Medical Imaging in Canada 2019-2020

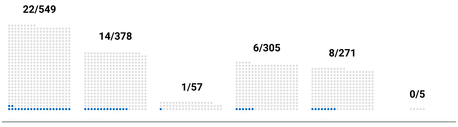
Summary of Manitoba

CADTH's Canadian Medical Imaging Inventory (CMII) collects data on medical imaging equipment across Canada. The national results are published in a **comprehensive report**, and this provincial summary consolidates the Manitoba data from that report. If you are a CADTH customer and require additional information on the technical characteristics of imaging equipment, please send a request to **cmii@cadth.ca.**

In Manitoba, there are 8 rural and remote sites and 9 urbans sites that offer advanced medical imaging services. Manitoba has 22 CT units, including one 512-slice CT unit at the Regional Health Centre in Brandon and two 256-slice CT units located at Grace Hospital and the Health Sciences Centre in Winnipeg. At least 10 sites across the province provide weekend access to CT and 3 sites offer 24 hour a day service. There are 14 MRI units in Manitoba, compared to the 8 that were available in 2010. Access to MRI on the weekend is provided by at least 6 facilities. Manitoba has one PET-CT unit, which is located at the Health Sciences Centre in Winnipeg. There are a total of 6 SPECT units and 8 SPECT-CT units available throughout Manitoba. Manitoba has one of the highest adoption rates of clinical decision support tools for CT images (93.3%) across all provinces and territories.

Machines in Total

Number of imaging units out of national total 2019-2020

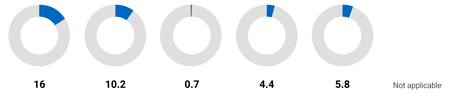


CT	MRI	PET-CT	SPECT	SPECT-CT	PET-MRI

Mobile Equipment

CT	MRI	PET-CT	SPECT	SPECT-CT	PET-MRI
					Not applicable

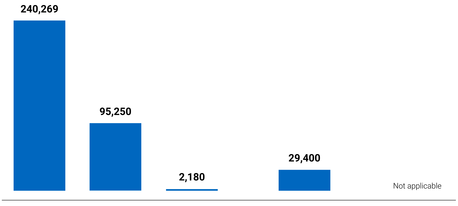
Units per Million Population Out of Canadian Total



CT	MRI	PET-CT	SPECT	SPECT-CT	PET-MRI
16	10.2	0.7	4.4	5.8	Not applicable

Exams per Year

Number of exams for each modality in Manitoba



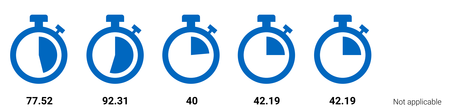
CT	MRI	PET-CT	SPECT & SPECT-CT	PET-MRI
				Not applicable

Exams per 1,000 People

CT	MRI	PET-CT	SPECT & SPECT-CT	PET-MRI
174.9	69.3	1.6	21.4	Not applicable

Hours of Operation

Average hours of operation per week



CT	MRI	PET-CT	SPECT	SPECT-CT	PET-MRI
77.52	92.31	40	42.19	42.19	Not applicable

Sites Operating 24 Hours a Day

CT	MRI	PET-CT	SPECT	SPECT-CT	PET-MRI
		Not reported	Not reported		Not applicable

Sites Operating on Weekends

CT	MRI	PET-CT	SPECT	SPECT-CT	PET-MRI
					Not applicable

Average Age of Units Across Canada (Years)

	CT	MRI	PET-CT	SPECT	SPECT-CT	PET-MRI
Average	8.1	8.6	8.2	13.2	6.6	5
Oldest	23	20	17	33	17	7
Newest	0	0	0	0	0	2

Data Limitations

Data were imputed for a limited number of missing values if no response was obtained. In particular, if the questions regarding the mobility of imaging equipment or weekend and 24-hour availability were left blank, the answer was assumed to be no. Technical information, including the age of machines, was incomplete for some sites. If the age of equipment was not available, it was excluded from the calculation of averages.

By preference, examination data supplied by the validators were reported. Not all sites reported examination data.

Additional details on the methodology used for the collection of this data are available in the 2019-2020 Canadian Medical Imaging Inventory report.

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