Nine in ten Canadians support the Government of Canada making new investments to shorten the wait times for diagnostic imaging – One in two Canadians say wait times have worsened since start of the pandemic.

National Survey | Summary Conducted by Nanos for the Canadian Association of Radiologists, January 2022 Submission 2022-2065





Key Findings



SUPPORT FOR INVESTMENTS

Nine in ten Canadians support (57%) or somewhat support (33%) the Government of Canada making new investments to shorten the wait times for diagnostic imaging. Atlantic residents are more likely to say so (69% support, 29% somewhat support) compared to Quebec residents (46% support, 40% somewhat support)



LENGTH OF WAIT

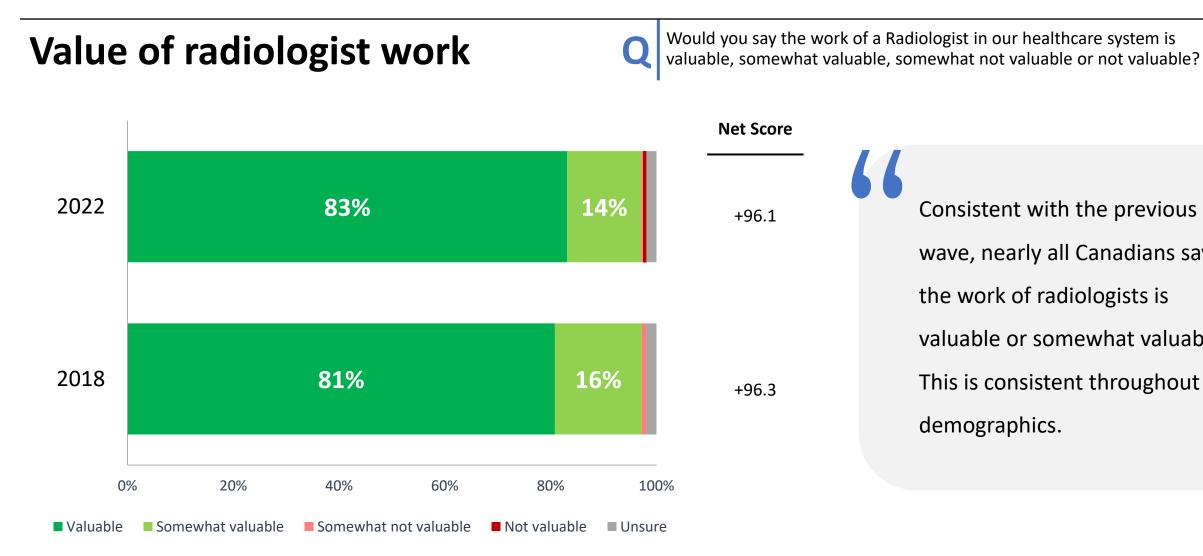
When asked how long the waiting period between when their physician requested a medical imaging test or procedure and the time they completed the test or procedure, Canadians who reported having received such healthcare or having a family member or close friend who received such health care stated the mean waiting period was 7 weeks. There was an increase in the median waiting time from 2 weeks in 2018 to 3 weeks in 2022.



STATE OF WAIT TIMES

Over one in two Canadians say wait times to access diagnostic imaging including X-rays, mammograms, CT scans, MRI scans, US scans, and PET scans have worsened (53%) since the pandemic started in 2020 while only less than one in twenty say they have improved (3%) and close to one in five say it has stayed the same (17%). Atlantic residents are more likely to say wait times have worsened (66%) compared to BC residents (49%).





Consistent with the previous wave, nearly all Canadians say the work of radiologists is valuable or somewhat valuable. This is consistent throughout all demographics.

*Weighted to the true population proportion.

*Charts may not add up to 100 due to rounding.

*The net score is the difference between all positive and negative numbers in a question.

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, January 21st to 23rd, 2022, n=1,049, accurate 3.0 percentage points plus or minus, 19 times out of 20.





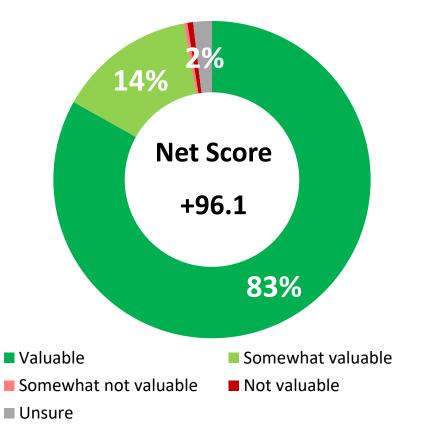
NANOS RESEARCH \odot

Value of radiologist work



Valuable/Somewhat valuable

Would you say the work of a Radiologist in our healthcare system is valuable, somewhat valuable, somewhat not valuable or not valuable?



Atlantic	Quebec	Ontario	Prairies	BC
(n=99)	(n=230)	(n=350)	(n=208)	(n=162)
96.6%	96.5%	97.6%	98.1%	95.7%
Men	Women	18 to 34	35 to 54	55 plus
(n=556)	(n=493)	(n=176)	(n=446)	(n=427)
95.8%	98.4%	97.6%	96.9%	

*Weighted to the true population proportion.

*Charts may not add up to 100 due to rounding.

*The net score is the difference between all positive and negative numbers in a question.

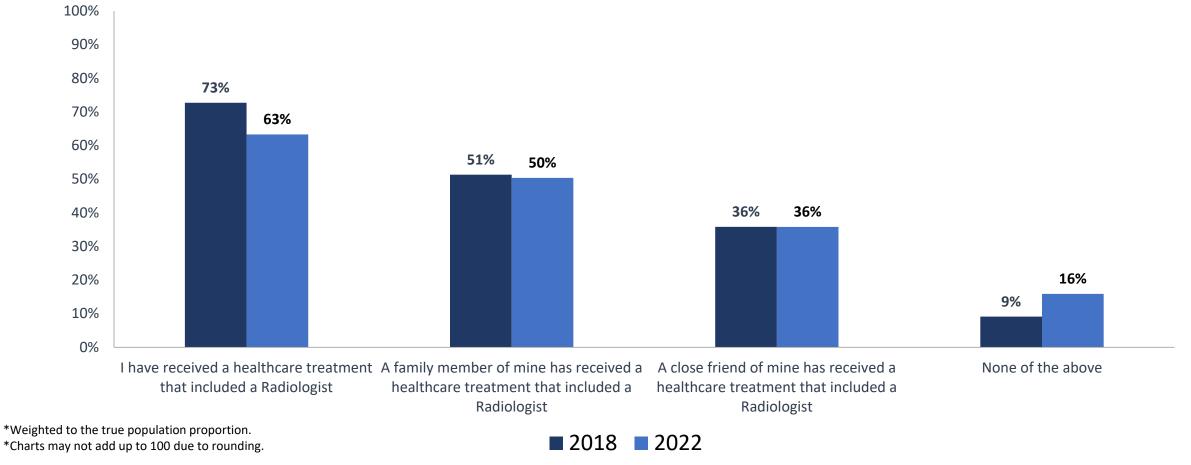
Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, January 21st to 23rd, 2022, n=1,049, accurate 3.0 percentage points plus or minus, 19 times out of 20.



Receiving healthcare treatment from a radiologist



Which of the following statements apply to you [select as many as apply]: [RANDOMIZE]



Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, January 21st to 23rd, 2022, n=1,049, accurate 3.0 percentage points plus or minus, 19 times out of 20.



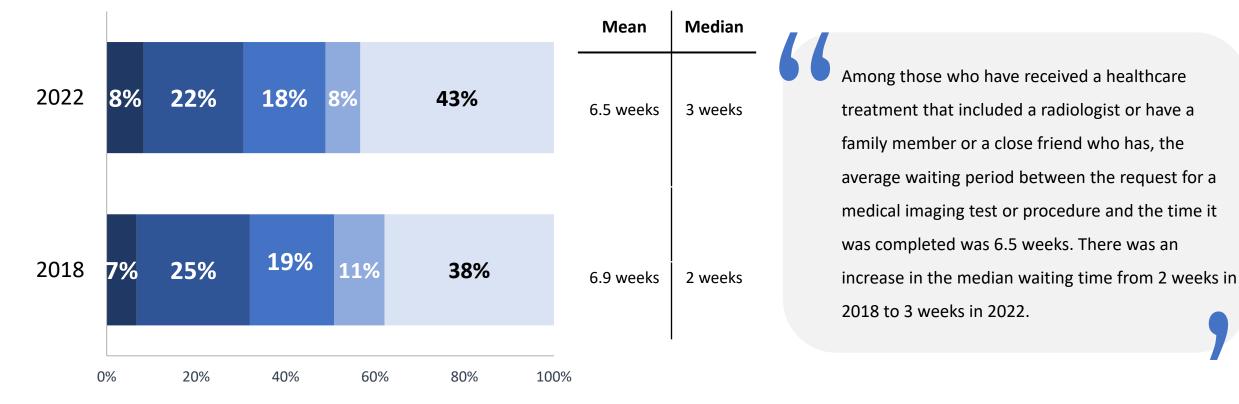


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Receiving healthcare treatment from a radiologist

[If answered one of the three first options in previous question] How long was the waiting period between when your physician requested a medical imaging test or procedure and the time you completed the test or procedure (when a radiologist interpreted your X-ray, mammogram, CT scan, MRI scan, US scan, PET scan, or performed your interventional procedure)? ______ weeks



 $\left(\right)$



*Weighted to the true population proportion.

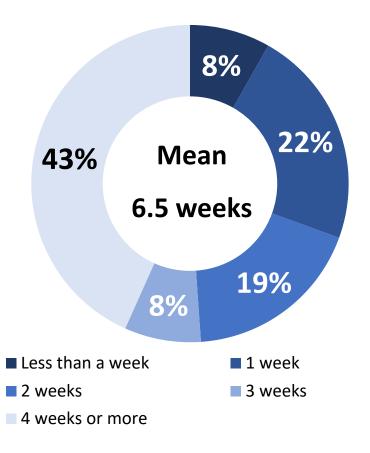
*Charts may not add up to 100 due to rounding.

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, January 21st to 23rd, 2022, n=883 Canadians who have received a healthcare treatment that included a radiologist or have a family member or a close friend who has, accurate 3.3 percentage points plus or minus, 19 times out of 20.

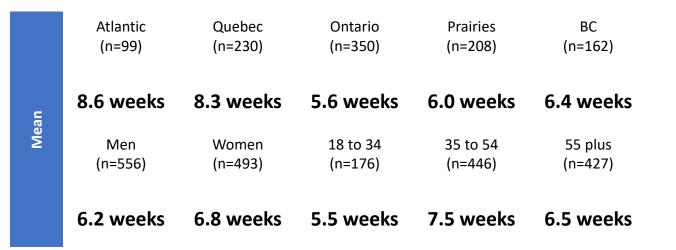




Receiving healthcare treatment from a radiologist



[If answered one of the three first options in previous question] How long was the waiting period between when your physician requested a medical imaging test or procedure and the time you completed the test or procedure (when a radiologist interpreted your X-ray, mammogram, CT scan, MRI scan, US scan, PET scan, or performed your interventional procedure)? _____ weeks



*Weighted to the true population proportion.

*Charts may not add up to 100 due to rounding.

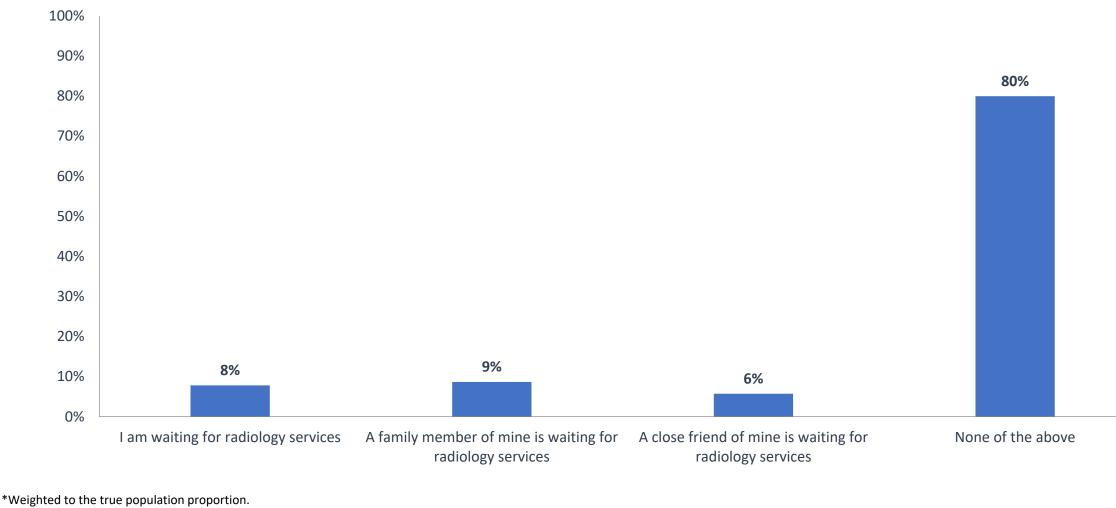
Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, January 21st to 23rd, 2022, n=883 Canadians who have received a healthcare treatment that included a radiologist or have a family member or a close friend who has, accurate 3.3 percentage points plus or minus, 19 times out of 20.



Waiting for radiology services



Are you or is someone you know waiting for radiology services? (select as many as apply):



*Charts may not add up to 100 due to rounding.

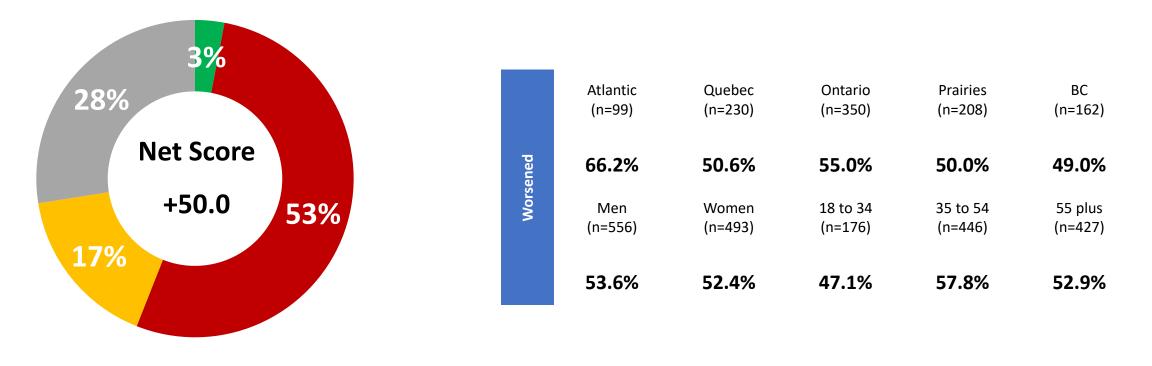
Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, January 21st to 23rd, 2022, n=1,049, accurate 3.0 percentage points plus or minus, 19 times out of 20.





State of wait times to access diagnostic imaging

Would you say that wait times to access diagnostic imaging including Xrays, mammograms, CT scans, MRI scans, US scans, and PET scans have improved, worsened or are the same since the pandemic started in 2020?



■ Improved ■ Worsened ■ Are the same ■ Unsure

*Weighted to the true population proportion.

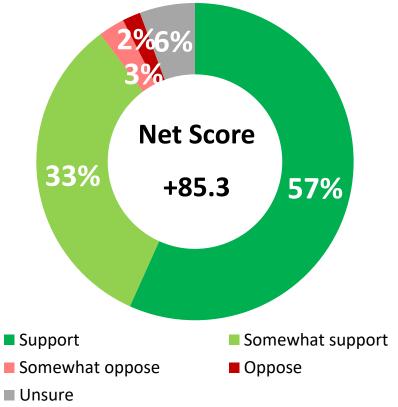
*Charts may not add up to 100 due to rounding.

*The net score is the difference between all positive and negative numbers in a question.

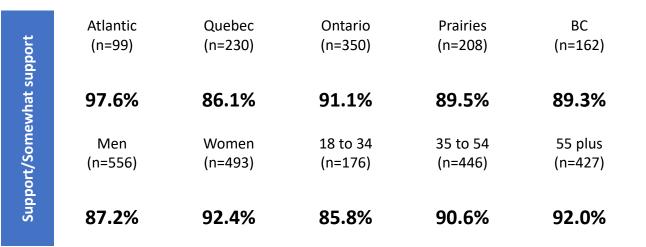
Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, January 21st to 23rd, 2022, n=1,049, accurate 3.0 percentage points plus or minus, 19 times out of 20.



Support for new investments to shorten the wait times for diagnostic imaging



Would you support, somewhat support, somewhat oppose or oppose the Government of Canada making new investments to shorten the wait times for diagnostic imaging including X-rays, mammogram, CT scans, MRI scans, US scans, and PET scans?



*Weighted to the true population proportion.

*Charts may not add up to 100 due to rounding.

*The net score is the difference between all positive and negative numbers in a question.

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, January 21st to 23rd, 2022, n=1,049, accurate 3.0 percentage points plus or minus, 19 times out of 20.



PATH FURWARD!

VALIDATE

TEST IDEAS

REVIEN RESEARCH)

Nanos conducted an RDD dual frame (land- and celllines) hybrid telephone and online random survey of 1,049 Canadians, 18 years of age or older, between January 21st and 23rd, 2022 as part of an omnibus survey. Participants were randomly recruited by telephone using live agents and administered a survey online. The sample included both land- and cell-lines across Canada. The results were statistically checked and weighted by age and gender using the latest Census information and the sample is geographically stratified to be representative of Canada.

Individuals randomly called using random digit dialing with a maximum of five call backs.

The margin of error for this survey is ± 3.0 percentage points, 19 times out of 20.

The research was commissioned by the Canadian Association of Radiologists and was conducted by Nanos Research.

Note: Charts may not add up to 100 due to rounding.

Element	Description	Element	Description
Research sponsor	The Canadian Association of Radiologists	Weighting of Data	The results were weighted by age and gender using the latest Census information (2016) and the sample is geographically stratified to ensure a distribution across all regions of Canada. See tables for full
Population and Final Sample Size	1,049 Randomly selected individuals.		weighting disclosure
Source of Sample	Nanos Panel	Screening	Screening ensured potential respondents did not work in the market research industry, in the advertising industry, in the media or a political party prior* to administering the survey to ensure the
Type of Sample	Probability		integrity of the data. *Confirm if applicable
Margin of Error	± 3.0 percentage points, 19 times out of 20.	Excluded Demographics	Individuals younger than 18 years old; individuals without land or cell lines, and individuals without internet access could not participate.
Mode of Survey	RDD dual frame (land- and cell-lines) hybrid telephone and online omnibus survey		
Sampling Method Base	The sample included both land- and cell-lines RDD (Random Digit Dialed) across Canada.	Stratification	By age and gender using the latest Census information (2016) and the sample is geographically stratified to be representative of Canada. Smaller areas such as Atlantic Canada were marginally oversampled to allow for a minimum regional sample.
Demographics (Captured)	Atlantic Canada, Quebec, Ontario, Prairies, British Columbia; Men and Women; 18 years and older. Six digit postal code was used to validate geography.	Estimated Response Rate	14 percent, consistent with industry norms.
Fieldwork/Validation	Individuals were recruited using live interviews with live supervision to validate work, the research questions were administered online	Question Order	Question order in the preceding report reflects the order in which they appeared in the original questionnaire.
Number of Calls	Maximum of five call backs to those recruited.	Question Content	Topics on the omnibus ahead of the survey content included: views on political issues, views on economic issues, mental health and social
Time of Calls	Individuals recruited were called between 12-5:30 pm and 6:30-9:30pm local time for the respondent.		programs.
Field Dates	January 21 st and 23 rd , 2022 .	Question Wording	The questions in the preceding report are written exactly as they were asked to individuals.
Language of Survey	The survey was conducted in both English and French.	Research/Data Collection Supplier	Nanos Research
Standards	Nanos Research is a member of the Canadian Research Insights Council (CRIC) and confirms that this research fully complies with all CRIC Standards including the CRIC Public Opinion Research Standards and Disclosure Requirements. <u>https://canadianresearchinsightscouncil.ca/standards/</u>	Contact	Contact Nanos Research for more information or with any concerns or questions. <u>http://www.nanos.co</u> Telephone:(613) 234-4666 ext. 237 Email: info@nanosresearch.com.



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manos dimap

This international joint venture between <u>dimap</u> and <u>Nanos</u> brings together top research and data experts from North American and Europe to deliver exceptional data intelligence to clients. The team offers data intelligence services ranging from demographic and sentiment microtargeting; consumer sentiment identification and decision conversion; and, data analytics and profiling for consumer persuasion. <u>www.nanosdimap.com</u>

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					Reg	gion			Ge	nder		Age	
			Canada 2022-01	Atlantic	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 34	35 to 54	55 plus
Question – Our next few questions are	Total	Unwgt N	1049	99	230	350	208	162	556	493	176	446	427
about healthcare. Would		Wgt N	1000	67	233	384	183	133	490	510	273	341	386
you say the work of a Radiologist in our	Valuable	%	83.1	86.3	73.3	85.9	83.5	90.2	80.9	85.2	75.7	84.1	87.5
healthcare system is valuable, somewhat valuable, somewhat	Somewhat valuable	%	14.0	10.2	23.3	11.6	14.6	5.6	14.9	13.2	21.9	12.8	9.4
not valuable or not valuable?	Somewhat not valuable	%	0.4	0.0	1.0	0.0	0.5	0.4	0.8	0.0	0.4	0.9	0.0
	Not valuable	%	0.6	0.0	0.8	0.5	0.0	1.4	0.7	0.5	0.5	0.6	0.6
	Unsure	%	1.9	3.4	1.6	1.9	1.4	2.5	2.7	1.1	1.6	1.6	2.4



					Reg	gion			Ge	nder		Age	
			Canada 2022-01	Atlantic	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 34	35 to 54	55 plus
Question: Which of the following	Total	Unwgt N	1049	99	230	350	208	162	556	493	176	446	427
statements apply to you [select as many		Wgt N	1000	67	233	384	183	133	490	510	273	341	386
as apply]: [RANDOMIZE]	I have received a healthcare treatment that included a Radiologist	%	63.3	64.3	53.5	63.8	70.1	69.1	60.7	65.8	55.9	61.8	69.8
	A family member of mine has received a healthcare treatment that included a Radiologist	%	50.4	45.1	38.7	53.0	54.4	60.2	49.6	51.0	57.8	51.2	44.4
	A close friend of mine has received a healthcare treatment that included a Radiologist	%	35.8	29.5	26.4	37.0	40.2	45.8	32.4	39.0	34.9	36.3	35.9
	None of the above	%	15.8	17.3	23.1	14.3	11.5	12.9	16.8	14.9	15.3	16.6	15.5



					Reg	gion			Ge	nder		Age	
		-	Canada 2022-01	Atlantic	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 34	35 to 54	55 plus
[If answered one of the three first	Total	Unwgt N	1049	99	230	350	208	162	556	493	176	446	427
options in previous question] Question:		Wgt N	1000	67	233	384	183	133	490	510	273	341	386
How long was the waiting period		Mean	6.5	8.6	8.3	5.6	6.0	6.4	6.2	6.8	5.5	7.5	6.5
between when your physician requested		Median	3.0	3.0	4.0	2.0	2.0	3.0	3.0	3.0	2.0	3.0	3.0
a medical imaging test or procedure	.0000	%	6.5	6.6	7.5	6.4	6.2	5.6	7.3	5.8	10.7	4.3	5.5
and the time you completed the test	.0001	%	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.1
or procedure (when a radiologist	.1000	%	0.1	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0
interpreted your X- ray, mammogram,	.2500	%	0.1	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.3	0.0
CT scan, MRI scan, US scan, PET scan, or performed your	.5000	%	0.2	0.0	0.0	0.2	0.0	0.5	0.2	0.1	0.0	0.3	0.2
interventional procedure)?	1.0000	%	18.7	17.8	12.8	21.8	20.4	18.7	18.2	19.3	19.1	20.3	17.1
weeks	1.5000	%	0.2	0.0	0.0	0.0	1.3	0.0	0.2	0.3	0.5	0.3	0.0
	2.0000	%	15.2	12.2	10.7	15.9	20.2	15.2	13.6	16.7	16.5	12.9	16.3
	3.0000	%	6.5	8.0	6.7	6.1	4.9	9.1	7.0	6.1	4.9	5.0	9.1
	4.0000	%	7.5	5.5	6.4	8.1	5.0	12.0	8.7	6.3	7.4	9.1	6.1
	5.0000	%	2.1	1.3	3.4	1.8	2.5	0.4	2.4	1.7	3.8	1.4	1.5
	6.0000	%	5.6	7.2	6.1	4.0	8.5	4.9	5.9	5.4	4.5	5.3	6.7
	8.0000	%	4.9	6.5	5.7	5.9	2.9	2.8	4.6	5.2	5.8	4.4	4.8
	9.0000	%	0.6	0.0	0.0	1.2	0.4	0.4	0.9	0.3	0.7	0.9	0.2
	10.0000 11.0000	%	1.8 0.2	3.2 0.0	1.9 0.4	1.4 0.3	1.5 0.0	2.4 0.0	1.0 0.0	2.6 0.4	0.0 0.0	2.3 0.2	2.7 0.3
	12.0000	%	3.8	3.3	3.9	3.8	2.9	4.7	2.7	4.7	2.9	3.9	4.3
	14.0000	%	0.6	0.0	0.6	0.7	0.7	0.0	0.4	0.7	0.0	0.3	1.2
	15.0000	%	0.5	0.0	0.0	0.7	0.2	1.0	0.7	0.3	1.2	0.0	0.3
	16.0000	%	1.3	0.8	1.2	1.2	1.8	1.6	1.5	1.1	0.0	2.4	1.3
	18.0000	%	0.3	0.0	0.3	0.5	0.0	0.0	0.3	0.2	0.0	0.7	0.0
	20.0000	%	0.8	0.6	0.0	1.0	1.8	0.4	1.2	0.4	1.3	1.2	0.1
	24.0000	%	1.0	0.0	0.5	0.5	1.9	2.3	1.0	1.0	0.5	1.4	1.0
	25.0000	%	0.7	0.0	1.8	0.5	0.5	0.0	0.8	0.6	0.0	0.5	1.3
	26.0000	%	0.5	0.0	0.0	0.2	0.8	2.1	0.3	0.7	0.5	1.1	0.0
	28.0000 30.0000	%	0.1 1.3	0.0 1.5	0.0 1.8	0.2 1.5	0.0 0.4	0.4 0.5	0.3 0.8	0.0 1.6	0.0 0.4	0.4 1.1	0.0 2.0
	32.0000	%	0.3	0.0	0.4	0.6	0.0	0.0	0.2	0.4	1.2	0.0	0.0
	_												

Nanos conducted an RDD dual frame (land- and cell- lines) hybrid telephone and online random survey of 1,049 Canadians, 18 years of age or older, between January 21st and 23rd, 2021. The margin of error for this survey is ±3.0 percentage points, 19 times out of 20.

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				Reg	ion			Ge	nder		Age	
		Canada 2022-01	Atlantic	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 34	35 to 54	55 plus
34.0000	%	0.2	2.4	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0
36.0000	%	0.4	2.5	0.4	0.0	0.5	0.5	0.4	0.5	0.0	0.8	0.4
40.0000	%	0.2	0.0	0.4	0.0	0.6	0.0	0.0	0.4	0.0	0.2	0.3
45.0000	%	0.1	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0
47.0000	%	0.1	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.2	0.0
50.0000	%	0.2	0.0	0.0	0.0	0.9	0.0	0.3	0.0	0.6	0.0	0.0
52.0000	%	1.0	2.2	2.1	0.3	0.3	1.2	0.6	1.3	0.4	1.3	1.0
60.0000	%	0.2	0.0	0.7	0.0	0.0	0.0	0.1	0.2	0.0	0.5	0.0
70.0000	%	0.1	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.2	0.0
76.0000	%	0.1	1.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
78.0000	%	0.2	0.0	0.5	0.2	0.0	0.0	0.2	0.2	0.4	0.0	0.2
80.0000	%	0.1	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.3	0.0
No answer	%	16.1	17.3	23.1	14.5	12.2	12.9	17.1	15.1	15.3	16.8	15.9



		-			Reg	gion			Ge	nder		Age	
			Canada 2022-01	Atlantic	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 34	35 to 54	55 plus
[If answered one of the three first	Total	Unwgt N	1049	99	230	350	208	162	556	493	176	446	427
options in previous question] Question:		Wgt N	1000	67	233	384	183	133	490	510	273	341	386
How long was the waiting period	Less than one week	%	6.9	6.6	7.9	6.9	6.4	6.1	7.9	5.9	11.1	4.8	5.8
between when your physician requested	One week	%	18.7	17.8	12.8	21.8	20.4	18.7	18.2	19.3	19.1	20.3	17.1
a medical imaging test or procedure	Two weeks	%	15.4	12.2	10.7	15.9	21.6	15.2	13.8	17.0	17.0	13.1	16.3
and the time you completed the test or procedure (when	Three weeks	%	6.5	8.0	6.7	6.1	4.9	9.1	7.0	6.1	4.9	5.0	9.1
a radiologist interpreted your X-	Four or more weeks	%	36.4	38.2	38.8	34.8	34.5	38.1	36.1	36.6	32.7	40.0	35.8
ray, mammogram, CT scan, MRI scan,	No answer	%	16.1	17.3	23.1	14.5	12.2	12.9	17.1	15.1	15.3	16.8	15.9
US scan, PET scan, or performed your interventional procedure)? weeks													

		_			Reg	gion			Ge	nder		Age	
			Canada 2022-01	Atlantic	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 34	35 to 54	55 plus
Question – Are you or is someone you	Total	Unwgt N	1049	99	230	350	208	162	556	493	176	446	427
now waiting for adiology services?		Wgt N	1000	67	233	384	183	133	490	510	273	341	386
select as many as apply)	I am waiting for radiology services	%	7.8	9.5	10.1	6.9	2.9	12.1	5.1	10.4	3.9	8.8	9.6
	A family member of mine is waiting for radiology services	%	8.7	4.9	7.6	9.3	10.2	8.4	7.2	10.1	7.3	11.8	6.9
	A close friend of mine is waiting for radiology services	%	5.7	2.4	7.6	6.4	5.4	2.4	5.3	6.1	5.0	6.3	5.7
	None of the above	%	80.0	83.2	78.2	79.6	82.0	79.8	83.8	76.3	84.5	75.7	80.



		_			Reg	gion			Ge	nder		Age	
		_	Canada 2022-01	Atlantic	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 34	35 to 54	55 plus
Question – Would you say that wait times to access	Total	Unwgt N	1049	99	230	350	208	162	556	493	176	446	427
diagnostic imaging including X-rays,		Wgt N	1000	67	233	384	183	133	490	510	273	341	386
mammograms, CT scans, MRI scans, US scans, and PET scans	Improved	%	3.0	2.2	3.9	1.9	3.0	4.9	2.9	3.1	3.4	2.1	3.4
have improved, worsened or are the same since the	Worsened	%	53.0	66.2	50.6	55.0	50.0	49.0	53.6	52.4	47.1	57.8	52.9
pandemic started in 2020?	Are the same	%	16.5	12.5	16.6	16.0	19.9	15.2	15.4	17.6	9.1	16.8	21.5
	Unsure	%	27.5	19.1	28.8	27.1	27.1	31.0	28.0	26.9	40.4	23.2	22.1

		_			Reg	gion			Ge	nder		Age	
			Canada 2022-01	Atlantic	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 34	35 to 54	55 plus
uestion – Would ou support,	Total	Unwgt N	1049	99	230	350	208	162	556	493	176	446	427
omewhat support, omewhat oppose or ppose the		Wgt N	1000	67	233	384	183	133	490	510	273	341	386
overnment of anada making new	Support	%	56.7	68.5	45.9	60.7	51.3	65.9	54.7	58.7	52.2	58.4	58.
nvestments to horten the wait mes for diagnostic	Somewhat support	%	33.1	29.1	40.3	30.4	38.2	23.4	32.5	33.7	33.6	32.3	33.
naging including X- ys, mammogram,	Somewhat oppose	%	2.7	0.0	4.3	2.5	2.7	1.5	4.1	1.3	3.1	2.5	2.5
Γ scans, MRI scans, S scans, and PET ans?	Oppose	%	1.8	0.0	2.7	1.6	1.9	2.1	2.4	1.3	1.7	1.7	2.
	Unsure	%	5.6	2.4	6.8	4.8	5.9	7.1	6.4	4.9	9.3	5.2	3.