$130,000	\$25,169	17
26 to 30 years	\$127,733	\$125,000	\$32,709	16
31 years or more	\$134,733	\$132,000	\$36,150	21
<b>Total</b>	<b>\$132,512</b>	<b>\$130,000</b>	<b>\$26,456</b>	<b>101</b>

## Demographics

Some percentages may not calculate to 100% due to rounding.

What is your gender?

Gender	N	Valid N %
Female	45	44.6%
Male	55	54.5%
I prefer not to answer	1	1.0%
Total	101	100.0%

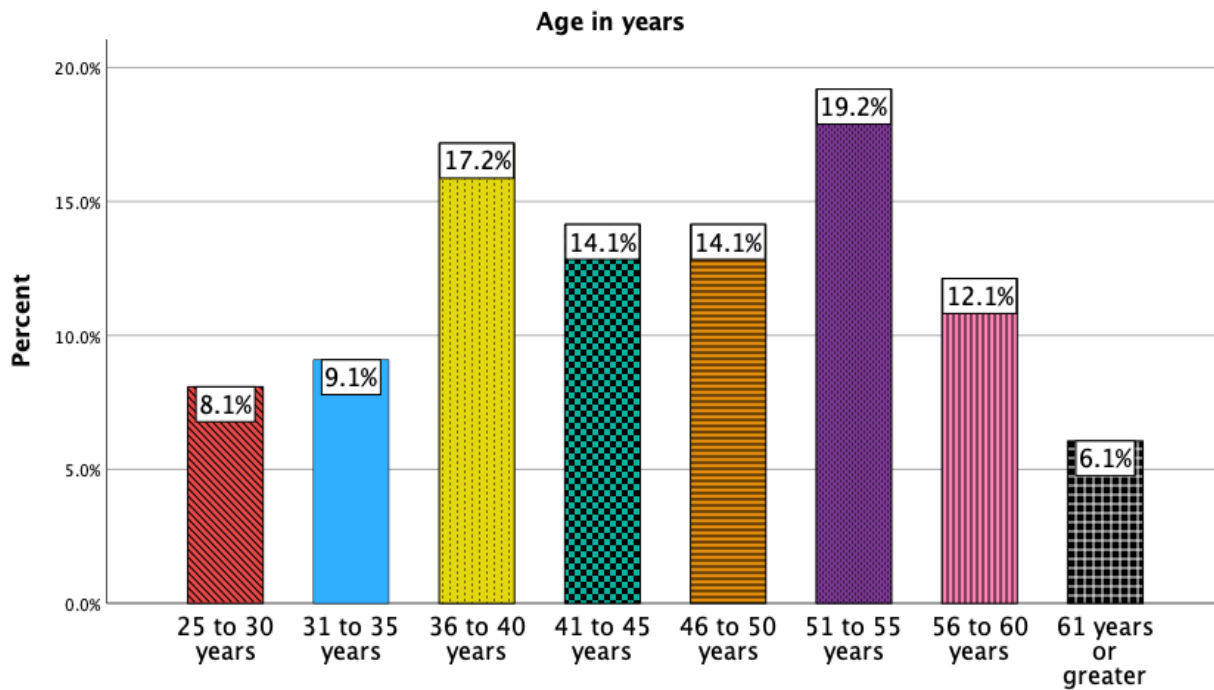


What is your current age (in years)?

The average age of respondents was 45.89 years.

Age		
N	Valid	99
	Missing	2
Mean		45.89
Median		46.00
Std. Deviation		10.066
Range		43
Minimum		27
Maximum		70

Age in years	N	Valid N %
25 to 30 years	8	8.1%
31 to 35 years	9	9.1%
36 to 40 years	17	17.2%
41 to 45 years	14	14.1%
46 to 50 years	14	14.1%
51 to 55 years	19	19.2%
56 to 60 years	12	12.1%
61 years or greater	6	6.1%
Total	99	100.0%

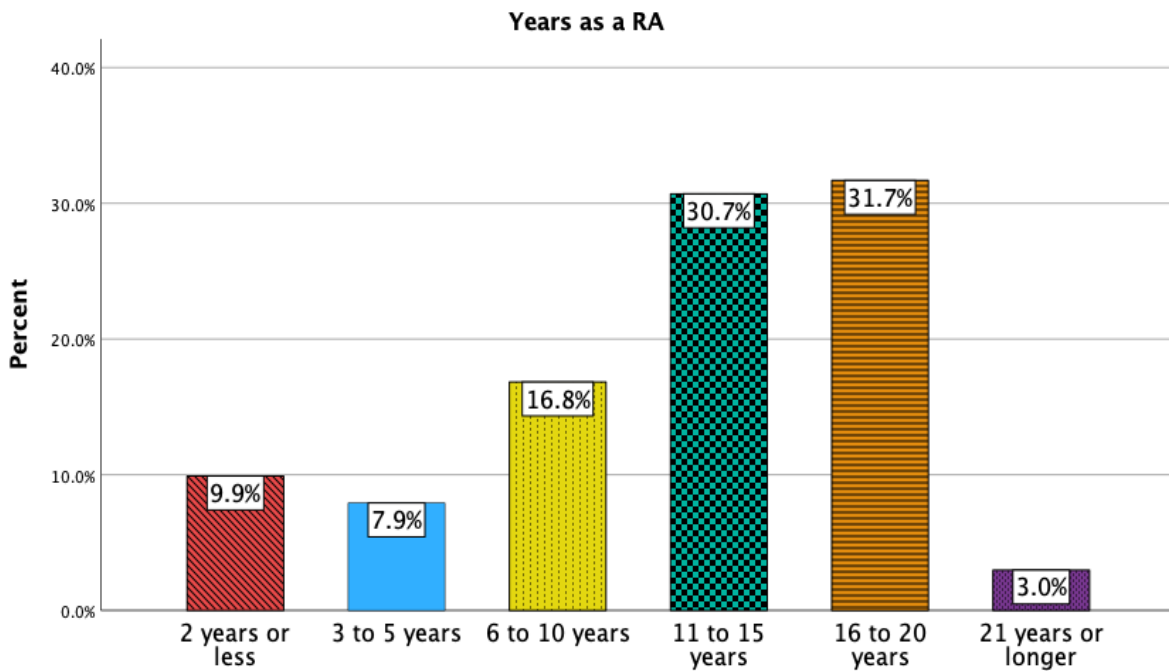


**How many years have you been a Radiologist Assistant?**

*The average number of years respondents have been Radiologist Assistants was 12.03 years.*

Years as a Radiologist Assistant		
N	Valid	101
	Missing	0
Mean		12.03
Median		13.00
Std. Deviation		5.890
Range		22
Minimum		1
Maximum		23

Years as a Radiologist Assistant	N	Valid N %
2 years or less	10	9.9%
3 to 5 years	8	7.9%
6 to 10 years	17	16.8%
11 to 15 years	31	30.7%
16 to 20 years	32	31.7%
21 years or longer	3	3.0%
<b>Total</b>	<b>101</b>	<b>100.0%</b>

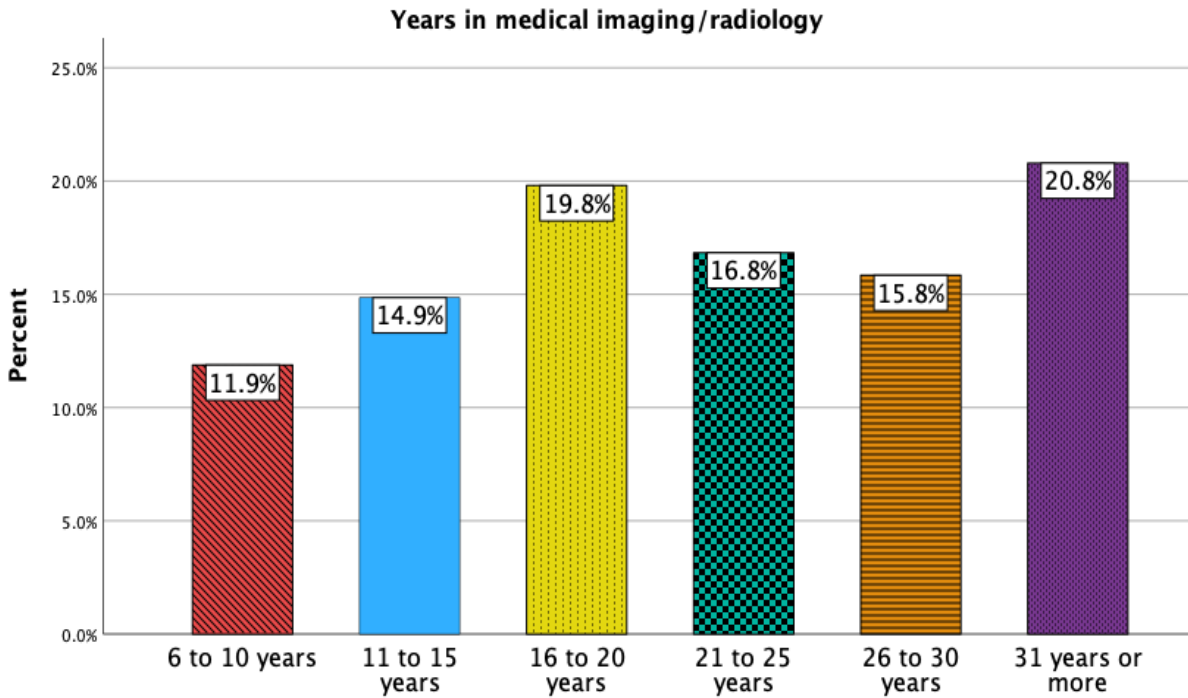


How many years have you worked in medical imaging/radiology? (Please include your years as a Radiologist Assistant)

*Respondents have been in medical imaging/ radiology for an average of 22.6 years.*

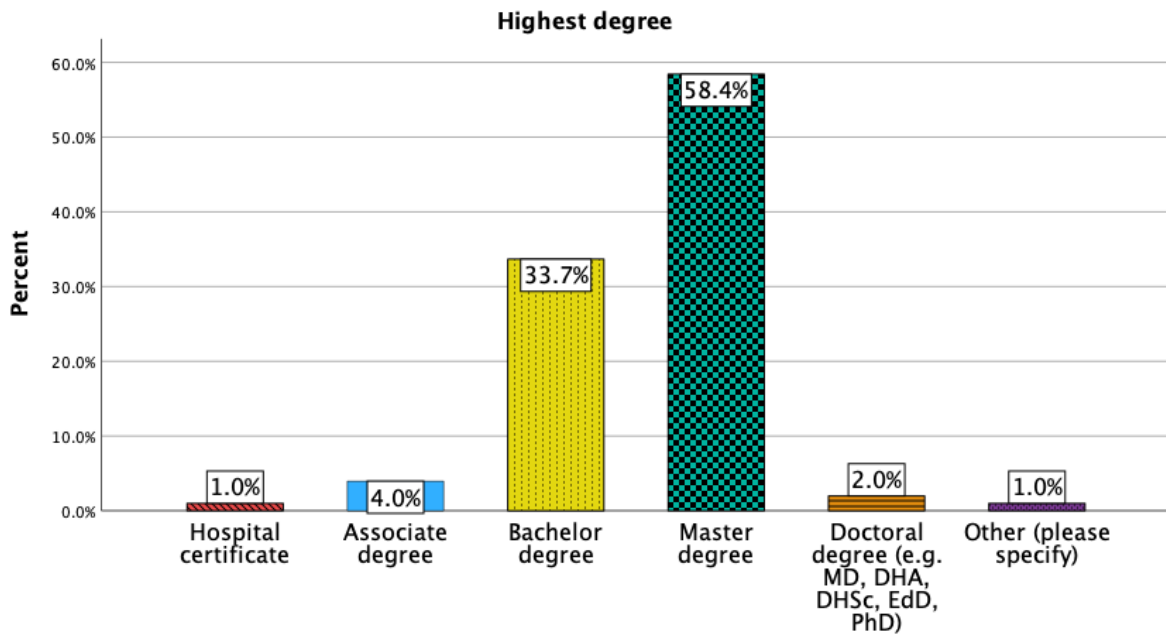
Years in medical imaging/ radiology		
N	Valid	101
	Missing	0
Mean		22.60
Median		23.00
Std. Deviation		9.865
Range		38
Minimum		6
Maximum		44

Years in medical imaging/radiology	N	Valid N %
6 to 10 years	12	11.9%
11 to 15 years	15	14.9%
16 to 20 years	20	19.8%
21 to 25 years	17	16.8%
26 to 30 years	16	15.8%
31 years or more	21	20.8%
Total	101	100.0%



What is the highest degree you have received?

Highest Degree	N	Valid N %
Hospital certificate	1	1.0%
Associate's degree	4	4.0%
Bachelor's degree	34	33.7%
Master's degree	59	58.4%
Doctoral degree (e.g. MD, DHA, DHSc, EdD, PhD)	2	2.0%
Other (please specify)	1	1.0%
Total	101	100.0%

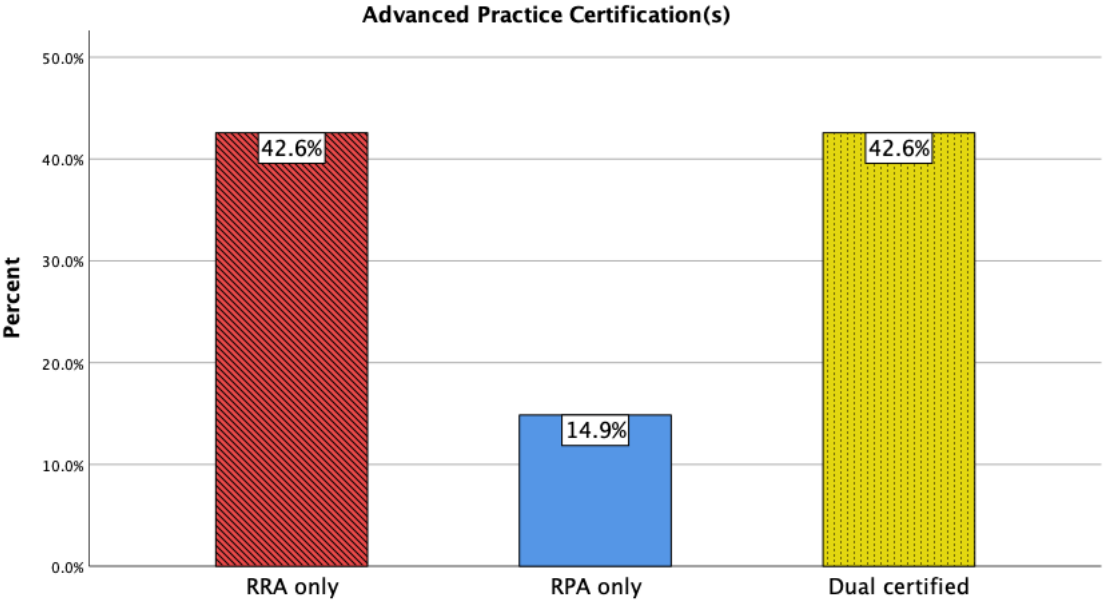


Please select all certifications you have obtained.

All RAs are ARRT-registered radiologic technologists with certification in radiography (RT(R)). Some RAs have obtained one, or more, post-primary certifications beyond their advanced practice certification and the radiography certification.

Advanced Practice Certification(s)

Advanced Practice Certification(s)	N	Valid N %
RRA only	43	42.6%
RPA only	15	14.9%
Dual certified	43	42.6%
Total	101	100.0%





Post-primary Certification(s)

Post-primary Certification(s)	Count	% of cases
Bone Densitometry (BD)(ARRT)	0	0%
Computed Tomography (CT)(ARRT)	29	20.3%
Magnetic Resonance (MR)(ARRT)	12	8.4%
Mammography (M)(ARRT)	9	6.3%
Nuclear Medicine (N)(ARRT)	1	0.07%
Nuclear Medicine Technology (NMTCB)	1	0.07%
Sonography (S)(ARRT)	2	1.4%
Sonography (ARDMS)	6	4.2%
Vascular Sonography (VS)(ARRT)	2	1.4%
Breast Sonography (BS)(ARRT)	2	1.4%
Cardiovascular (CV)(ARRT)	11	7.7%
Cardiac Interventional (CI)(ARRT)	1	0.07%
Vascular Interventional (VI)(ARRT)	9	6.3%
Registered Cardiovascular Invasive Specialist (RCIS)(CCI)	0	0%
Quality Management (QM)(ARRT)	2	1.4%
Radiation Therapy (T)(ARRT)	0	0%
Other	2	1.4%
Total	143	

In which state(s) do you live and work?

State	Live	Work
Arizona	3	3
Arkansas	2	2
California	2	2
Colorado	5	5
Connecticut	5	0
Florida	9	9
Georgia	1	1
Indiana	6	6
Iowa	6	7
Kansas	3	3
Maryland	1	0
Massachusetts	4	6
Michigan	1	1
Mississippi	1	1
Missouri	3	3
Montana	3	3
Nebraska	1	0
New Hampshire	1	0
New Jersey	3	0
New York	11	19
North Carolina	5	5
Ohio	4	4
Oklahoma	2	2
Oregon	1	1
Pennsylvania	4	5
Rhode Island	1	0
Tennessee	2	2
Texas	6	6
Utah	1	1
Virginia	2	2
Washington	2	2
<b>Total</b>	<b>101</b>	<b>101</b>

## Employment

Which of the following categories best describes your employment status?

Employment status	N	Valid n %
Employed, Full-time (36 or more hours a week)	99	98.0%
Employed, Part-time (35 or less hours a week)	2	2.0%
Employed, PRN (as needed)	0	0%
Not currently employed, looking	0	0%
Not currently employed, not looking	0	0%
Retired	0	0%
<b>Total</b>	<b>101</b>	<b>100.0%</b>

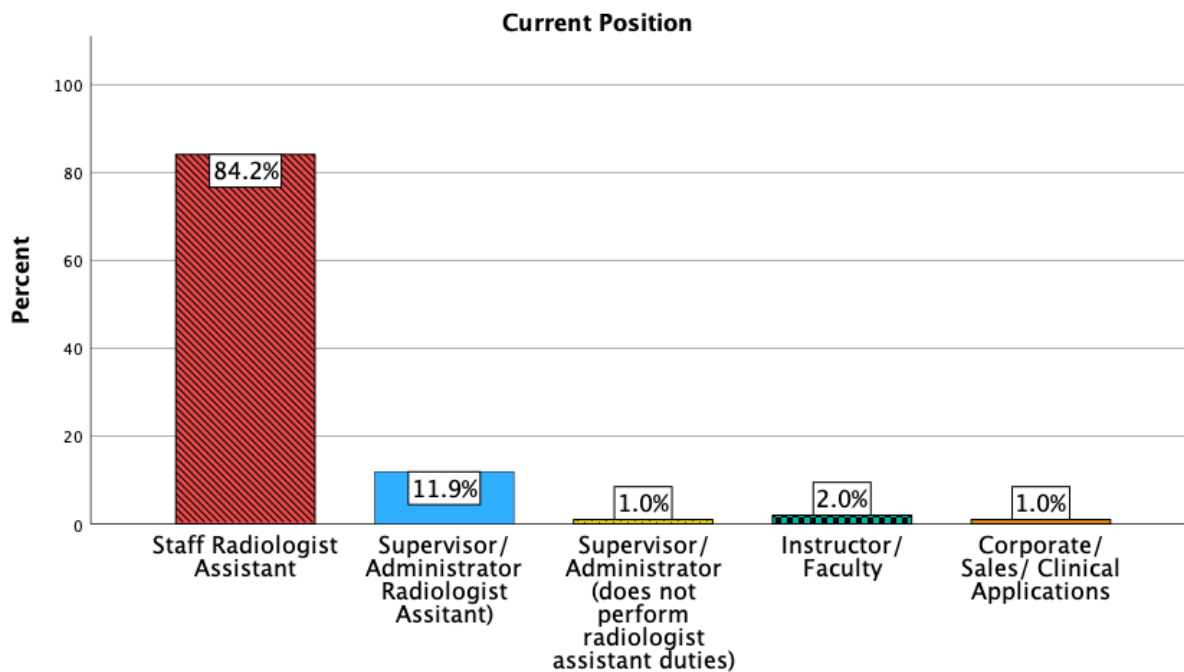
If you work Part-time or PRN, how many hours a week do you work?

*Part-time or PRN RA work an average of 22.67 hours a week.*

Part-time or PRN hours		
N	Valid	3
	Missing	98
Mean		22.67
Median		24.00
Std. Deviation		10.066
Range		20
Minimum		12
Maximum		32

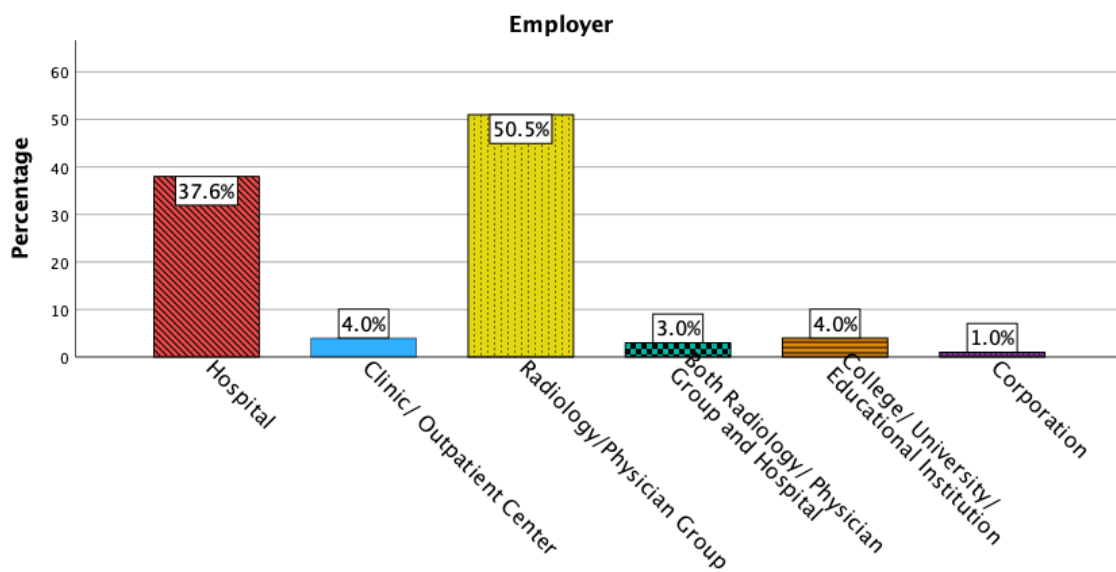
What is your current position?

Current Position	N	Valid N %
Staff RA (performs RA duties but does not supervise other RAs)	85	84.2%
Supervisor/ Administrator RA (performs RA duties and supervises other RAs)	12	11.9%
Supervisor/ Administrator (does not perform RA duties but supervises other staff)	1	1.0%
Instructor/ Faculty	2	2.0%
Corporate/ Sales/ Clinical Applications	1	1.0%
Total	101	100.0%



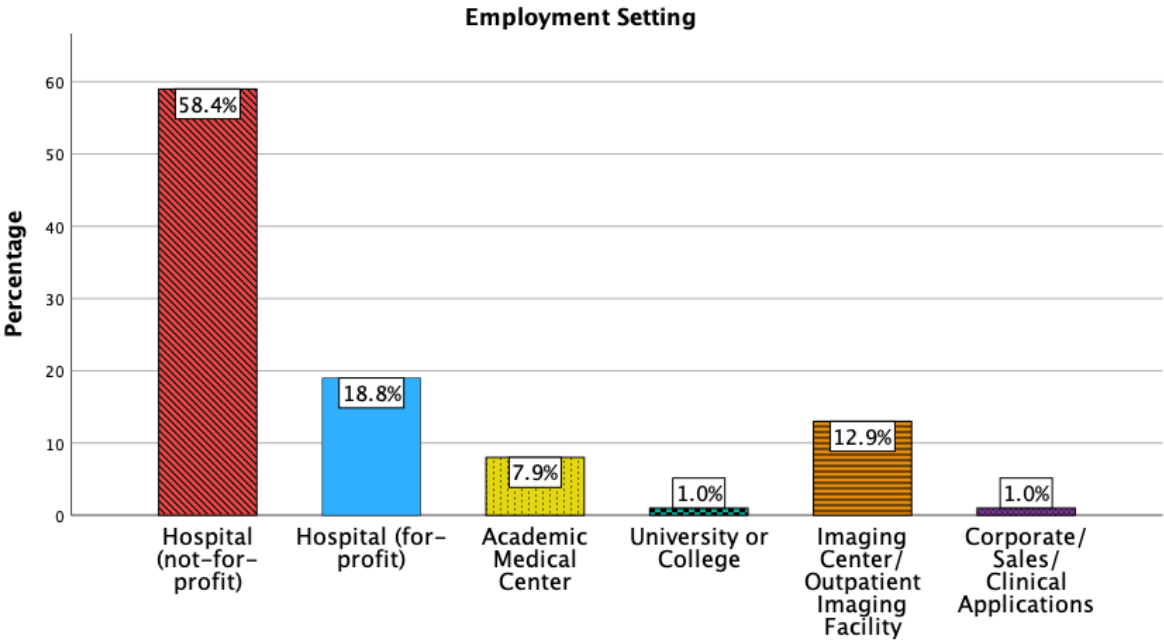
Who is your employer?

Employer	N	Valid N %
Hospital	38	37.6%
Clinic/ Outpatient Center	4	4.0%
Radiology/Physician Group	51	50.5%
Both Radiology/ Physician Group and Hospital	3	3.0%
College/ University/ Educational Institution	4	4.0%
Corporation	1	1.0%
Total	101	100.0%



In which employment setting do you *primarily* practice? (Practice over 50% of the time)

Employment setting	N	Valid N %
Hospital (not-for-profit)	59	58.4%
Hospital (for-profit)	19	18.8%
Hospital (rural critical access)	0	0%
Academic Medical Center (Hospital associated with a medical school)	8	7.9%
University or College	1	1.0%
Imaging Center/ Outpatient Imaging Facility	13	12.9%
Physician's office	0	0%
Corporate/ Sales/ Clinical Applications	1	1.0%
Total	101	100.0%



If your *primary* practice setting is a hospital, how many beds are at the facility?

Beds		N	Valid N %
	Fewer than 50 beds	2	2.3%
	50-99 beds	3	3.5%
	100-199 beds	6	7.0%
	200-299 beds	14	16.3%
	300-399 beds	14	16.3%
	400-499 beds	13	15.1%
	500 beds or more	34	39.5%
	Total	86	100.0%

What benefits do you receive? (Select all that apply)

Benefits	N	Valid N %
Medical Insurance	99	98%
Dental Insurance	92	91.1%
Vision Insurance	84	83.2%
Retirement/ Pension	94	93.1%
Tuition Assistance	44	43.6%
CE Assistance/ Conference Assistance	83	82.2%
Professional Association Dues	72	71.3%
Other (please specify)	7	6.9%

How many weeks of Vacation/ Paid time off (PTO) do you receive per year?

*Employees received an average of 5.14 weeks of vacation/ Paid Time Off (PTO) per year.*

Weeks of Vacation/PTO		
N	Valid	101
	Missing	0
Mean		5.138
Median		5.000
Std. Deviation		1.4886
Range		10.0
Minimum		2.0
Maximum		12.0

Do you take call as a Radiologist Assistant?

Call	N	Valid N %
Yes	18	17.8%
No	83	82.2%
Total	101	100.0%

If you take call as a Radiologist Assistant, how many days a month are you on call?  
*Radiologist Assistants who take call average 5.28 days of call per month.*

Call days a month		
N	Valid	18
	Missing	83
Mean		5.28
Median		4.00
Std. Deviation		3.832
Range		13
Minimum		2
Maximum		15

Do you rotate between different hospitals/clinics as a Radiologist Assistant?

Rotate between different hospitals/clinics	N	Valid N %
Yes	46	46.0%
No	54	54.0%
Total	100	100.0%

If you rotate between hospitals/ clinics, how many different facilities do you rotate?

Facilities rotated	N	Valid N %
1 to 3 facilities	28	60.9%
4 to 6 facilities	15	32.6%
7 to 9 facilities	1	2.2%
10 or more facilities	2	4.3%
Total	46	100.0%



## Clinical Practice

Which of the following best describes your current duties?

Current duties	N	Valid N %
Procedural-based (procedure performance, protocol, etc.)	51	50.5%
Clinical based (patient management, patient consult, etc.)	0	0%
Both Clinical and Procedural based	45	44.6%
Not currently working as a RA	4	4.0%
Other (please specify)	1	1.0%
<b>Total</b>	<b>101</b>	<b>100.0%</b>

Which area do you *primarily* work in as a Radiologist Assistant? (Practice over 50% of the time)

Area of work	N	Valid N %
Diagnostic imaging	59	58.4%
Interventional radiology	33	32.7%
Pain Management/ Joint Injection	4	4.0%
Not currently working as a RA	3	3.0%
Other (please specify)	2	2.0%
<b>Total</b>	<b>101</b>	<b>100.0%</b>

If not currently working as a Radiologist Assistant, in which area do you *primarily* work?

Not currently working as a Radiologist Assistant		
Area of work	N	Valid N %
Interventional radiology	1	33.3%
Education	1	33.3%
Corporate/ Sales/ Clinical Applications	1	33.3%
<b>Total</b>	<b>3</b>	<b>100.0%</b>

Select all patient procedures you perform as a Radiologist Assistant in your place of employment.

Procedure	N	% of cases
Esophogram	82	81.2%
Modified Barium Swallow/ Videofluoroscopic Swallowing Evaluation	81	80.2%
Upper GI	82	81.2%
Small Bowel Follow Through	81	80.2%
Contrast Enema	80	79.2%
Post-operative GI evaluation	78	77.2%
Chest fluoroscopy (sniff test)	80	79.2%
Nasogastric tube/ Nasojejunal tube placement	60	59.4%
Percutaneous gastrostomy or gastrojejunostomy tube evaluation	65	64.4%
Percutaneous gastrostomy or gastrojejunostomy tube placement	23	22.8%
Defecography	23	22.8%
Voiding cystourethrography (VCUG)/ Cystography	82	81.2%
Retrograde urethrography	59	58.4%
Loopography/ Urinary diversion study	65	64.4%
Antegrade nephrostography	44	43.6%
Hysterosalpingography/ Hysterosonography	57	56.4%
Arthrogram/ Joint injection/ Joint aspiration	74	73.3%
Bursa injection/ aspiration	56	55.4%
Myelogram/ Intrathecal injection	70	69.3%
Lumbar puncture for CSF analysis	72	71.3%
Cisternography	30	29.7%
Nerve block/ Epidural steroid injection	20	19.8%
Thoracentesis	60	59.4%
Paracentesis	67	66.3%
Abscess/ Sinus/ Fistula tract study	72	71.3%
Drainage catheter placement for ascites	45	44.6%
Drainage catheter placement for pleural effusion	43	42.6%
Placement of catheter for pneumothorax	34	33.7%
Drainage catheter placement for abscess/ hematoma/ cyst	43	42.6%
Drainage tube/ catheter exchange	43	42.6%
Peripherally inserted central catheter (PICC)/ Midline catheter placement	43	42.6%
Central line/ Non-tunneled catheter placement	31	30.7%
Dialysis/ Tunneled catheter placement	26	25.7%

Port placement	21	20.8%
Venous access removal (port/ dialysis catheter)	32	31.7%
Venous access catheter exchange	30	29.7%
Biopsy (Liver, Lung, Renal, Thyroid, Lymph node, Bone, Superficial mass, Bone marrow)	53	52.5%
Breast localization/ Breast biopsy/ Breast cyst aspiration	11	10.9%
Sentinel node injection	18	17.8%
Venography	23	22.8%
Vein therapy/ Sclerotherapy	4	4.0%
Arteriovenous (AV) graft declot/ Thrombolysis	10	9.9%
Inferior vena cava (IVC) filter placement	17	16.8%
Other (please specify)	5	5.0%

Select all patient management duties you perform as a Radiologist Assistant in your place of employment.

<b>Patient Management Duties</b>	<b>N</b>	<b>% of cases</b>
Record information in the patient record	90	89.1%
Perform physical examination and analysis of data	52	51.5%
Review imaging procedures, make initial observations, and communicate observations to the radiologist	94	93.1%
Advocate for patient radiation safety and protection	86	85.1%
Participate in informed consent	88	87.1%
Participate in patient education	93	92.1%
Document fluoroscopy time	88	87.1%
Administer contrast, medications, and radiopharmaceuticals as prescribed	88	87.1%
Provide physician-prescribed pre- and post-care instruction	79	78.2%
Participate in the administration of moderate (conscious) sedation	14	13.9%
Observe and assess a patient who has received moderate sedation	26	25.7%
Communicate the radiologist's findings to the appropriate healthcare provider	87	86.1%
Write patient admission and/or discharge summary for review and co-signature	37	36.6%
Assist with data collection and review/ Research	39	38.6%
Follow-up (round) on patients after procedures	40	39.6%
Respond to medical emergencies in the radiology department	54	53.5%
Other (please specify)	2	2%