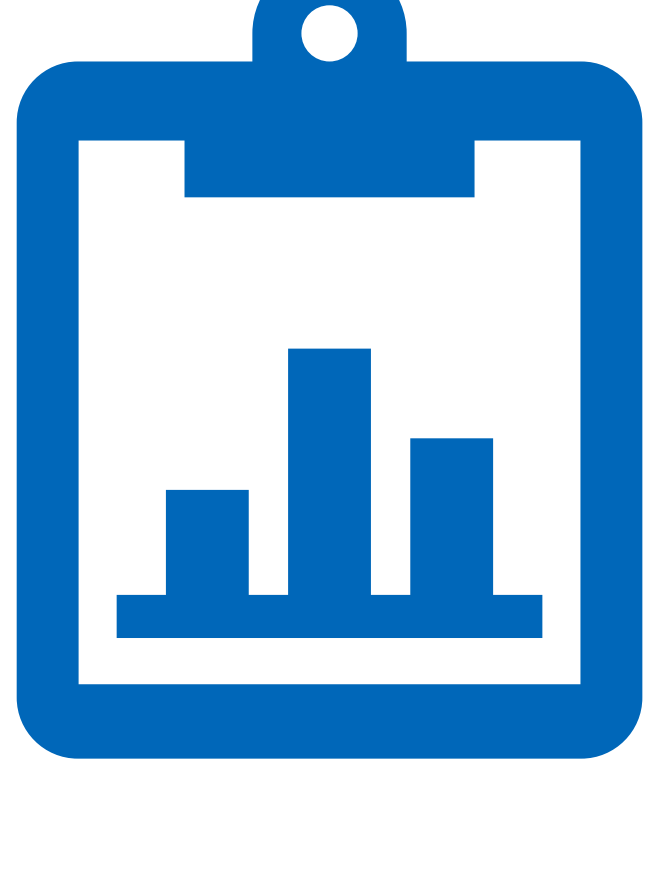


Summary of British Columbia

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 British Columbia 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.

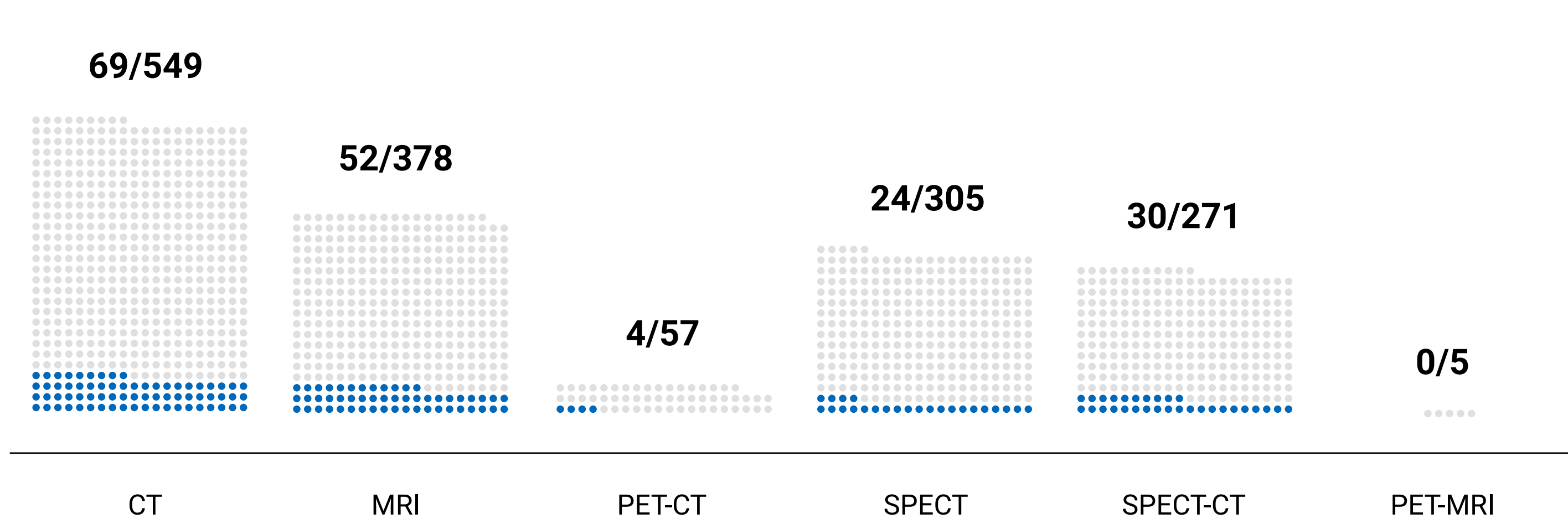


In British Columbia, there are 20 rural and remote sites and 49 urban sites that offer advanced medical imaging services. There are 69 CT units in British Columbia, including two 720-slice CT units located at the Lions Gate Hospital, which is the highest number of CT slices in Canada. At least 39 sites across the province provide weekend access to CT, including 18 sites that operate 24 hours a day. The province has 52 MRI units, including 1 open-bore MRI at the Royal Inland Hospital in Kamloops and 5 units with a field strength of 3.0 Tesla located at the British Columbia Children's Hospital in Vancouver, the Jim Pattison Outpatient Care and Surgery Centre located in Surrey, the Royal Jubilee Hospital in Victoria, the West Coast Medical Imaging in Saanich, and Priority MRI in Richmond (a private facility). Two MRI units are mobile and are shared between multiple facilities or communities. At least 23 sites with an MRI machine operate on the weekend, including 10 sites that provide 24 hour a day service. British Columbia has 4 PET-CT units: 2 in Vancouver, 1 in Victoria, and 1 in Burnaby (at a private facility). As well, there are 24 SPECT and 30 SPECT-CT units in service within the province. At least 3 sites reported operating SPECT and SPECT-CT machines on the weekend.

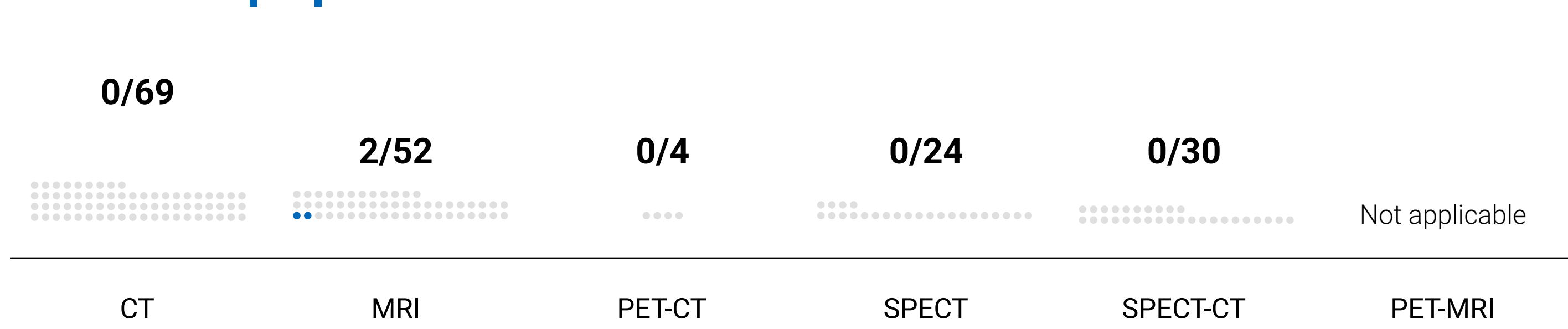
British Columbia is among one of the highest adopters of peer review programs, ranging from 50% to 100% use for CT, MRI, PET-CT, SPECT, and SPECT-CT. Use of clinical decision support tools and centralized booking was reported to be 100% for PET-CT exams. In British Columbia, the most common exam ordering practice is via fax and paper form, followed by automated entry form and centralized booking, which are increasingly used for MRI, PET-CT, SPECT, and SPECT-CT.

Machines in Total

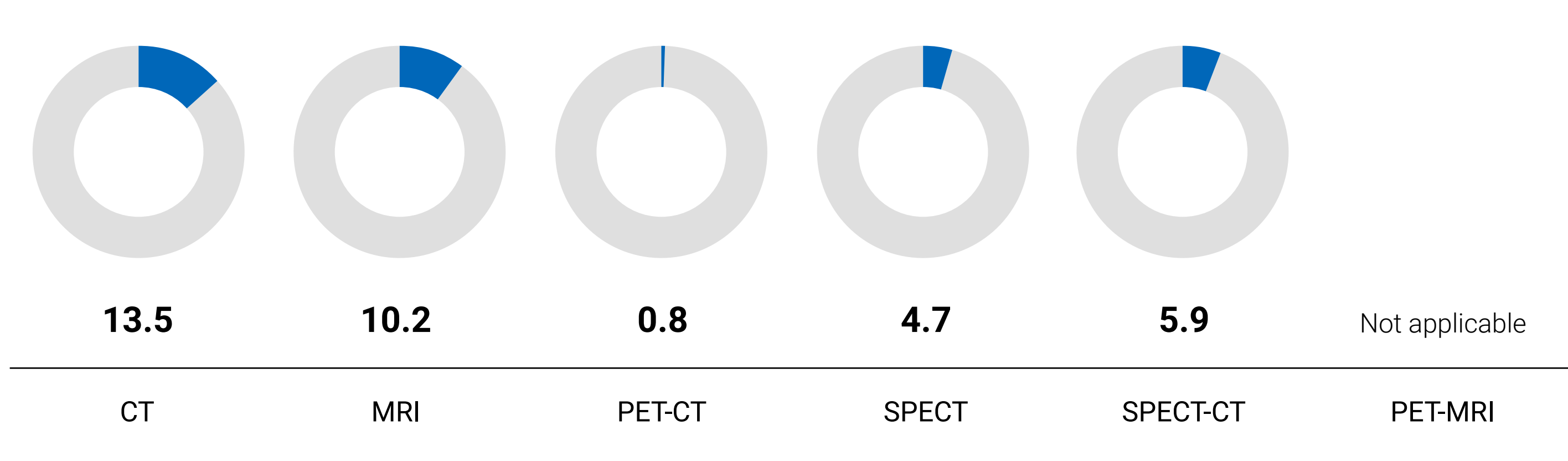
Number of imaging units out of national total 2019-2020



Mobile Equipment

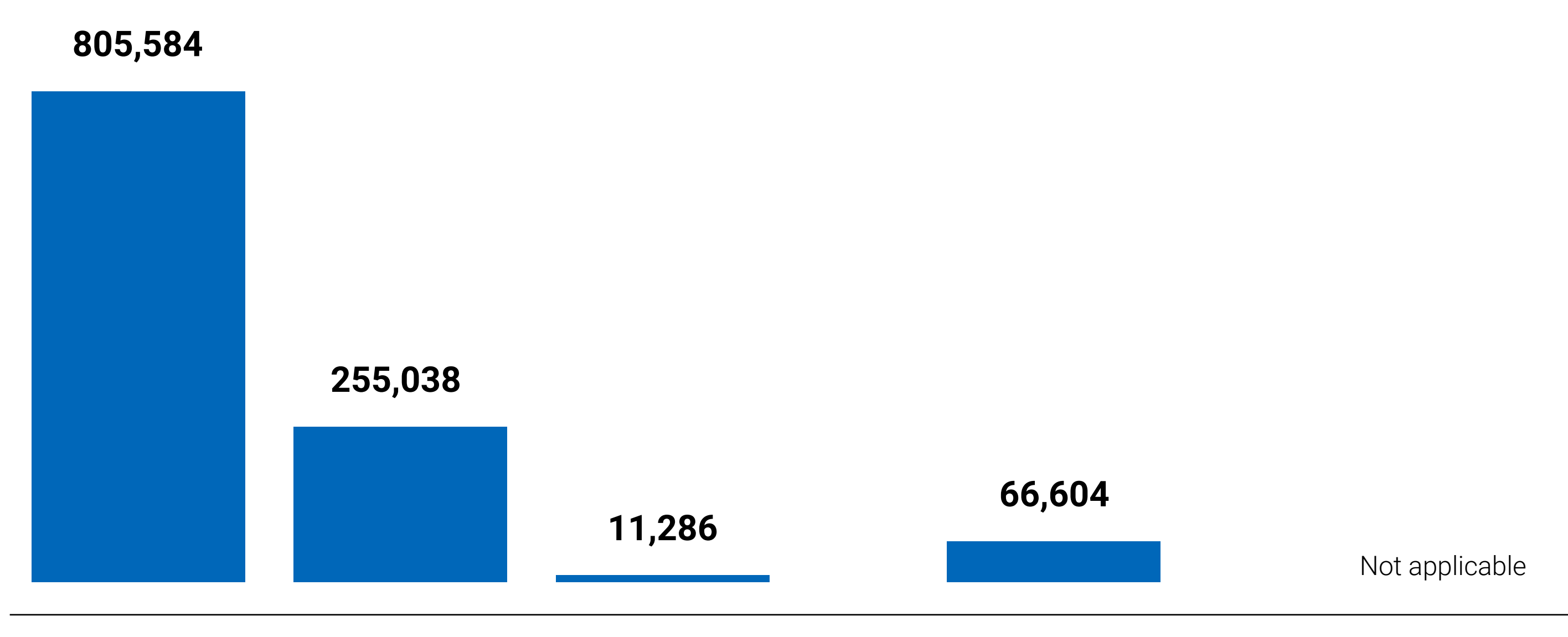


Units per Million Population Out of Canadian Total



Exams per Year

Number of exams for each modality in British Columbia

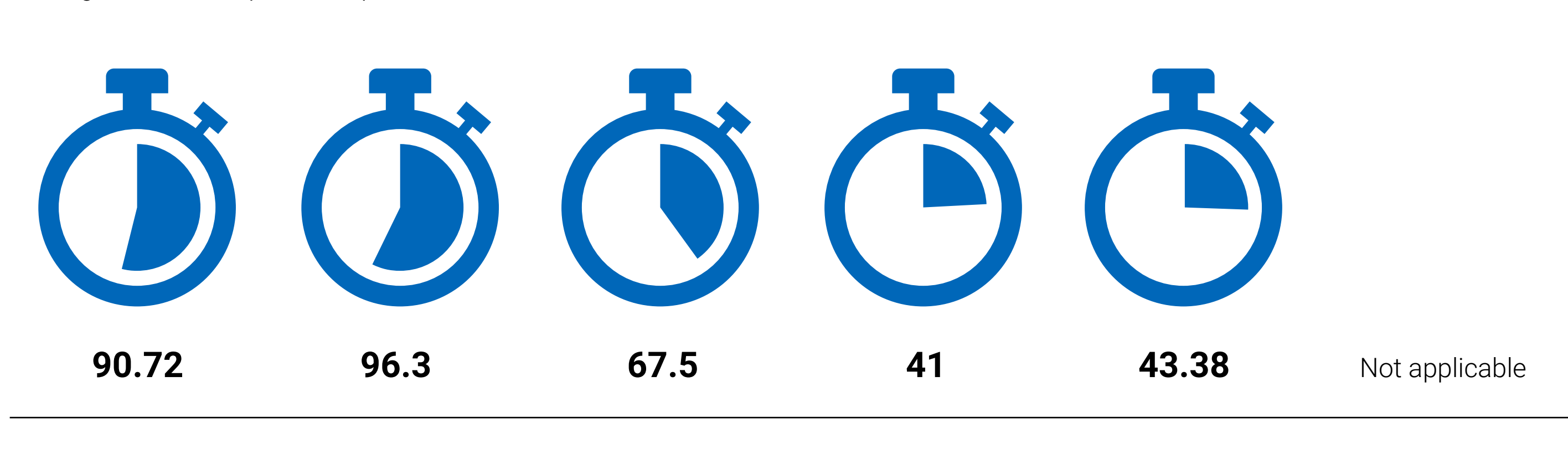


Exams per 1,000 People

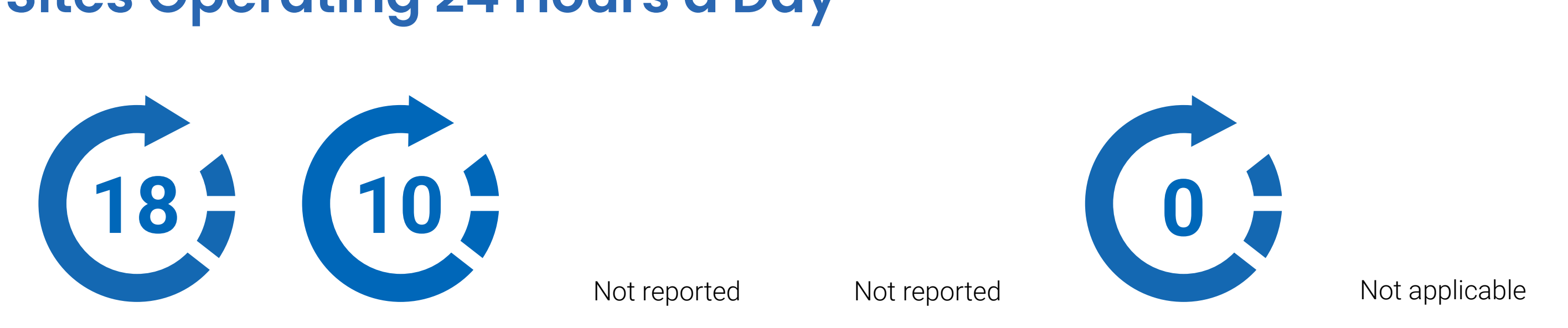


Hours of Operation

Average hours of operation per week



Sites Operating 24 Hours a Day



Sites Operating on Weekends



Average Age of Units Across Canada (Years)

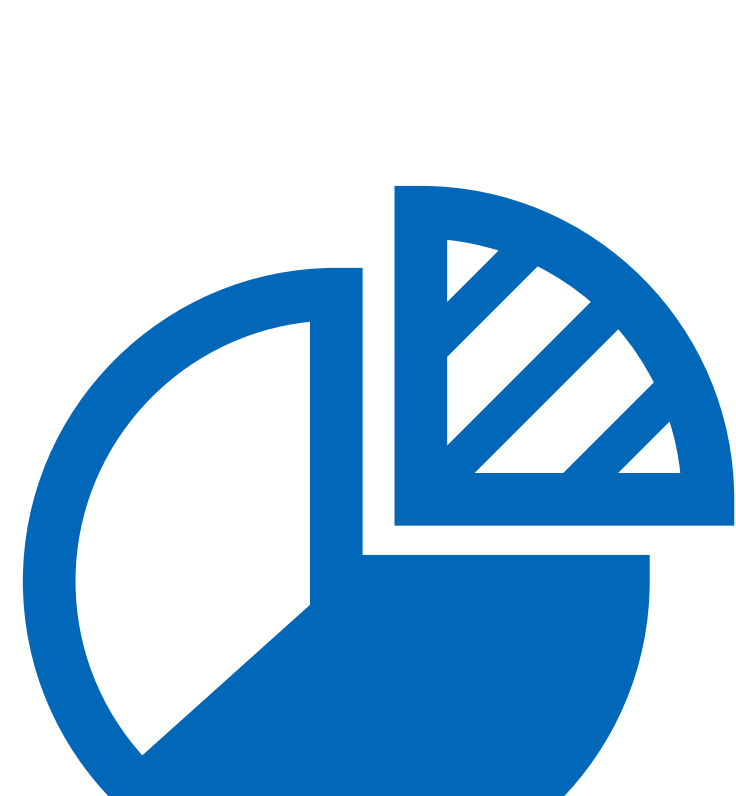
Category	CT	MRI	PET-CT	SPECT	SPECT-CT	PET-MRI
Average	8.1	8.6	8.2	13.2	6.6	5
Oldest	23	20	17	33	17	7
Newest	0	0	0	0	0	2

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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