

Ecuador Repeat COVID-19 MPS Fact Sheet 2020

The 2020 Ecuador COVID-19 Mobile Phone Survey, conducted by the Ministry of Health, was a nationally representative mobile phone survey of men and women aged 18 years and older designed to produce data on KAPs, symptomology, the availability of testing and barriers to testing.

The survey employed a two-phase sample design to produce key indicators for the country stratified by sex. In phase one a sample of mobile phone numbers from an explicit frame of possible active mobile phone numbers, was generated via random digit dialing. In phase two, phase one respondents were stratified to the general population distribution. A total of 15,935 mobile phone numbers were dialed, of which 2,625 mobile phone users were screened, and yielded 1,200 interviews. The overall response rate was 15.9%.

	N	Overall		N	Men		N	Women		Item Non-response (%)*
Demographic (sample)										
<i>Age</i>		n	%		n	%		n	%	
18-29	1200	607	50.6%	546	282	51.6%	654	325	49.7%	
30-44	1200	408	34.0%	546	182	33.3%	654	226	34.6%	NA
45+	1200	185	15.4%	546	82	15.0%	654	103	15.7%	
<i>Total</i>		1200			546	45.5%		654	54.5%	
<i>Region</i>										
Costa	1057	542	51.3%	482	228	47.3%	575	314	54.6%	
Sierra	1057	437	41.3%	482	204	42.3%	575	233	40.5%	
Oriente or Amazonia	1057	69	6.5%	482	44	9.1%	575	25	4.3%	11.9%
Galapagos	1057	9	0.9%	482	6	1.2%	575	3	0.5%	
Exposure		%	(95% CI)		%	(95% CI)		%	(95% CI)	
Living in a place with cases in the community	1142	32.6	(29.3 , 35.8)	522	33.2	(28.4 , 38.1)	620	31.9	(27.6 , 36.3)	4.8%
Visiting a place with cases in the community	1139	13.5	(11.2 , 15.8)	524	15.0	(11.5 , 18.5)	615	12.0	(9.0 , 15.0)	5.1%
Traveled internationally in the last two weeks	1137	2.1	(1.2 , 3.0)	524	2.3	(1.2 , 3.3)	613	2.0	(0.5 , 3.5)	5.3%
Caring for a suspected or confirmed case	1126	10.7	(8.6 , 12.8)	516	9.7	(6.8 , 12.6)	610	11.5	(8.5 , 14.6)	6.2%
Symptoms		% or mean	(95% CI)		% or mean	(95% CI)		% or mean	(95% CI)	
Feeling ill	1134	9.3	(7.2 , 11.4)	512	9.4	(6.3 , 12.5)	622	9.2	(6.4 , 12.0)	5.5%
Fever	97	23.4	(13.9 , 32.9)	46	24.1	(10.5 , 37.6)	51	22.8	(9.5 , 36.1)	1.0%
Dry cough	97	18.9	(10.3 , 27.5)	46	19.5	(6.7 , 32.3)	51	18.3	(6.8 , 29.9)	1.0%
Shortness of breath	95	18.2	(9.0 , 27.4)	45	21.2	(6.5 , 35.9)	51	15.3	(4.4 , 26.3)	3.1%
Muscle aches or body aches	95	27.6	(17.1 , 38.0)	45	23.8	(8.7 , 38.9)	50	31.1	(16.7 , 45.6)	3.1%
Sore throat	95	14.3	(7.1 , 21.5)	45	9.3	(1.8 , 16.9)	50	19.1	(7.3 , 30.9)	3.1%
Vomiting or diarrhea	95	8.4	(2.3 , 14.4)	45	4.0	(0.0 , 9.4)	50	12.6	(2.2 , 23.0)	3.1%
Loss of taste or smell	93	12.6	(5.5 , 19.7)	43	15.1	(2.7 , 27.5)	50	10.3	(3.0 , 17.6)	5.1%
Mean number of symptoms	93	1.2	(0.9 , 1.6)	43	1.1	(0.6 , 1.7)	50	1.3	(0.8 , 1.8)	NA
Experienced fever, dry cough or shortness of breath	97	36.7	(25.3 , 48.0)	46	37.0	(20.3 , 53.7)	51	36.3	(20.9 , 51.7)	NA
Testing, Diagnosis and Treatment		%	(95% CI)		%	(95% CI)		%	(95% CI)	
Tried to get a test for COVID-19 among the population	1123	39.4	(36.0 , 42.8)	508	45.3	(40.2 , 50.4)	615	33.9	(29.4 , 38.4)	0.8%
Tested for COVID-19	1129	30.4	(27.3 , 33.6)	508	35.7	(30.9 , 40.6)	621	25.6	(21.5 , 29.7)	6.1%
COVID-19 diagnosis	342	17.5	(12.7 , 22.3)	186	18.5	(11.6 , 25.4)	156	16.2	(9.7 , 22.7)	0.0%
Treatment for COVID-19	59	38.2	(23.0 , 53.3)	30	36.9	(15.8 , 58.1)	29	39.9	(19.0 , 60.8)	0.0%
Treatment among the population	846	2.7	(1.3 , 4.1)	352	3.4	(0.9 , 6.0)	494	2.1	(0.7 , 3.5)	NA
Reason for not getting tested: Not available	25	23.6	(13.9 , 33.4)	9	18.9	(6.0 , 31.8)	16	28.7	(14.2 , 43.1)	
Reason for not getting tested: Not eligible	34	37.9	(26.4 , 49.4)	22	45.9	(29.4 , 62.5)	12	29.4	(13.7 , 45.1)	1.0%
Reason for not getting tested: Too expensive	43	38.5	(27.6 , 49.3)	18	35.2	(19.5 , 50.9)	25	42.0	(26.8 , 57.1)	

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Think they would be able to get a test among those who have not tried to get a test	672	35.8	(31.5 , 40.2)	272	40.0	(33.1 , 47.0)	400	32.5	(27.0 , 38.0)	0.9%
Close family member diagnosed	1129	28.1	(25.0 , 31.2)	515	28.2	(23.5 , 32.8)	614	28.0	(23.8 , 32.1)	5.9%
Friend diagnosed	1128	42.5	(39.1 , 46.0)	514	41.8	(36.7 , 46.9)	614	43.2	(38.5 , 47.9)	6.0%
Neighbor diagnosed	1127	31.6	(28.4 , 34.8)	513	27.2	(22.7 , 31.8)	614	35.8	(31.3 , 40.3)	6.1%
Practices		%	(95% CI)		%	(95% CI)		%	(95% CI)	
Avoided public places	1169	57.7	(54.3 , 61.1)	528	57.3	(52.3 , 62.4)	641	58.0	(53.4 , 62.6)	2.6%
Avoided public transportation	1165	61.6	(58.3 , 64.9)	528	59.4	(54.5 , 64.4)	637	63.7	(59.2 , 68.1)	2.9%
Avoided social contact	1158	83.3	(80.7 , 85.9)	527	82.6	(78.7 , 86.5)	631	83.9	(80.4 , 87.3)	3.5%
Left home in the last 7 days	1146	94.7	(93.1 , 96.4)	519	96.0	(93.9 , 98.1)	627	93.6	(91.1 , 96.0)	
Left home 1-2 days in the last 7 days	551	46.8	(43.4 , 50.2)	223	42.1	(37.1 , 47.1)	328	51.2	(46.5 , 55.9)	
Left home 3-4 days in the last 7 days	286	25.1	(22.1 , 28.1)	140	27.7	(23.1 , 32.3)	146	22.6	(18.7 , 26.5)	4.5%
Left home ≥5 days in the last 7 days	255	22.9	(20.0 , 25.8)	137	26.2	(21.8 , 30.6)	118	22.6	(18.7 , 26.5)	
Always stayed at least 6 feet away from other people when in public	1081	56.1	(52.5 , 59.6)	493	57.5	(52.3 , 62.6)	588	54.7	(49.9 , 59.5)	1.0%
Always wore a face mask or covering when leaving home	1130	87.7	(85.6 , 90.0)	510	87.0	(83.9 , 90.2)	620	88.6	(85.6 , 91.6)	1.6%
Always covered nose and mouth when wearing a face mask in public	1118	97.2	(96.0 , 98.3)	503	97.5	(95.9 , 99.1)	615	96.8	(95.2 , 98.5)	0.6%
Media Campaign		%	(95% CI)		%	(95% CI)		%	(95% CI)	
Listened to or saw "Yo me cuido" media campaign	1137	70.2	(67.1 , 73.2)	516	70.4	(66.1 , 74.7)	621	70.0	(65.7 , 74.2)	5.3%
Change in social distancing practice: Same as before	479	43.3	(39.9 , 46.8)	220	44.2	(39.1 , 49.3)	259	42.5	(37.8 , 47.2)	
Change in social distancing practice: Less than before	255	21.1	(18.3 , 23.8)	123	21.6	(17.6 , 25.5)	132	20.6	(16.8 , 24.4)	0.8%
Change in social distancing practice: More than before	390	35.6	(32.2 , 39.0)	169	34.2	(29.3 , 39.2)	221	36.9	(32.3 , 41.5)	

*Item nonresponse is calculated as: $1 - I_x / (I - V_x)$, where I_x equals the number of valid responses for question x , I equals the total number of respondents in the survey, and V_x equals the respondents with a valid skip for question x (i.e. an answer to a previous question prevented them from being asked question x).