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## Radiation Therapists

### Louisiana

## Summary of Job Duties

**Radiation Therapists** [Video](#) - Provide radiation therapy to patients as prescribed by a radiologist according to established practices and standards. Duties may include reviewing prescription and diagnosis; acting as liaison with physician and supportive care personnel; preparing equipment, such as immobilization, treatment, and protection devices; and maintaining records, reports, and files. May assist in dosimetry procedures and tumor localization.

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Detailed Job Description

**Radiation Therapists** Radiation therapists are part of the oncology teams that treat patients with cancer.

Radiation therapists treat cancer and other diseases in patients by administering radiation treatments.

### Duties

Radiation therapists typically do the following:

- Explain treatment plans to the patient and answer questions about treatment
- Protect the patients and themselves from improper exposure to radiation
- Determine the exact location of the area requiring treatment
- Calibrate and operate the machine to treat the patient with radiation
- Monitor the patient to check for unusual reactions to the treatment
- Keep detailed records of treatment

Radiation therapists operate machines, such as linear accelerators, to deliver concentrated radiation therapy to the region of a patient's tumor. Radiation treatment can shrink or remove cancers and tumors.

Radiation therapists are part of the oncology teams that treat patients with cancer. They often work

with the following specialists:

- Radiation oncologists are physicians who specialize in radiation therapy
- Oncology nurses specialize in caring for patients with cancer
- Medical physicists help in planning of radiation treatments, develop better and safer radiation therapies, and check that radiation output is accurate

Source: [U.S. Department of Labor Bureau of Labor Statistics](#)

## Job Zone

The section below shows the job zone information for Radiation Therapists. Job Zone Three: Medium Preparation Needed.

Education	Experience	Training
Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.	Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.	Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Jobs Available

This section shows the number of job openings advertised online in Louisiana for Radiation Therapists and for the related occupational group of Healthcare Practitioners and Technical Occupations on November 23, 2020 (Jobs De-duplication Level 2).

Occupation	Job Openings
Radiation Therapists🌟	<u>11</u>
Healthcare Practitioners and Technical Occupations	<u>10,407</u>

🌟 BRIGHT OUTLOOK NATIONALLY

Source: Online advertised jobs data

## Monthly Job Count

This section shows the number of job openings advertised online for Radiation Therapists in Louisiana October, 2020 (Jobs De-duplication Level 2).

Occupation	Job Openings
Radiation Therapists🌟	23

🌟 BRIGHT OUTLOOK NATIONALLY

Source: Online advertised jobs data

## Jobs Area Distribution

This section shows the distribution of number of job openings advertised online for Radiation Therapists in Louisiana by parishes on November 23, 2020 (Jobs De-duplication Level 2).



Job Source: Online advertised jobs data

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

## Jobs in Related Occupations

This section shows the number of job openings advertised online in Louisiana for occupations related to Radiation Therapists on November 23, 2020 (Jobs De-duplication Level 2).

Rank	Occupation	Median Wage	Job Openings	*Related By
1	<a href="#">Registered Nurses</a> 🌟	\$64,044	<u>4,509</u>	O*NET
2	<a href="#">Licensed Practical and Licensed Vocational Nurses</a> 🌟	\$40,065	<u>697</u>	O*NET
3	<a href="#">Critical Care Nurses</a> 🌟	\$64,044	<u>358</u>	O*NET
4	<a href="#">Medical Assistants</a> 🌟	\$29,530	<u>295</u>	O*NET
5	<a href="#">Speech-Language Pathologists</a> 🌟	\$80,772	<u>268</u>	SOC4
6	<a href="#">Occupational Therapists</a> 🌟	\$87,150	<u>231</u>	SOC4
7	<a href="#">Physical Therapists</a> 🌟	\$86,644	<u>231</u>	SOC4
8	<a href="#">Surgical Technologists</a> 🌟	\$40,492	<u>222</u>	O*NET
9	<a href="#">Respiratory Therapists</a> 🌟	\$54,660	<u>181</u>	O*NET
10	<a href="#">Radiologic Technologists</a> 🌟	\$51,720	<u>168</u>	O*NET
11	<a href="#">Emergency Medical Technicians and Paramedics</a> 🌟	N/A	<u>122</u>	O*NET
12	<a href="#">Medical and Clinical Laboratory Technicians</a> 🌟	N/A	<u>83</u>	O*NET
13	<a href="#">Diagnostic Medical Sonographers</a> 🌟	\$62,001	<u>77</u>	O*NET

Rank	Occupation	Median Wage	Job Openings	*Related By
14	<a href="#">Therapists, All Other</a> 🌟	\$35,993	<a href="#">76</a>	SOC4
15	<a href="#">Respiratory Therapy Technicians</a>	N/A	<a href="#">66</a>	O*NET
16	<a href="#">Physical Therapist Assistants</a> 🌟	\$54,873	<a href="#">52</a>	O*NET
17	<a href="#">Occupational Therapy Assistants</a> 🌟	\$60,548	<a href="#">45</a>	O*NET
18	<a href="#">Cardiovascular Technologists and Technicians</a> 🌟	\$37,253	<a href="#">44</a>	O*NET
19	<a href="#">Nuclear Medicine Technologists</a> 🌟	\$68,193	<a href="#">39</a>	O*NET
20	<a href="#">Medical Equipment Preparers</a> 🌟	\$29,569	<a href="#">38</a>	O*NET
21	<a href="#">Veterinarians</a> 🌟	\$80,383	<a href="#">22</a>	SOC4
22	<a href="#">Dental Assistants</a> 🌟	\$32,991	<a href="#">22</a>	O*NET
23	<a href="#">Radiologic Technicians</a> 🌟	N/A	<a href="#">21</a>	O*NET
24	<a href="#">Recreational Therapists</a> 🌟	\$40,384	<a href="#">20</a>	SOC4
25	<a href="#">Dental Hygienists</a> 🌟	N/A	<a href="#">20</a>	O*NET
26	<a href="#">Acute Care Nurses</a> 🌟	\$64,044	<a href="#">16</a>	O*NET
27	<a href="#">Radiation Therapists</a> 🌟	\$70,724	<a href="#">11</a>	N/A
28	<a href="#">Endoscopy Technicians</a> 🌟	\$27,234	<a href="#">11</a>	O*NET
29	<a href="#">Psychiatric Aides</a> 🌟	N/A	<a href="#">9</a>	O*NET
30	<a href="#">Municipal Firefighters</a>	\$28,144	<a href="#">4</a>	O*NET
31	<a href="#">Acupuncturists</a> 🌟	N/A	<a href="#">3</a>	SOC4
32	<a href="#">Medical Appliance Technicians</a> 🌟	\$34,012	<a href="#">2</a>	O*NET
33	<a href="#">Health Diagnosing and Treating Practitioners, All Other</a> 🌟	N/A	<a href="#">1</a>	SOC4
34	<a href="#">Neurodiagnostic Technologists</a> 🌟	N/A	<a href="#">1</a>	O*NET

🌟 BRIGHT OUTLOOK NATIONALLY

Job Source: Online advertised jobs data

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

\*Related By: O\*NET™ - The [Occupational Information Network](#). O\*NET is a registered trademark of the [US Department of Labor/Employment and Training Administration](#).

SOC4 - Occupational grouping based on 1st 4 digits of the [Standard Occupational Classification](#) system.

### Candidates Available

This section shows potential candidates in the workforce system in Louisiana for Radiation Therapists and for the related occupational group of Healthcare Practitioners and Technical Occupations on November 23, 2020.

Occupation	Candidates
Radiation Therapists 🌟	0
Healthcare Practitioners and Technical Occupations	5,240


🌟 BRIGHT OUTLOOK NATIONALLY

Source: Individuals with active résumés in the workforce system.

# Candidate Area Distribution


This section shows the distribution of potential candidates in the workforce system for Radiation Therapists in Louisiana by parishes on November 23, 2020.


Rank	Area Name	Median Wage	Candidates
1	<u>Calcasieu Parish</u>	\$70,724 state level wages	0
2	<u>East Baton Rouge Parish</u>	\$70,724 state level wages	0
3	<u>Jefferson Parish</u>	\$70,724 state level wages	0
4	<u>Lafourche Parish</u>	\$70,724 state level wages	0
5	<u>Orleans Parish</u>	\$70,724 state level wages	0
6	<u>Rapides Parish</u>	\$70,724 state level wages	0
7	<u>St. Tammany Parish</u>	\$70,724 state level wages	0



Fort  
Worth

Candidates

  
0 - -Infinity

  
N/A

Candidate Source: Individuals with active résumés in the workforce system.  
Wage Source: Labor Market Statistics, Occupational Employment Statistics Program  
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

# Candidates in Related Occupations

This section shows how many potential candidates in the workforce system were looking for work in Louisiana in occupations related to Radiation Therapists on November 23, 2020.

Rank	Occupation	Median Wage	Candidates	*Related By
1	<u>Medical Assistants</u> 🌟	\$29,530	2,207	O*NET
2	<u>Dental Assistants</u> 🌟	\$32,991	928	O*NET
3	<u>Licensed Practical and Licensed Vocational Nurses</u> 🌟	\$40,065	815	O*NET
4	<u>Registered Nurses</u> 🌟	\$64,044	423	O*NET
5	<u>Medical and Clinical Laboratory Technicians</u> 🌟	N/A	248	O*NET
6	<u>Acute Care Nurses</u> 🌟	\$64,044	142	O*NET
7	<u>Emergency Medical Technicians and Paramedics</u> 🌟	N/A	129	O*NET
8	<u>Dental Hygienists</u> 🌟	N/A	109	O*NET
9	<u>Surgical Technologists</u> 🌟	\$40,492	108	O*NET
10	<u>Psychiatric Aides</u> 🌟	N/A	87	O*NET
11	<u>Cardiovascular Technologists and Technicians</u> 🌟	\$37,253	73	O*NET
12	<u>Physical Therapist Assistants</u> 🌟	\$54,873	57	O*NET
13	<u>Radiologic Technicians</u> 🌟	N/A	56	O*NET
14	<u>Medical Equipment Preparers</u> 🌟	\$29,569	48	O*NET
15	<u>Radiologic Technologists</u> 🌟	\$51,720	34	O*NET
16	<u>Occupational Therapy Assistants</u> 🌟	\$60,548	28	O*NET
17	<u>Diagnostic Medical Sonographers</u> 🌟	\$62,001	25	O*NET
18	<u>Physical Therapists</u> 🌟	\$86,644	23	SOC4
19	<u>Recreational Therapists</u> 🌟	\$40,384	23	SOC4
20	<u>Respiratory Therapists</u> 🌟	\$54,660	20	O*NET
21	<u>Municipal Firefighters</u>	\$28,144	19	O*NET
22	<u>Speech-Language Pathologists</u> 🌟	\$80,772	13	SOC4
23	<u>Health Diagnosing and Treating Practitioners, All Other</u> 🌟	N/A	13	SOC4
24	<u>Veterinarians</u> 🌟	\$80,383	12	SOC4
25	<u>Occupational Therapists</u> 🌟	\$87,150	11	SOC4
26	<u>Critical Care Nurses</u> 🌟	\$64,044	11	O*NET
27	<u>Therapists, All Other</u> 🌟	\$35,993	8	SOC4
28	<u>Nuclear Medicine Technologists</u> 🌟	\$68,193	8	O*NET
29	<u>Endoscopy Technicians</u> 🌟	\$27,234	8	O*NET
30	<u>Medical Appliance Technicians</u> 🌟	\$34,012	8	O*NET
31	<u>Acupuncturists</u> 🌟	N/A	6	SOC4
32	<u>Neurodiagnostic Technologists</u> 🌟	N/A	6	O*NET

Rank	Occupation	Median Wage	Candidates	*Related By
33	<u>Respiratory Therapy Technicians</u>	N/A	4	O*NET
34	<u>Forest Firefighters</u>	\$28,144	3	O*NET
35	<u>Low Vision Therapists, Orientation and Mobility Specialists, and Vision Rehabilitation Therapists</u> 🌟	\$87,150	2	SOC4
36	<u>Orthoptists</u> 🌟	N/A	1	SOC4

🌟 BRIGHT OUTLOOK NATIONALLY

Candidate Source: Individuals with active résumés in the workforce system.

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

\*Related By: O\*NET™ - The Occupational Information Network. O\*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

SOC4 - Occupational grouping based on 1st 4 digits of the Standard Occupational Classification system.

## Jobs and Candidates Available

This section shows the number of job openings advertised online, as well as potential candidates in the workforce system in Louisiana for Radiation Therapists and for the related occupational group of Healthcare Practitioners and Technical Occupations on November 23, 2020 (Jobs De-duplication Level 2).

Occupation	Job Openings	Candidates	Candidates per Job
Radiation Therapists 🌟	<u>11</u>	0	N/A
Healthcare Practitioners and Technical Occupations	<u>10,407</u>	5,240	0.50

🌟 BRIGHT OUTLOOK NATIONALLY

Job Source: Online advertised jobs data

Candidate Source: Individuals with active résumés in the workforce system.

## Jobs and Candidates Area Distribution

This section shows the distribution of number of job openings advertised online, as well as potential candidates in the workforce system for Radiation Therapists in Louisiana by parishes on November 23, 2020 (Jobs De-duplication Level 2).

Rank	Area Name	Median Wage	Job Openings	Candidates	Candidates per Job
1	<u>Calcasieu Parish</u>	\$70,724 state level wages	<u>1</u>	0	N/A
2	<u>East Baton Rouge Parish</u>	\$70,724 state level wages	<u>1</u>	0	N/A
3	<u>Jefferson Parish</u>	\$70,724 state level wages	<u>1</u>	0	N/A
4	<u>Lafourche Parish</u>	\$70,724 state level wages	<u>1</u>	0	N/A

Rank	Area Name	Median Wage	Job Openings	Candidates	Candidates per Job
5	<a href="#">Orleans Parish</a>	\$70,724 state level wages	<u>2</u>	0	N/A
6	<a href="#">Rapides Parish</a>	\$70,724 state level wages	<u>2</u>	0	N/A
7	<a href="#">St. Tammany Parish</a>	\$70,724 state level wages	<u>3</u>	0	N/A

There is no candidates per job data available for Radiation Therapists in Louisiana.

Job Source: Online advertised jobs data

Candidate Source: Individuals with active résumés in the workforce system.

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

## National Supply and Demand Summary

**Radiation Therapists** Employment of radiation therapists is projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations.

The incidence of cancer increases as people age, so an aging population may increase demand for radiation therapists. Continued advancements in the detection of cancer and the development of more sophisticated treatment techniques may also lead to greater demand for radiation therapy.

### Job Prospects

Candidates can expect competition for most radiation therapist positions. Jobseekers with prior work experience in patient care positions and more education, such as related allied health certifications or a relevant bachelor’s degree, should have the best job opportunities.

Source: [U.S. Department of Labor Bureau of Labor Statistics](#)

## Employers by Number of Job Openings

This section shows the employers with the highest number of job openings advertised online for Radiation Therapists in Louisiana on November 23, 2020 (Jobs De-duplication Level 2).

Rank	Employer Name	Job Openings
1	LCMC Health	<u>3</u>
2	Slidell Memorial Hospital	<u>3</u>
3	HCA Healthcare, Inc.	<u>1</u>
4	Lake Charles Memorial Health System	<u>1</u>
5	St. Jude Children's Research Hospital Inc.	<u>1</u>
6	Thibodaux Regional Medical Center	<u>1</u>

Source: Online advertised jobs data

## Advertised Job Skills

This section shows the top advertised detailed job skills found in job openings advertised online for Radiation Therapists in Louisiana in October, 2020. (Jobs De-duplication Level 1)



Rank	Advertised Detailed Job Skill	Advertised Skill Group	Job Opening Match Count
1	Administer radiation therapy	Radiation Therapist Skills	<u>8</u>
2	Treatment planning	Occupational Therapist Skills	<u>3</u>
3	Problem solving	Basic Skills	<u>2</u>
4	Critical thinking	Basic Skills	<u>2</u>
5	Must be flexible	Basic Skills	<u>2</u>
6	Radiation safety	Nuclear Medicine Technologist Skills	<u>2</u>
7	Time management	Basic Skills	<u>2</u>
8	Customer service	Customer Service Skills	<u>1</u>
9	Using radiation therapy equipment	Radiation Therapist Skills	<u>1</u>
10	Decision making	Basic Skills	<u>1</u>

Source: Online advertised jobs data

## Advertised Tools and Technology

This section shows the top advertised detailed tools and technologies found in job openings advertised online for Radiation Therapists in Louisiana in October, 2020. (Jobs De-duplication Level 1)

Rank	Advertised Detailed Tool or Technology	Advertised Tool and Technology Group	Job Opening Match Count
1	Gmail	Electronic Mail Software	<u>6</u>
2	Calculators	Desktop Calculators	<u>4</u>
3	Computed tomography (CT) scanners	Medical Computed Tomography (CT) or (CAT) Scanners/Tubes	<u>3</u>
4	Linear accelerators	Mobile or Transportable Medical Linear Accelerators	<u>2</u>
5	Keyboard	Keyboards	<u>2</u>

Source: Online advertised jobs data

## Typical Job Skills

This section shows the job skills that are related to Radiation Therapists.

Rank	Typical Job Skills	Typical Skill Category
1	Administer cancer treatments	Interacting With Others
2	Operate diagnostic or therapeutic medical instruments or equipment	Work Output
3	Position patients for treatment or examination	Interacting With Others
4	Protect patients or staff members using safety equipment	Mental Processes
5	Verify accuracy of patient information	Mental Processes
6	Adjust settings or positions of medical equipment	Work Output

Rank	Typical Job Skills	Typical Skill Category
7	Enter patient or treatment data into computers	Work Output
8	Examine medical instruments or equipment to ensure proper operation	Information Input
9	Inform medical professionals regarding patient conditions and care	Interacting With Others
10	Monitor patient conditions during treatments, procedures, or activities	Information Input
11	Explain medical procedures or test results to patients or family members	Interacting With Others
12	Interact with patients to build rapport or provide emotional support	Interacting With Others
13	Maintain medical facility records	Work Output
14	Examine patients to assess general physical condition	Information Input
15	Fabricate medical devices	Work Output
16	Develop medical treatment plans	Mental Processes
17	Calculate numerical data for medical activities	Mental Processes
18	Operate diagnostic imaging equipment	Work Output
19	Process x-rays or other medical images	Work Output
20	Schedule patient procedures or appointments	Mental Processes
21	Assist healthcare practitioners during examinations or treatments	Interacting With Others
22	Supervise patient care personnel	Interacting With Others
23	Train medical providers	Interacting With Others
24	Prepare medications or medical solutions	Work Output
25	Sterilize medical equipment or instruments	Work Output

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Personal Skills

This section shows the personal skills that are most useful for Radiation Therapists. Click on a link in the Personal Skills column to view more detailed information.

Personal Skill	Skill Description	Rank by Importance (Out of 100)
<a href="#">Reading Comprehension</a>	Understanding written sentences and paragraphs in work related documents.	69
<a href="#">Active Listening</a>	Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.	69
<a href="#">Critical Thinking</a>	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.	63

<b>Personal Skill</b>	<b>Skill Description</b>	<b>Rank by Importance (Out of 100)</b>
<u>Social Perceptiveness</u>	Being aware of others' reactions and understanding why they react as they do.	60
<u>Operation Monitoring</u>	Watching gauges, dials, or other indicators to make sure a machine is working properly.	60
<u>Coordination</u>	Adjusting actions in relation to others' actions.	56
<u>Speaking</u>	Talking to others to convey information effectively.	56
<u>Monitoring</u>	Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.	56
<u>Service Orientation</u>	Actively looking for ways to help people.	56
<u>Complex Problem Solving</u>	Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.	53
<u>Writing</u>	Communicating effectively in writing as appropriate for the needs of the audience.	53
<u>Operation and Control</u>	Controlling operations of equipment or systems.	53
<u>Time Management</u>	Managing one's own time and the time of others.	53
<u>Instructing</u>	Teaching others how to do something.	50
<u>Active Learning</u>	Understanding the implications of new information for both current and future problem-solving and decision-making.	50
<u>Learning Strategies</u>	Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.	47
<u>Troubleshooting</u>	Determining causes of operating errors and deciding what to do about it.	47
<u>Management of Personnel Resources</u>	Motivating, developing, and directing people as they work, identifying the best people for the job.	47
<u>Quality Control Analysis</u>	Conducting tests and inspections of products, services, or processes to evaluate quality or performance.	47
<u>Judgment and Decision Making</u>	Considering the relative costs and benefits of potential actions to choose the most appropriate one.	47
<u>Equipment Maintenance</u>	Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.	44
<u>Mathematics</u>	Using mathematics to solve problems.	44
<u>Science</u>	Using scientific rules and methods to solve problems.	44
<u>Persuasion</u>	Persuading others to change their minds or behavior.	41

Personal Skill	Skill Description	Rank by Importance (Out of 100)
<u>Negotiation</u>	Bringing others together and trying to reconcile differences.	41
<u>Operations Analysis</u>	Analyzing needs and product requirements to create a design.	41
<u>Equipment Selection</u>	Determining the kind of tools and equipment needed to do a job.	41
<u>Systems Analysis</u>	Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.	41
<u>Systems Evaluation</u>	Identifying measures or indicators of system performance and the actions needed to improve or correct performance, relative to the goals of the system.	41
<u>Repairing</u>	Repairing machines or systems using the needed tools.	31
<u>Management of Material Resources</u>	Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work.	28
<u>Management of Financial Resources</u>	Determining how money will be spent to get the work done, and accounting for these expenditures.	25
<u>Technology Design</u>	Generating or adapting equipment and technology to serve user needs.	22
<u>Programming</u>	Writing computer programs for various purposes.	19
<u>Installation</u>	Installing equipment, machines, wiring, or programs to meet specifications.	0

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Typical Education Requirements

**Radiation Therapists** Radiation Therapists usually require at least an Associate's degree. However, not all employers may make this a hiring requirement.

Source: This information is based on the BLS Occupational Outlook Handbook (OOH).

## Required Level of Education

This section shows the results of a national survey listing the most common required level of education for Radiation Therapists.

Rank	Required Level of Education	Percentage of Respondents
1	Associate's Degree (or other 2-year degree)	50.14%
2	Bachelor's Degree	37.54%
3	Post-Secondary Certificate - awarded for training completed after high school (for example, in agriculture or natural resources, computer services, personal or culinary services, engineering technologies, healthcare, construction trades, mechanic and repair technologies, or precision production)	8.87%

Rank	Required Level of Education	Percentage of Respondents
4	Some College Courses	3.45%

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## On The Job Training

This section shows the results of a national survey listing the most common lengths of on the job training for Radiation Therapists.

Rank	On The Job Training	Percentage of Respondents
1	Over 1 year, up to and including 2 years	27.78%
2	Over 6 months, up to and including 1 year	26.42%
3	Over 3 months, up to and including 6 months	17.48%
4	Over 2 years, up to and including 4 years	11.09%
5	Over 1 month, up to and including 3 months	8.54%
6	Anything beyond short demonstration, up to and including 1 month	4.52%
7	None or short demonstration	4.18%

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## On-Site or In-Plant Training

This section shows the results of a national survey listing the most common lengths of on-site or in-plant training for Radiation Therapists.

Rank	On-Site or In-Plant Training	Percentage of Respondents
1	Over 1 year, up to and including 2 years	24.40%
2	None	21.51%
3	Over 2 years, up to and including 4 years	16.27%
4	Over 1 month, up to and including 3 months	14.46%
5	Up to and including 1 month	12.72%
6	Over 6 months, up to and including 1 year	10.64%

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Education Level of Jobs and Candidates

This section shows the minimum level of education requested by employers on job openings advertised online, as well as the educational attainment of potential candidates in the workforce system that are looking for jobs as Healthcare Practitioners and Technical Occupations (no data available for Radiation Therapists) in Louisiana on November 23, 2020. There were 7853 job openings advertised online that did not specify a minimum education requirement (Jobs De-duplication Level 2).



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Rank	Education Level	Job Openings	Percentage of Job Openings	Potential Candidates	Percentage of Potential Candidates
1	No Minimum Education Requirement	<u>682</u>	6.55%	0	N/A
2	Less than High School	0	N/A	88	1.68%
3	High School Diploma or Equivalent	<u>701</u>	6.74%	896	17.10%
4	1 Year of College or a Technical or Vocational School	<u>3</u>	0.03%	541	10.32%
5	2 Years of College or a Technical or Vocational School	<u>7</u>	0.07%	552	10.53%
6	3 Years of College or a Technical or Vocational School	<u>1</u>	0.01%	246	4.69%
7	Vocational School Certificate	<u>100</u>	0.96%	776	14.81%
8	Associate's Degree	<u>463</u>	4.45%	936	17.86%
9	Bachelor's Degree	<u>471</u>	4.53%	874	16.68%
10	Master's Degree	<u>77</u>	0.74%	229	4.37%
11	Doctorate Degree	<u>41</u>	0.39%	57	1.09%
12	Specialized Degree (e.g. MD, DDS)	<u>8</u>	0.08%	45	0.86%
13	Not Specified	<u>7,853</u>	75.46%	0	N/A

Job Source: Online advertised jobs data  
 Candidate Source: Individuals with active résumés in the workforce system.

## Education Training Programs

This section shows the Education Training Programs for Radiation Therapists in Louisiana.

Provider Name	Program Name	Location	Tuition	Length	WIOA Eligible
<a href="#">Louisiana State University at Alexandria</a>	<a href="#">Associate of Science in Radiologic Technology.</a> An industry-recognized certificate or certification, A license recognized by the State involved or the Federal Government, An associate degree	Alexandria, LA	\$19,554	4 Semesters	
<a href="#">Louisiana State University at Eunice</a>	<a href="#">Radiologic Technology.</a> An associate degree	Eunice, LA	\$11,278	6 Semesters	

Provider Name	Program Name	Location	Tuition	Length	WIOA Eligible
<a href="#">Northwestern State University of LA - Alexandria</a>	<a href="#">Radiologic Sciences</a> A baccalaureate degree	Alexandria, LA	\$34,512	8 Semesters	✓
<a href="#">Northwestern State University of LA - Shreveport</a>	<a href="#">Radiologic Sciences</a> A baccalaureate degree	Shreveport, LA	\$34,512	8 Semesters	✓
<a href="#">Northwestern State University of LA Natchitoches (MC)</a>	<a href="#">Radiologic Sciences</a> A baccalaureate degree	NATCHITOCHES, LA	\$34,512	8 Semesters	✓
<a href="#">Our Lady of the Lake College</a>	<a href="#">Medical Radiologic Tech./Technician</a> <a href="#">Radiologic Technology</a> An industry-recognized certificate or certification, A	Baton Rouge, LA	\$25,795	53 Hours	
<a href="#">Southern University at Shreveport</a>	license recognized by the State involved or the Federal Government, An associate degree	SHREVEPORT, LA	\$11,000	72 Hours	✓

Source: U.S. Department of Commerce, Bureau of the Census, Midyear Estimates

Advertised Job Certifications

This section shows the top advertised certification groups found in job openings advertised online for Radiation Therapists in Louisiana in October, 2020. (Jobs De-duplication Level 1)

Rank	Advertised Certification Group	Advertised Certification Sub-Category	Job Opening Match Count
1	American Heart Association (AHA) CPR & First Aid Certifications	Nursing	12
2	Medical Dosimetrist Certification Board (MDCB)	Medical Professional	1

Source: Online advertised jobs data

Training Program Completers

There is no data available for Radiation Therapists in Louisiana.

# National Education, Training, Licensing and Qualifications

## Radiation Therapists Education

Employers usually prefer to hire applicants who have an associate's degree or a bachelor's degree in radiation therapy. However, candidates may qualify for some positions by completing a certificate program.

Radiation therapy programs include courses in radiation therapy procedures and the scientific theories behind them. These programs often include experience in a clinical setting and courses in human anatomy and physiology, physics, algebra, computer science, and research methodology. In 2016, there were about 110 accredited educational programs recognized by the American Registry of Radiologic Technologists (ARRT).

## Important Qualities

Detail oriented. Radiation therapists must follow exact instructions and input exact measurements to make sure the patient is exposed to the correct amount of radiation.

Interpersonal skills. Radiation therapists work closely with patients. It is important that therapists be comfortable interacting with people who may be going through physical and emotional stress.

Physical stamina. Radiation therapists must be able to be on their feet for long periods and be able to lift and move patients who need assistance.

Technical skills. Radiation therapists work with computers and large pieces of technological equipment, so they must be comfortable operating those devices.

## Licenses, Certifications, and Registrations

In most states, radiation therapists must be licensed or certified. Requirements vary by state, but typically include graduation from an accredited radiation therapy program and ARRT certification.

To become ARRT certified, an applicant must complete an accredited radiation therapy program, adhere to ARRT ethical standards, and pass the certification exam. The exam covers radiation protection and quality assurance, clinical concepts in radiation oncology, treatment planning, treatment delivery, and patient care and education. A list of accredited programs is available from ARRT.

Many jobs also require cardiopulmonary resuscitation (CPR) or basic life support (BLS) certification.

## Advancement

With additional education and certification, therapists can become medical dosimetrists. Dosimetrists are responsible for calculating the correct dose of radiation that is used in the treatment of cancer patients.

Source: [U.S. Department of Labor Bureau of Labor Statistics](#)

# Typical Work Experience Requirements

**Radiation Therapists** Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

# Related Work Experience



This section shows the results of a national survey listing the most common related work experience for Radiation Therapists.

Rank	Related Work Experience	Percentage of Respondents
1	Over 1 year, up to and including 2 years	32.92%
2	None	29.83%
3	Over 2 years, up to and including 4 years	16.14%
4	Over 6 months, up to and including 1 year	9.37%
5	Over 4 years, up to and including 6 years	4.29%
6	Over 3 months, up to and including 6 months	3.56%
7	Over 6 years, up to and including 8 years	2.38%
8	Over 10 years	1.50%

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Work Experience of Jobs and Candidates

This section shows the minimum required work experience requested by employers on job openings advertised online, as well as the experience level of potential candidates in the workforce system that are looking for jobs as Healthcare Practitioners and Technical Occupations (no data available for Radiation Therapists) in Louisiana on November 23, 2020. There were 8236 job openings advertised online that did not specify a minimum experience requirement (Jobs De-duplication Level 2).

Rank	Experience	Job Openings	Percentage of Job Openings	Potential Candidates	Percentage of Potential Candidates
1	Not Specified	8,236	79.14%	0	N/A
2	Entry Level	1,501	14.42%	0	N/A
3	Less than 1 year	79	0.76%	228	4.35%
4	1 Year to 2 Years	411	3.95%	139	2.65%
5	2 Years to 5 Years	169	1.62%	384	7.33%
6	5 Years to 10 Years	10	0.10%	598	11.41%
7	More than 10 Years	1	0.01%	3,891	74.26%

Job Source: Online advertised jobs data  
Candidate Source: Individuals with active résumés in the workforce system.

## Current Job Order Wage Information

The employer has NOT indicated a salary range for this job. The information below shows statistics on typical salaries in the local labor market for Radiation Therapists. This data is NOT an indication of what this employer is willing to pay for this job.

## Employment Wage Statistics

This section shows the estimated employment wage statistics for individuals in Louisiana employed for Radiation Therapists in 2019.

Rate Type / Statistical Type	Entry level	Median	Experienced
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Rate Type / Statistical Type	Entry level	Median	Experienced
Annual wage or salary	\$52,691	\$70,724	\$103,999
Hourly wage	\$25.33	\$34.00	\$50.00

Source: Labor Market Statistics, Occupational Employment Statistics Program

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Entry level and Experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively. Data is from an annual survey.

## Wage Rates on Advertised Jobs

This section shows a statistical breakdown of available wage data on the 11 job openings advertised online for Radiation Therapists in Louisiana that posted a salary on November 23, 2020.

Rate Type / Statistical Type	Entry Level	Median	Experienced
Annual wage or salary	N/A	N/A	N/A
Hourly Wage	N/A	N/A	N/A

Source: Online advertised jobs data

Note: This information is based on actual job orders and is not based on a statistically valid labor market survey. Hourly wage rate calculations in this section assume a 40 hour work week.

## Desired Salary of Available Candidates

This section shows the desired salary of potential candidates in the workforce system that are looking for jobs as Radiation Therapists in Louisiana on November 23, 2020.

Rank	Desired Salary	Potential Candidates	Percentage of Potential Candidates
1	Not Specified	1,250	23.93%
2	\$5,000 - \$19,999	167	3.20%
3	\$20,000 - \$34,999	1,559	29.84%
4	\$35,000 - \$49,999	1,101	21.08%
5	\$50,000 - \$64,999	508	9.72%
6	\$65,000 - \$79,999	325	6.22%
7	\$80,000 - \$94,999	163	3.12%
8	\$95,000 or more	151	2.89%

Source: Individuals with active résumés in the workforce system.

## Wage Rates Area Distribution

There is no data available for Radiation Therapists in Louisiana.

## Wage Rates in Related Occupations

This section shows a comparison of 2019 median annual rates for occupations that are in the same occupational family as Radiation Therapists for Louisiana.

Rank	Occupation	Median	*Related By

Rank	Occupation	Median	*Related By
1	<u>Occupational Therapists</u> 🌟	\$87,150	SOC4
2	<u>Low Vision Therapists, Orientation and Mobility Specialists, and Vision Rehabilitation Therapists</u> 🌟	\$87,150	SOC4
3	<u>Physical Therapists</u> 🌟	\$86,644	SOC4
4	<u>Speech-Language Pathologists</u> 🌟	\$80,772	SOC4
5	<u>Veterinarians</u> 🌟	\$80,383	SOC4
6	<u>Radiation Therapists</u> 🌟	\$70,724	N/A
7	<u>Nuclear Medicine Technologists</u> 🌟	\$68,193	O*NET
8	<u>Registered Nurses</u> 🌟	\$64,044	O*NET
9	<u>Acute Care Nurses</u> 🌟	\$64,044	O*NET
10	<u>Critical Care Nurses</u> 🌟	\$64,044	O*NET
11	<u>Diagnostic Medical Sonographers</u> 🌟	\$62,001	O*NET
12	<u>Occupational Therapy Assistants</u> 🌟	\$60,548	O*NET
13	<u>Physical Therapist Assistants</u> 🌟	\$54,873	O*NET
14	<u>Respiratory Therapists</u> 🌟	\$54,660	O*NET
15	<u>Radiologic Technologists</u> 🌟	\$51,720	O*NET
16	<u>Surgical Technologists</u> 🌟	\$40,492	O*NET
17	<u>Recreational Therapists</u> 🌟	\$40,384	SOC4
18	<u>Licensed Practical and Licensed Vocational Nurses</u> 🌟	\$40,065	O*NET
19	<u>Cardiovascular Technologists and Technicians</u> 🌟	\$37,253	O*NET
20	<u>Therapists, All Other</u> 🌟	\$35,993	SOC4
21	<u>Medical Appliance Technicians</u> 🌟	\$34,012	O*NET
22	<u>Dental Assistants</u> 🌟	\$32,991	O*NET
23	<u>Medical Equipment Preparers</u> 🌟	\$29,569	O*NET
24	<u>Medical Assistants</u> 🌟	\$29,530	O*NET
25	<u>Municipal Firefighters</u>	\$28,144	O*NET
26	<u>Forest Firefighters</u>	\$28,144	O*NET
27	<u>Endoscopy Technicians</u> 🌟	\$27,234	O*NET

🌟 BRIGHT OUTLOOK NATIONALLY

Source: Labor Market Statistics, Occupational Employment Statistics Program  
 The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Entry level and Experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively. Data is from an annual survey.

\*Related By: O\*NET™ - The Occupational Information Network. O\*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.  
 SOC4 - Occupational grouping based on 1st 4 digits of the Standard Occupational Classification system.

## Wage Rates by Industry

There is no data available for Radiation Therapists in Louisiana.

## National Earnings Data Summary

**Radiation Therapists** The median annual wage for radiation therapists was \$80,160 in May 2016. The median wage is the wage at which half the workers in an occupation earned more than that amount and half earned less. The lowest 10 percent earned less than \$53,680, and the highest 10 percent earned more than \$123,710.

In May 2016, the median annual wages for radiation therapists in the top industries in which they worked were as follows:

- Outpatient care centers \$83,360
- Hospitals; state, local, and private 81,450
- Offices of physicians 76,420

Most radiation therapists work full time. Radiation therapists keep a regular work schedule because radiation therapy procedures are usually planned in advance.

Source: [U.S. Department of Labor Bureau of Labor Statistics](#)

## Occupational Employment & Future Employment Outlook

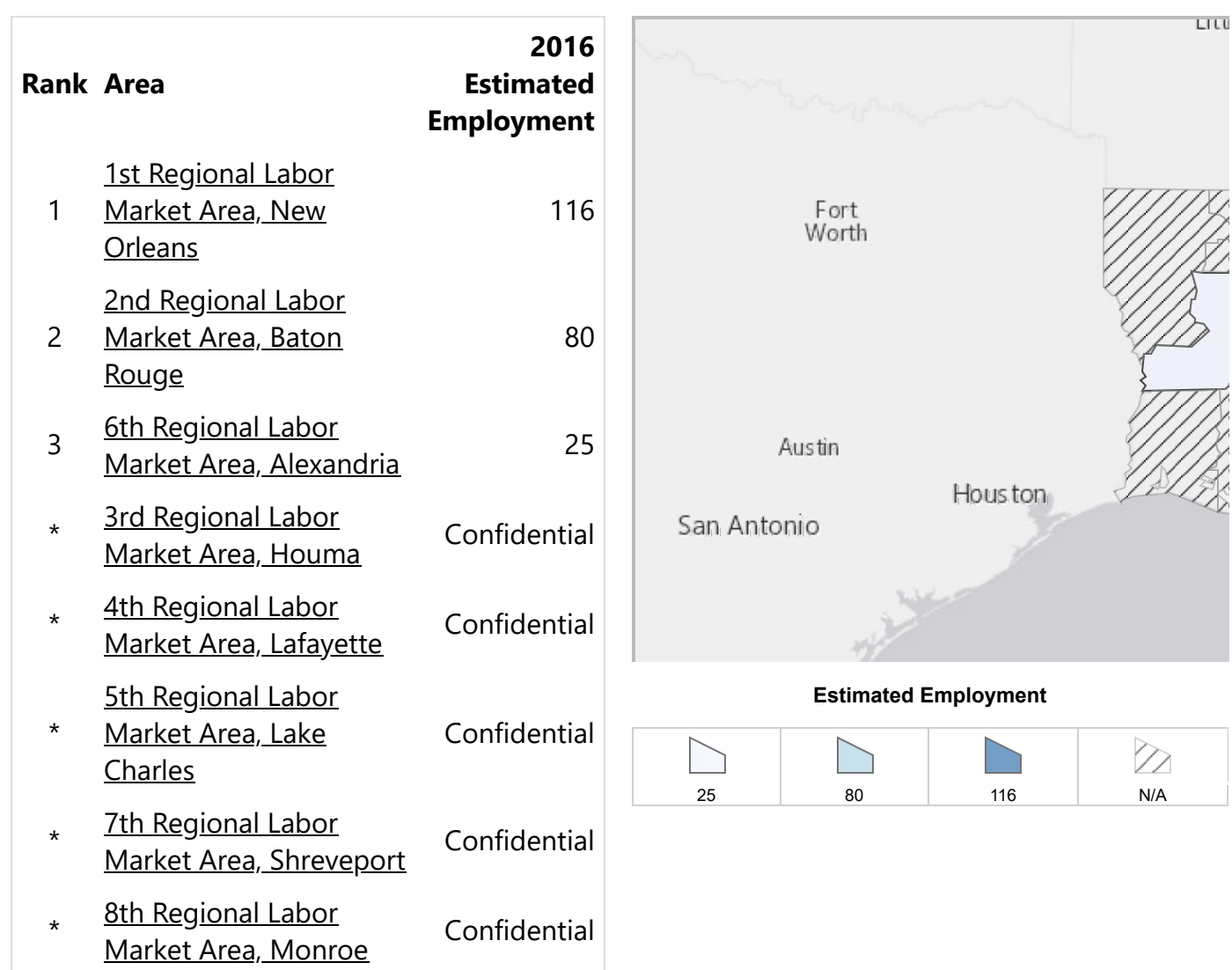
This section shows the long term employment projections for Radiation Therapists in Louisiana from 2016-2026.

Occupation	2016 Estimated Employment	2026 Projected Employment	Total 2016- 2026 Employment Change	2016-2026 Annual Avg. Percent Change
Radiation Therapists	407	451	44	1.03%
Total All	2,034,986	2,203,144	168,158	0.80%

Source: Occupational Employment Projections

## Employment Data Area Distribution

This section shows the distribution of the 2016 estimated employment for Radiation Therapists in Louisiana by regional labor market area.



\* Rank is suppressed for confidential data.

Source: Labor Market Statistics, Occupational Employment Projections Program

# Employment Data in Related Occupations

This section shows the 2016 Estimated Employment in Louisiana for occupations related to Radiation Therapists.

Rank	Occupation	2016 Estimated Employment	*Related By
1	<a href="#">Acute Care Nurses</a>	44,616	O*NET
2	<a href="#">Critical Care Nurses</a>	44,616	O*NET
3	<a href="#">Registered Nurses</a>	44,616	O*NET
4	<a href="#">Licensed Practical and Licensed Vocational Nurses</a>	21,051	O*NET
5	<a href="#">Forest Firefighters</a>	6,750	O*NET
6	<a href="#">Municipal Firefighters</a>	6,750	O*NET
7	<a href="#">Medical Assistants</a>	5,665	O*NET
8	<a href="#">Dental Assistants</a>	3,665	O*NET
9	<a href="#">Physical Therapists</a>	3,180	SOC4
10	<a href="#">Radiologic Technologists</a>	2,806	O*NET
11	<a href="#">Medical and Clinical Laboratory Technicians</a>	2,586	O*NET
12	<a href="#">Speech-Language Pathologists</a>	2,483	SOC4
13	<a href="#">Neurodiagnostic Technologists</a>	2,346	O*NET
14	<a href="#">Radiologic Technicians</a>	2,346	O*NET

Rank	Occupation	2016 Estimated Employment	*Related By
15	<u>Endoscopy Technicians</u> 🌟	2,255	O*NET
16	<u>Surgical Technologists</u> 🌟	2,124	O*NET
17	<u>Dental Hygienists</u> 🌟	1,942	O*NET
18	<u>Low Vision Therapists, Orientation and Mobility Specialists, and Vision Rehabilitation Therapists</u> 🌟	1,617	SOC4
19	<u>Occupational Therapists</u> 🌟	1,617	SOC4
20	<u>Physical Therapist Assistants</u> 🌟	1,443	O*NET
21	<u>Veterinarians</u> 🌟	1,409	SOC4
22	<u>Psychiatric Aides</u> 🌟	1,315	O*NET
23	<u>Diagnostic Medical Sonographers</u> 🌟	971	O*NET
24	<u>Cardiovascular Technologists and Technicians</u> 🌟	957	O*NET
25	<u>Occupational Therapy Assistants</u> 🌟	620	O*NET
26	<u>Therapists, All Other</u> 🌟	598	SOC4
27	<u>Respiratory Therapy Technicians</u>	519	O*NET
28	<u>Nuclear Medicine Technologists</u> 🌟	439	O*NET
29	<u>Radiation Therapists</u> 🌟	407	SOC4
30	<u>Medical Equipment Preparers</u> 🌟	331	O*NET
31	<u>Recreational Therapists</u> 🌟	311	SOC4
32	<u>Respiratory Therapists</u> 🌟	188	O*NET
33	<u>Acupuncturists</u> 🌟	159	SOC4
34	<u>Health Diagnosing and Treating Practitioners, All Other</u> 🌟	159	SOC4
35	<u>Naturopathic Physicians</u> 🌟	159	SOC4
36	<u>Orthoptists</u> 🌟	159	SOC4
37	<u>Medical Appliance Technicians</u> 🌟	45	O*NET
*	<u>Emergency Medical Technicians and Paramedics</u> 🌟	Confidential	O*NET

🌟 BRIGHT OUTLOOK NATIONALLY

\* Rank is suppressed for confidential data.

Source: Occupational Employment Projections

\*Related By: O\*NET™ - The Occupational Information Network. O\*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

SOC4 - Occupational grouping based on 1st 4 digits of the Standard Occupational Classification system.

## Projected Annual Openings

This section shows the long term projected annual openings for Radiation Therapists in Louisiana from 2016 to 2026.

Occupation	Total Annual Average Openings	Annual Average Openings Due to Growth	Annual Average Openings Due to Replacement
Radiation Therapists	N/A	N/A	N/A

Occupation	Total Annual Average Openings	Annual Average Openings Due to Growth	Annual Average Openings Due to Replacement
Healthcare Practitioners and Technical	N/A	N/A	N/A

Source: Labor Market Statistics, Occupational Employment Projections Program

## Projected Annual Openings Area Distribution

This section shows the distribution of the total annual average openings for Radiation Therapists in Louisiana by regional labor market area from 2016 to 2026.

Rank	Area	Total Annual Average Openings
1	<a href="#">1st Regional Labor Market Area, New Orleans</a>	N/A
2	<a href="#">2nd Regional Labor Market Area, Baton Rouge</a>	N/A
3	<a href="#">6th Regional Labor Market Area, Alexandria</a>	N/A
*	<a href="#">3rd Regional Labor Market Area, Houma</a>	Confidential
*	<a href="#">4th Regional Labor Market Area, Lafayette</a>	Confidential
*	<a href="#">5th Regional Labor Market Area, Lake Charles</a>	Confidential
*	<a href="#">7th Regional Labor Market Area, Shreveport</a>	Confidential
*	<a href="#">8th Regional Labor Market Area, Monroe</a>	Confidential

There is no total annual average openings data available for Radiation Therapists in Louisiana.

\* Rank is suppressed for confidential data.

Source: Labor Market Statistics, Occupational Employment Projections Program

## Projected Annual Openings in Related Occupations

This section shows the projected total annual average openings in Louisiana for occupations related to Radiation Therapists from 2016 to 2026.

Rank	Occupation	Total Annual Average Openings	*Related By
1	<a href="#">Acupuncturists</a> 🌟	N/A	SOC4
2	<a href="#">Acute Care Nurses</a> 🌟	N/A	O*NET
3	<a href="#">Cardiovascular Technologists and Technicians</a> 🌟	N/A	O*NET
4	<a href="#">Critical Care Nurses</a> 🌟	N/A	O*NET
5	<a href="#">Dental Assistants</a> 🌟	N/A	O*NET

Rank	Occupation	Total Annual Average Openings	*Related By
6	<u>Dental Hygienists</u> 🌟	N/A	O*NET
7	<u>Diagnostic Medical Sonographers</u> 🌟	N/A	O*NET
8	<u>Endoscopy Technicians</u> 🌟	N/A	O*NET
9	<u>Forest Firefighters</u>	N/A	O*NET
10	<u>Health Diagnosing and Treating Practitioners, All Other</u> 🌟	N/A	SOC4
11	<u>Licensed Practical and Licensed Vocational Nurses</u> 🌟	N/A	O*NET
12	<u>Low Vision Therapists, Orientation and Mobility Specialists, and Vision Rehabilitation Therapists</u> 🌟	N/A	SOC4
13	<u>Medical and Clinical Laboratory Technicians</u> 🌟	N/A	O*NET
14	<u>Medical Appliance Technicians</u> 🌟	N/A	O*NET
15	<u>Medical Assistants</u> 🌟	N/A	O*NET
16	<u>Medical Equipment Preparers</u> 🌟	N/A	O*NET
17	<u>Municipal Firefighters</u>	N/A	O*NET
18	<u>Naturopathic Physicians</u> 🌟	N/A	SOC4
19	<u>Neurodiagnostic Technologists</u> 🌟	N/A	O*NET
20	<u>Nuclear Medicine Technologists</u> 🌟	N/A	O*NET
21	<u>Occupational Therapists</u> 🌟	N/A	SOC4
22	<u>Occupational Therapy Assistants</u> 🌟	N/A	O*NET
23	<u>Orthoptists</u> 🌟	N/A	SOC4
24	<u>Physical Therapist Assistants</u> 🌟	N/A	O*NET
25	<u>Physical Therapists</u> 🌟	N/A	SOC4
26	<u>Psychiatric Aides</u> 🌟	N/A	O*NET
27	<u>Radiation Therapists</u> 🌟	N/A	SOC4
28	<u>Radiologic Technicians</u> 🌟	N/A	O*NET
29	<u>Radiologic Technologists</u> 🌟	N/A	O*NET
30	<u>Recreational Therapists</u> 🌟	N/A	SOC4
31	<u>Registered Nurses</u> 🌟	N/A	O*NET
32	<u>Respiratory Therapists</u> 🌟	N/A	O*NET
33	<u>Respiratory Therapy Technicians</u>	N/A	O*NET
34	<u>Speech-Language Pathologists</u> 🌟	N/A	SOC4
35	<u>Surgical Technologists</u> 🌟	N/A	O*NET
36	<u>Therapists, All Other</u> 🌟	N/A	SOC4
37	<u>Veterinarians</u> 🌟	N/A	SOC4
*	<u>Emergency Medical Technicians and Paramedics</u> 🌟	Confidential	O*NET

🌟 BRIGHT OUTLOOK NATIONALLY

\* Rank is suppressed for confidential data.

Source: Occupational Employment Projections

Industries by Employment



This section shows the industries that employed the highest number of Radiation Therapists in Louisiana in 2016.

Rank	Industry Title	Estimated Employment	Percent of Total Employment
1	<a href="#">Hospitals</a>	284	69.78%
2	<a href="#">Self-Employed and Unpaid Family Workers, Primary Job</a>	25	6.14%
*	<a href="#">Ambulatory Health Care Services</a>	Confidential	Confidential
*	<a href="#">Nursing and Residential Care Facilities</a>	Confidential	Confidential

\* Rank is suppressed for confidential data.

Source: Louisiana Workforce Commission, Occupational Projections Program

## Work Activities

This section shows the most common work activities required by Radiation Therapists in order of importance. Click on a link in the Work Activity column to view more detailed information.

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
<a href="#">Assisting and Caring for Others</a>	Providing personal assistance, medical attention, emotional support, or other personal care to others such as coworkers, customers, or patients.	90
<a href="#">Controlling Machines and Processes</a>	Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).	90
<a href="#">Inspecting Equipment, Structures, or Material</a>	Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.	90
<a href="#">Documenting/Recording Information</a>	Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.	90
<a href="#">Identifying Objects, Actions, and Events</a>	Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.	88
<a href="#">Updating and Using Relevant Knowledge</a>	Keeping up-to-date technically and applying new knowledge to your job.	86
<a href="#">Performing for or Working Directly with the Public</a>	Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests.	86
<a href="#">Communicating with Supervisors, Peers, or Subordinates</a>	Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.	85
<a href="#">Interacting With Computers</a>	Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.	85

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
<u>Getting Information</u>	Observing, receiving, and otherwise obtaining information from all relevant sources.	84
<u>Making Decisions and Solving Problems</u>	Analyzing information and evaluating results to choose the best solution and solve problems.	83
<u>Monitor Processes, Materials, or Surroundings</u>	Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.	79
<u>Establishing and Maintaining Interpersonal Relationships</u>	Developing constructive and cooperative working relationships with others, and maintaining them over time.	74
<u>Evaluating Information to Determine Compliance with Standards</u>	Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.	74
<u>Performing General Physical Activities</u>	Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.	73
<u>Interpreting the Meaning of Information for Others</u>	Translating or explaining what information means and how it can be used.	73
<u>Processing Information</u>	Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.	72
<u>Judging the Qualities of Things, Services, or People</u>	Assessing the value, importance, or quality of things or people.	69
<u>Coordinating the Work and Activities of Others</u>	Getting members of a group to work together to accomplish tasks.	68
<u>Training and Teaching Others</u>	Identifying the educational needs of others, developing formal educational or training programs or classes, and teaching or instructing others.	68
<u>Organizing, Planning, and Prioritizing Work</u>	Developing specific goals and plans to prioritize, organize, and accomplish your work.	67
<u>Handling and Moving Objects</u>	Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.	66
<u>Analyzing Data or Information</u>	Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.	65

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
<u>Estimating the Quantifiable Characteristics of Products, Events, or Information</u>	Estimating sizes, distances, and quantities; or determining time, costs, resources, or materials needed to perform a work activity.	63
<u>Developing and Building Teams</u>	Encouraging and building mutual trust, respect, and cooperation among team members.	62
<u>Communicating with Persons Outside Organization</u>	Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or e-mail.	61
<u>Scheduling Work and Activities</u>	Scheduling events, programs, and activities, as well as the work of others.	60
<u>Resolving Conflicts and Negotiating with Others</u>	Handling complaints, settling disputes, and resolving grievances and conflicts, or otherwise negotiating with others.	59
<u>Repairing and Maintaining Electronic Equipment</u>	Servicing, repairing, calibrating, regulating, fine-tuning, or testing machines, devices, and equipment that operate primarily on the basis of electrical or electronic (not mechanical) principles.	59
<u>Performing Administrative Activities</u>	Performing day-to-day administrative tasks such as maintaining information files and processing paperwork.	55
<u>Thinking Creatively</u>	Developing, designing, or creating new applications, ideas, relationships, systems, or products, including artistic contributions.	53
<u>Operating Vehicles, Mechanized Devices, or Equipment</u>	Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.	53
<u>Drafting, Laying Out, and Specifying Technical Devices, Parts, and Equipment</u>	Providing documentation, detailed instructions, drawings, or specifications to tell others about how devices, parts, equipment, or structures are to be fabricated, constructed, assembled, modified, maintained, or used.	51
<u>Repairing and Maintaining Mechanical Equipment</u>	Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.	50
<u>Guiding, Directing, and Motivating Subordinates</u>	Providing guidance and direction to subordinates, including setting performance standards and monitoring performance.	50

Work Activity	Work Activity Description	Rank by Importance (Out of 100)
<a href="#">Coaching and Developing Others</a>	Identifying the developmental needs of others and coaching, mentoring, or otherwise helping others to improve their knowledge or skills.	50
<a href="#">Provide Consultation and Advice to Others</a>	Providing guidance and expert advice to management or other groups on technical, systems-, or process-related topics.	43
<a href="#">Developing Objectives and Strategies</a>	Establishing long-range objectives and specifying the strategies and actions to achieve them.	41
<a href="#">Monitoring and Controlling Resources</a>	Monitoring and controlling resources and overseeing the spending of money.	39
<a href="#">Staffing Organizational Units</a>	Recruiting, interviewing, selecting, hiring, and promoting employees in an organization.	34

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Tasks

This section shows the most common tasks required by Radiation Therapists in order of importance. Click on a link in the Task column to view more detailed information.

Tasks	Task Description	Rank by Importance (Out of 100)
<a href="#">Administer prescribed doses of radiation to specific body parts, using radiation therapy equipment according to established practices and standards.</a>	Core	97
<a href="#">Position patients for treatment with accuracy, according to prescription.</a>	Core	97
<a href="#">Follow principles of radiation protection for patient, self, and others.</a>	Core	96
<a href="#">Review prescription, diagnosis, patient chart, and identification.</a>	Core	96
<a href="#">Conduct most treatment sessions independently, in accordance with the long-term treatment plan and under the general direction of the patient's physician.</a>	Core	95
<a href="#">Enter data into computer and set controls to operate or adjust equipment or regulate dosage.</a>	Core	95
<a href="#">Check radiation therapy equipment to ensure proper operation.</a>	Core	94
<a href="#">Observe and reassure patients during treatment and report unusual reactions to physician or turn equipment off if unexpected adverse reactions occur.</a>	Core	92
<a href="#">Educate, prepare, and reassure patients and their families by answering questions, providing physical assistance, and reinforcing physicians' advice regarding treatment reactions or post-treatment care.</a>	Core	91

Tasks	Task Description	Rank by Importance (Out of 100)
<u>Maintain records, reports, or files as required, including such information as radiation dosages, equipment settings, or patients' reactions.</u>	Core	91
<u>Check for side effects, such as skin irritation, nausea, or hair loss to assess patients' reaction to treatment.</u>	Core	89
<u>Prepare or construct equipment, such as immobilization, treatment, or protection devices.</u>	Core	89
<u>Help physicians, radiation oncologists, or clinical physicists to prepare physical or technical aspects of radiation treatment plans, using information about patient condition and anatomy.</u>	Core	87
<u>Calculate actual treatment dosages delivered during each session.</u>	Core	87
<u>Photograph treated area of patient and process film.</u>	Core	86
<u>Act as liaison with physicist and supportive care personnel.</u>	Core	86
<u>Schedule patients for treatment times.</u>	Core	79
<u>Provide assistance to other healthcare personnel during dosimetry procedures and tumor localization.</u>	Core	79
<u>Train or supervise student or subordinate radiotherapy technologists.</u>	Core	75
<u>Implement appropriate follow-up care plans.</u>	Supplemental	80
<u>Store, sterilize, or prepare the special applicators containing the radioactive substance implanted by the physician.</u>	Supplemental	74
<u>Assist in the preparation of sealed radioactive materials, such as cobalt, radium, cesium, or isotopes, for use in radiation treatments.</u>	Supplemental	69

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## National Working Conditions

**Radiation Therapists** Radiation therapists work in hospitals, offices of physicians, and outpatient centers.

Radiation therapists held about 19,100 jobs in 2016. The largest employers of radiation therapists were as follows:

- Hospitals; state, local, and private 64%
- Offices of physicians 21
- Self-employed workers 6
- Outpatient care centers 5

Radiation therapists are on their feet for long periods and may need to lift or turn disabled patients. Because they work with radiation and radioactive material, radiation therapists must follow safety procedures to make sure that they are not exposed to a potentially harmful amount of radiation. These procedures usually require therapists to stand in a different room while the patient undergoes radiation procedures.

Injuries and illnesses

Since radiation therapists administer radiation treatments over many years they should take precautions to limit exposure and be aware of the risks involved.

Work Schedules

Most radiation therapists work full time. Radiation therapists keep a regular work schedule because radiation therapy procedures are usually planned in advance.

Source: [U.S. Department of Labor Bureau of Labor Statistics](#)

Typical Work Conditions

This section shows the most common work conditions required by Radiation Therapists in order of importance.

Work Condition	Work Condition Description	Rank by Importance (Out of 100)
Contact With Others	How much does this job require the worker to be in contact with others (face-to-face, by telephone, or otherwise) in order to perform it?	99
Physical Proximity	To what extent does this job require the worker to perform job tasks in close physical proximity to other people?	98
Importance of Being Exact or Accurate	How important is being very exact or highly accurate in performing this job?	97
Exposed to Disease or Infections	How often does this job require exposure to disease/infections?	95
Electronic Mail	How often do you use electronic mail in this job?	93
Face-to-Face Discussions	How often do you have to have face-to-face discussions with individuals or teams in this job?	93
Telephone	How often do you have telephone conversations in this job?	93
Importance of Repeating Same Tasks	How important is repeating the same physical activities (e.g., key entry) or mental activities (e.g., checking entries in a ledger) over and over, without stopping, to performing this job?	92
Indoors, Environmentally Controlled	How often does this job require working indoors in environmentally controlled conditions?	89
Consequence of Error	How serious would the result usually be if the worker made a mistake that was not readily correctable?	88
Time Pressure	How often does this job require the worker to meet strict deadlines?	87
Spend Time Using Your Hands to Handle, Control, or Feel Objects, Tools, or Controls	How much does this job require using your hands to handle, control, or feel objects, tools or controls?	86

Work Condition	Work Condition Description	Rank by Importance (Out of 100)
Work With Work Group or Team	How important is it to work with others in a group or team in this job?	85
Impact of Decisions on Co-workers or Company Results	What results do your decisions usually have on other people or the image or reputation or financial resources of your employer?	83
Frequency of Decision Making	How frequently is the worker required to make decisions that affect other people, the financial resources, and/or the image and reputation of the organization?	79
Freedom to Make Decisions	How much decision making freedom, without supervision, does the job offer?	79
Spend Time Making Repetitive Motions	How much does this job require making repetitive motions?	75
Spend Time Walking and Running	How much does this job require walking and running?	74
Level of Competition	To what extent does this job require the worker to compete or to be aware of competitive pressures?	73
Spend Time Standing	How much does this job require standing?	72
Structured versus Unstructured Work	To what extent is this job structured for the worker, rather than allowing the worker to determine tasks, priorities, and goals?	71
Responsible for Others' Health and Safety	How much responsibility is there for the health and safety of others in this job?	71
Pace Determined by Speed of Equipment	How important is it to this job that the pace is determined by the speed of equipment or machinery? (This does not refer to keeping busy at all times on this job.)	70
Responsibility for Outcomes and Results	How responsible is the worker for work outcomes and results of other workers?	68
Deal With Unpleasant or Angry People	How frequently does the worker have to deal with unpleasant, angry, or discourteous individuals as part of the job requirements?	68
Coordinate or Lead Others	How important is it to coordinate or lead others in accomplishing work activities in this job?	68
Frequency of Conflict Situations	How often are there conflict situations the employee has to face in this job?	61
Deal With External Customers	How important is it to work with external customers or the public in this job?	60

Work Condition	Work Condition Description	Rank by Importance (Out of 100)
Spend Time Bending or Twisting the Body	How much does this job require bending or twisting your body?	60
Letters and Memos	How often does the job require written letters and memos?	59
Exposed to Radiation	How often does this job require exposure to radiation?	56
Wear Common Protective or Safety Equipment such as Safety Shoes, Glasses, Gloves, Hearing Protection, Hard Hats, or Life Jackets	How much does this job require wearing common protective or safety equipment such as safety shoes, glasses, gloves, hard hats or life jackets?	55
Degree of Automation	How automated is the job?	48
Exposed to Contaminants	How often does this job require working exposed to contaminants (such as pollutants, gases, dust or odors)?	45
Cramped Work Space, Awkward Positions	How often does this job require working in cramped work spaces that requires getting into awkward positions?	43
Wear Specialized Protective or Safety Equipment such as Breathing Apparatus, Safety Harness, Full Protection Suits, or Radiation Protection	How much does this job require wearing specialized protective or safety equipment such as breathing apparatus, safety harness, full protection suits, or radiation protection?	43
Exposed to Hazardous Equipment	How often does this job require exposure to hazardous equipment?	42
Sounds, Noise Levels Are Distracting or Uncomfortable	How often does this job require working exposed to sounds and noise levels that are distracting or uncomfortable?	39
Exposed to Hazardous Conditions	How often does this job require exposure to hazardous conditions?	37
Spend Time Sitting	How much does this job require sitting?	32
Spend Time Kneeling, Crouching, Stooping, or Crawling	How much does this job require kneeling, crouching, stooping or crawling?	29
Spend Time Keeping or Regaining Balance	How much does this job require keeping or regaining your balance?	25
Deal With Physically Aggressive People	How frequently does this job require the worker to deal with physical aggression of violent individuals?	25
Exposed to Minor Burns, Cuts, Bites, or Stings	How often does this job require exposure to minor burns, cuts, bites, or stings?	21
Public Speaking	How often do you have to perform public speaking in this job?	19



Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Work Values and Needs

This section shows the information on the current work values for your selected occupation.

Work Value	Work Value Description	Rank By Extent (Out of 100)
Relationships	Occupations that satisfy this work value allow employees to provide service to others and work with co-workers in a friendly non-competitive environment. Corresponding needs are Co-workers, Moral Values and Social Service.	89
Support	Occupations that satisfy this work value offer supportive management that stands behind employees. Corresponding needs are Company Policies, Supervision: Human Relations and Supervision: Technical.	89
Achievement	Occupations that satisfy this work value are results oriented and allow employees to use their strongest abilities, giving them a feeling of accomplishment. Corresponding needs are Ability Utilization and Achievement.	67
Working Conditions	Occupations that satisfy this work value offer job security and good working conditions. Corresponding needs are Activity, Compensation, Independence, Security, Variety and Working Conditions.	67
Independence	Occupations that satisfy this work value allow employees to work on their own and make decisions. Corresponding needs are Creativity, Responsibility and Autonomy.	61
Recognition	Occupations that satisfy this work value offer advancement, potential for leadership, and are often considered prestigious. Corresponding needs are Advancement, Authority, Recognition and Social Status.	56

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Typical Tools

This section shows common tools used by Radiation Therapists.

Detailed Tool	Tool Group
Automated external defibrillators AED	Automated external defibrillators AED or hard paddles
Workshop lathes	Automatic lathe or chucking machine
Brachytherapy units	Brachytherapy units
Computed tomography CT radiation therapy planning simulators	Computed tomography CT or CAT radiotherapy simulators
Desktop computers	Desktop computers

Detailed Tool	Tool Group
Digital cameras	Digital cameras
Optical distance indicators	Distance meters
Drill presses	Drilling machines
Electrometers	Electrometers
Radiation protection eyewear	Eye shields
Heat guns	Heat guns
Treatment room intercoms	Hospital intercom systems
Position verification lasers	Lasers
Medical imaging fluoroscopes	Medical cine fluoroscopy equipment
Computed tomography CT scanners	Medical computed tomography CT or CAT scanners or tubes
Protective medical gloves	Medical exam or non surgical procedure gloves
Daylight medical film processing equipment	Medical imaging wet darkroom or daylight processors
Linear accelerator compensation filters	Medical linear accelerator intensity modulated radiation therapy IMRT collimators
Medical linear accelerator intensity modulated radiation therapy IMRT collimators	Medical linear accelerator intensity modulated radiation therapy IMRT collimators
Multi-leaf radiation therapy collimators	Medical linear accelerator intensity modulated radiation therapy IMRT collimators
Radiation therapy beam directing wedges	Medical linear accelerator intensity modulated radiation therapy IMRT collimators
Medical linear accelerator intensity modulated radiation therapy IMRT three dimensional units	Medical linear accelerator intensity modulated radiation therapy IMRT three dimensional units
Medical linear accelerator intensity modulated radiation therapy IMRT two dimensional units	Medical linear accelerator intensity modulated radiation therapy IMRT two dimensional units
Magnetic resonance imaging MRI systems	Medical magnetic resonance imaging MRI scanners
Treatment verification equipment	Medical positron emission tomography PET units
Dual diode dosimeter patient dose monitors	Medical radiation dosimeters
Multi-monitor dosimetry systems	Medical radiation dosimeters
Wireless patient dosimeters	Medical radiation dosimeters
Personal radiation monitors	Medical radiation films or badges
Beam direction shells	Medical radiological positioning aids for general radiological use
Immobilizing bite blocks	Medical radiological positioning aids for general radiological use
Patient positioning devices	Medical radiological positioning aids for general radiological use
Patient positioning headrests	Medical radiological positioning aids for general radiological use
Patient positioning neck rests	Medical radiological positioning aids for general radiological use
Patient positioning straps	Medical radiological positioning aids for general radiological use

Detailed Tool	Tool Group
Patient treatment area casts	Medical radiological positioning aids for general radiological use
Radiation shielding lead aprons	Medical radiological shielding aprons or masks or drapes
Thyroid shields	Medical radiological shielding aprons or masks or drapes
Lead alloy shielding blocks	Medical radiological shielding freestanding or portable screens
Ultrasound imaging scanners	Medical ultrasound or doppler or pulse echo or echography units for general diagnostic use
Medical x ray image intensifiers	Medical x ray intensifying screens
Medical diagnostic x ray equipment	Medical x ray units for general diagnostic use
Laptop computers	Notebook computers
Dynamic phantoms	Phantom dosimeters
Power drills	Power drills
Band saws	Power saws
Area radiation monitors	Radiation detectors
Solid state diode detectors	Radiation detectors
Survey meters	Radiation detectors
Cobalt radiation therapy machines	Radiotherapy teletherapy cobalt 60 equipment
Respiration monitors	Respiratory monitoring kits or its accessories
Computerized block cutting equipment	Sawing machines
Body-fat calipers	Skinfold calipers
35 millimeter cameras	Still cameras
Vacuum formers	Vacuum molding machines
Laboratory water baths	Water baths
Wood chisels	Wood chisels
X ray or fluoroscopy treatment planning simulators	X ray and fluoroscopy RF radiotherapy planning simulators

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Typical Technology

This section shows common technology used by Radiation Therapists.

Detailed Technology	Technology Group
Image processing software	Graphics or photo imaging software
Web browser software	Internet browser software
Beam analysis software	Medical software
Dose unit calculation software	Medical software
Electronic medical record EMR software	Medical software
Lifeline Software RadCalc	Medical software
Nucletron planning systems	Medical software

Detailed Technology	Technology Group
Procedure scheduling software	Medical software
Radiation dose calculation software	Medical software
Radiation therapy equipment software	Medical software
Sun Nuclear MapCHECK	Medical software
Treatment planning software	Medical software
Virtual simulation software	Medical software
Microsoft Office	Office suite software
Microsoft Excel	Spreadsheet software
Microsoft Word	Word processing software

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Licensing Information

There is no data available for Radiation Therapists in Louisiana.

## Typical Knowledge Categories

This section shows the most common knowledge categories required by Radiation Therapists in order of importance. Click on a link in the Knowledge Category column to view more detailed information.

Knowledge Category	Knowledge Category Description	Rank by Importance (Out of 100)
<a href="#">Customer and Personal Service</a>	Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.	89
<a href="#">English Language</a>	Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.	76
<a href="#">Medicine and Dentistry</a>	Knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures.	74
<a href="#">Physics</a>	Knowledge and prediction of physical principles, laws, their interrelationships, and applications to understanding fluid, material, and atmospheric dynamics, and mechanical, electrical, atomic and sub- atomic structures and processes.	69
<a href="#">Mathematics</a>	Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.	66

Knowledge Category	Knowledge Category Description	Rank by Importance (Out of 100)
<u>Computers and Electronics</u>	Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.	63
<u>Biology.</u>	Knowledge of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment.	59
<u>Psychology.</u>	Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders.	59
<u>Therapy and Counseling</u>	Knowledge of principles, methods, and procedures for diagnosis, treatment, and rehabilitation of physical and mental dysfunctions, and for career counseling and guidance.	59
<u>Clerical</u>	Knowledge of administrative and clerical procedures and systems such as word processing, managing files and records, stenography and transcription, designing forms, and other office procedures and terminology.	52
<u>Administration and Management</u>	Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.	46
<u>Public Safety and Security</u>	Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.	40
<u>Mechanical</u>	Knowledge of machines and tools, including their designs, uses, repair, and maintenance.	37
<u>Sociology and Anthropology.</u>	Knowledge of group behavior and dynamics, societal trends and influences, human migrations, ethnicity, cultures and their history and origins.	34
<u>Engineering and Technology.</u>	Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.	33
<u>Personnel and Human Resources</u>	Knowledge of principles and procedures for personnel recruitment, selection, training, compensation and benefits, labor relations and negotiation, and personnel information systems.	33

Knowledge Category	Knowledge Category Description	Rank by Importance (Out of 100)
<a href="#">Chemistry</a>	Knowledge of the chemical composition, structure, and properties of substances and of the chemical processes and transformations that they undergo. This includes uses of chemicals and their interactions, danger signs, production techniques, and disposal methods.	32
<a href="#">Philosophy and Theology</a>	Knowledge of different philosophical systems and religions. This includes their basic principles, values, ethics, ways of thinking, customs, practices, and their impact on human culture.	29
<a href="#">Law and Government</a>	Knowledge of laws, legal codes, court procedures, precedents, government regulations, executive orders, agency rules, and the democratic political process.	28
<a href="#">Telecommunications</a>	Knowledge of transmission, broadcasting, switching, control, and operation of telecommunications systems.	28
<a href="#">Communications and Media</a>	Knowledge of media production, communication, and dissemination techniques and methods. This includes alternative ways to inform and entertain via written, oral, and visual media.	25
<a href="#">Foreign Language</a>	Knowledge of the structure and content of a foreign (non-English) language including the meaning and spelling of words, rules of composition and grammar, and pronunciation.	21

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Typical Work Abilities Required

This section shows the results of a national survey listing the most common work abilities required by Radiation Therapists in order of importance. Click on a link in the Work Ability column to view more detailed information.

Work Ability	Work Ability Description	Rank by Importance (Out of 100)
<a href="#">Oral Comprehension</a>	The ability to listen to and understand information and ideas presented through spoken words and sentences.	75
<a href="#">Oral Expression</a>	The ability to communicate information and ideas in speaking so others will understand.	72
<a href="#">Problem Sensitivity</a>	The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.	72
<a href="#">Written Comprehension</a>	The ability to read and understand information and ideas presented in writing.	69

Work Ability	Work Ability Description	Rank by Importance (Out of 100)
<u>Information Ordering</u>	The ability to arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations).	66
<u>Written Expression</u>	The ability to communicate information and ideas in writing so others will understand.	66
<u>Deductive Reasoning</u>	The ability to apply general rules to specific problems to produce answers that make sense.	63
<u>Arm-Hand Steadiness</u>	The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.	60
<u>Near Vision</u>	The ability to see details at close range (within a few feet of the observer).	60
<u>Speech Clarity</u>	The ability to speak clearly so others can understand you.	60
<u>Inductive Reasoning</u>	The ability to combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).	56
<u>Speech Recognition</u>	The ability to identify and understand the speech of another person.	56
<u>Category Flexibility</u>	The ability to generate or use different sets of rules for combining or grouping things in different ways.	53
<u>Control Precision</u>	The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.	53
<u>Far Vision</u>	The ability to see details at a distance.	53
<u>Selective Attention</u>	The ability to concentrate on a task over a period of time without being distracted.	53
<u>Finger Dexterity</u>	The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.	50
<u>Flexibility of Closure</u>	The ability to identify or detect a known pattern (a figure, object, word, or sound) that is hidden in other distracting material.	50
<u>Fluency of Ideas</u>	The ability to come up with a number of ideas about a topic (the number of ideas is important, not their quality, correctness, or creativity).	50
<u>Manual Dexterity</u>	The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.	50
<u>Multilimb Coordination</u>	The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.	50
<u>Visualization</u>	The ability to imagine how something will look after it is moved around or when its parts are moved or rearranged.	50

Work Ability	Work Ability Description	Rank by Importance (Out of 100)
<u>Perceptual Speed</u>	The ability to quickly and accurately compare similarities and differences among sets of letters, numbers, objects, pictures, or patterns. The things to be compared may be presented at the same time or one after the other. This ability also includes comparing a presented object with a remembered object.	47
<u>Reaction Time</u>	The ability to quickly respond (with the hand, finger, or foot) to a signal (sound, light, picture) when it appears.	47
<u>Speed of Closure</u>	The ability to quickly make sense of, combine, and organize information into meaningful patterns.	47
<u>Time Sharing</u>	The ability to shift back and forth between two or more activities or sources of information (such as speech, sounds, touch, or other sources).	47
<u>Visual Color Discrimination</u>	The ability to match or detect differences between colors, including shades of color and brightness.	47
<u>Depth Perception</u>	The ability to judge which of several objects is closer or farther away from you, or to judge the distance between you and an object.	44
<u>Mathematical Reasoning</u>	The ability to choose the right mathematical methods or formulas to solve a problem.	44
<u>Number Facility</u>	The ability to add, subtract, multiply, or divide quickly and correctly.	44
<u>Rate Control</u>	The ability to time your movements or the movement of a piece of equipment in anticipation of changes in the speed and/or direction of a moving object or scene.	41
<u>Static Strength</u>	The ability to exert maximum muscle force to lift, push, pull, or carry objects.	41
<u>Memorization</u>	The ability to remember information such as words, numbers, pictures, and procedures.	38
<u>Response Orientation</u>	The ability to choose quickly between two or more movements in response to two or more different signals (lights, sounds, pictures). It includes the speed with which the correct response is started with the hand, foot, or other body part.	35
<u>Auditory Attention</u>	The ability to focus on a single source of sound in the presence of other distracting sounds.	31
<u>Extent Flexibility</u>	The ability to bend, stretch, twist, or reach with your body, arms, and/or legs.	31
<u>Hearing Sensitivity</u>	The ability to detect or tell the differences between sounds that vary in pitch and loudness.	31
<u>Originality</u>	The ability to come up with unusual or clever ideas about a given topic or situation, or to develop creative ways to solve a problem.	31



Work Ability	Work Ability Description	Rank by Importance (Out of 100)
<u>Trunk Strength</u>	The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing.	31
<u>Gross Body Coordination</u>	The ability to coordinate the movement of your arms, legs, and torso together when the whole body is in motion.	28
<u>Stamina</u>	The ability to exert yourself physically over long periods of time without getting winded or out of breath.	28
<u>Dynamic Strength</u>	The ability to exert muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue.	25
<u>Gross Body Equilibrium</u>	The ability to keep or regain your body balance or stay upright when in an unstable position.	25
<u>Sound Localization</u>	The ability to tell the direction from which a sound originated.	25
<u>Speed of Limb Movement</u>	The ability to quickly move the arms and legs.	25
<u>Wrist-Finger Speed</u>	The ability to make fast, simple, repeated movements of the fingers, hands, and wrists.	25
<u>Night Vision</u>	The ability to see under low light conditions.	22
<u>Spatial Orientation</u>	The ability to know your location in relation to the environment or to know where other objects are in relation to you.	22
<u>Glare Sensitivity</u>	The ability to see objects in the presence of glare or bright lighting.	19
<u>Peripheral Vision</u>	The ability to see objects or movement of objects to one's side when the eyes are looking ahead.	19

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Typical Work Interests

This section shows the results of a national survey listing the most common work interests for Radiation Therapists in order of importance.

Work Interest	Work Interest Description	Rank by Importance (Out of 100)
Social	Social occupations frequently involve working with, communicating with, and teaching people. These occupations often involve helping or providing service to others.	78
Realistic	Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions. They often deal with plants, animals, and real-world materials like wood, tools, and machinery. Many of the occupations require working outside, and do not involve a lot of paperwork or working closely with others.	72

Work Interest	Work Interest Description	Rank by Importance (Out of 100)
Conventional	Conventional occupations frequently involve following set procedures and routines. These occupations can include working with data and details more than with ideas. Usually there is a clear line of authority to follow.	67
Investigative	Investigative occupations frequently involve working with ideas, and require an extensive amount of thinking. These occupations can involve searching for facts and figuring out problems mentally.	45

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Typical Work Styles

This section shows the most common work styles required by Radiation Therapists in order of importance. Click on a link in the Work Style column to view more detailed information.

Work Style	Work Style Description	Rank by Importance (Out of 100)
<a href="#">Attention to Detail</a>	Job requires being careful about detail and thorough in completing work tasks.	96
<a href="#">Concern for Others</a>	Job requires being sensitive to others' needs and feelings and being understanding and helpful on the job.	95
<a href="#">Dependability</a>	Job requires being reliable, responsible, and dependable, and fulfilling obligations.	93
<a href="#">Cooperation</a>	Job requires being pleasant with others on the job and displaying a good-natured, cooperative attitude.	92
<a href="#">Integrity</a>	Job requires being honest and ethical.	92
<a href="#">Self Control</a>	Job requires maintaining composure, keeping emotions in check, controlling anger, and avoiding aggressive behavior, even in very difficult situations.	87
<a href="#">Adaptability/Flexibility</a>	Job requires being open to change (positive or negative) and to considerable variety in the workplace.	85
<a href="#">Stress Tolerance</a>	Job requires accepting criticism and dealing calmly and effectively with high stress situations.	82
<a href="#">Social Orientation</a>	Job requires preferring to work with others rather than alone, and being personally connected with others on the job.	81
<a href="#">Initiative</a>	Job requires a willingness to take on responsibilities and challenges.	80
<a href="#">Analytical Thinking</a>	Job requires analyzing information and using logic to address work-related issues and problems.	78

Work Style	Work Style Description	Rank by Importance (Out of 100)
<a href="#">Achievement/Effort</a>	Job requires establishing and maintaining personally challenging achievement goals and exerting effort toward mastering tasks.	74
<a href="#">Persistence</a>	Job requires persistence in the face of obstacles.	74
<a href="#">Leadership</a>	Job requires a willingness to lead, take charge, and offer opinions and direction.	67
<a href="#">Innovation</a>	Job requires creativity and alternative thinking to develop new ideas for and answers to work-related problems.	67
<a href="#">Independence</a>	Job requires developing one's own ways of doing things, guiding oneself with little or no supervision, and depending on oneself to get things done.	67

Source: This information is based on O\*NET™ data. O\*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

## Related Occupations

This section shows a list of occupations related to Radiation Therapists. Click an occupation title to see more information about that occupation.

Rank	Related Occupations	Duties	*Related By
1	<a href="#">Acupuncturists</a> 🌟	Provide treatment of symptoms and disorders using needles and small electrical currents. May provide massage treatment. May also provide preventive treatments.	SOC4
2	<a href="#">Health Diagnosing and Treating Practitioners, All Other</a> 🌟	All health diagnosing and treating practitioners not listed separately.	SOC4
3	<a href="#">Low Vision Therapists, Orientation and Mobility Specialists, and Vision Rehabilitation Therapists</a> 🌟	Provide therapy to patients with visual impairments to improve their functioning in daily life activities. May train patients in activities such as computer use, communication skills, or home management skills.	SOC4
4	<a href="#">Naturopathic Physicians</a> 🌟	Diagnose, treat, and help prevent diseases using a system of practice that is based on the natural healing capacity of individuals. May use physiological, psychological or mechanical methods. May also use natural medicines, prescription or legend drugs, foods, herbs, or other natural remedies.	SOC4
5	<a href="#">Occupational Therapists</a> 🌟	Assess, plan, organize, and participate in rehabilitative programs that help build or restore vocational, homemaking, and daily living skills, as well as general independence, to persons with disabilities or developmental delays.	SOC4

Rank	Related Occupations	Duties	*Related By
6	<u>Orthoptists</u> 🌟	Diagnose and treat visual system disorders such as binocular vision and eye movement impairments.	SOC4
7	<u>Physical Therapists</u> 🌟	Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and improve or correct disabling conditions resulting from disease or injury.	SOC4
8	<u>Recreational Therapists</u> 🌟	Plan, direct, or coordinate medically-approved recreation programs for patients in hospitals, nursing homes, or other institutions. Activities include sports, trips, dramatics, social activities, and arts and crafts. May assess a patient condition and recommend appropriate recreational activity.	SOC4
9	<u>Speech-Language Pathologists</u> 🌟	Assess and treat persons with speech, language, voice, and fluency disorders. May select alternative communication systems and teach their use. May perform research related to speech and language problems.	SOC4
10	<u>Therapists, All Other</u> 🌟	All therapists not listed separately.	SOC4
11	<u>Veterinarians</u> 🌟	Diagnose, treat, or research diseases and injuries of animals. Includes veterinarians who conduct research and development, inspect livestock, or care for pets and companion animals.	SOC4
12	<u>Acute Care Nurses</u> 🌟	Provide advanced nursing care for patients with acute conditions such as heart attacks, respiratory distress syndrome, or shock. May care for pre- and post-operative patients or perform advanced, invasive diagnostic or therapeutic procedures.	O*NET
13	<u>Cardiovascular Technologists and Technicians</u> 🌟	Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary functions, lung capacity, and similar tests. Includes vascular technologists.	O*NET
14	<u>Critical Care Nurses</u> 🌟	Provide advanced nursing care for patients in critical or coronary care units.	O*NET
15	<u>Dental Assistants</u> 🌟	Assist dentist, set up equipment, prepare patient for treatment, and keep records.	O*NET
16	<u>Dental Hygienists</u> 🌟	Clean teeth and examine oral areas, head, and neck for signs of oral disease. May educate patients on oral hygiene, take and develop x rays, or apply fluoride or sealants.	O*NET
17	<u>Diagnostic Medical Sonographers</u> 🌟	Produce ultrasonic recordings of internal organs for use by physicians.	O*NET
18	<u>Endoscopy Technicians</u> 🌟	Maintain a sterile field to provide support for physicians and nurses during endoscopy procedures. Prepare and maintain instruments and equipment. May obtain specimens.	O*NET
19	<u>Licensed Practical and Licensed Vocational Nurses</u> 🌟	Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.	O*NET

Rank	Related Occupations	Duties	*Related By
20	<u>Medical and Clinical Laboratory Technicians</u> 🌟	Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.	O*NET
21	<u>Medical Assistants</u> 🌟	Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician.	O*NET
22	<u>Medical Equipment Preparers</u> 🌟	Prepare, sterilize, install, or clean laboratory or healthcare equipment. May perform routine laboratory tasks and operate or inspect equipment.	O*NET
23	<u>Neurodiagnostic Technologists</u> 🌟	Conduct electroneurodiagnostic (END) tests such as electroencephalograms, evoked potentials, polysomnograms, or electronystagmograms. May perform nerve conduction studies.	O*NET
24	<u>Nuclear Medicine Technologists</u> 🌟	Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. Subject patients to radiation. Execute blood volume, red cell survival, and fat absorption studies following standard laboratory techniques.	O*NET
25	<u>Occupational Therapy Assistants</u> 🌟	Assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with State laws, assist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments. Generally requires formal training.	O*NET
26	<u>Physical Therapist Assistants</u> 🌟	Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with State laws, assist in the development of treatment plans, carry out routine functions, document the progress of treatment, and modify specific treatments in accordance with patient status and within the scope of treatment plans established by a physical therapist. Generally requires formal training.	O*NET
27	<u>Psychiatric Aides</u> 🌟	Assist mentally impaired or emotionally disturbed patients, working under direction of nursing and medical staff. May assist with daily living activities, lead patients in educational and recreational activities, or accompany patients to and from examinations and treatments. May restrain violent patients. Includes psychiatric orderlies.	O*NET
28	<u>Radiologic Technicians</u> 🌟	Maintain and use equipment and supplies necessary to demonstrate portions of the human body on x-ray film or fluoroscopic screen for diagnostic purposes.	O*NET
29	<u>Radiologic Technologists</u> 🌟	Take x rays and CAT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Includes technologists who specialize in other scanning modalities.	O*NET

Rank	Related Occupations	Duties	*Related By
30	<u>Registered Nurses</u> 🌟	Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required.	O*NET
31	<u>Respiratory Therapists</u> 🌟	Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment.	O*NET
32	<u>Respiratory Therapy Technicians</u>	Provide respiratory care under the direction of respiratory therapists and physicians.	O*NET
33	<u>Surgical Technologists</u> 🌟	Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon's assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments.	O*NET
34	<u>Emergency Medical Technicians and Paramedics</u> 🌟	Assess injuries, administer emergency medical care, and extricate trapped individuals. Transport injured or sick persons to medical facilities.	O*NET
35	<u>Forest Firefighters</u>	Control and suppress fires in forests or vacant public land.	O*NET
36	<u>Medical Appliance Technicians</u> 🌟	Construct, fit, maintain, or repair medical supportive devices, such as braces, orthotics and prosthetic devices, joints, arch supports, and other surgical and medical appliances.	O*NET
37	<u>Municipal Firefighters</u>	Control and extinguish municipal fires, protect life and property and conduct rescue efforts.	O*NET

🌟 BRIGHT OUTLOOK NATIONALLY

Source: \*\*Related By: O\*NET™ - The Occupational Information Network. O\*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.  
SOC4 - Occupational grouping based on 1st 4 digits of the Standard Occupational Classification system.

Career Ladder

This section shows the top 10 occupations and the corresponding individuals in the workforce system who were previously Radiation Therapists and have changed their occupation over the last 5 years.

Occupation Title	Number of Individuals that Moved	Percentage of Individuals that Moved
<u>Radiologic Technologists</u> 🌟	9	25.71%
<u>Radiologic Technicians</u> 🌟	5	14.29%
<u>Administrative Services Managers</u> 🌟	4	11.43%

Occupation Title	Number of Individuals that Moved	Percentage of Individuals that Moved
<u>Customer Service Representatives</u> 🌟🌿	4	11.43%
<u>Waiters and Waitresses</u> 🌟	3	8.57%
<u>Quality Control Analysts</u> 🌟	2	5.71%
<u>Registered Nurses</u> 🌟	2	5.71%
<u>Healthcare Support Workers, All Other</u> 🌟	2	5.71%
<u>Personal Care Aides</u> 🌟	2	5.71%
<u>Retail Salespersons</u> 🌟	2	5.71%

🌟 BRIGHT OUTLOOK NATIONALLY | 🌿 GREEN OCCUPATIONS

Source: Individuals with active résumés in the workforce system.

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