Consumer confidence negative but continues to gradually improve

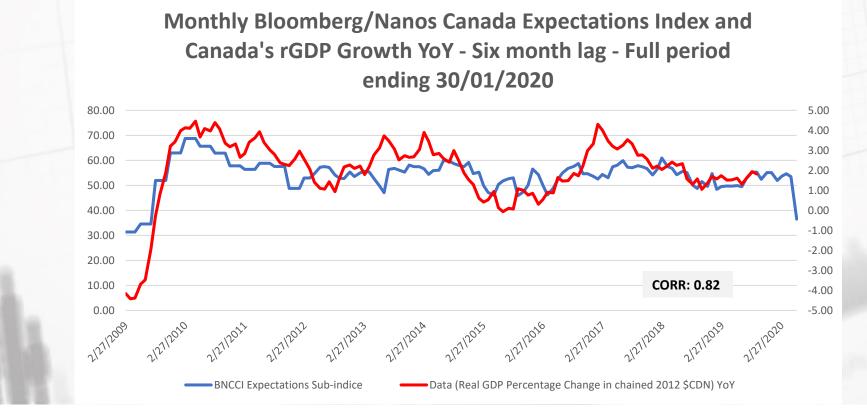
Weekly Bloomberg Nanos Canadian Confidence Index, Released December 23, 2022 Project 2013-284



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Bloomberg-Nanos is a must have weekly pulse of consumer confidence in Canada. For over a decade of tracking, the Bloomberg-Nanos Expectations Sub-indice has been a consistent leading indicator of GDP. The data has been cited in the Bank of Canada Monetary Policy Report.





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SUMMARY

The overall consumer mood as measured by the Bloomberg Nanos Canadian Confidence Index remains net negative with a score under 50 on the 100 point diffusion scale but has been incrementally improving over the past four weeks.

Nik Nanos Chief Data Scientist The BNCCI, a composite of a weekly measure of financial health and economic expectations, registered at 45.30 compared with 44.02 four weeks ago. The twelve-month high stands at 59.88.

The Bloomberg Nanos
Pocketbook Index is
based on survey
responses to questions
on personal finances
and job security. This
sub-indice was at 54.41
this week compared to
53.79 four weeks ago.
The Bloomberg Nanos

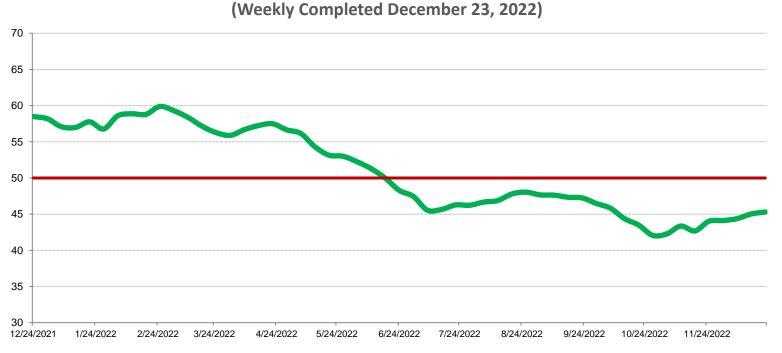
Expectations Index, based on surveys for the outlook for the economy and real estate prices, was at 36.19 this week compared to 34.24 four weeks ago.

The average for the BNCCI since 2008 has been 56.02 with a low of 37.08 in April 2020 and a high of 66.42 in July 2021. The index has averaged 50.62 this year.

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ONE YEAR TREND LINE Bloomberg Nanos Canadian Confidence Index



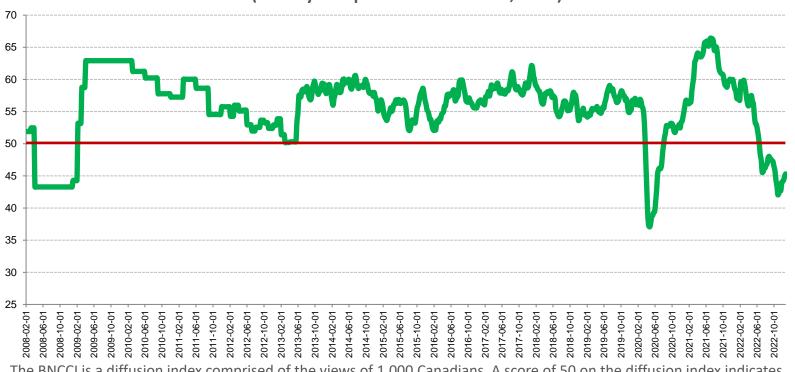
The BNCCI is a diffusion index comprised of the views of 1,000 Canadians. A score of 50 on the diffusion index indicates that positive and negative views are a wash while scores above or below 50 suggest net positive or net negative views in terms of the economic mood of Canadians. The data is based on perceptions related to personal finances, job security, economic strength, and real estate value.

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LONGER TERM TREND LINE

Bloomberg Nanos Canadian Confidence Index (Weekly Completed December 23, 2022)



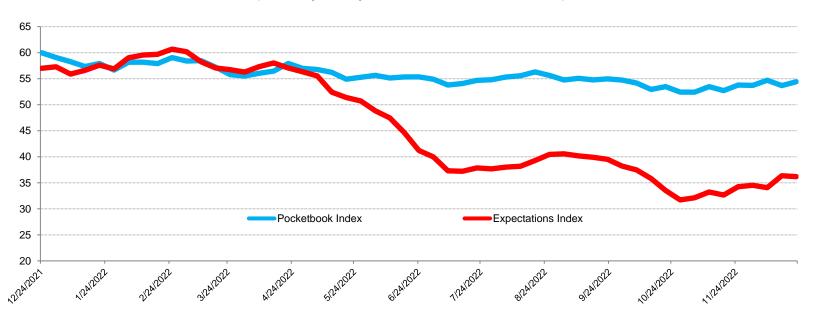
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ONE YEAR TREND

Bloomberg Nanos Canadian Pocketbook and Expectations Indices
(Weekly Completed December 23, 2022)

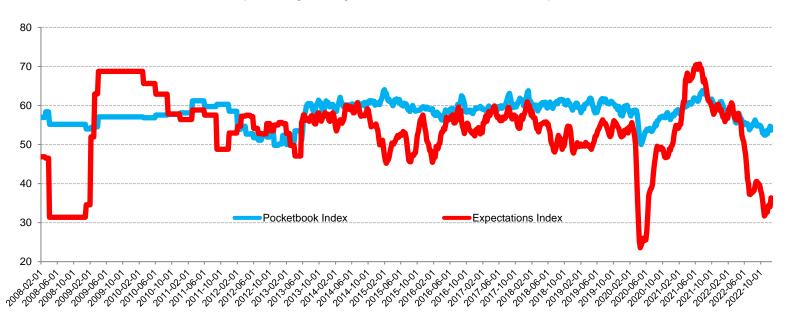


The BNCCI Pocketbook and Expectations Sub-Indices are comprised of the views of 1,000 Canadians. A score of 50 on the diffusion index indicates that positive and negative views are a wash while scores above or below 50 suggest net positive or net negative views in terms of the economic mood of Canadians. The data for the Pocketbook Index is based on perceptions related to personal finances and job security, and the data for the Expectations Index is based on perceptions related to economic strength and real estate value.

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LONGER TERM TREND Bloomberg Nanos Canadian Pocketbook and Expectations Indices (Weekly Completed December 23, 2022)



The BNCCI Pocketbook and Expectations Sub-Indices are comprised of the views of 1,000 Canadians. A score of 50 on the diffusion index indicates that positive and negative views are a wash while scores above or below 50 suggest net positive or net negative views in terms of the economic mood of Canadians. The data for the Pocketbook Index is based on perceptions related to personal finances and job security, and the data for the Expectations Index is based on perceptions related to economic strength and real estate value.

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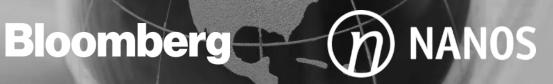
Bloomberg Nanos Canadian Consumer Confidence Index Data Summary for December 23, 2022

	BNCCI	
This week	45.30	
Last week	45.02	
2022 high	59.88	Feb 25
2022 low	42.07	July 8
2022 average	50.62	
2008 average	49.21	Worst full year
2010 average	59.13	Best full year
April 24, 2020	37.08	Record low
July 2, 2021	66.42	Record high
Overall index average	56.02	

Individual Measures:

De althus mathemas	Ti. ! ! .	1 1 1 -	4	Average	Average
Positive ratings	This week	Last week	4 weeks ago	2022	2008-2022
Personal finances	14.67	14.36	15.69	16.36	18.40
Canadian economy	12.30	12.50	9.52	16.80	21.22
Job security	67.55	63.67	63.92	65.49	66.54
Real estate	22.22	23.34	22.76	41.72	39.95
Full Ratings	Better off	Worse off	No change	Don't know	
Personal finances	14.67	44.60	38.53	2.20	
	Stronger	Weaker	No change	Don't know	
Canadian Economy	12.30	54.38	27.42	5.89	
		Somewhat	Somewhat		
	Secure	secure	not secure	Not secure	Don't know
Job security	49.73	17.82	2.81	6.93	22.71
	Increase	Stay the same	Decrease	Don't know	
Real estate	22.22	38.68	35.37	3.73	

CANADA INDEX Your weekly look at Canada's Economic Mood



Bloomberg Nanos Canadian Consumer Confidence Index Data Summary for December 23, 2022

		This Week	Last Week	4 Weeks Ago	3 Months Ago	1 Year Ago	12 Month High	12 Month Low	12 Month Average
Canada									
	Economic Mood	45.30	45.02	44.02	47.33	58.49	59.88	42.07	50.92
	Pocketbook Index	54.41	53.68	53.79	54.76	59.99	59.99	52.41	55.68
	Expectations Index	36.19	36.35	34.24	39.91	56.99	60.69	31.71	46.15
Economic	Mood by Demographic								
Region									
J	Atlantic	46.64	46.55	43.17	44.63	58.40	59.89	35.47	50.40
	Quebec	47.60	46.55	47.02	51.29	61.22	62.17	45.48	54.24
	Ontario	43.45	45.26	41.44	44.74	58.50	61.88	40.86	49.77
	Prairies	44.22	42.75	44.28	48.01	52.93	55.18	36.82	48.28
	British Columbia	45.73	44.00	44.41	46.89	61.37	63.29	42.87	51.64
Age	18 to 29	48.77	49.22	50.05	51.13	60.37	64.37	45.86	55.22
	30 to 39	46.79	47.13	46.19	49.31	60.61	62.62	41.11	52.81
	40 to 49	45.74	44.89	42.30	46.77	57.81	62.69	40.38	51.08
	50 to 59	43.70	43.65	41.68	47.43	58.39	59.14	39.68	48.97
	60 plus	42.64	41.67	41.09	43.63	56.34	60.92	39.06	47.84
Income									
	\$0 to \$14,999	44.71	42.50	49.02	40.63	44.36	57.75	35.32	47.83
	\$15,000 to \$29,999	43.18	43.85	44.76	45.31	52.49	56.16	40.13	48.84
	\$30,000 to \$44,999	44.44	46.60	47.14	50.06	54.86	57.12	39.02	50.45
	\$45,000 to \$59,999	44.45	44.38	44.74	48.05	59.13	62.74	41.27	50.69
	\$60,000 to \$74,999	43.77	42.13	40.12	45.91	61.85	62.96	38.86	50.09
	\$75,000 or more	46.86	45.91	43.54	49.84	63.27	64.23	41.83	53.15
Home									
	Own	44.75	47.31	41.18	45.75	58.49	60.33	40.54	49.75
	Rent	46.58	47.31	49.60	49.29	58.59	60.44	46.28	53.34







About the Bloomberg Nanos Canadian Confidence Index

The Bloomberg Nanos Canadian Confidence Index (BNCCI) is a weekly measurement of the economic mood of Canadians on the strength of the economy, job security, real estate in their neighbourhood, and their personal financial situation. It is a composite of those variables and has two sub indices: a Bloomberg Nanos Expectations Sub-index on forward views; and, Bloomberg Nanos Pocketbook Index on their personal economic situation. The longitudinal data on the index begins in 2008 and is a significant data source for decision-makers.

For more information, visit <u>www.bloomberg.com/news/canada</u> or <u>www.nanos.co</u>

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NANOS DATA PORTALS



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	Subscribers	Non-subscribers
Weekly Issue Tracking Canada (2015 to present)	✓	
Weekly Canadian Consumer Confidence Tracking (2008 to present)	✓	
Weekly National Ballot Tracking Canada (2014 to present)	\checkmark	
Weekly Undecided Tracking (new) (2014 to present)	✓	
Weekly Preferred PM Tracking Canada (2014 to present)	\checkmark	√ (topline data only)
Weekly Party Power Index Tracking Canada (2014 to present)	✓	✓ (topline data only)
Weekly Consider Voting for Liberal Party of Canada (new) (2014 to present)	\checkmark	
Weekly Consider Voting for the Conservative Party of Canada (new) (2014 to present)	✓	
Weekly Consider Voting for the NDP of Canada (new) (2014 to present)	\checkmark	
Weekly Consider Voting for the Green Party of Canada (new) (2014 to present)	✓	
Weekly Consider Voting for the Bloc Québécois (new) (2014 to present)	\checkmark	
Weekly Consider Voting for the People's Party of Canada (new) (2014 to present)	✓	
2015 Canadian Nightly Federal Election Tracking (detailed data)	\checkmark	√ (topline data only)
CTV-Globe-Nanos 2019 Canadian Nightly Federal Election Tracking (detailed data)	✓	✓ (topline data only)
Canada-US Relations Annual Tracking (2005 to present)	\checkmark	
The Nanos Annual Public Policy Map (2015 to present)	✓	
The Mood of Canada Annual Tracking Survey (2007 to present)	✓	

METHODOLOGY





O NANOS RESEARCH

METHODOLOGY



The BNCCI is produced by the Nanos Research Corporation, headquartered in Canada, which operates in Canada and the United States. The data is based on random interviews with 1,000 Canadian consumers (recruited by RDD land- and cell-line sample), using a four-week rolling average of 250 respondents each week, 18 years of age and over. The random sample of 1,000 respondents may be weighted using the latest census information for Canada. The interviews are compiled into a four -week rolling average of 1,000 interviews where each week, the oldest group of 250 interviews is dropped and a new group of 250 interviews is added. The views of 1,000 respondents are compiled into a diffusion index from 0 to 100. A score of 50 on the diffusion index indicates that positive and negative views are a wash while scores above 50 suggest net positive views, while those below 50 suggest net negative views in terms of the economic mood of Canadians.

A random survey of 1,000 respondents in Canada is accurate 3.1 percentage points, plus or minus, 19 times out of 20. This report is based on the four waves of tracking ending December 23, 2022. Due to the Covid-19 outbreak and ESOMAR standards between April 3 and July 24, 2020 Nanos used its probability online panel. Data collection returned to telephone as of the week ending July 31, 2020. The data collection returned to the Nanos probability panel as of the week ending January 1, 2021 due to the lockdown imposed by the provincial health authorities. Data collection returned to telephone between the weeks ending March 19th and April 9th, 2021. As a result of the latest provincial lockdown the tracking returned to Nanos probability online panel between the weeks ending December 236, and June 11, 2021. The tracking returned to telephone as of the week ending June 18, 2021.

The following questions are used for the index calculations:

- Thinking of your personal finances, are you better off, worse off, or has there been no change over the past year? (Overall Confidence Index and Pocketbook Sub-Index)
- Would you describe your job, at this time, as secure, somewhat secure, somewhat not secure, or not at all secure? (Overall Confidence Index and Pocketbook Sub-Index)
- In the next six months, do you think the Canadian economy will become stronger, weaker, or will there be no change? (Overall Confidence Index and Expectations Sub-Index)
- In the next six months, do you believe that the value of real estate in your neighbourhood will increase, stay the same or decrease? (Overall Confidence Index and Expectations Sub-Index)

ABOUT THE PARTNERS



Bloomberg

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Nanos is one of North America's most trusted research and strategy organizations. Our team of professionals is regularly called upon by senior executives to deliver superior intelligence and market advantage whether it be helping to chart a path forward, managing a reputation or brand risk or understanding the trends that drive success. Services range from traditional telephone surveys, through to elite in-depth interviews, online research and focus groups. Nanos clients range from Fortune 500 companies through to leading advocacy groups interested in understanding and shaping the public landscape. Whether it is understanding your brand or reputation, customer needs and satisfaction, engaging employees or testing new ads or products, Nanos provides insight you can trust.

TECHNICAL NOTE



Element	Description	Element	Description					
Research sponsor	Nanos Research		The results were weighted by age and gender using the latest Census information (2016) and the sample is geographically					
Population and Final Sample Size	1,000 Randomly selected individuals, four week rolling average of 250 interviews a week.	Weighting of Data	stratified to ensure a distribution across all regions of Canada. See tables for full weighting disclosure.					
Margin of Error	±3.1 percentage points, 19 times out of 20.	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					
Mode of Survey	Recruited by RDD dual frame (land- and cell-lines) telephone survey.		ensure the integrity of the data.					
	The sample included both land- and cell-lines RDD	Excluded Demographics	Individuals younger than 18 years old; individuals without land or cell line or internet could not participate.					
Sampling Method Base	(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.	Stratification						
	Six-digit postal code was used to validate geography.	Estimated Response Rate	Six percent, consistent with industry norms.					
Demographics (Other)	Age, gender, education, income	nesponse nate	Question order in the preceding report reflects the order in					
Fieldwork/Validation	Live interviews with live supervision to validate work.	Question Order	which they appeared in the original questionnaire (party options were randomized in their introduction)					
Number of Calls	Maximum of five call backs.		This was module two of an omnibus survey. Respondents were asked for their opinions the state of their personal finances, the					
Time of Calls	Local time 5:00-9:00 pm, on weekends 12:00- 6:00 pm	Question Content	Canadian economy, their perception of their job security and sixmonth views of real estate in their neighbourhood.					
Field Dates	Four-week period December 23, 2022	Question Wording	The questions in the appended tabulations 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. https://canadianresearchinsightscouncil.ca/standards/	Contact	Contact Nanos Research for more information or with any concerns or questions. http://www.nanos.co Telephone:(613) 234-4666 ext. 237 Email: info@nanosresearch.com.					

Bloomberg – Tracking ending December 23rd, 2022 – STAT SHEET

					Res	gion			Ge	nder			Age		
			Canada			-					18	30	40	50	
			2022-					British			to	to	to	to	60
			12-23	Atlantic	Quebec	Ontario	Prairies	Columbia	Male	Female	29	39	49	59	plus
Question -	Total	Unwgt N	1104	111	267	337	229	160	638	466	353	231	171	156	193
Thinking of		Wgt N	1000	100	248	300	200	152	485	515	197	163	187	189	265
your personal	Better off	%	14.7												
finances, are you better off,	Worse off	%	44.6												
worse off or	There has been	%	38.5		Cb.a	برامه معانيه		Jamas Data D	ما هم امعد			aa /data			
has there been	no change	70	38.3		Subs	cribers only	- visit the i	Nanos Data Po	ortai at n	ııps://wwv	v.nanos.	co/uata	portai		
no change over	Unsure	%	2.2												
the past year?	011341 C	70	2.2												
					Reg	gion			Ge	nder			Age		
			Canada 2022-					British			18 to	30 to	40 to	50 to	60
			12-23	Atlantic	Quebec	Ontario	Prairies	Columbia	Male	Female	29	39	49	59	plus
Question -	Total	Unwgt N	1104	111	267	337	229	160	638	466	353	231	171	156	193
Thinking of the		Wgt N	1000	100	248	300	200	152	485	515	197	163	187	189	265
upcoming year do	Strongor	•		100	240	300	200	132	403	313	137	103	107	103	203
you think the	Stronger	%	12.3												
Canadian	Weaker	%	54.4												
economy will become stronger,	There will be no change	%	27.4		Subs	cribers only	- visit the I	Nanos Data Po	ortal at h	ttps://wwv	v.nanos.	co/data	portal/		
weaker or will	Don't know	%	5.9												
there be no	DOM CKNOW	70	5.5												
change															
					Reg	gion			Ge	nder			Age		
			Canada								18	30	40	50	
			2022-					British			to	to	to	to	60
			12-23	Atlantic	Quebec	Ontario	Prairies	Columbia	Male	Female	29	39	49	59	plus
Question - Would you	Total	Unwgt N	1104	111	267	337	229	160	638	466	353	231	171	156	193
describe your		Wgt N	1000	100	248	300	200	152	485	515	197	163	187	189	265
job, at this	Secure	%	49.7												
time, as secure,	Somewhat	%	17.8												
somewhat															
	secure														
secure,	Somewhat not	%	2.8												
secure, somewhat not	Somewhat not secure				el	auibar '	iais st	James B-t- S	utal -t '			aa /d-4	maut-1/		
secure, somewhat not secure or not at	Somewhat not secure Not at all	%	2.8 6.9		Subs	cribers only	- visit the I	Nanos Data Po	ortal at h	ttps://wwv	v.nanos.	co/data	portal/		
secure, somewhat not secure or not at	Somewhat not secure Not at all secure	%	6.9		Subs	cribers only	- visit the I	Nanos Data Po	ortal at h	ttps://wwv	v.nanos.	co/data	portal/		
secure, somewhat not secure or not at	Somewhat not secure Not at all				Subs	cribers only	- visit the I	Nanos Data Po	ortal at h	ttps://wwv	v.nanos.	co/data	portal/		
secure, somewhat not secure or not at	Somewhat not secure Not at all secure	%	6.9			cribers only	- visit the I	Nanos Data Po		ttps://wwv	v.nanos.	co/data	portal/ Age		
secure, somewhat not secure or not at	Somewhat not secure Not at all secure	%	6.9				- visit the I	Nanos Data Po			v.nanos.	co/data		50	
secure, somewhat not secure or not at	Somewhat not secure Not at all secure	%	6.9 22.7				- visit the I	Nanos Data Po					Age	50 to	60
secure, somewhat not secure or not at	Somewhat not secure Not at all secure Unsure	%	6.9 22.7 Canada	Atlantic			- visit the I				18	30	Age 40		60 plus
secure, somewhat not secure or not at all secure? Question - In the	Somewhat not secure Not at all secure	%	6.9 22.7 Canada 2022-	Atlantic 111	Reş	gion		British	Ge	nder	18 to	30 to	Age 40 to	to	
secure, somewhat not secure or not at all secure? Question - In the next six months,	Somewhat not secure Not at all secure Unsure	%	Canada 2022-12-23		Reş Quebec	gion Ontario	Prairies	British Columbia	Ge	nder Female	18 to 29	30 to 39	Age 40 to 49	to 59	plus 193
secure, somewhat not secure or not at all secure? Question - In the next six months, do you believe	Somewhat not secure Not at all secure Unsure	% % Unwgt N	Canada 2022- 12-23 1104	111	Reg Quebec 267	gion Ontario 337	Prairies 229	British Columbia 160	Ge Male 638	nder Female 466	18 to 29 353	30 to 39 231	Age 40 to 49	to 59 156	plus
Secure, Somewhat not Secure or not at all secure? Question - In the next six months, do you believe that the value of	Somewhat not secure Not at all secure Unsure Total Increase	% Unwgt N Wgt N %	Canada 2022- 12-23 1104 1000 22.2	111	Reg Quebec 267	gion Ontario 337	Prairies 229	British Columbia 160	Ge Male 638	nder Female 466	18 to 29 353	30 to 39 231	Age 40 to 49	to 59 156	plus 193
Question - In the next six months, do you believe that the value of real estate in your	Somewhat not secure Not at all secure Unsure Total	% Unwgt N Wgt N	Canada 2022- 12-23 1104 1000	111	Reg Quebec 267	gion Ontario 337	Prairies 229	British Columbia 160	Ge Male 638	nder Female 466	18 to 29 353	30 to 39 231	Age 40 to 49	to 59 156	plus 193
Question - In the next six months, do you believe that the value of real estate in your neighborhood will	Somewhat not secure Not at all secure Unsure Total Increase Stay the	% Unwgt N Wgt N %	Canada 2022- 12-23 1104 1000 22.2 38.7	111	Reg Quebec 267 248	gion Ontario 337 300	Prairies 229 200	British Columbia 160	Ge Male 638 485	rider Female 466 515	18 to 29 353 197	30 to 39 231 163	Age 40 to 49 171 187	to 59 156	plus 193
Secure, Somewhat not Secure or not at all secure? Question - In the next six months, do you believe that the value of real estate in your neighborhood will increase, stay the same or decrease?	Somewhat not secure Not at all secure Unsure Total Increase Stay the same	% Unwgt N Wgt N %	Canada 2022- 12-23 1104 1000 22.2	111	Reg Quebec 267 248	gion Ontario 337 300	Prairies 229 200	British Columbia 160 152	Ge Male 638 485	rider Female 466 515	18 to 29 353 197	30 to 39 231 163	Age 40 to 49 171 187	to 59 156	plus 193