

SAMPLE HEALTHCARE CAREER PATHWAY: Technical Jobs - Radiologic Technician

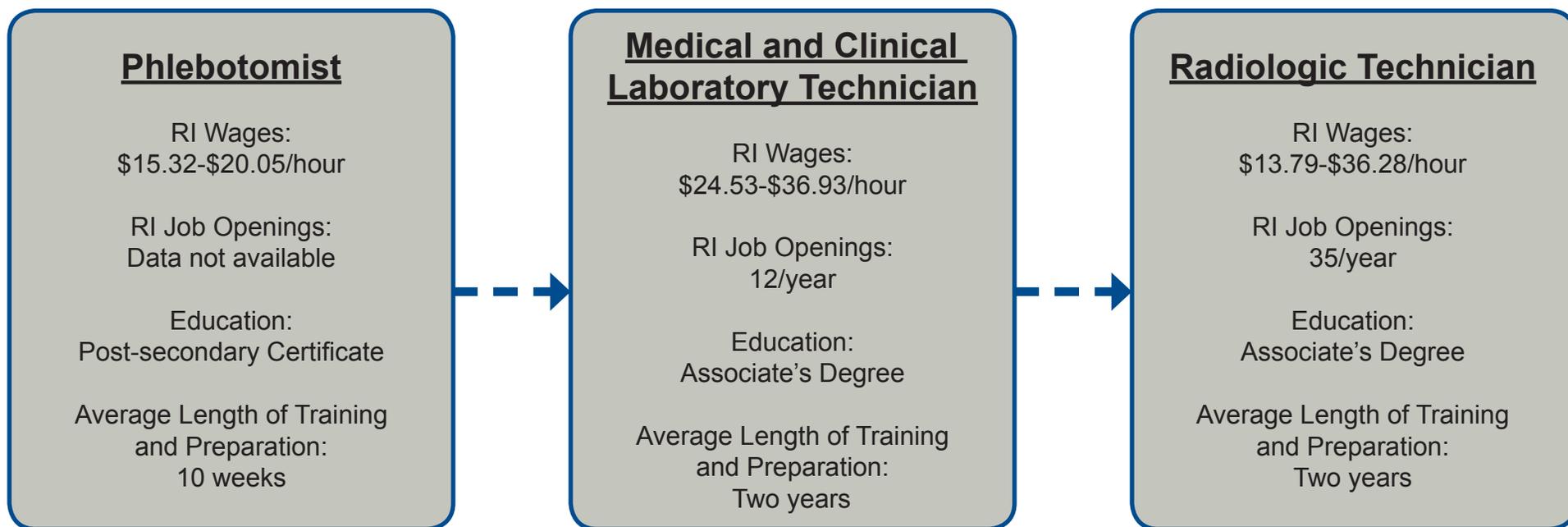
This is one of many ways to enter Rhode Island's healthcare industry and move up through technical jobs. You may enter or exit this pathway at any point.

Click on a job to learn more about:

- Wages
- How to prepare
- Education and training programs
- Exploring more options
- Needed skills and abilities



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Work Experience

Job Overview

Sample job titles: Phlebotomist, Lab Assistant, Patient Service Technician (PST), Medical Lab Assistant, Medical Laboratory Assistant, Clinical Laboratory Assistant

Job summary: Draw blood for tests, transfusions, donations, or research. May have to explain the procedure to patients and assist in the recovery of patients with adverse reactions.

Job Outlook

RI median wage:	\$17.29/hr	National median wage:	\$19.35/hr
RI wages:	\$15.32-\$20.05/hr	National wages:	\$12.12-\$28.32/hr
RI percent change in jobs through 2020:	Data not available	National percent change in jobs through 2020:	27%
RI job openings:	Data not available	National job openings:	4,640/year
Is this a high-demand job?	No		

How to Prepare

Education: Post-secondary certificate

Certified Phlebotomy Technician

- Provider: 911 Programs
- Type of certificate/degree awarded: Post-secondary certificate
- Address: 175 Metro Ctr. Blvd., Warwick, RI 02886
- Website: <http://www.dlt.ri.gov/wio/Prog11/911ProgPhleb.pdf>
- Contact: 401-773-7716 or admissions@911Programs.com

Local training programs:

Certified Phlebotomy Technician 1

- Provider: Blue Angel Education, Inc.
- Type of certificate/degree awarded: Post-secondary certificate
- Address: 1342 Douglas Ave., North Providence, RI 02904
- Website: <http://www.dlt.ri.gov/wio/Prog11/BlueAngelPhlebotomyTech.pdf>
- Contact: 401-441-4744 or monica@blueangeleducation.com

Phlebotomy

- Provider: Comprehensive Educational Services
- Type of certificate/degree awarded: Post-secondary certificate
- Address: 101 Main Street, Suite 202, Providence, RI 02860
- Website: <http://www.dlt.ri.gov/wio/Prog11/CompEdServPhlebotomy.pdf>
- Contact: 401-723-1254 or ceshealth@gmail.com

Phlebotomy Certificate

- Provider: Community College of Rhode Island
- Type of certificate/degree awarded: Post-secondary certificate
- Address: Flanagan Campus, 1762 Louisquisset Pike
Lincoln, RI 02865, or Liston Campus, One Hilton St., Providence, RI 02905
- Website: <http://www.ccri.edu/alliedhealth/phlebotomy/index.html>
- Contact: 401-333-7252

Phlebotomy Technician

- Provider: Bastien Academy
- Type of certificate/degree awarded: Post-secondary certificate
- Address: 120 Amaral St., East Providence, RI 02915
- Website: <http://www.dlt.ri.gov/wio/Prog11/BastienPhlebotomy.pdf>
- Contact: 401-369-9174 or reggie@bastienacademy.com

Phlebotomy Technician

- Provider: Coastal Career Academy
- Type of certificate/degree awarded: Post-secondary certificate
- Address: 288 Plymouth Ave., Fall River, MA 02721
- Website: <http://www.dlt.ri.gov/wio/Prog11/CoastalCAPHlebotomy.pdf>
- Contact: 508-536-5366 or coastalcareer@comcast.net

Phlebotomy Technician

- Provider: DeWalt Institute/Health Training Ctr.
- Type of certificate/degree awarded: Post-secondary certificate
- Address: 358 Broadway, Cambridge, MA 02139
- Website: <http://www.dlt.ri.gov/wio/Prog11/HTCtrPhlebTech.pdf>
- Contact: 617-868-2111 x101

**Local
apprenticeship
options:**

None

National Career Readiness Certificate level:	Data not available
	The NCRC is being piloted on a limited basis and may not apply to all employment situations.

Certifications:	Required
	Phlebotomy certificate which is issued by training program client enrolls in.

Licenses:	None
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Explore More Options

Similar jobs:	<ul style="list-style-type: none">• Lab Assistant• Patient Service Technician (PST)• Medical Lab Assistant• Medical Laboratory Assistant• Clinical Laboratory Assistant
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Find local jobs and internships:	Visit the EmployRI job and internship search at https://www.employri.org/jobbanks/
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Find jobs throughout the US:	Visit the CareerOneStop job search at http://www.careeronestop.org/JobSearch/
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Additional Job Details

Tasks:	<ul style="list-style-type: none">• Match laboratory requisition forms to specimen tubes• Dispose of contaminated sharps, in accordance with applicable laws, standards, and policies• Draw blood from veins by vacuum tube, syringe, or butterfly venipuncture methods• Dispose of blood or other biohazard fluids or tissue, in accordance with applicable laws, standards, or policies• Draw blood from capillaries by dermal puncture, such as heel or finger stick method• Enter patient, specimen, insurance, or billing information into computer• Organize or clean blood-drawing trays, ensuring that all instruments are sterile and all needles, syringes, or related items are of first-time use• Collect fluid or tissue samples, using appropriate collection procedures• Collect specimens at specific time intervals for tests, such as those assessing therapeutic drug levels• Transport specimens or fluid samples from collection sites to laboratories
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Knowledge:

- **Customer and Personal Service** – Principles and processes for providing customer and personal services. Customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
 - **English Language** – Structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.
 - **Clerical** – 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
 - **Public Safety and Security** – Relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions
 - **Medicine** – Information and techniques needed to diagnose and treat human injuries, diseases, and deformities. Includes symptoms, treatment alternatives, drug properties and interactions, and preventive healthcare measures.
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Skills:

- **Active Listening** – Giving full attention to what other people are saying, taking time to understand the points being made, asking questions when appropriate
 - **Service Orientation** – Actively looking for ways to help people
 - **Social Perceptiveness** – Being aware of others' reactions and understanding why they react as they do
 - **Speaking** – Talking to others to convey information effectively
 - **Critical Thinking** – Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
 - **Reading Comprehension** – Understands written sentences and paragraphs in work related documents
 - **Writing** – Communicating effectively in writing as appropriate for the needs of the audience
 - **Coordination** – Adjusting actions in relation to others' actions
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Abilities:

- **Attention to Detail**
 - **Problem Sensitivity** – Recognizing there is a problem
 - **Arm-Hand Steadiness** – Ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position
 - **Deductive Reasoning** – Ability to apply general rules to specific problems to produce answers that make sense
 - **Oral Comprehension** – Ability to listen to and understand information and ideas presented through spoken words and sentences
 - **Oral Expression** – Ability to communicate information and ideas in speaking so others will understand
 - **Speech Clarity** – Ability to speak clearly so others can understand you
 - **Finger Dexterity** – Ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects
 - **Information Ordering** – 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
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**Tools and
Technology:**

- Anatomical human mannequins
 - Blood bank refrigerators
 - Blood collection needle
 - Capillary or hematocrit tubes
 - Non-vacuum blood collection tubes or containers
 - Phlebotomy trays or accessories volumetric pipettes
 - Medical software
 - Spreadsheet software
 - Word processing software
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Medical and Clinical Laboratory Technician



Job Overview

Sample job titles: Medical Laboratory Technician (MLT), Medical Laboratory Technician (Medical Lab Tech), Laboratory Assistant (Lab Assistant), Laboratory Technician, Phlebotomist, Clinical Laboratory Scientist, Laboratory Supervisor, Non-Registered Technician, Laboratory Associate (Lab Associate), Toxicology Laboratory Technician

Job summary: Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.

Job Outlook

RI median wage: \$28.50/hr **National median wage:** \$17.90

RI wages: \$24.53-\$36.93/hr **National wages:** \$11.91-\$27.74/hr

RI percent change in jobs through 2020: 14.7% **National percent change in jobs through 2020:** 30%

RI job openings: 12/year **National job openings:** 9,020/year

Is this a high-demand job? No, but stable

How to Prepare

Education: Associate's Degree

Local training programs:

Clinical Laboratory Technology

- Provider: Community College of Rhode Island
- Type of certificate/degree awarded: Associate in Applied Science, accredited 2-year program
- Address: Flanagan Campus, 1762 Louisquisset Pike, Lincoln, RI 02865-4585
- Website: <http://www.ccri.edu/alliedhealth/clinicallab/>
- Contact: 401-333-7252

Local apprenticeship options: None

National Career Readiness Certificate level: Gold
The NCRC is being piloted on a limited basis and may not apply to all employment situations.

Certifications: Upon completion of associate's degree in clinical laboratory technology from CCRI, graduates are eligible to sit for the national certification examination for CLT given by the ASCP Board of Certification.

Licenses: Upon completion of associate's degree in clinical laboratory from CCRI, graduates are eligible to become licensed in Rhode Island.

Explore More Options

- Similar jobs:**
- Lab Assistant
 - Patient Service Technician (PST)
 - Medical Lab Assistant
 - Medical Laboratory Assistant
 - Clinical Laboratory Assistant

Find local jobs and internships: Visit the EmployRI job and internship search at <https://www.employri.org/jobbanks/>

Find jobs throughout the US: Visit the CareerOneStop job search at <http://www.careeronestop.org/JobSearch/>

Additional Job Details

- Tasks:**
- Conduct chemical analyses of body fluids, such as blood or urine, using microscope or automatic analyzer to detect abnormalities or diseases and enter findings into computer
 - Conduct blood tests for transfusion purposes and perform blood counts
 - Examine cells stained with dye to locate abnormalities
 - Set up, maintain, calibrate, clean, and test sterility of medical laboratory equipment
 - Analyze the results of tests or experiments to ensure conformity to specifications, using special mechanical or electrical devices
 - Analyze and record test data to issue reports that use charts, graphs, or narratives
 - Consult with a pathologist to determine a final diagnosis when abnormal cells are found
 - Prepare standard volumetric solutions or reagents to be combined with samples, following standardized formulas or experimental procedures
 - Inoculate fertilized eggs, broths, or other bacteriological media with organisms
 - Collect blood or tissue samples from patients, observing principles of asepsis to obtain blood sample
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- Knowledge:**
- **Chemistry** — 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.
 - **Biology** — Knowledge of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment
 - **Medicine and Dentistry** — 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.
 - **Computers and Electronics** — Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming

- **Mechanical** — Knowledge of machines and tools, including their designs, uses, repair, and maintenance
 - **Customer and Personal Service** — 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.
 - **Mathematics** — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications
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Skills:

- **Active Listening** – Giving full attention to what other people are saying, taking time to understand the points being made, asking questions when appropriate
 - **Speaking** – Talking to others to convey information effectively
 - **Critical Thinking** – Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
 - **Reading Comprehension** – Understands written sentences and paragraphs in work related documents
 - **Writing** – Communicating effectively in writing as appropriate for the needs of the audience
 - **Science** – Using scientific rules and methods to solve problems
 - **Operation Monitoring** – Watching gauges, dials, or other indicators to make sure a machine is working properly
 - **Active Learning** – Understanding the implications of new information for both current and future problem-solving and decision-making
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Abilities:

- **Attention to Detail**
 - **Problem Sensitivity** – Recognizing there is a problem
 - **Arm-Hand Steadiness** – Ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position
 - **Deductive Reasoning** – Ability to apply general rules to specific problems to produce answers that make sense
 - **Oral Comprehension** – Ability to listen to and understand information and ideas presented through spoken words and sentences
 - **Oral Expression** – Ability to communicate information and ideas in speaking so others will understand
 - **Finger Dexterity** – Ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects
 - **Information Ordering** – 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
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Tools and Technology:

- Anaerobic jars or accessories
 - Chemistry analyzers
 - Coagulation analyzers
 - Hematology analyzers
 - Phlebotomy trays or accessories
 - Medical software
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- Electronic mail software
- Accounting software
- Spreadsheet software

Word processing software

Radiologic Technician



Job Overview

Sample job titles: Bone Density Technologist, Chief Technician, X-Ray Chief Technician, Lead Mammographer, Limited Radiology Technician, Mammographer, Radiographer, Radiology Technician, Registered Radiographer, X-Ray Tech

Job summary: Maintain and use equipment and supplies necessary to demonstrate portions of the human body on x-ray film or fluoroscopic screen for diagnostic purposes.

Job Outlook

RI median wage:	\$23.06/hr	National median wage:	\$21.35/hr
RI wages:	\$13.79-\$36.28/hr	National wages:	\$12.81-\$32.29/hr
RI percent change in jobs through 2020:	16%	National percent change in jobs through 2020:	27%
RI job openings:	35/year	National job openings:	6,960/year
Is this a high-demand job?	No, but stable		

How to Prepare

Education: Associate's Degree

Local training programs: Radiography

- Provider: Community College of Rhode Island
- Type of certificate/degree awarded: Associate's degree, accredited 24-month day program that includes six semesters of classroom instruction and clinical practice at the College and affiliated hospitals
- Address: Flanagan Campus, 1762 Louisquisset Pike, Lincoln, RI 02865-4585
- Website: <http://www.ccri.edu/alliedhealth/radiography/>
- Contact: 401-333-7252

Local apprenticeship options: None

National Career Readiness Certificate level: Silver

The NCRC is being piloted on a limited basis and may not apply to all employment situations.

Certifications: Upon completion of Associates Degree from CCRI, graduates are eligible to take the American Registry of Radiologic Technologies examination.

Radiographers are licensed in Rhode Island.

Licenses:

This information is from the list of Rhode Island Licensed Occupations at <http://www.dlt.ri.gov/lmi/jobseeker/license.htm>. Licensure requirements may vary by state.

Explore More Options

Similar jobs:

- Radiologic Technologists
- Respiratory Therapy Technicians
- Surgical Technicians

Find local jobs and internships:

Visit the EmployRI job and internship search at <https://www.employri.org/jobbanks/>

Find jobs throughout the US:

Visit the CareerOneStop job search at <http://www.careeronestop.org/JobSearch/>

Additional Job Details

Tasks:

- Positions x-ray equipment and adjust controls to set exposure factors, such as time and distance
- Use beam-restrictive devices and patient-shielding techniques to minimize radiation exposure to patient and staff
- Position patient on examining table and set up and adjust equipment to obtain optimum view of specific body area as requested by physician
- Process exposed radiographs using film processors or computer generated methods
- Explain procedures to patients to reduce anxieties and obtain cooperation
- Determine patients' x-ray needs by reading requests or instructions from physicians
- Prepare and set up x-ray room for patient
- Make exposures necessary for the requested procedures, rejecting and repeating work that does not meet established standards
- Operate digital picture archiving communications systems
- Transport patients to or from exam room

Knowledge:

- **Education and Training** — Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects
- **Medicine and Dentistry** — 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.
- **Computers and Electronics** — Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming
- **Public Safety and Security** — 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
- **Customer and Personal Service** — 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.

Skills:

- **Active Listening** – Giving full attention to what other people are saying, taking time to understand the points being made, asking questions when appropriate
 - **Speaking** – Talking to others to convey information effectively
 - **Critical Thinking** – Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
 - **Reading Comprehension** – Understands written sentences and paragraphs in work related documents
 - **Monitoring** – Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action
 - **Operation and Control** – Controlling operations of equipment or systems
 - **Operation Monitoring** – Watching gauges, dials, or other indicators to make sure a machine is working properly
 - **Social Perceptiveness** – Being aware of others' reactions and understanding why they react as they do
 - **Active Learning** – Understanding the implications of new information for both current and future problem-solving and decision-making
 - **Judgment and Decision Making** – Considering the relative costs and benefits of potential actions to choose the most appropriate one
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Abilities:

- **Attention to Detail**
 - **Problem Sensitivity** – Recognizing there is a problem
 - **Oral Comprehension** – Ability to listen to and understand information and ideas presented through spoken words and sentences
 - **Oral Expression** – Ability to communicate information and ideas in speaking so others will understand
 - **Near Vision** – Ability to see details at close range
 - **Written Comprehension** – Ability to read and understand information and ideas presented in writing
 - **Speech Clarity** – Ability to speak clearly so others can understand you
 - **Speech Recognition** – Ability to identify and understand the speech of others
 - **Control Precision** – Ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions
 - **Information Ordering** – 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
 - **Deductive Reasoning** – Ability to apply general rules to specific problems to produce answers that make sense
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Tools and Technology:

- Medical computed tomography CT or CAT scanners or tubes
 - Medical radiological positioning aids for general radiological use
 - Medical x-ray darkroom equipment or supplies
 - Medical x-ray intensifying screens
 - Radiographic locators
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- X-ray bone densitometers
 - Medical x-ray film archiving system software
 - Medical software
 - Database user interface and query software
 - Information retrieval or search software
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