



COVID-19 Study Ontario - Wave 2

April 22, 2020 - For Immediate Release



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EXECUTIVE SUMMARY

April 22, 2020, Toronto

- Incidence of COVID-19 symptoms in Ontario households is now characteristic of one in seven (15%), down from one in five (19%) one week ago.
- The key symptoms of COVID-19: fever, cough and shortness of breath, are characteristic of just 1-in-20 households (5%) compared to more one week ago (8%).
- One in twenty households now has a member who's been tested for COVID-19 (5%), up from one in fifty last week (2%).
- Of these tests, one fifth returned positive (17%). This is just more than one half of one percent of the population (0.7%).
- More than one third of Ontarians report an underlying condition which might aggravate a COVID-19 infection (32%). Of these, the most common is asthma (22% of those reporting a condition).
- About one fifth report being extremely or very emotionally stressed (18%).
- About one fifth report being somewhat or very pessimistic about the future (18%).
- In order to avoid "social desirability bias", or the impulse to give a socially acceptable answer, researchers often ask how "people in the neighbourhood" behave, as a proxy for respondent behaviour.



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- The wide majority of household members say those in their neighbourhood are observing social distance (85%) and staying at home (91%), and this draws almost universal approval.

DETAILED FINDINGS

INCIDENCE OF HAVING ONE OR MORE SYMPTOMS CONSISTENT WITH COVID-19 HAS DECLINED SINCE LAST WEEK

In the second wave of interviewing for a new poll conducted jointly by Forum Research and Mainstreet Research among 4260 randomly selected Ontario households on April 19, about one in seven reported at least one of seven listed symptoms of COVID-19 (15%). This represents a decline from last week (April 11/12 - 19%). The symptoms listed were a new fever (2% this week, 3% last week), cough (4% this week and last), headaches (7%, down from 10%), sore throat (5% now and then), diarrhea (4% now, 5% last week), loss of taste or smell (2% both weeks), or shortness of breath (2% this week, 3% last week).

INCIDENCE OF KEY SYMPTOMS (FEVER, COUGH, SHORTNESS OF BREATH) HAS ALSO DECLINED IN ONE WEEK

Three of the seven listed symptoms are seen as key indicators; fever, cough, and shortness of breath. Together, incidence of having one or more of these three symptoms in the household is one in twenty (5%), and this is about half the rate noted last week (8%).

INCIDENCE OF HAVING BEEN TESTED FOR COVID-19 HAS MORE THAN DOUBLED IN ONTARIO

One in twenty households have had a member tested for COVID-19 by the end of last week (5%). This number closely matches the reported actual penetration of testing in Ontario as of April 12 (4%). This represents a cumulative increase in incidence from 2% having been tested by the end of last week (2% actual penetration). Among those reporting any symptoms, 1-in-10 have been tested (9%), while among those with the three key symptoms, close to one fifth have had a test (17%), and these numbers are up from 5% and 10%, respectively. Of those tested, more than one fifth (23%) are still awaiting results, up from one seventh last week (15%).

...OF THOSE, FEWER THAN ONE FIFTH HAVE TESTED POSITIVE THIS WEEK

Among the very small group of households that report having been tested for COVID-19, just less than a fifth report a positive test (17%), and this is stable since last week (15%). This may be more common in single person households, in those with less formal education and among the lowest income households (caution: small sample sizes). Among the total population, just more than one half of one percent have been tested (0.7%). Among those with any symptoms, close to half have received a positive result (45%), up from one third last week (32%), while among those with the three key symptoms, slightly more have a positive result (49%, up from 39%).

ONE THIRD HAVE A HEALTH CONDITION WHICH MIGHT AGGRAVATE COVID-19 AND THIS IS STABLE SINCE LAST WEEK

More than one third of Ontarians report an underlying health condition which might aggravate a COVID-19 infection (32%, relatively stable from 37% last week), and this is most likely to be asthma (22% among those reporting a condition) followed by diabetes (21%) a lung condition (16%) or a heart condition (16%).

ONE FIFTH STILL REPORT BEING "EXTREMELY/VERY STRESSED" EMOTIONALLY

One fifth of Ontario households say their level of emotional stress is "extremely/very stressed" (18%, compared to 20% last week).

ONE FIFTH CONTINUE TO REPORT BEING "SOMEWHAT/VERY PESSIMISTIC" ABOUT THE FUTURE

One fifth of Ontarians say they are "somewhat/very pessimistic" about the future (18%, compared to 22% last week).

AVOIDING "SOCIAL DESIRABILITY BIAS"

In order to avoid "social desirability bias", or the impulse to give a socially acceptable answer, researchers often ask how "people in the neighbourhood" behave, as a proxy for respondent behaviour.

WIDE MAJORITY CONTINUE OBSERVING SOCIAL DISTANCING AND STAYING HOME

The very wide majority of Ontario households are observing social distancing (85% reported of neighbours, compared to 86% last week) and are staying home (91% this week and last).

ALMOST ALL STILL APPROVE OF SOCIAL DISTANCING AND STAYING HOME

Virtually *all* Ontarians approve of social distancing (96% this week, 97% last week) and staying home (94% this week, 95% last week).

"Compared to last week this wave of polling shows a decrease in the proportion of households reporting symptoms of COVID-19. At the same time, symptomatic households are reporting testing at twice last week's rate, consistent with Ontario's recent expansion of COVID-19 testing. These findings are encouraging, although it is too early to conclude that the symptomatic curve is being flattened. There continues to be much room for expansion of COVID-19 testing among community-dwelling people with symptoms in Ontario" said Dr. Lauren Lapointe-Shaw of the findings of this survey. Dr. Lapointe-Shaw is supporting this project by sharing her clinical and research expertise to ensure results are directly relevant to public health administrators and other policymakers.

BACKGROUND

This poll represents the second Ontario wave of an unprecedented collaboration between two of Canada's leading market research and public opinion polling firms, Forum Research and Mainstreet Research. These two firms have come together to demonstrate proof-of-concept of a nationwide COVID-19 symptoms screening poll, conducted by telephone, using Interactive Voice Response (IVR) technology, as an effective method of measuring prevalence and location of people with symptoms of COVID-19 infection, and identifying clusters, or potential "hot spots" before they become too advanced to manage.

"Symptom surveillance will provide a better understanding of the scale and evolution of COVID-19 in Canada. This is because symptoms start 1-2 weeks before test results, and at present many people with symptoms cannot access testing," said Dr Lauren Lapointe-Shaw, when asked about the efficacy of this methodology.

There are key advantages to this methodology:

- Based on a random probability sample
- Projectable to the general population
- Extremely robust sample sizes
- Conducted in real time
- Regular tracking, ongoing reporting, dashboard presentation
- SMS text messaging included in sampling scheme
- Interactive functionality allows targeted messaging
- Eliminates self-selection bias
- Limits social desirability bias
- Cost effective

Our methodology captures an extremely robust probability sample, from which statistically valid projections can be made, while the freshness of the data, which can be gathered nightly and reported on a dashboard the next day, ensures key decisions can be made based on real time data. SMS text messaging is included in the data collection protocol. Other benefits include interactive functionality missing in web-based applications, and the elimination of any self-selection bias



This methodology has already been pilot-tested in two municipalities in Canada, the City of Brampton and the Regional Municipality of Wood Buffalo (Fort MacMurray), on very large samples, on March 30.

PARTICIPANTS IN THE STUDY

With offices across Canada and around the world, 100% Canadian-owned Forum Research is one of the country's leading survey research firms, having been the only poll to correctly call a Liberal majority in 2015. Forum Research is a member of the American Association for Public Opinion Research (AAPOR) and the Canadian Research and Insights Council (CRIC).

Differentiated by its large sample sizes, Mainstreet Research provides accurate snapshots of public opinion, predicting the majority NDP government in Alberta, the 2018 Ontario election and a CAQ majority win in the 2018 Quebec election. Mainstreet Research is a member of the World Association for Public Opinion Research (WAPOR) and the Market Research Intelligence Association (MRIA) and meets international and Canadian publication standards.

Lauren Lapointe-Shaw, MD, PhD, is an Assistant Professor and Clinician Scientist in the Department of Medicine at the University of Toronto, and a Staff General Internal Medicine Physician at the University Health Network. She was previously awarded a CIHR Fellowship Award and CIHR-IHSPR's Rising Star Award for her doctoral thesis in Clinical Epidemiology and Healthcare Research. Her research is broadly focused on measuring the quality of healthcare and the effects of health policy on patient outcomes.

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METHODOLOGY

THIS POLL

Polling across Ontario was conducted by Mainstreet Research, on April 19, among a randomly selected sample of 4260 Ontario residents. Respondents were interviewed by landline and cell phone. Data was tabulated by Forum Research. Polling was conducted by Interactive Voice Response (Smart IVR) and has a margin of error of plus or minus 1.5%, nineteen out of twenty times asking. Sample is segmented by 14 Local Health Integrated Networks (LHINs) at approximately 300 interviews each. Margin of error on individual LHIN samples is plus or minus 5.7%, nineteen out of twenty times asking.

Where appropriate, data have been weighted to ensure that data matches the actual population profile according to the latest Statistics Canada data. Totals may not add up to 100% due to rounding.



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Q1. Have you, or has anyone in your household had a fever, that is, a temperature above 38 degrees Celsius or about 100 degrees Fahrenheit, in the past week?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	1.7	0.0	1.3	2.6	1.8	2.1	0.8	1.6
No	98.3	100.0	98.7	97.4	98.2	97.9	99.2	98.4

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	1.7	1.5	2.2	2.3	0.6	1.1	2.3
No	98.3	98.5	97.8	97.7	99.4	98.9	97.7



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	1.7	2.1	1.7	1.2	2.2	1.4
No	98.3	97.9	98.3	98.8	97.8	98.6

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	1.7	0.0	11.6	31.9	28.4
No	98.3	100.0	88.4	68.1	71.6



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Q2. Are you, or is anyone in your household currently suffering from a new cough in the past week?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	3.5	0.0	2.6	3.4	3.8	4.6	2.7	4.5
No	96.5	100.0	97.4	96.6	96.2	95.4	97.3	95.5

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	3.5	6.5	2.9	3.6	2.3	1.8	4.6
No	96.5	93.5	97.1	96.4	97.7	98.2	95.4



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	3.5	2.9	3.0	3.7	4.0	4.2
No	96.5	97.1	97.0	96.3	96.0	95.8

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	3.5	0.0	23.7	65.1	32.9
No	96.5	100.0	76.3	34.9	67.1



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Q3. Are you, or is anyone in your household currently suffering from new headaches in the past week?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	7.4	0.0	6.6	6.0	7.8	9.1	5.8	8.6
No	92.6	100.0	93.4	94.0	92.2	90.9	94.2	91.4

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	7.4	7.0	6.9	6.2	5.1	8.2	9.6
No	92.6	93.0	93.1	93.8	94.9	91.8	90.4



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	7.4	5.3	5.4	8.2	10.1	7.9
No	92.6	94.7	94.6	91.8	89.9	92.1

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	7.4	0.0	49.3	39.7	39.7
No	92.6	100.0	50.7	60.3	60.3



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Q4. Are you, or is anyone in your household suffering from a new sore throat in the past week?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	4.8	0.0	3.9	5.1	5.7	5.5	5.1	4.0
No	95.2	100.0	96.1	94.9	94.3	94.5	94.9	96.0

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	4.8	6.7	4.8	3.8	3.9	4.9	5.5
No	95.2	93.3	95.2	96.2	96.1	95.1	94.5



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	4.8	4.4	3.2	4.9	5.2	7.2
No	95.2	95.6	96.8	95.1	94.8	92.8

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	4.8	0.0	32.2	35.0	33.3
No	95.2	100.0	67.8	65.0	66.7



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Q5. Are you, or is anyone in your household suffering from a loss of taste or smell in the past week?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	1.6	0.0	0.7	1.6	2.1	2.2	1.3	2.2
No	98.4	100.0	99.3	98.4	97.9	97.8	98.7	97.8

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	1.6	2.0	1.9	1.9	1.0	1.4	1.6
No	98.4	98.0	98.1	98.1	99.0	98.6	98.4



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	1.6	2.6	1.4	0.9	1.7	1.6
No	98.4	97.4	98.6	99.1	98.3	98.4

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	1.6	0.0	10.6	18.2	18.5
No	98.4	100.0	89.4	81.8	81.5



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Q6. Are you, or is anyone in your household suffering from new diarrhea in the past week?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	3.9	11.1	3.1	3.8	5.2	4.5	1.7	4.8
No	96.1	88.9	96.9	96.2	94.8	95.5	98.3	95.2

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	3.9	4.9	3.8	2.4	3.9	3.0	5.2
No	96.1	95.1	96.2	97.6	96.1	97.0	94.8



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	3.9	3.5	2.7	3.8	5.8	4.0
No	96.1	96.5	97.3	96.2	94.2	96.0

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	3.9	0.0	26.2	18.3	27.0
No	96.1	100.0	73.8	81.7	73.0



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Q7. Are you, or is anyone in your household suffering from a new shortness of breath in the past week?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	1.6	0.0	1.9	0.6	2.0	2.3	0.4	1.4
No	98.4	100.0	98.1	99.4	98.0	97.7	99.6	98.6

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	1.6	2.0	2.5	2.3	1.4	1.7	0.6
No	98.4	98.0	97.5	97.7	98.6	98.3	99.4



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	1.6	2.0	1.6	0.6	1.5	2.6
No	98.4	98.0	98.4	99.4	98.5	97.4

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	1.6	0.0	11.0	30.2	23.1
No	98.4	100.0	89.0	69.8	76.9



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Q8. Have you, or has anyone with symptoms in this household been tested for COVID-19 since the onset of symptoms?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	4.8	0.0	4.2	5.1	6.4	4.0	4.7	5.9
No	95.2	100.0	95.8	94.9	93.6	96.0	95.3	94.1

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	4.8	5.9	5.1	3.9	5.0	3.6	4.9
No	95.2	94.1	94.9	96.1	95.0	96.4	95.1



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	4.8	5.2	4.3	3.0	5.4	6.6
No	95.2	94.8	95.7	97.0	94.6	93.4

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	4.8	4.1	9.2	16.9	100.0
No	95.2	95.9	90.8	83.1	0.0



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Q9. Did you, or did anyone in this household test positive for COVID-19?

Base: Respondents with symptoms who have been tested for COVID-19

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	213	0	60	39	36	42	13	23
TOTAL (w/t)	206	0	53	33	40	39	15	25
Yes	13.5	0.0	8.1	10.8	15.1	11.0	5.4	34.7
No	86.5	0.0	91.9	89.2	84.9	89.0	94.6	65.3

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	213	27	42	20	23	16	37
TOTAL (w/t)	206	29	33	22	22	15	41
Yes	13.5	27.5	20.5	17.6	9.0	9.0	4.6
No	86.5	72.5	79.5	82.4	91.0	91.0	95.4



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	213	40	73	22	39	39
TOTAL (w/t)	206	30	53	23	51	49
Yes	13.5	22.8	19.7	1.8	10.6	9.6
No	86.5	77.2	80.3	98.2	89.4	90.4

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	213	157	56	40	52
TOTAL (w/t)	206	147	59	39	53
Yes	13.5	10.5	21.0	29.4	52.9
No	86.5	89.5	79.0	70.6	47.1



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Q10. Are you, or is anyone in this household still waiting for their COVID-19 test result?

Base: Respondents with symptoms who have been tested for COVID-19

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	213	0	60	39	36	42	13	23
TOTAL (w/t)	206	0	53	33	40	39	15	25
Yes	17.4	0.0	16.8	24.0	30.1	5.6	19.5	6.4
No	82.6	0.0	83.2	76.0	69.9	94.4	80.5	93.6

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	213	27	42	20	23	16	37
TOTAL (w/t)	206	29	33	22	22	15	41
Yes	17.4	23.9	16.3	13.3	13.0	20.8	20.3
No	82.6	76.1	83.7	86.7	87.0	79.2	79.7



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	213	40	73	22	39	39
TOTAL (w/t)	206	30	53	23	51	49
Yes	17.4	23.2	15.2	33.4	22.3	3.6
No	82.6	76.8	84.8	66.6	77.7	96.4

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	213	157	56	40	52
TOTAL (w/t)	206	147	59	39	53
Yes	17.4	6.4	44.9	49.4	68.0
No	82.6	93.6	55.1	50.6	32.0



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Q11. Do you, or does anyone in your household have an underlying health condition which might aggravate a COVID-19 infection?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	32.5	40.3	32.8	29.4	39.3	32.0	30.3	28.7
No	67.5	59.7	67.2	70.6	60.7	68.0	69.7	71.3

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	32.5	27.6	31.5	35.1	32.5	24.4	31.9
No	67.5	72.4	68.5	64.9	67.5	75.6	68.1



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	32.5	31.5	36.3	35.9	28.1	28.9
No	67.5	68.5	63.7	64.1	71.9	71.1

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	32.5	30.8	41.9	45.5	58.1
No	67.5	69.2	58.1	54.5	41.9



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Q12. Please indicate what kind of condition this is.

Base: Respondents who have underlying health conditions which might aggravate a COVID-19 infections
Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	1595	3	495	242	318	310	99	128
TOTAL (w/t)	1383	2	412	193	247	307	100	122
A heart condition	16.3	0.0	15.7	23.0	18.0	13.3	19.4	9.9
A lung or pulmonary condition	15.8	0.0	16.8	15.0	16.0	16.7	12.3	14.3
Diabetes	20.6	20.7	17.7	16.9	16.3	27.1	26.6	23.4
Asthma	21.7	27.5	20.0	17.1	22.5	26.7	14.4	26.5
Mobility issues	3.8	51.8	4.6	3.3	5.7	1.6	4.4	2.1
Other	21.8	0.0	25.2	24.7	21.5	14.6	22.9	23.9

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	1595	147	268	249	166	113	267
TOTAL (w/t)	1383	137	205	196	145	105	268
A heart condition	16.3	16.0	13.8	15.2	17.5	17.1	16.7
A lung or pulmonary condition	15.8	21.5	17.8	13.0	17.7	10.6	19.2
Diabetes	20.6	15.3	28.7	23.4	17.2	22.6	17.1

Asthma	21.7	21.9	18.0	23.5	16.3	28.2	21.8
Mobility issues	3.8	5.8	3.9	1.5	5.0	0.5	2.1
Other	21.8	19.5	17.8	23.4	26.3	21.0	23.1

Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	1595	277	676	267	208	167
TOTAL (w/t)	1383	181	450	270	268	214
A heart condition	16.3	17.8	18.4	15.1	12.4	17.1
A lung or pulmonary condition	15.8	18.1	18.1	16.3	16.4	7.9
Diabetes	20.6	17.8	19.3	21.3	22.8	21.8
Asthma	21.7	14.7	17.2	23.2	26.4	29.4
Mobility issues	3.8	4.9	4.2	2.3	1.6	6.3
Other	21.8	26.8	22.8	21.7	20.4	17.5

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	1595	1341	254	97	26
TOTAL (w/t)	1383	1116	266	105	31
A heart condition	16.3	16.0	17.8	18.9	27.6

A lung or pulmonary condition	15.8	15.4	17.7	17.0	1.4
Diabetes	20.6	20.7	20.0	19.1	22.2
Asthma	21.7	22.3	19.1	24.6	12.7
Mobility issues	3.8	3.4	5.1	6.5	9.4
Other	21.8	22.2	20.3	13.8	26.6



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Q13. What is your current level of emotional stress?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
NET: TOP2	17.8	0.0	18.3	13.3	15.2	20.8	18.7	19.2
NET: BTM3	82.2	100.0	81.7	86.7	84.8	79.2	81.3	80.8
Extremely stressed	4.5	0.0	5.0	3.0	4.3	5.2	3.4	4.6
Very stressed	13.3	0.0	13.3	10.4	10.9	15.6	15.3	14.6
Somewhat stressed	39.6	40.3	41.3	39.6	40.2	37.4	37.5	39.8
Not very stressed	29.1	27.8	26.8	34.0	30.6	28.9	30.0	26.3
Not stressed at all	13.5	31.9	13.6	13.0	14.0	12.8	13.9	14.7

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
NET: TOP2	17.8	25.9	20.5	17.4	15.7	12.4	14.6
NET: BTM3	82.2	74.1	79.5	82.6	84.3	87.6	85.4
Extremely stressed	4.5	6.8	4.3	4.9	4.8	3.2	3.7

Very stressed	13.3	19.1	16.2	12.6	10.8	9.2	10.9
Somewhat stressed	39.6	32.6	33.6	39.3	40.6	47.0	47.5
Not very stressed	29.1	24.1	28.8	28.6	31.1	28.2	28.1
Not stressed at all	13.5	17.3	17.1	14.7	12.6	12.5	9.8

Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
NET: TOP2	17.8	15.7	14.7	20.1	18.8	20.8
NET: BTM3	82.2	84.3	85.3	79.9	81.2	79.2
Extremely stressed	4.5	3.6	3.4	5.6	4.9	5.3
Very stressed	13.3	12.1	11.3	14.4	13.9	15.6
Somewhat stressed	39.6	35.9	38.2	43.8	42.3	36.8
Not very stressed	29.1	30.4	33.0	25.9	25.8	29.3
Not stressed at all	13.5	18.0	14.2	10.2	13.1	13.0



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Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
NET: TOP2	17.8	15.8	28.9	35.0	37.4
NET: BTM3	82.2	84.2	71.1	65.0	62.6
Extremely stressed	4.5	3.6	9.3	12.0	17.1
Very stressed	13.3	12.2	19.6	23.0	20.3
Somewhat stressed	39.6	40.1	36.5	36.9	27.5
Not very stressed	29.1	29.5	27.3	21.9	28.9
Not stressed at all	13.5	14.6	7.3	6.2	6.2



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Q14. How optimistic or pessimistic are you about the future right now?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
NET: TOP2	46.2	27.8	46.8	46.7	49.8	46.4	37.8	44.5
NEITHER	27.5	29.2	28.7	29.4	26.1	25.7	30.0	24.9
NET: BTM2	17.8	31.9	16.9	14.9	15.0	18.5	23.7	22.5
Very optimistic	13.1	0.0	12.2	12.6	16.5	14.7	8.6	11.4
Somewhat optimistic	33.1	27.8	34.7	34.1	33.3	31.7	29.2	33.1
Neither optimistic nor pessimistic	27.5	29.2	28.7	29.4	26.1	25.7	30.0	24.9
Somewhat pessimistic	13.9	31.9	13.1	10.8	11.2	14.7	19.3	18.4
Very pessimistic	3.9	0.0	3.8	4.0	3.9	3.8	4.4	4.1
Don't know	8.5	11.1	7.6	9.0	9.1	9.4	8.5	8.0



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Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
NET: TOP2	46.2	42.9	43.3	43.9	52.9	51.3	50.7
NEITHER	27.5	27.8	26.1	25.5	26.0	28.8	27.5
NET: BTM2	17.8	16.5	15.5	21.2	16.2	16.5	20.3
Very optimistic	13.1	16.1	14.1	12.4	13.4	16.4	12.3
Somewhat optimistic	33.1	26.7	29.3	31.5	39.5	34.9	38.3
Neither optimistic nor pessimistic	27.5	27.8	26.1	25.5	26.0	28.8	27.5
Somewhat pessimistic	13.9	11.4	11.4	15.7	12.4	14.7	17.4
Very pessimistic	3.9	5.1	4.0	5.6	3.8	1.8	2.9
Don't know	8.5	12.9	15.1	9.3	4.9	3.4	1.5



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
NET: TOP2	46.2	39.1	48.8	46.6	45.5	47.8
NEITHER	27.5	28.3	25.8	31.3	27.4	25.7
NET: BTM2	17.8	19.0	16.7	16.0	21.0	16.5
Very optimistic	13.1	12.2	12.4	12.8	12.1	16.5
Somewhat optimistic	33.1	26.9	36.5	33.8	33.4	31.3
Neither optimistic nor pessimistic	27.5	28.3	25.8	31.3	27.4	25.7
Somewhat pessimistic	13.9	15.2	12.2	12.4	17.4	12.7
Very pessimistic	3.9	3.8	4.6	3.6	3.6	3.8
Don't know	8.5	13.6	8.6	6.2	6.1	10.0



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Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
NET: TOP2	46.2	46.3	45.7	45.4	50.5
NEITHER	27.5	28.0	24.6	24.5	23.9
NET: BTM2	17.8	17.0	22.4	22.8	18.9
Very optimistic	13.1	12.6	16.0	17.1	20.7
Somewhat optimistic	33.1	33.7	29.8	28.3	29.8
Neither optimistic nor pessimistic	27.5	28.0	24.6	24.5	23.9
Somewhat pessimistic	13.9	13.1	18.6	18.4	16.1
Very pessimistic	3.9	3.9	3.9	4.4	2.8
Don't know	8.5	8.8	7.2	7.2	6.7



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Q15. As far as you know, are the people in your neighbourhood observing "social distancing" by staying at least 6 feet apart?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	85.0	70.8	82.1	87.7	86.3	86.7	87.6	81.6
No	15.0	29.2	17.9	12.3	13.7	13.3	12.4	18.4

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	85.0	74.5	83.4	83.4	87.7	87.2	89.2
No	15.0	25.5	16.6	16.6	12.3	12.8	10.8



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	85.0	83.8	85.3	84.2	87.8	82.5
No	15.0	16.2	14.7	15.8	12.2	17.5

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	85.0	85.7	81.0	83.7	94.0
No	15.0	14.3	19.0	16.3	6.0



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Q16. Do you approve or disapprove of "social distancing"?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Approve	95.8	100.0	94.8	97.7	95.1	95.9	97.3	95.9
Disapprove	4.2	0.0	5.2	2.3	4.9	4.1	2.7	4.1

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Approve	95.8	93.3	94.7	96.5	94.5	97.7	97.4
Disapprove	4.2	6.7	5.3	3.5	5.5	2.3	2.6



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Approve	95.8	94.9	96.8	94.7	95.6	96.5
Disapprove	4.2	5.1	3.2	5.3	4.4	3.5

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Approve	95.8	95.8	96.3	96.0	100.0
Disapprove	4.2	4.2	3.7	4.0	0.0



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Q17. As far as you know, are your neighbours staying home as much as possible?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Yes	91.0	100.0	88.2	92.6	91.1	91.9	96.2	90.2
No	9.0	0.0	11.8	7.4	8.9	8.1	3.8	9.8

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Yes	91.0	82.0	91.3	91.5	93.0	91.7	93.1
No	9.0	18.0	8.7	8.5	7.0	8.3	6.9



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Yes	91.0	89.9	92.5	91.5	93.0	86.2
No	9.0	10.1	7.5	8.5	7.0	13.8

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Yes	91.0	91.4	88.5	91.8	97.3
No	9.0	8.6	11.5	8.2	2.7



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Q18. Do you approve or disapprove of staying at home as much as possible?

Regions of Ontario

	Total	OTHER	Southwest	Eastern	Northern	Central	GTA (not including Toronto)	Toronto
TOTAL (u/w)	4260	8	1339	651	757	824	300	381
TOTAL (w/t)	4260	5	1259	656	627	959	330	424
Approve	93.9	100.0	92.4	93.1	94.6	96.1	95.8	91.8
Disapprove	6.1	0.0	7.6	6.9	5.4	3.9	4.2	8.2

Household Income

	Total	Less than \$20,000	\$20,000 to \$40,000	\$40,000 to \$60,000	\$60,000 to \$80,000	\$80,000 to \$100,000	\$100,000 or more
TOTAL (u/w)	4260	432	732	614	441	388	726
TOTAL (w/t)	4260	497	651	559	445	430	840
Approve	93.9	94.6	94.3	94.7	92.8	94.7	92.2
Disapprove	6.1	5.4	5.7	5.3	7.2	5.3	7.8



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Household Size

	Total	Just one person, myself	2 people	3 people	4 people	5 or more
TOTAL (u/w)	4260	830	1610	643	681	496
TOTAL (w/t)	4260	576	1238	752	954	741
Approve	93.9	93.3	95.5	93.3	92.7	93.7
Disapprove	6.1	6.7	4.5	6.7	7.3	6.3

Symptom Assessment / Testing Assessment

	Total	No Symptoms	Any New Symptom	New High-Risk Symptom	Positive or a Pending COVID-19 Test
TOTAL (u/w)	4260	3688	572	205	52
TOTAL (w/t)	4260	3624	636	232	53
Approve	93.9	93.8	94.3	94.7	97.0
Disapprove	6.1	6.2	5.7	5.3	3.0



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