

Supplement Table S3. Participant characteristics presented as a function of being hesitant* vs extremely likely to get a COVID-19 vaccine across the three surveys: univariate analyses

		Survey 1	Survey 2	Survey 3	Survey 4	Survey 5
		Apr 9–20, 2020 n = 3,003	Jun 4–17, 2020 n = 3,005	Oct 29–Nov 11, 2021 n = 3,005	Jan 27–Feb 7, 2021 n = 3,000	Mar 11–23, 2021 n = 3,006
Sex	Male	33.8%	42.5%	50.9%	39.6%	36.6%
	Female	40.0% *	46.5% *	55.1% *	39.7%	37.3%
Age	<25	41.1%	55.7%	61.0%	45.6%	43.2%
	26-50	45.7% *	52.1% *	60.9% *	54.2% *	48.4% *
	>50	27.4%	34.2%	42.8%	25.0%	25.4%
Ethnicity	Others	44.0% *	55.0% *	59.6% *	52.0% *	48.6% *
	Caucasian	35.0%	41.9%	50.7%	36.4%	34.0%
Education level	High school or less	38.1% *	46.2% *	54.4% *	40.7% *	37.2%
	Grad degree or higher	32.9%	41.8%	49.3%	36.3%	35.2%
Current employment status	No	36.1%	42.0% *	47.6% *	31.5% *	30.2% *
	Yes	37.0%	48.0%	57.8%	46.8%	42.3%
Annual Income	<60K	41.0% *	47.1%	55.7%	45.1% *	41.3% *
	>60K	32.6%	43.6%	49.2%	35.4%	32.3%
Region	Western	37.3%	47.0%	53.2%	43.1%	39.8%
	Ontario	37.6%	46.0%	54.0%	39.5%	39.4%
	Quebec	36.4%	41.3% *	50.6%	35.2% *	29.0% *
	Atlantic	31.1%	37.0%	52.5%	39.6%	36.2%
At-risk health condition	No	40.1% *	50.1% *	57.5% *	44.7% *	41.5% *
	Yes	31.9%	36.8%	47.3%	32.4%	29.9%
Psychiatric disorder	No	36.3% *	43.6%	51.7%	37.0% *	35.6%
	Yes	34.1%	45.2%	54.7%	42.5%	37.4%
Essential service worker	No	35.2% *	43.5% *	54.4% *	43.0% *	36.8% *
	Yes	40.4%	51.7%	64.2%	50.8%	52.2%
Health care worker	No	36.2%	44.3% *	64.9%	50.8%	52.7%
	Yes	34.7%	56.5%	62.1%	50.7%	43.6%
Parent	No	33.8% *	42.8% *	49.3% *	35.7% *	31.9% *
	Yes	46.9%	52.3%	63.3%	51.3%	52.3%
History of getting flu vaccine	< 3 times in last 5 yrs	50.8% *	59.2% *	66.0% *	53.4% *	51.2% *
	≥ 3-5 times in last 5 yrs	18.2%	24.5%	35.1%	23.4%	16.5%
COVID-19 test results	Others	36.6%	44.4%	57.9%	39.0% *	36.7%
	COVID-19 positive	28.0%	48.9%	52.9%	57.7%	37.3%

Supplement Table S2.

Participant characteristics presented as function of survey (weighted proportions)

	Survey 1 Apr 9–20, 2020 n = 3,003	Survey 2 Jun 4–17, 2020 n = 3,005	Survey 3 Oct 29–Nov 11, 2021 n = 3,005	Survey 4 Jan 27–Feb 7, 2021 n = 3,000	Survey 5 Mar 11–23, 2021 n = 3,006
Variable	N (SD)	N (SD)	N (SD)	N (SD)	N (SD)
Sex					
Male	1452 (48.5)	1443 (48.3)	1442 (48.3)	1444 (48.3)	1455 (48.5)
Female	1544 (51.5)	1545 (51.7)	1545 (51.7)	1543 (51.7)	1546 (51.5)
Age (Numerical)	48.0 ± 17.1	47.2 ± 17.1	48.0 ± 17.1	48.0 ± 17.4	48.4 ± 17.0
Age (Categorical)					
≤ 25 years	353 (11.9)	364 (12.3)	369 (12.4)	368 (13.0)	330 (11.1)
26–50 years	1235 (41.6)	1252 (42.2)	1236 (41.6)	1188 (40.2)	1226 (41.3)
≥ 51	1382 (46.5)	1348 (45.5)	1369 (46.0)	1382 (46.8)	1415 (47.6)
Race/Ethnicity					
Non-White	517 (17.5)	528 (18.0)	614 (20.8)	513 (17.6)	514 (17.3)
White	2442 (82.5)	2407 (82.0)	2343 (79.2)	2403 (82.4)	2452 (82.7)
Education level					
High school or lower	2120 (72.2)	2111 (72.1)	2126 (72.2)	2134 (72.3)	2152 (72.5)
Graduate or postgraduate degree	817 (27.8)	817 (27.9)	817 (27.8)	816 (27.7)	818 (27.5)
Current employment status					
Unemployed	1640 (55.7)	1493 (51.2)	1428 (47.9)	1453 (49.2)	1399 (47.3)
Employed	1304 (44.3)	1425 (48.8)	1555 (52.1)	1498 (50.8)	1556 (52.7)
Annual household income					
<\$60,000/year	1309 (49.1)	1178 (45.4)	1278 (48.4)	1316 (49.5)	1324 (49.1)
≥\$60,000/year	1360 (50.9)	1418 (54.6)	1364 (51.6)	1341 (50.5)	1369 (50.9)
Provincial region					
Western ¹	940 (31.3)	941 (31.3)	941 (31.3)	939 (31.3)	941 (31.3)
Ontario	1152 (38.4)	1153 (38.4)	1153 (38.4)	1151 (38.4)	1153 (38.4)
Quebec	705 (23.5)	705 (23.5)	705 (23.5)	704 (23.5)	705 (23.5)
Atlantic ²	206 (6.9)	206 (6.9)	206 (6.9)	206 (6.9)	207 (6.9)
High-risk health condition³					
No	1582 (53.5)	1703 (57.5)	1591 (53.7)	1630 (55.3)	1686 (56.9)
Yes	1372 (46.5)	1259 (42.5)	1372 (46.3)	1316 (44.7)	1277 (43.1)
Psychiatric disorder⁴					
No	2084 (72.4)	2169 (75.4)	2160 (74.2)	2087 (73.2)	2180 (74.9)
Yes	794 (27.6)	709 (24.6)	750 (25.8)	765 (26.8)	729 (25.1)
Essential service worker					
No	2368 (82.3)	2408 (83.5)	2534 (86.5)	2409 (82.7)	2472 (85.4)
Yes	509 (17.7)	477 (16.5)	397 (13.5)	503 (17.3)	422 (14.6)
Health care worker					
No	2748 (95.6)	2762 (95.7)	2792 (95.3)	2796 (96.0)	2769 (95.7)
Yes	128 (4.4)	122 (4.3)	139 (4.7)	117 (4.0)	126 (4.3)
Parent of children <18 yrs					
No	2307 (78.2)	2303 (78.8)	2296 (78.2)	2293 (78.6)	2289 (78.7)
Yes	643 (21.8)	618 (21.2)	640 (21.8)	624 (21.4)	620 (21.3)
COVID-19 test results					
Negative	2953 (99.4)	2958 (99.6)	2971 (99.6)	2913 (98.4)	2907 (98.1)
Positive	17 (0.6)	12 (0.4)	12 (0.4)	46 (1.6)	58 (1.9)
History of flu vaccine					
< 3 times in past 5 years	1671 (56.7)	1709 (58.4)	1699 (57.8)	1581 (54.2)	1687 (57.8)
≥ 3–5 times in past 5 years	1275 (43.3)	1219 (41.6)	1243 (42.2)	1336 (45.8)	1230 (42.2)

1. **Western provinces:** British Columbia, Alberta, Saskatchewan, and Manitoba 2. **Atlantic provinces:** Nova Scotia, New Brunswick, Prince Edward Island, and Newfoundland/Labrador 3. **High-risk health conditions:** cardiovascular disease, chronic respiratory disease, diabetes, obesity, cancer, autoimmune disease 4. **Psychiatric disorders:** any mood and/or anxiety disorder and dementia