

Provincial Isotope Sector Briefing Prince Edward Island



Executive Summary



Access to life-saving diagnostic scans

Access to nuclear medicine scans to help detect diseases such as cancer.



Research and Development

Usage of radioisotopes in research, teaching and clinical diagnostics at the University of Prince Edward Island.

Isotope Infrastructure



In 2017, Prince Edward Island (PEI) introduced a SPECT-CT camera and digital radiographic unit at the Queen Elizabeth Hospital. The Queen Elizabeth Hospital is the only hospital in PEI that offers nuclear medicine exams.

Workforce Development and Education



The University of PEI uses radioactive materials and sources of ionizing and non-ionizing radiation for research, teaching and clinical diagnostic purposes. The university holds two radioisotope licences issued by the Canadian Nuclear Safety Commission (CNSC) covering all use of radioactive materials and radiation-emitting devices on University premises.



Additionally, the Veterinary Teaching Hospital (VTH) at the Atlantic Veterinary College holds a separate CNSC licence for Veterinary Nuclear Medicine. The VTH regularly performs nuclear scintigraphy studies as well as routine imaging studies.

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Clinical Trials



PEI is a part of the Atlantic Clinical Trials Network (ACTN), which is a pan-Atlantic initiative working to strengthen and accelerate clinical research across Eastern Canada.

Commercialization Success



Innovation PEI focuses on accelerating economic development in PEI by investing in people, innovation, and infrastructure.



The BioAlliance is a private sector-led not-for-profit organization dedicated to building the bioscience industry in PEI. By working collaboratively with partners from industry, research, and government agencies, they have created an innovation ecosystem that excels in the commercialization of bio-based technologies for global markets.

References

[Atlantic provinces form clinical trials network - Horizon Health Network](#)

[Diagnostic Imaging Services | Government of Prince Edward Island](#)

[New diagnostic equipment delivers better, faster care at QEH | PNI Atlantic News](#)

[PEI BioAlliance – PEI BioScience Cluster – Prince Edward Island – Canada](#)

[Radiation Safety | University of Prince Edward Island](#)