# Management Chapter Survey 

A Nationwide Survey of Radiologic Technologist Managers Conducted by the American Society of Radiologic Technologists

January, 2015


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## Executive Summary

## Introduction

The ASRT Management Chapter Survey was made available in late August, 2014 to all 13,708 ASRT members who designated management as their primary level of employment. A total of 1,077 (8\%) responded to the survey.

This sample size yields a margin of error for overall percentages (width of the 95\% confidence interval for the population percentage) of a maximum $\pm 3 \%$.

## Personal Demographics

Respondents were asked to identify their primary job title: $29.1 \%$ said they are managers, $19.6 \%$ said they are directors, $15.1 \%$ said they are lead technologist/therapists, $14.3 \%$ said they are chief technologist/therapists, and $11.0 \%$ said they are supervisors. The remaining $10.9 \%$ of respondents chose other titles, with fewer than $5.0 \%$ of the choosing any single other title.

The average respondent holds 2 certifications in the radiologic sciences. The most commonly held certifications are radiography ( $92.6 \%$ ), mammography ( $22.4 \%$ ), computed tomography (20.3\%), and radiation therapy (19.8\%). The least commonly held certifications are vascular sonography (1.1\%), cardiac interventional (1.0\%), CIIP ( $0.8 \%$ ) and registered radiologist assistant or RPA (0.2\%).

Asked about their highest level of education achieved, $30.6 \%$ of respondents said their highest level of education is an associate degree, $30.3 \%$ said they have a bachelor's degree, $19.7 \%$ have a certification, and $17.8 \%$ have a master's degree. Only $0.8 \%$ each listed a doctoral degree or "other" as their highest level of education.

The average respondent has 26 years of experience in the radiologic sciences, and 14 years of experience in a supervisory role.

Respondents were asked about receiving a bonus; 71.4\% said they receive no bonus and $28.6 \%$ said they do get a bonus. Of those who receive a bonus, the bonus is, on average $3.85 \%$ of their base salary in the case of the 77 respondents who expressed their bonus as a percentage or $\$ 5,680.97$ for those 183 respondents who expressed their bonus in a dollar amount.

## Job Activities

Respondents were asked to indicate their five most important job functions. The most commonly chosen responses were performance improvement ( $44.7 \%$ ), quality assurance/quality control ( $44.1 \%$ ), annual reviews and evaluations (43.9\%), budgeting (39.8\%) and accreditation (35.5\%).

Asked to rate the most effective method for communicating with staff, the vast majority of respondents (77.2\%) find
face-to-face to be the most effective communication method; $17.5 \%$ find e-mail most effective, $2.7 \%$ prefer texting, and only $0.7 \%$ find phone calls to be the most effective communication method. The remaining 1.9\% selected "other".

Overall, most respondents have at least some purchasing influence at their workplace. While only 16.1\% have final decision making authority for major equipment purchases, $72.0 \%$ have some influence on such decisions; $43.7 \%$ have final say on the purchase of supplies, while $48.8 \%$ have some influence; for devices, such as injectors, $22.2 \%$ have full purchasing authority, and another $59.2 \%$ have some influence; and finally, regarding education, 31.3\% have final decision-making authority while $58.1 \%$ have some influence.

Responses related to purchasing were crosstabulated by the respondent's job title:

- For major equipment purchases, $42.0 \%$ of directors/administrators said they have final decision making authority, compared to $16.1 \%$ of respondents overall.
- For purchases of supplies, $51.2 \%$ of managers said they have final decision making authority, compared to $43.7 \%$ overall.
- For purchases of devices, such as injectors, 48.1\% of directors/administrators said they have final decision making authority, compared to 22.2\% overall.
- For decisions regarding education, educators were most likely to have final decision making authority ( $53.3 \%$ ), however, there were only 15 educators responding to the question. Among the more broadly represented titles, directors/administrators were again most likely to have the final say ( $53.3 \%$ compared to $31.3 \%$ overall).


## Personnel Demographics

The average respondent manages 4.2 modalities. Administrators and Directors manage the most modalities at 7.8, while Assistant chief technologist/therapists manage the fewest at 1.3.

The average respondent has 16.6 full-time equivalents (FTEs) reporting directly to them, with 40.7 FTEs in a department. Administrators and Directors have the highest number of direct reports.

On average, respondents are separated from the CEO of their organization by 2.4 levels of management.

Responses pertaining to organizational hierarchy were crosstabulated by the respondent's title and the average number of beds at the respondent's facility.

- On average, directors/administrators have only 1.4 positions between themselves and the CEO, and work at a facility with 247 beds.
- Managers, on average, have 2.4 positions between themselves and the CEO, and work at a facility with an average of 311 beds.
- Chief technologists/therapists have an average of 2.7 positions between themselves and the CEO, and work at a facility with an average of 310 beds.
- Lead technologists/therapists have an average of 3.8 positions between themselves and the CEO and work at a facility with an average of 283 beds.
- On average, supervisors have 3.0 positions between themselves and the CEO and work at a facility with an average of 287 beds.

Asked how frequently they hold face-to-face meetings with their direct reports, $43.4 \%$ of respondents said "daily", $27.9 \%$ said "weekly", $20.9 \%$ said "monthly", $4.9 \%$ said "quarterly", $1.8 \%$ said "annually" and the remaining 1.2\% said "biannually".

Asked whether they survey satisfaction:

- $67.8 \%$ survey physician satisfaction.
- $81.9 \%$ survey employee satisfaction
- $93.0 \%$ survey patient satisfaction

The majority of respondents do not oversee the crosstraining of staff technologists in CT, MR or PET: 54.8\% say they do not, while $45.2 \%$ say they do.

The majority of respondents (53.0\%) believe that managers should hold at least a bachelor's degree; $24.7 \%$ said that an associate degree should be the minimum requirement; $13.9 \%$ said certification; $5.4 \%$ said that a master's degree should be required; and $3.1 \%$ believe there should be some other minimum educational level.

Responses related to minimum education levels were crosstabulated by the respondent's level of education.

- Those holding a certificate generally believed that a certificate was the minimum educational level that a manager should have ( $55.0 \%$ ). Interestingly, the next most common educational requirement among this group was a bachelor's degree (27.2\%).
- Those with an associate degree generally believed that an associate degree should be the minimum requirement (64.1\%).
- Those with a bachelor's degree overwhelming favored a bachelor's degree as the minimum requirement (84.5\%).
- Those with a master's degree also favored a bachelor's degree as the minimum requirement (77.4\%).
- Those with a doctoral degree were most likely to think that managers should have at least a master's degree ( $50.0 \%$ ), however, there were relatively few respondents (8) who hold a doctoral degree.


## Facility Demographics

Respondents were asked several questions about their facility's budget. On average, the facilities surveyed have:

- An operating budget of $\$ 18,394,916$
- A capital budget of $\$ 2,844,709$
- An education budget of $\$ 700$ per employee

The majority of respondents (61.6\%) do not supervise staff at more than one facility; however, a sizable minority ( $38.4 \%$ ) do supervise staff at more than one facility. On average, those who oversee more than one facility manage staff at 4 facilities.

Responses related to facilities managed were crosstabulated by the respondent's job title and the number of employees reporting directly to them.

- Managers who supervise staff at more than one facility do so at an average of 4.4 facilities, with an average of 6.9 direct reports per facility.
- Directors/administrators who supervise staff at more than one facility do so at an average of 4.2 facilities with an average of 7.3 direct reports per facility.
- Supervisors who manage staff at more than one facility do so at an average of 3.0 facilities with an average of 5.9 direct reports per facility.
- Chief technologists/therapists who supervise staff at more than one facility do so at an average of 2.8 facilities with an average of 5.4 direct reports per facility.

Asked if their facility is used as a clinical rotation site for an educational program, $65.7 \%$ of respondents said yes and $34.3 \%$ said no. The modalities most often used for these clinical rotations are radiography (76.6\%), sonography ( $46.4 \%$ ), computed tomography (31.0\%), MRI (25.1\%), and radiation therapy (20.1\%).

Respondents are most likely to work at a non-profit, community-based hospital ( $36.6 \%$ ); $17.3 \%$ work at a clinic or physician's office; $11.9 \%$ work at an academic medical center, $11.7 \%$ work at an imaging center, and $7.9 \%$ work at a for-profit community-based hospital. No single other work setting claimed more than $3.0 \%$ of respondents.

On average, there are 288 beds at hospitals.
A plurality of respondents (40.2\%) work at a facility that serves a suburban community; $30.1 \%$ work in an urban setting, and $29.7 \%$ work in a rural setting.

The average facility performs 61,225 procedures per year, and sees 30,374 patients per year. This yields an average 2.02 procedures per patient. There is a very strong
correlation between number of procedures per year and number of patients per year, $r(478)=.925, p<.001$.

## Personal Demographics

What is your primary job title?

|  | Frequency | Valid <br> Percent |
| :--- | ---: | ---: |
| Manager | 303 | $29.1 \%$ |
| Director | 204 | $19.6 \%$ |
| Lead technologist/therapist | 157 | $15.1 \%$ |
| Chief technologist/therapist | 149 | $14.3 \%$ |
| Supervisor | 114 | $11.0 \%$ |
| Administrator | 40 | $3.8 \%$ |
| Educator | 15 | $1.4 \%$ |
| Performance improvement / quality <br> assurance | 8 | $0.8 \%$ |
| PACS administrator | 7 | $0.7 \%$ |
| Assistant chief technologist/therapist | 6 | $0.6 \%$ |
| Other | 37 | $3.6 \%$ |
| Total | $\mathbf{1 0 4 0}$ | $\mathbf{1 0 0 . 0} \%$ |

What is your primary job title?


What certifications and credentials in the radiologic sciences do you hold?

|  | $\mathbf{N}$ | Percent of Cases |
| :--- | ---: | ---: |
| Radiography | 963 | $92.6 \%$ |
| Mammography | 233 | $22.4 \%$ |
| Computed Tomography | 211 | $20.3 \%$ |
| Radiation Therapy | 206 | $19.8 \%$ |
| Magnetic Resonance | 109 | $10.5 \%$ |
| CRA | 55 | $5.3 \%$ |
| Nuclear Medicine Technology | 47 | $4.5 \%$ |
| Cardiovascular | 36 | $3.5 \%$ |
| RDMS | 32 | $3.5 \%$ |
| Quality Management | 31 | $3.1 \%$ |
| CNMT | 30 | $3.0 \%$ |
| Sonography | 23 | $2.9 \%$ |
| Bone Densitometry | 22 | $2.2 \%$ |
| Vascular Interventional | 15 | $2.1 \%$ |
| Breast Sonography | 11 | $1.4 \%$ |
| Vascular Sonography | 10 | $1.1 \%$ |
| Cardiac Interventional | 8 | $1.0 \%$ |
| CIIP | 2 | $.8 \%$ |
| Registered Radiologist Assistant or RPA | $.2 \%$ |  |

## Number of Certifications Held

| $\mathbf{N}$ | Mean | $\boldsymbol{S D}$ | $\mathbf{5}^{\text {th }}$ <br> Percentile | $\mathbf{2 5}^{\text {th }}$ <br> Percentile | $\mathbf{5 0}^{\text {th }}$ <br> Percentile | $\mathbf{7 5}^{\text {th }}$ <br> Percentile | $\mathbf{9 5}^{\text {th }}$ <br> Percentile |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1040 | 2.0 | 1.0 | 1.0 | 1.2 | 1.9 | 2.7 | 3.9 |

What certifications and credentials in the radiologic sciences do you hold?


What is the highest level of education you have achieved?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Certification | 204 | $19.7 \%$ |
| Associate degree | 316 | $30.6 \%$ |
| Bachelor's degree | 313 | $30.3 \%$ |
| Master's degree | 184 | $17.8 \%$ |
| Doctorate degree | 8 | $0.8 \%$ |
| Other | 8 | $0.8 \%$ |
| Total | $\mathbf{1 0 3 3}$ | $\mathbf{1 0 0 . 0 \%}$ |

What is the highest level of education you have achieved?


Years of Experience

|  | $\mathbf{N}$ | Mean | $\mathbf{S D}$ | $\mathbf{5}^{\text {th }}$ <br> Percentile | $\mathbf{2 5}^{\text {th }}$ <br> Percentile | $\mathbf{5 0}^{\text {th }}$ <br> Percentile | $\mathbf{7 5}^{\text {th }}$ <br> Percentile | $\mathbf{9 5}^{\text {th }}$ <br> Percentile |
| :--- | :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| In the radiologic <br> sciences | 1032 | 26 | 10 | 8 | 19 | 26 | 34 | 41 |
| As a supervisor | 1021 | 14 | 9 | 2 | 7 | 13 | 29 | 32 |

Do you receive an annual bonus based on performance?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Yes | 297 | $28.6 \%$ |
| No | 740 | $71.4 \%$ |
| Total | $\mathbf{1 0 3 7}$ | $\mathbf{1 0 0 . 0 \%}$ |

Do you receive an annual bonus based on performance?


Bonus Amount (applies only to those who said they received a bonus):

|  | $\mathbf{N}$ | Mean | $\boldsymbol{S D}$ | $5^{\text {th }}$ <br> Percentile | $\mathbf{2 5}^{\text {th }}$ <br> Percentile | $\mathbf{5 0}^{\text {th }}$ <br> Percentile | $\mathbf{7 5}^{\text {th }}$ <br> Percentile | $\mathbf{9 5 ^ { t h }}$ <br> Percentile |
| :--- | :---: | :--- | :---: | ---: | ---: | ---: | ---: | ---: |
| Bonus as a <br> percentage | 77 | $3.85 \%$ | $4.52 \%$ | - | $1.81 \%$ | $2.77 \%$ | $3.74 \%$ | $14.12 \%$ |
| Bonus as a dollar <br> figure | 183 | $\$ 5,681$ | $\$ 6,107$ | $\$ 254$ | $\$ 1517$ | $\$ 3787$ | $\$ 7825$ | $\$ 18,350$ |

Note: Some respondents gave their bonus in absolute dollar amount while others gave a percentage of their base salary.

## Job Activities

What are your five most important job functions? (check five that apply)

|  | $\mathbf{N}$ | Percent of Cases |
| :--- | :---: | ---: |
| Performance improvement | 463 | $44.7 \%$ |
| Quality assurance/quality control | 457 | $44.1 \%$ |
| Annual reviews/evaluations | 455 | $43.9 \%$ |
| Budgeting | 412 | $39.8 \%$ |
| Accreditation | 368 | $35.5 \%$ |
| Training | 331 | $31.9 \%$ |
| Strategic planning | 328 | $31.7 \%$ |
| Safety | 320 | $30.9 \%$ |
| Patient exams | 305 | $29.4 \%$ |
| Policy development | 279 | $26.9 \%$ |
| Meetings | 219 | $21.1 \%$ |
| Office interviews/evaluations/coaching | 207 | $20.0 \%$ |
| Payroll | 205 | $19.8 \%$ |
| Equipment maintenance | 188 | $18.1 \%$ |
| Equipment acquisition | 164 | $15.8 \%$ |
| EMR | 134 | $12.9 \%$ |
| PACS administration | 109 | $10.5 \%$ |
| Teaching | 101 | $9.7 \%$ |

What are your five most important job functions? (check five that apply)


What have you found to be the most effective way to communicate with staff?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Face to face | 800 | $77.2 \%$ |
| E-mails | 181 | $17.5 \%$ |
| Texting | 28 | $2.7 \%$ |
| Phone calls | 7 | $0.7 \%$ |
| Other | 20 | $1.9 \%$ |
| Total | $\mathbf{1 0 3 6}$ | $\mathbf{1 0 0 . 0 \%}$ |

What have you found to be the most effective way to communicate with staff?


What is your level of influence in the decision to purchase the following items for your department?

|  |  | Major Equipment | Supplies | Devices, such as injectors | Education |
| :--- | :---: | ---: | ---: | ---: | ---: |
| Final decision making <br> authority | Frequency | 165 | 446 | 600 | 591 |
|  | Percent | $16.1 \%$ | $43.7 \%$ | $59.2 \%$ | $58.1 \%$ |
| No influence | Percent | 737 | 498 | 225 | 318 |
| Total | Frequency | $72.0 \%$ | $48.8 \%$ | $22.2 \%$ | $31.3 \%$ |
|  | Percent | 121 | 76 | 188 | 108 |

What is your level of influence in the decision to purchase the following items for your department?


Major Equipment - What is your level of influence in the decision to purchase the following items for your department? by
Primary Job Title

|  |  | Director or Administrator | Manager | PACS administrator | Performance improvement / quality assurance | Chief technologist/ therapist | Supervisor | Lead technologist/ therapist | ```Assistant chief technologist/ therapist``` | Educator | Other | Overall |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Final decision making authority | N | 102 | 44 | 1 | 1 | 7 | 5 | 2 | 0 | 0 | 3 | 165 |
|  | \% | 42.0\% | 14.6\% | 14.3\% | 12.5\% | 5.0\% | 4.5\% | 1.3\% | . $0 \%$ | .0\% | 8.3\% | 16.1\% |
| Some influence, e.g., as part of a decision making team. | N | 137 | 240 | 5 | 5 | 119 | 91 | 103 | 5 | 10 | 22 | 737 |
|  | \% | 56.4\% | 79.5\% | 71.4\% | 62.5\% | 84.4\% | 82.0\% | 66.9\% | 83.3\% | 66.7\% | 61.1\% | 72.0\% |
| No influence | N | 4 | 18 | 1 | 2 | 15 | 15 | 49 | 1 | 5 | 11 | 121 |
|  | \% | 1.6\% | 6.0\% | 14.3\% | 25.0\% | 10.6\% | 13.5\% | 31.8\% | 16.7\% | 33.3\% | 30.6\% | 11.8\% |
| Total | N | 243 | 302 | 7 | 8 | 141 | 111 | 154 | 6 | 15 | 36 | 1023 |
|  | \% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

Major Equipment - What is your level of influence in the decision to purchase the following items for your department? by Primary Job Title


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Supplies - What is your level of influence in the decision to purchase the following items for your department? by Primary

|  |  | Manager | Chief technologist/ therapist | Supervisor | Director o Administrator | Assistant chief technologist/ therapist | Lead technologist/ therapist | PACS administrator | Educator | Performance improvement / quality assurance | Other | Overall |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Final decision making authority | N | 154 | 72 | 54 | 116 | 2 | 40 | 1 | 2 | 1 | 4 | 446 |
|  | \% | 51.2\% | 50.7\% | 48.6\% | 47.9\% | 33.3\% | 26.1\% | 14.3\% | 13.3\% | 12.5\% | 11.4\% | 43.7\% |
| Some influence, e.g., as part of a decision making team. | N | 130 | 66 | 48 | 117 | 3 | 97 | 3 | 9 | 5 | 20 | 498 |
|  | \% | 43.2\% | 46.5\% | 43.2\% | 48.3\% | 50.0\% | 63.4\% | 42.9\% | 60.0\% | 62.5\% | 57.1\% | 48.8\% |
| No influence | N | 17 | 4 | 9 | 9 | 1 | 16 | 3 | 4 | 2 | 11 | 76 |
|  | \% | 5.6\% | 2.8\% | 8.1\% | 3.7\% | 16.7\% | 10.5\% | 42.9\% | 26.7\% | 25.0\% | 31.4\% | 7.5\% |
| Total | N | 301 | 142 | 111 | 242 | 6 | 153 | 7 | 15 | 8 | 35 | 1020 |
|  | \% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

Supplies - What is your level of influence in the decision to purchase the following items for your department? By Primary Job Title


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Devices, such as injectors - What is your level of influence in the decision to purchase the following items for your department? by Primary Job Title

|  |  | Director or Administrator | Manager | Chief technologis t/therapist | Supervisor | Educator | Lead technologist/ therapist | ```Assistant chief technologist/ therapist``` | Performance improvement / quality assurance | PACS <br> administrator | Other | Overall |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Final decision making authority | N | 117 | 72 | 15 | 9 | 1 | 8 | 0 | 0 | 0 | 3 | 225 |
|  | \% | 48.1\% | 23.9\% | 10.7\% | 8.3\% | 6.7\% | 5.3\% | .0\% | .0\% | .0\% | 8.8\% | 22.2\% |
| Some influence, e.g., as part of a decision making team. | N | 114 | 198 | 95 | 73 | 5 | 88 | 4 | 4 | 2 | 17 | 600 |
|  | \% | 46.9\% | 65.8\% | 67.9\% | 67.0\% | 33.3\% | 58.3\% | 66.7\% | 57.1\% | 28.6\% | 50.0\% | 59.2\% |
| No influence | N | 12 | 31 | 30 | 27 | 9 | 55 | 2 | 3 | 5 | 14 | 188 |
|  | \% | 4.9\% | 10.3\% | 21.4\% | 24.8\% | 60.0\% | 36.4\% | 33.3\% | 42.9\% | 71.4\% | 41.2\% | 18.6\% |
| Total | N | 243 | 301 | 140 | 109 | 15 | 151 | 6 | 7 | 7 | 34 | 1013 |
|  | \% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

Devices, such as injectors - What is your level of influence in the decision to purchase the following items for your department? by Primary Job Title


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Education - What is your level of influence in the decision to purchase the following items for your department? by Primary Job Title

|  |  | Educator | Director or Administrator | Manager | Chief technologist/ therapist | Supervisor | Performance improvement / quality assurance | Lead technologist/ therapist | Assistant chief technologist/ therapist | PACS administrator | Other | Overall |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Final decision making authority | N | 8 | 128 | 114 | 29 | 22 | 1 | 11 | 0 | 0 | 5 | 318 |
|  | \% | 53.3\% | 52.7\% | 37.9\% | 20.6\% | 20.2\% | 12.5\% | 7.3\% | . $0 \%$ | . $0 \%$ | 13.9\% | 31.3\% |
| Some influence, e.g., as part of a decision making team. | N | 7 | 105 | 171 | 98 | 71 | 7 | 98 | 5 | 5 | 24 | 591 |
|  | \% | 46.7\% | 43.2\% | 56.8\% | 69.5\% | 65.1\% | 87.5\% | 64.9\% | 83.3\% | 71.4\% | 66.7\% | 58.1\% |
| No influence | N | 0 | 10 | 16 | 14 | 16 | 0 | 42 | 1 | 2 | 7 | 108 |
|  | \% | .0\% | 4.1\% | 5.3\% | 9.9\% | 14.7\% | .0\% | 27.8\% | 16.7\% | 28.6\% | 19.4\% | 10.6\% |
| Total | N | 15 | 243 | 301 | 141 | 109 | 8 | 151 | 6 | 7 | 36 | 1017 |
|  | \% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

Education - What is your level of influence in the decision to purchase the following items for your department? by Primary Job Title


## Personnel Demographics

Which of the following modalities or tasks do you currently supervise or manage?

|  | $\mathbf{N}$ | Percent of Cases |
| :--- | ---: | ---: |
| Radiography | 555 | $55.3 \%$ |
| Computed Tomography | 445 | $44.3 \%$ |
| Magnetic Resonance Imaging | 374 | $37.3 \%$ |
| Sonography | 358 | $35.7 \%$ |
| Mammography | 351 | $35.0 \%$ |
| Bone Densitometry | 295 | $29.4 \%$ |
| Nuclear Medicine Technology | 258 | $25.7 \%$ |
| Radiation Therapy | 210 | $20.9 \%$ |
| Breast Sonography | 207 | $20.6 \%$ |
| Imaging Informatics/PACs Administrator | 202 | $20.1 \%$ |
| Quality Management | 171 | $17.0 \%$ |
| Vascular Sonography | 165 | $16.4 \%$ |
| Cardiovascular/Interventional | 146 | $14.5 \%$ |
| Breast MRI | 126 | $12.5 \%$ |
| 3D Image Prostprocessing | 114 | $11.4 \%$ |
| Fusion/PET | 89 | $8.9 \%$ |
| Cardiac Sonography | 77 | $7.7 \%$ |
| Medical Dosimetry | 49 | $4.9 \%$ |
| Registered Radiologist Assistant or RPA | 6 | $.6 \%$ |

Which of the following modalities or tasks do you currently supervise or manage?


Mean number of modalities managed by Primary Job Title

|  |  |  |  |
| :--- | ---: | ---: | ---: |
|  | $\mathbf{N}$ | Mean | SD |
| Administrator | 39 | 7.8 | 5.4 |
| Director | 197 | 7.8 | 4.6 |
| Manager | 294 | 4.4 | 3.6 |
| Supervisor | 112 | 2.7 | 2.2 |
| PACS administrator | 7 | 2.6 | 3.4 |
| Chief technologist/therapist | 145 | 2.1 | 2.2 |
| Educator | 11 | 2.0 | 1.7 |
| Performance improvement / quality | 6 | 1.8 | 2.0 |
| assurance | 142 | 1.6 | 1.2 |
| Lead technologist/therapist | 6 | 1.3 | 0.5 |
| Assistant chief technologist/therapist | 24 | 4.5 | 5.0 |
| Other | $\mathbf{9 8 3}$ | $\mathbf{4 . 2}$ | $\mathbf{4 . 1}$ |
| Total |  |  |  |

Mean Number of modalities managed by job title:


Mean number of direct reports by Primary Job Title

|  |  |  |  |
| :--- | ---: | ---: | ---: |
|  | N | Mean | SD |
| Administrator | 40 | 28.7 | 94.1 |
| Director | 196 | 23.6 | 28.4 |
| Manager | 293 | 21.6 | 22.6 |
| Educator | 11 | 16.9 | 16.5 |
| Assistant chief technologist/therapist | 6 | 13.0 | 12.8 |
| Supervisor | 111 | 12.0 | 10.4 |
| PACS administrator | 6 | 11.5 | 19.2 |
| Chief technologist/therapist | 141 | 8.6 | 14.0 |
| Performance improvement / quality | 8 | 6.4 | 12.1 |
| assurance | 136 | 5.4 | 7.9 |
| Lead technologist/therapist | 33 | 14.5 | 57.1 |
| Other | $\mathbf{9 8 1}$ | $\mathbf{1 6 . 6}$ | $\mathbf{2 9 . 7}$ |
| Total |  |  |  |

Mean number of direct reports by Job Title


How many FTEs are in your department?

| $\mathbf{N}$ | Mean | $\mathbf{S D}$ | $5^{\text {th }}$ <br> Percentile | $\mathbf{2 5}^{\text {th }}$ <br> Percentile | $\mathbf{5 0} \mathbf{0}^{\text {th }}$ <br> Percentile | $\mathbf{7 5} 5^{\text {th }}$ <br> Percentile | $\mathbf{9 5} \mathbf{t}^{\text {th }}$ <br> Percentile |
| :---: | ---: | :---: | ---: | ---: | ---: | ---: | ---: |
| 989 | 40.7 | 112.7 | 1.5 | 6.0 | 15.6 | 41.3 | 149.5 |

Mean number of positions (levels) between you and the CEO by Primary Job Title

|  | Mean | N | SD |
| :--- | ---: | ---: | ---: |
| PACS administrator | 4.0 | 5 | 1.6 |
| Lead technologist/therapist | 3.8 | 115 | 2.6 |
| Supervisor | 3.0 | 107 | 2.9 |
| Assistant chief <br> technologist/therapist | 2.8 | 4 | 1.0 |
| Chief technologist/therapist | 2.7 | 122 | 2.3 |
| Performance improvement / <br> quality assurance | 2.7 | 7 | 1.0 |
| Educator | 2.5 | 12 | 1.7 |
| Manager | 2.4 | 285 | 2.2 |
| Director | 1.4 | 194 | 1.1 |
| Administrator | 1.4 | 40 | 1.2 |
| Other | 2.6 | 27 | 2.3 |
| Total | $\mathbf{2 . 4}$ | $\mathbf{9 1 8}$ | $\mathbf{2 . 2}$ |

## Mean number of positions (levels) between you and the CEO by Job Title



How often do you meet face to face with your direct reports?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Daily | 434 | $43.4 \%$ |
| Weekly | 279 | $27.9 \%$ |
| Monthly | 209 | $20.9 \%$ |
| Quarterly | 49 | $4.9 \%$ |
| Annually | 18 | $1.8 \%$ |
| Biannually | 12 | $1.2 \%$ |
| Total | $\mathbf{1 0 0 1}$ | $\mathbf{1 0 0 . 0} \%$ |

How often do you meet face to face with your direct reports?


Is physician satisfaction surveyed?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Yes | 682 | $67.8 \%$ |
| No | 324 | $32.2 \%$ |
| Total | $\mathbf{1 0 0 6}$ | $\mathbf{1 0 0 . 0 \%}$ |

Is physician satisfaction surveyed?


Is employee satisfaction surveyed?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Yes | 823 | $81.9 \%$ |
| No | 182 | $18.1 \%$ |
| Total | $\mathbf{1 0 0 5}$ | $\mathbf{1 0 0 . 0} \%$ |

Is employee satisfaction surveyed?


Is patient satisfaction surveyed?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Yes | 944 | $93.0 \%$ |
| No | 71 | $7.0 \%$ |
| Total | $\mathbf{1 0 1 5}$ | $\mathbf{1 0 0 . 0 \%}$ |

Is patient satisfaction surveyed?


Do you oversee the cross-training of staff technologists to perform CT, MR or PET?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Yes | 459 | $45.2 \%$ |
| No | 556 | $54.8 \%$ |
| Total | $\mathbf{1 0 1 5}$ | $\mathbf{1 0 0 . 0} \%$ |

Do you oversee the cross-training of staff technologists to perform CT, MR or PET?


What minimum level of education should a manager have?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Certification | 141 | $13.9 \%$ |
| Associate degree | 251 | $24.7 \%$ |
| Bachelor's degree | 538 | $53.0 \%$ |
| Master's degree | 55 | $5.4 \%$ |
| Other | 31 | $3.1 \%$ |
| Total | $\mathbf{1 0 1 6}$ | $\mathbf{1 0 0 \%}$ |

What minimum level of education should a manager have?


What minimum level of education should a manager have? by What is the highest level of education you have achieved?

|  |  | Certification held | Associate degree held | Bachelor's degree held | Master's degree held | Doctorate degree held | Other degree held | Overall |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Minimum of Certification | N | 105 | 17 | 9 | 3 | 1 | 3 | 138 |
|  | \% | 55.0\% | 5.6\% | 3.0\% | 1.7\% | 12.5\% | 37.5\% | 14.0\% |
| Minimum of Associate degree | N | 13 | 193 | 31 | 2 | 0 | 1 | 240 |
|  | \% | 6.8\% | 64.1\% | 10.2\% | 1.1\% | .0\% | 12.5\% | 24.3\% |
| Minimum of Bachelor's degree | N | 52 | 76 | 257 | 137 | 3 | 2 | 527 |
|  | \% | 27.2\% | 25.2\% | 84.5\% | 77.4\% | 37.5\% | 25.0\% | 53.3\% |
| Minimum of Master's degree | N | 7 | 7 | 3 | 33 | 4 | 0 | 54 |
|  | \% | 3.7\% | 2.3\% | 1.0\% | 18.6\% | 50.0\% | .0\% | 5.5\% |
| Minimum of Other | N | 14 | 8 | 4 | 2 | 0 | 2 | 30 |
|  | \% | 7.3\% | 2.7\% | 1.3\% | 1.1\% | . $0 \%$ | 25.0\% | 3.0\% |
| Total | N | 191 | 301 | 304 | 177 | 8 | 8 | 989 |
|  | \% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

What minimum level of education should a manager? have By What is the highest level of education you have achieved?


## Facility Demographics

## Budgets

|  | $\mathbf{N}$ | Mean | SD |
| :--- | ---: | ---: | ---: |
| Operating | 355 | $\$ 18,394,916$ | $\$ 86,092,737$ |
| Capital | 246 | $\$ 2,844,709$ | $\$ 6,570,927$ |
| Continuing <br> Education (per <br> employee) | 575 | $\$ 700$ | $\$ 2,770$ |

Do you supervise staff at more than one facility?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Yes | 389 | $38.4 \%$ |
| No | 624 | $61.6 \%$ |
| Total | $\mathbf{1 0 1 3}$ | $\mathbf{1 0 0 . 0 \%}$ |

Do you supervise staff at more than one facility?


If you supervise staff at more than one facility, please indicate how many facilities?

|  | N | Mean | SD |
| :--- | ---: | ---: | ---: |
| Facilities | 381 | 4.0 | 4.4 |

Mean number of facilities in which you supervise staff and Mean number of FTEs that report directly to you by Primary Job Title

|  | N Mean number <br> of facilities in <br> which you <br> supervise <br> staff | Mean number <br> of FTEs that <br> report directly <br> to you | Mean <br> FTEs per <br> facility |  |
| :--- | ---: | ---: | ---: | ---: |
| Director/Administrator | 123 | 4.2 | 30.6 | 7.3 |
| Educator | 6 | 2.5 | 17.8 | 7.1 |
| Manager | 121 | 4.4 | 30.2 | 6.9 |
| Supervisor | 39 | 3.0 | 17.8 | 5.9 |
| Chief <br> technologist/therapist | 37 | 2.8 | 15.0 | 5.4 |
| PACS administrator | 2 | 3.0 | 7.5 | 2.5 |
| Lead <br> technologist/therapist | 29 | 3.6 | 8.8 | 2.4 |
| Assistant chief <br> technologist/therapist | 2 | 4.5 | 7.0 | 1.6 |
| Performance <br> improvement / quality <br> assurance | 3 | 10.7 | 5.3 | 0.5 |
| Other | 10 | 6.5 | 41.3 | 6.3 |
| Total | $\mathbf{3 7 2}$ | $\mathbf{4 . 0}$ | $\mathbf{2 5 . 6}$ | 6.4 |

Is your facility used as a clinical rotation site for educational programs?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Yes | 662 | $65.7 \%$ |
| No | 346 | $34.3 \%$ |
| Total | $\mathbf{1 0 0 8}$ | $\mathbf{1 0 0 . 0} \%$ |

Is your facility used as a clinical rotation site for educational programs?


If your facility is used as a clinical rotation site for educational programs, which modalities are used as a clinical rotation site for educational programs?

|  | $\mathbf{N}$ | Percent of Cases |
| :--- | ---: | ---: |
| Radiography | 512 | $76.6 \%$ |
| Sonography | 310 | $46.4 \%$ |
| Computed Tomography | 207 | $31.0 \%$ |
| Magnetic Resonance Imaging | 168 | $25.1 \%$ |
| Radiation Therapy | 134 | $20.1 \%$ |
| Nuclear Medicine Technology | 124 | $18.6 \%$ |
| Mammography | 72 | $10.8 \%$ |
| Cardiovascular/Interventional | 39 | $5.8 \%$ |
| Vascular Sonography | 39 | $5.8 \%$ |
| Breast Sonography | 31 | $4.6 \%$ |
| Bone Densitometry | 19 | $2.8 \%$ |
| Medical Dosimetry | 17 | $2.5 \%$ |
| Fusion/PET | 14 | $2.1 \%$ |
| Breast MRI | 7 | $2.1 \%$ |
| 3D Image Prostprocessing | 6 | $1.0 \%$ |
| Registered Radiologist Assistant or RPA | 5 | $.9 \%$ |
| Quality Management | 5 | $.7 \%$ |
| Imaging Informatics/PACs Administrator | 33 | $.7 \%$ |
| Other |  | $4.9 \%$ |

If your facility is used as a clinical rotation site for educational programs, which modalities are used as a clinical rotation site for educational programs?


What is your primary work facility type?

|  | Frequency | Valid <br> Percent |
| :--- | ---: | ---: |
| Community-based hospital (not for profit) | 372 | $36.6 \%$ |
| Clinic or physician's office | 176 | $17.3 \%$ |
| Academic medical center (not for profit) | 121 | $11.9 \%$ |
| Imaging center/outpatient imaging facility | 119 | $11.7 \%$ |
| Community-based hospital (for profit) | 80 | $7.9 \%$ |
| Critical access hospital | 29 | $2.9 \%$ |
| Government/VA hospital | 26 | $2.6 \%$ |
| Academic medical center (for profit) | 20 | $2.0 \%$ |
| Corporate | 20 | $2.0 \%$ |
| Education | 11 | $1.1 \%$ |
| Mobile unit | 11 | $1.1 \%$ |
| Locum tenens (temporary staff) | 1 | $0.1 \%$ |
| Other | 31 | $3.0 \%$ |
| Total | $\mathbf{1 0 1 7}$ | $\mathbf{1 0 0 . 0} \%$ |

What is your primary work facility type?


Mean number of hospital beds by Primary Work Location

|  | N | Mean | SD |
| :--- | ---: | ---: | ---: |
| Corporate | 5 | 808 | 1114 |
| Academic medical center (not for <br> profit) | 100 | 560 | 319 |
| Academic medical center (for profit) | 17 | 398 | 240 |
| Community-based hospital (not for <br> profit) | 339 | 235 | 186 |
| Government/VA hospital | 19 | 233 | 149 |
| Community-based hospital (for profit) | 75 | 200 | 142 |
| Critical access hospital | 29 | 31 | 42 |
| Other | 8 | 213 | 330 |
| Total | $\mathbf{5 9 2}$ | $\mathbf{2 8 8}$ | $\mathbf{2 7 3}$ |

Mean number of beds by Primary Work Location


Mean number of positions (levels) between you and the CEO and Mean number of hospital beds at your primary facility by Primary Job Title

|  |  | Mean <br> number <br> of <br> positions <br> between <br> you and <br> CEO | Mean <br> number <br> of <br> hospital <br> beds at <br> your <br> primary <br> facility |
| :--- | ---: | ---: | ---: |
| Director or Administrator | 234 | 1.4 | 247 |
| Manager | 285 | 2.4 | 311 |
| Educator | 12 | 2.5 | 325 |
| Performance improvement / <br> quality assurance | 7 | 2.7 | 1001 |
| Chief technologist/therapist | 122 | 2.7 | 310 |
| Assistant chief <br> technologist/therapist | 4 | 2.8 | 380 |
| Supervisor | 107 | 3.0 | 287 |
| Lead technologist/therapist | 115 | 3.8 | 283 |
| PACS administrator | 5 | 4.0 | 362 |
| Other | 27 | 2.6 | 436 |
| Total | $\mathbf{9 1 8}$ | $\mathbf{2 . 4}$ | 292 |

What kind of community does your facility serve?

|  | Frequency | Valid Percent |
| :--- | ---: | ---: |
| Suburban | 404 | $40.2 \%$ |
| Urban | 303 | $30.1 \%$ |
| Rural | 298 | $29.7 \%$ |
| Total | $\mathbf{1 0 0 5}$ | $\mathbf{1 0 0 . 0 \%}$ |

What kind of community does your facility serve?


Mean Number of Patients by Primary Work Location

|  | N | Mean | SD |
| :--- | ---: | ---: | ---: |
| Academic medical center (for profit) | 9 | 82,625 | 114,895 |
| Corporate | 6 | 76,500 | 64,726 |
| Academic medical center (not for profit) | 63 | 56,955 | 106,968 |
| Government/VA hospital | 15 | 37,102 | 38,464 |
| Education | 3 | 34,733 | 58,265 |
| Community-based hospital (not for profit) | 200 | 30,487 | 55,645 |
| Imaging center/outpatient imaging facility | 58 | 27,814 | 70,544 |
| Mobile unit | 5 | 15,100 | 17,573 |
| Community-based hospital (for profit) | 37 | 13,552 | 23,848 |
| Clinic or physician's office | 96 | 12,479 | 43,032 |
| Critical access hospital | 21 | 8,664 | 12,652 |
| Other | 14 | 63,436 | 198,795 |
| Total | $\mathbf{5 2 7}$ | $\mathbf{3 0 , 3 7 4}$ | $\mathbf{7 0 , 6 9 0}$ |

Note: Cases where number of patients exceeded number of procedures were excluded.


Mean Number of Procedures by Primary Work Location

|  | $\mathbf{N}$ | Mean | SD |
| :--- | ---: | ---: | ---: |
| Corporate | 5 | 147,000 | 113,115 |
| Academic medical center (for profit) | 13 | 121,208 | 144,416 |
| Academic medical center (not for profit) | 78 | 120,478 | 169,873 |
| Education | 4 | 79,800 | 93,156 |
| Government/VA hospital | 18 | 78,432 | 63,842 |
| Community-based hospital (not for profit) | 255 | 63,675 | 99,968 |
| Imaging center/outpatient imaging facility | 75 | 44,150 | 103,156 |
| Community-based hospital (for profit) | 45 | 37,118 | 42,420 |
| Clinic or physician's office | 90 | 24,386 | 59,269 |
| Mobile unit | 6 | 16,333 | 21,970 |
| Critical access hospital | 27 | 13,362 | 14,085 |
| Other | 15 | 88,111 | $\mathbf{2 5 4 , 8 8 1}$ |
| Total | $\mathbf{6 3 1}$ | $\mathbf{6 1 , 2 2 5}$ | $\mathbf{1 1 1 , 7 9 7}$ |

Note: Cases where number of patients exceeded number of procedures were excluded.


Number of Procedures by Number of Patients

2.02 Procedures per Patient

Number of Patients
*There is a strong correlation between procedures ( $M=61,225, S D=111,797, N=631$ ) and patients $(M=30,374, S D=$ $70,690, N=527), r(478)=.925, p<.001$.

## Additional Crosstabulations

|  |  | Supervisor | Manager | Director | Administrator | Chief technologist/therapist | Assistant chief technologist/therapist | Lead technologist/therapist | PACS administrator | Educator |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Quality assurance/quality control | N | 64 | 99 | 66 | 11 | 87 | 4 | 97 | 5 | 3 |
|  | \% | 56.1\% | 32.8\% | 32.4\% | 27.5\% | 58.4\% | 66.7\% | 62.2\% | 71.4\% | 20.0\% |
| Accreditation | N | 39 | 110 | 73 | 16 | 38 | 1 | 67 | 2 | 8 |
|  | \% | 34.2\% | 36.4\% | 35.8\% | 40.0\% | 25.5\% | 16.7\% | 42.9\% | 28.6\% | 53.3\% |
| Training | N | 46 | 60 | 25 | 6 | 71 | 2 | 89 | 4 | 11 |
|  | \% | 40.4\% | 19.9\% | 12.3\% | 15.0\% | 47.7\% | 33.3\% | 57.1\% | 57.1\% | 73.3\% |
| Annual reviews/evaluations | N | 68 | 173 | 65 | 14 | 69 | 2 | 50 | 1 | 5 |
|  | \% | 59.6\% | 57.3\% | 31.9\% | 35.0\% | 46.3\% | 33.3\% | 32.1\% | 14.3\% | 33.3\% |
| Patient exams | N | 46 | 43 | 19 | 3 | 68 | 3 | 111 | 0 | 3 |
|  | \% | 40.4\% | 14.2\% | 9.3\% | 7.5\% | 45.6\% | 50.0\% | 71.2\% | .0\% | 20.0\% |
| Budgeting | N | 22 | 168 | 154 | 24 | 20 | 2 | 13 | 1 | 2 |
|  | \% | 19.3\% | 55.6\% | 75.5\% | 60.0\% | 13.4\% | 33.3\% | 8.3\% | 14.3\% | 13.3\% |
| Performance improvement | N | 45 | 158 | 106 | 27 | 56 | 1 | 34 | 0 | 5 |
|  | \% | 39.5\% | 52.3\% | 52.0\% | 67.5\% | 37.6\% | 16.7\% | 21.8\% | . $0 \%$ | 33.3\% |
| Strategic planning | N | 11 | 92 | 127 | 27 | 30 | 1 | 15 | 0 | 4 |
|  | \% | 9.6\% | 30.5\% | 62.3\% | 67.5\% | 20.1\% | 16.7\% | 9.6\% | . $0 \%$ | 26.7\% |
| Equipment maintenance | N | 30 | 33 | 13 | 3 | 48 | 2 | 55 | 1 | 0 |
|  | \% | 26.3\% | 10.9\% | 6.4\% | 7.5\% | 32.2\% | 33.3\% | 35.3\% | 14.3\% | . $0 \%$ |
| Payroll | N | 34 | 77 | 37 | 6 | 30 | 4 | 16 | 0 | 1 |
|  | \% | 29.8\% | 25.5\% | 18.1\% | 15.0\% | 20.1\% | 66.7\% | 10.3\% | . $0 \%$ | 6.7\% |
| Equipment acquisition | N | 8 | 49 | 67 | 12 | 12 | 0 | 6 | 2 | 2 |
|  | \% | 7.0\% | 16.2\% | 32.8\% | 30.0\% | 8.1\% | .0\% | 3.8\% | 28.6\% | 13.3\% |
| Meetings | N | 21 | 74 | 48 | 9 | 23 | 0 | 26 | 1 | 6 |
|  | \% | 18.4\% | 24.5\% | 23.5\% | 22.5\% | 15.4\% | .0\% | 16.7\% | 14.3\% | 40.0\% |
| Teaching | N | 15 | 17 | 2 | 3 | 25 | 1 | 24 | 0 | 9 |
|  | \% | 13.2\% | 5.6\% | 1.0\% | 7.5\% | 16.8\% | 16.7\% | 15.4\% | . 0 \% | 60.0\% |
| PACS administration | N | 17 | 28 | 23 | 2 | 17 | 1 | 10 | 7 | 0 |
|  | \% | 14.9\% | 9.3\% | 11.3\% | 5.0\% | 11.4\% | 16.7\% | 6.4\% | 100.0\% | .0\% |
| EMR | N | 12 | 47 | 19 | 4 | 21 | 2 | 14 | 3 | 1 |
|  | \% | 10.5\% | 15.6\% | 9.3\% | 10.0\% | 14.1\% | 33.3\% | 9.0\% | 42.9\% | 6.7\% |
| Office interviews/evaluations /coaching | N | 30 | 91 | 40 | 6 | 13 | 1 | 17 | 0 | 4 |
|  | \% | 26.3\% | 30.1\% | 19.6\% | 15.0\% | 8.7\% | 16.7\% | 10.9\% | .0\% | 26.7\% |
| Policy development | N | 21 | 92 | 65 | 12 | 40 | 1 | 28 | 1 | 4 |
|  | \% | 18.4\% | 30.5\% | 31.9\% | 30.0\% | 26.8\% | 16.7\% | 17.9\% | 14.3\% | 26.7\% |
| Safety | N | 28 | 84 | 65 | 7 | 58 | 2 | 53 | 1 | 3 |
|  | \% | 24.6\% | 27.8\% | 31.9\% | 17.5\% | 38.9\% | 33.3\% | 34.0\% | 14.3\% | 20.0\% |

Mean number of modalities managed by Primary Job Title and Primary Work Location

| Manager |  |  |  | Director |  |  |  | Supervisor |  |  |  | Administrator |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| What is your primary work location? | N | Mean | SD | What is your primary work location? | N | Mean | SD | What is your primary work location? | N | Mean | SD | What is your primary work location? | N | Mean | SD |
| Imaging center/outpatient imaging facility | 38 | 6.0 | 3.09 | Academic medical center (for profit) | 7 | 10.9 | 4.14 | Critical access hospital | 4 | 5.0 | 1.83 | Communitybased hospital (for profit) | 1 | 14.0 |  |
| Critical access hospital | 9 | 5.1 | 3.02 | Communitybased hospital (not for profit) | 103 | 8.8 | 4.48 | Imaging center/outpatient imaging facility | 12 | 3.3 | 2.50 | Academic medical center (for profit) | 1 | 13.0 |  |
| Communitybased hospital (for profit) | 23 | 5.1 | 4.20 | Critical access hospital | 12 | 8.8 | 2.14 | Communitybased hospital (for profit) | 12 | 3.0 | 2.09 | Communitybased hospital (not for profit) | 9 | 12.2 | 4.82 |
| Communitybased hospital (not for profit) | 111 | 4.6 | 3.84 | Academic medical center (not for profit) | 19 | 7.2 | 5.22 | Communitybased hospital (not for profit) | 35 | 2.7 | 2.74 | Government/VA hospital | 2 | 10.5 | 2.12 |
| Clinic or physician's office | 37 | 3.8 | 3.13 | Communitybased hospital (for profit) | 20 | 6.7 | 4.38 | Clinic or physician's office | 22 | 2.5 | 1.47 | Academic medical center (not for profit) | 5 | 8.4 | 6.47 |
| Government/VA hospital | 8 | 3.8 | 3.11 | Mobile unit | 1 | 6.0 |  | Academic medical center (not for profit) | 11 | 2.1 | 2.17 | Critical access hospital | 1 | 8.0 |  |
| Academic medical center (not for profit) | 39 | 3.4 | 3.94 | Imaging center/outpatient imaging facility | 8 | 5.4 | 4.14 | Academic medical center (for profit) | 5 | 1.4 | 89 | Corporate | 2 | 6.5 | 4.95 |
| Mobile unit | 5 | 2.8 | 2.68 | Clinic or physician's office | 10 | 3.8 | 3.85 | Government/VA hospital | 3 | 1.3 | 58 | Imaging center/outpatient imaging facility | 7 | 6.0 | 4.00 |
| Corporate | 4 | 2.0 | 1.41 | Government/VA hospital | 4 | 3.8 | 3.40 | Mobile unit | 1 | 1.0 |  | Clinic or physician's office | 7 | 1.7 | . 95 |
| Academic medical center (for profit) | 1 | 1.0 |  | Education | 1 | 2.0 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Corporate | 3 | 2.0 | 1.73 |  |  |  |  |  |  |  |  |

## essentialresearch

## Mean number of modalities managed by Primary Job Title and Primary Work Location (continued)

| Lead technologist/therapist |  |  |  | Chief technologist/therapist |  |  |  | Assistant chief technologist/therapist |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| What is your primary work location? | N | Mean | SD | What is your primary work location? | N | Mean | SD | What is your primary work location? | N | Mean | SD |
| Government/VA hospital | 2 | 4.5 | 3.54 | Government/VA hospital | 4 | 3.5 | 3.79 | Community-based hospital (not for profit) | 1 | 2.0 |  |
| Imaging center/outpatient imaging facility | 22 | 2.3 | 2.21 | Imaging center/outpatient imaging facility | 14 | 3.1 | 3.35 | Imaging center/outpatient imaging facility | 1 | 2.0 |  |
| Community-based hospital (not for profit) | 38 | 1.5 | . 89 | Corporate | 1 | 3.0 |  | Community-based hospital (for profit) | 1 | 1.0 |  |
| Critical access hospital | 2 | 1.5 | . 71 | Community-based hospital (not for profit) | 42 | 2.4 | 2.50 | Clinic or physician's office | 1 | 1.0 |  |
| Academic medical center (not for profit) | 15 | 1.5 | . 83 | Academic medical center (not for profit) | 17 | 1.8 | 2.19 | Government/VA hospital | 1 | 1.0 |  |
| Community-based hospital (for profit) | 12 | 1.4 | . 51 | Clinic or physician's office | 48 | 1.5 | . 99 | Academic medical center (not for profit) | 1 | 1.0 |  |
| Clinic or physician's office | 36 | 1.4 | . 68 | Community-based hospital (for profit) | 6 | 1.3 | . 52 |  |  |  |  |
| Academic medical center (for profit) | 4 | 1.0 | . 00 | Academic medical center (for profit) | 2 | 1.0 | . 00 |  |  |  |  |
| Mobile unit | 2 | 1.0 | . 00 | Education | 1 | 1.0 |  |  |  |  |  |

