

MANPOWER DATA SURVEY

In December 1994, a questionnaire was enclosed in the *JNMT* mailer to survey the membership about the demographics of the profession. The assumption for this survey was that members of the Technologist Section were representative of the whole of nuclear medicine technology and that those responding to

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the questionnaire would likewise be representative of the Technologist Section. The Technologist Section membership at the time of the survey was 7,428. There were 1,514 responses to the survey, a return of 20.38%. The responses and conclusions of this survey are presented below.

1. There are slightly more women than men in nuclear medicine technology.

| Gender | Count | Percentage |
|--------|-------|------------|
| Female | 823 | 54.36 |
| Male | 691 | 45.64 |

2. Technologists are predominantly white/Caucasian.

| Ethnic origin | Count | Percentage |
|--------------------------------|-------|------------|
| White (not of Hispanic origin) | 1341 | 88.57 |
| Asian/Pacific islander | 76 | 5.02 |
| Black (not of Hispanic origin) | 48 | 3.17 |
| Hispanic | 39 | 2.58 |
| American Indian/Alaskan native | 1 | 0.07 |

3. Most technologists have full-time positions.

| Hours worked per wk | Count | Percentage |
|---------------------|-------|------------|
| 0-10 | 38 | 2.51 |
| 11-20 | 18 | 1.19 |
| 21-30 | 50 | 3.30 |
| 31-40 | 567 | 37.45 |
| >40 | 841 | 55.55 |

4. Technologists have at least a high school education and most hold either an associate or bachelors degree.

| Education | Count | Percentage |
|-----------------------------------|-------|------------|
| High school diploma or GED | 59 | 3.90 |
| Some education beyond high school | 242 | 15.98 |
| Associate degree | 338 | 22.32 |
| Bachelors degree | 705 | 46.57 |
| Masters degree | 147 | 9.71 |
| Doctorate | 23 | 1.52 |

5. The majority of technologists work in hospitals or medical centers.

| Employment setting | Count | Percentage |
|------------------------------|-------|------------|
| Hospital/medical center | 1107 | 73.12 |
| Free-standing imaging center | 207 | 13.67 |
| Commercial or industry | 80 | 5.28 |
| University | 66 | 4.36 |
| Federal or military | 21 | 1.39 |
| Others | 33 | 2.18 |

6. Most technologists earn more than \$40,000 per year.

| Annual income | Count | Percentage |
|------------------|-------|------------|
| < \$10,000 | 33 | 2.18 |
| \$10,000 -19,000 | 17 | 1.12 |
| \$20,000 -25,000 | 63 | 4.16 |
| \$26,000-30,000 | 92 | 6.08 |
| \$31,000-35,000 | 184 | 12.15 |
| \$36,000-40,000 | 303 | 20.01 |
| \$41,000-49,000 | 418 | 27.61 |
| ≥\$50,000 | 404 | 26.68 |

7. Most technologists are between 30 and 50 yr of age.

| Age (yr) | Count | Percentage |
|-------------|-------|------------|
| ≥70 | 2 | 0.13 |
| 60-69 | 21 | 1.39 |
| 50-59 | 164 | 10.83 |
| 40-49 | 583 | 38.51 |
| 30-39 | 446 | 29.46 |
| 20-29 | 174 | 11.49 |
| No response | 124 | 8.19 |

8. Technologists are certified by the Nuclear Medicine Technology Certification Board and/or the American Registry of Radiologic Technologists, with a small preference for the NMTCB.

| Certification | Count | Percentage |
|------------------|-------|------------|
| By the NMTCB | 1305 | 86.20 |
| Not by the NMTCB | 209 | 13.80 |
| By the ARRT | 1066 | 70.41 |
| Not by the ARRT | 448 | 29.59 |

9. Technologist titles vary widely, but staff technologist is the most prevalent.

| Position | Count | Percentage |
|---------------------------------|-------|------------|
| Staff technologist | 532 | 35.14 |
| Chief technologist | 322 | 21.27 |
| Administrative technologist | 171 | 11.29 |
| Supervisor | 155 | 10.24 |
| Nuclear cardiology technologist | 71 | 4.69 |
| Program director | 48 | 3.17 |
| Technical director | 19 | 1.25 |
| Clinical research technologist | 13 | 0.86 |
| Radiopharmacist | 13 | 0.86 |
| Clinical imaging technologist | 11 | 0.73 |
| Radiation safety officer | 11 | 0.73 |
| Computer processor technologist | 6 | 0.40 |
| Radioassay technologist | 1 | 0.07 |
| Other | 141 | 9.31 |

10. Less than one-half of technologists hold state licenses.

| State licensure | Count | Percentage |
|-----------------|-------|------------|
| Yes | 738 | 48.75 |
| No | 776 | 51.25 |

11. Very few technologists are licensed in countries outside the U.S.

| Licensed in another country | Count | Percentage |
|-----------------------------|-------|------------|
| Yes | 56 | 3.70 |
| No | 1458 | 96.30 |

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12. Most technologists have been in the field for more than 10 yr.

| Work experience (in yr) | Count | Percentage |
|-------------------------|-------|------------|
| < 10 | 449 | 29.66 |
| 10-19 | 612 | 40.42 |
| 20-29 | 346 | 22.85 |
| 30-39 | 59 | 3.90 |
| > 39 | 1 | 0.07 |

13. Not many technologists split their time in other modalities/departments.

| Split time in other modality/department | Count | Percentage |
|---|-------|------------|
| No | 1190 | 78.60 |
| Yes | 324 | 21.40 |

14. Some technologists have begun cross training in other fields.

| Cross training | Count | Percentage |
|----------------|-------|------------|
| Yes | 349 | 23.05 |
| No | 1165 | 76.95 |

15. There are technologists in every state in the U.S., but some states predominate.

| State of residence | Count | Percentage |
|---------------------|-------|------------|
| California | 151 | 9.97 |
| Pennsylvania | 109 | 7.20 |
| New York | 102 | 6.74 |
| Florida | 69 | 4.56 |
| Texas | 67 | 4.43 |
| Maryland | 66 | 4.36 |
| New Jersey | 64 | 4.23 |
| The other 43 states | 886 | 58.52 |

16. There should not be many technologists leaving the field in the near future.

| Plan to remain in field (in yr) | Count | Percentage |
|---------------------------------|-------|------------|
| ≤10 | 575 | 37.98 |
| 11-20 | 431 | 28.47 |
| 21-30 | 105 | 6.94 |
| 31-40 | 15 | 9.91 |
| No plans | 388 | 25.63 |

17. Of those leaving the field, more technologists are looking to new professions rather than retirement.

| Reason for leaving the profession | Count | Percentage |
|-----------------------------------|-------|------------|
| Change of profession | 155 | 10.24 |
| Retirement | 89 | 5.88 |
| No plans for leaving | 1270 | 83.88 |

18. Of the technologists responding to the survey, a few were no longer active in the field.

| Professional status | Count | Percentage |
|---------------------|-------|------------|
| Active | 1474 | 97.36 |
| Inactive | 40 | 2.64 |