

Ecuador 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 14,421 mobile phone numbers were dialed, of which 1,523 mobile phone users were screened, and yielded 1,185 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	1185	543	45.8%	545	234	42.9%	640	309	48.3%	NA
30-44	1185	419	35.4%	545	199	36.5%	640	220	34.4%	
45+	1185	223	18.8%	545	112	20.6%	640	111	17.3%	
<i>Total</i>		1185			545	46.0%		640	54.0%	
<i>Region</i>										
Costa	1042	538	51.6%	474	228	48.1%	568	310	54.6%	12.1%
Sierra	1042	433	41.6%	474	215	45.4%	568	218	38.4%	
Oriente or Amazonia	1042	70	6.7%	474	30	6.3%	568	40	7.0%	
Galapagos	1042	1	0.1%	474	1	0.2%	568	0	0.0%	
Exposure		%	(95% CI)		%	(95% CI)		%	(95% CI)	
Living in a place with cases in the community	1144	38.8	(35.6 , 42.0)	531	36.9	(32.5 , 41.3)	613	40.6	(36.1 , 45.1)	3.5%
Visiting a place with cases in the community	1132	17.9	(15.4 , 20.5)	521	20.0	(16.3 , 23.8)	611	15.9	(12.5 , 19.3)	4.5%
Traveled internationally in the last two weeks	1131	1.8	(1.0 , 2.7)	520	2.6	(1.1 , 4.0)	611	1.2	(0.2 , 2.1)	4.6%
Caring for a suspected or confirmed case	1117	12.3	(10.2 , 14.5)	515	11.9	(9.0 , 14.9)	602	12.8	(9.6 , 16.0)	5.7%
Symptoms		% or mean	(95% CI)		% or mean	(95% CI)		% or mean	(95% CI)	
Feeling ill	1145	9.5	(7.5 , 11.6)	521	10.7	(7.7 , 13.7)	624	8.5	(5.7 , 11.2)	3.4%
Fever	91	13.5	(5.4 , 21.6)	49	9.5	(1.0 , 17.9)	42	18.4	(3.9 , 32.9)	3.2%
Dry cough	90	10.7	(3.8 , 17.7)	48	16.2	(4.4 , 28.0)	42	4.3	(0.0 , 9.3)	4.3%
Shortness of breath	90	10.6	(3.3 , 17.9)	48	6.2	(0.0 , 13.7)	42	15.7	(2.7 , 28.7)	4.3%
Muscle aches or body aches	90	30.1	(19.1 , 41.1)	48	24.4	(10.9 , 37.8)	42	36.8	(19.3 , 54.3)	4.3%
Sore throat	90	12.2	(5.0 , 19.4)	48	17.8	(5.7 , 29.9)	42	5.5	(0.0 , 11.1)	4.3%
Vomiting or diarrhea	90	7.5	(1.2 , 13.9)	48	6.2	(0.2 , 12.2)	42	9.0	(0.0 , 20.8)	4.3%
Loss of taste or smell	89	7.5	(2.1 , 12.9)	48	9.6	(1.0 , 18.3)	41	4.9	(0.0 , 10.6)	5.3%
Mean number of symptoms	89	0.9	(0.6 , 1.2)	48	0.9	(0.5 , 1.3)	41	1.0	(0.5 , 1.4)	NA
Experienced fever, dry cough or shortness of breath	90	26.5	(16.3 , 36.7)	48	25.6	(12.1 , 39.2)	42	27.6	(12.1 , 43.0)	NA
Testing, Diagnosis and Treatment		%	(95% CI)		%	(95% CI)		%	(95% CI)	
Tried to get a test for COVID-19	1135	19.7	(17.1 , 22.3)	517	24.0	(20.0 , 27.9)	618	15.7	(12.2 , 19.1)	0.4%
Tested for COVID-19	1134	12.8	(10.5 , 15.0)	517	16.0	(12.6 , 19.4)	617	9.7	(6.8 , 12.6)	5.3%
COVID-19 diagnosis	135	12.9	(7.5 , 18.2)	82	15.2	(7.4 , 23.0)	53	9.3	(2.8 , 15.8)	0.7%
Treatment for COVID-19	22	25.9	(7.4 , 44.4)	14	27.3	(3.9 , 50.7)	8	22.5	(0.0 , 50.5)	0.0%
Treatment among the population	1020	0.5	(0.1 , 0.9)	448	0.8	(0.0 , 1.5)	572	0.2	(0.0 , 0.5)	NA
Reason for not getting tested: Not available	80	25.7	(15.1 , 36.3)	44	25.7	(12.3 , 39.1)	36	25.7	(8.7 , 42.8)	
Reason for not getting tested: Not eligible	80	26.8	(16.4 , 37.1)	44	26.6	(13.0 , 40.2)	36	27.0	(11.0 , 42.9)	0.0%
Reason for not getting tested: Too expensive	80	47.5	(35.3 , 59.8)	44	47.7	(31.9 , 63.5)	36	47.3	(28.1 , 66.6)	

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Think they would be able to get a test among those who have not tried to get a test	908	32.1	(28.7 , 35.5)	386	36.5	(31.3 , 41.8)	522	28.4	(23.9 , 32.9)	1.1%
Close family member diagnosed	1136	16.4	(13.9 , 18.9)	514	14.9	(11.5 , 18.2)	622	17.9	(14.2 , 21.5)	4.1%
Friend diagnosed	1137	29.0	(26.0 , 32.0)	516	28.9	(24.6 , 33.2)	621	29.1	(24.9 , 32.3)	4.1%
Neighbor diagnosed	1125	20.8	(18.2 , 23.4)	510	18.0	(14.5 , 21.5)	615	23.4	(19.6 , 27.2)	5.1%
Practices		%	(95% CI)		%	(95% CI)		%	(95% CI)	
Avoided public places	1146	51.8	(48.5 , 55.0)	526	50.2	(45.6 , 54.8)	620	53.3	(48.7 , 57.8)	3.3%
Avoided public transportation	1144	62.6	(59.4 , 65.8)	526	63.3	(58.9 , 67.8)	618	61.9	(57.4 , 66.4)	3.5%
Avoided social contact	1130	79.0	(76.2 , 81.7)	515	77.6	(73.6 , 81.5)	615	80.3	(76.5 , 84.0)	4.6%
Left home in the last 7 days	1111	90.8	(88.8 , 92.8)	505	93.9	(91.6 , 96.2)	606	87.9	(84.7 , 91.1)	
Left home 1-2 days in the last 7 days	1111	52.4	(49.1 , 55.7)	505	48.7	(43.9 , 53.4)	606	56.0	(51.4 , 60.6)	
Left home 3-4 days in the last 7 days	1111	20.3	(17.6 , 23.0)	505	23.1	(19.1 , 27.1)	606	17.7	(14.2 , 21.2)	6.2%
Left home ≥5 days in the last 7 days	1111	18.1	(15.6 , 20.6)	505	22.2	(18.3 , 26.0)	606	14.2	(11.0 , 17.4)	
Wore face mask or face covering when leaving home	1004	96.5	(95.3 , 97.7)	470	96.1	(94.3 , 98.0)	534	96.9	(95.4 , 98.3)	1.1%

*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).