Supplemental Online Content

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	All adults		0 conditions		1 condition		2 conditions		>=3 conditions		0 vs >=3
	n	%/mean(StdDev)	n	%/mean(StdDev)	n	%/mean(StdDev)	n	%/mean(StdDev)	n	%/mean(StdDev)	p-value
Chance get infected	5900	24.3 (22.8)	2648	23.3 (22.4)	1643	23.4 (22.3)	896	25.0 (22.5)	713	30.2 (24.0)	<0.001
Chance hospitalized	5899	22.8 (26.1)	2646	16.3 (20.5)	1643	22.7 (25.7)	896	27.6 (28.1)	714	44.7 (33.2)	<0.001
Chance die	5900	17.8 (24.7)	2647	12.4 (19.7)	1643	18. 0 (24.3)	896	20.7 (26.0)	714	37.2 (33.5)	<0.001
Activities last 7 days											
Bar/club	5862	9.6%	2631	10.0%	1631	10.8%	888	7.0%	712	8.0%	0.23
Grocery/pharmacy	5859	81.8%	2625	80.4%	1630	84.9%	891	83.8%	713	79.7%	0.76
Visit friend	5858	39.8%	2628	41.2%	1628	41.4%	892	37.6%	710	32.2%	0.001
Had visitors	5869	42.4%	2631	42.0%	1633	42.7%	893	42.7%	712	42.9%	0.75
Gathering of 10+	5859	15.0%	2627	15.5%	1630	15.3%	890	14.1%	712	13.5%	0.34
Left home, nonessential	5841	56.9%	2617	63.0%	1622	56.5%	891	50.9%	711	40.2%	<0.001
Share towel/utensil[a]	4632	29.2%	2113	30.8%	1300	29.3%	688	27.6%	531	23.9%	0.02
<6ft of coresident[a]	4652	88.9%	2124	86.8%	1308	91.4%	690	91.3%	530	88.1%	0.55
<6ft from noncoresident	5841	63.8%	2616	64.2%	1629	66.2%	889	62.5%	707	57.7%	0.02
Number of activities[b]	5744	3.10 (1.78)	2572	3.17 (1.76)	1599	3.18 (1.80)	873	2.98 (1.72)	700	2.74 (1.71)	<0.001
Always wore mask when…											
Bar/club	522	25.9%	259	20.0%	144	31.2%	64	42.6%	55	21.2%	0.86
Grocery/pharmacy	4857	82.9%	2165	80.7%	1384	82.8%	749	86.4%	559	87.4%	0.002
Visit friend	2287	9.1%	1106	7.3%	638	9.6%	331	13.1%	212	11.8%	0.13
Had visitors	2414	7.5%	1093	5.9%	670	6.8%	363	12.2%	288	9.7%	0.14
Gathering of 10+	801	28.5%	390	19.8%	229	31.7%	102	43.1%	80	42.3%	0.004
<6ft of someone	3704	28.2%	1711	26.7%	1044	27.5%	545	35.0%	404	27.8%	0.74
Action taken to keep safe in past 7 days											
Wore mask	5901	90.1%	2649	87.3%	1643	92.2%	895	92.7%	714	93.9%	<0.001
Agree or strongly agree about masks											
Make me safe	5897	67.1%	2649	63.1%	1643	69.3%	892	69.4%	713	75.6%	<0.001
Make others safe	5903	72.7%	2651	68.7%	1642	75.2%	896	76.2%	714	79.4%	<0.001
Dangerous to wear	5902	9.7%	2651	11.5%	1642	7.5%	895	9.2%	714	8.1%	0.04
Political statement	5902	11.7%	2650	14.0%	1642	10.1%	896	10.2%	714	7.6%	<0.001
Not need if not infected	5900	7.1%	2650	9.6%	1642	5.3%	895	5.6%	713	2.5%	<0.001
Not need if other healthy	5905	12.2%	2652	15.5%	1644	8.9%	895	10.0%	714	9.6%	0.001
Makes other threatened	5904	4.8%	2650	5.2%	1644	5.0%	896	4.8%	714	2.4%	0.003
Not need if keep distance	5903	10.5%	2650	12.7%	1643	9.7%	896	8.1%	714	6.2%	<0.001
Can't make me wear	5901	19.3%	2648	21.4%	1644	17.5%	895	18.6%	714	15.6%	0.005
Can't afford	5902	1.7%	2649	1.9%	1643	1.8%	896	1.5%	714	1.2%	0.37
C-19 not serious	5903	5.7%	2651	8.4%	1644	3.5%	895	3.5%	713	2.2%	<0.001
Uncomfortable	5903	19.0%	2649	21.3%	1644	18.1%	896	15.4%	714	16.2%	0.02

[a] Among those who live with someone else. [b] Excludes shared towel / utensils and <6ft from coresident because some people live alone.

eTable 2. Descriptive statistics of outcomes, by age group

	18-59		60-69		>=70		18-59 vs >=70
	N	%/mean(StdDev)	N	%/mean(StdDev)	N	%/mean(StdDev)	p-value
Chance get infected	4074	24.8 (22.5)	1233	23.9 (22.9)	865	22.7 (23.0)	0.06
Chance hospitalized	4072	19.1 (22.4)	1234	28.1 (30.1)	865	35.4 (35.3)	<0.001
Chance die	4071	14.6 (20.9)	1233	22.8 (29.3)	865	28.5 (34.1)	<0.001
Activities last 7 days							
Bar/club	4040	10.3%	1233	9.4%	864	6.1%	0.001
Grocery/pharmacy	4044	80.4%	1234	87.2%	866	81.8%	0.48
Visit friend	4039	41.5%	1230	38.3%	865	32.2%	<0.001
Had visitors	4042	42.7%	1233	41.5%	863	41.6%	0.64
Gathering of 10+	4035	15.4%	1232	14.0%	865	14.6%	0.66
Left home, nonessential	4023	62.6%	1229	48.2%	860	39.0%	<0.001
Share towel/utensil[a]	3381	30.2%	907	24.4%	617	29.8%	0.87
<6ft of coresident[a]	3397	87.5%	913	91.5%	620	93.4%	<0.001
<6ft from noncoresident	4022	66.1%	1224	59.5%	858	57.3%	<0.001
Number of activities[b]	3952	3.20 (.1.74)	1215	2.98 (1.80)	846	2.73 (1.77)	<0.001
Always wore mask when…							
Bar/club	398	21.5%	102	38.1%	48	39.0%	0.05
Grocery/pharmacy	3363	80.4%	1038	87.6%	710	88.8%	<0.001
Visit friend	1939	8.7%	525	10.2%	310	10.2%	0.58
Had visitors	1818	7.2%	561	7.7%	407	8.5%	0.55
Gathering of 10+	730	21.7%	180	44.6%	112	45.6%	<0.001
<6ft of someone	2681	28.0%	742	28.8%	457	28.5%	0.86
Action taken to keep safe							
Wore mask	4075	88.2%	1233	94.3%	866	94.8%	<0.001
Agree or strongly agree about masks							
Make me safe	4076	63.7%	1233	74.9%	865	74.5%	<0.001
Make others safe	4073	69.4%	1234	80.7%	865	79.7%	<0.001
Dangerous to wear	4075	10.9%	1234	7.7%	865	5.8%	<0.001
Political statement	4077	12.6%	1233	10.6%	866	8.4%	0.002
Not need if not infected	4076	8.3%	1233	4.5%	865	3.8%	<0.001
Not need if others healthy	4074	13.5%	1234	10.0%	866	8.8%	0.001
Makes others threatened	4074	5.7%	1234	3.2%	866	2.1%	<0.001
Not need if keep distance	4075	12.5%	1234	6.6%	866	5.6%	<0.001
Can't make me wear	4075	20.5%	1234	17.5%	866	15.5%	0.006
Can't afford	4077	2.3%	1234	0.1%	866	1.0%	0.02
C-19 not serious	4073	7.0%	1234	3.0%	866	2.4%	<0.001
Uncomfortable	4075	21.3%	1233	14.6%	865	13.1%	<0.001

[a] Among those who live with someone else. [b] Excludes shared towel / utensils and <6ft from coresident because some people live alone.

eTable 3. Comparison of sample characteristics based on Understanding America Study (UAS) and National Health Interview Survey (NHIS)

	UAS, November 11-December 9, 2020 (n=5910)	NHIS, 2018 (n=53684)	p-value for difference between surveys
	Proportion	Proportion	
Diabetes	0.125	0.123	0.78
Cancer*	0.061	0.094	<0.001
Heart disease	0.062	0.081	<0.001
High blood pressure	0.309	0.309	0.97
Asthma	0.116	0.131	0.02
Chronic lung disease	0.042	0.046	0.38
Kidney disease*	0.026	0.023	0.20
Autoimmune disease	0.053	not measured consistently	
Obesity	0.161	0.306	<0.001
0 conditions	0.474		
1 condition	0.274		
2 conditions	0.142		
>=3 conditions	0.110		
Age 18-59	0.694	0.709	0.06
Age 60-69	0.179	0.156	0.001
Age 70+	0.128	0.135	0.22
Male	0.484	0.489	0.63
Non-Hispanic white	0.631	0.637	0.59
Non-Hispanic black	0.120	0.114	0.41
Hispanic	0.160	0.161	0.97
Non-Hispanic other	0.088	0.088	>0.99
<=12 yrs schooling	0.375	0.350	0.01
13-15 yrs schooling	0.271	0.307	<0.001
16+ years schooling	0.353	0.343	0.27

*UAS, but not NHIS, explicitly excludes skin cancer. Kidney disease is in the last year for NHIS.

eTable 4. OLS and unconditional median regressions of perceived percent chance of infection in next 3 months

Explanatory variables	OLS Regression 1 Beta/[95%CI]	OLS Regression 2 Beta/[95%CI]	Unconditional Median Regression 1 Beta/[95%CI]	Unconditional Median Regression 2 Beta/[95%CI]
Diabetes	3.45*		4.94*	
	[0.75,6.14]		[0.78,9.10]	
Cancer	3.11		1.90	
	[-0.19,6.41]		[-3.03,6.82]	
Heart disease	3.30*		4.98	
	[0.14,6.46]		[-0.26,10.23]	
High blood pressure	-0.63		-1.09	
	[-2.47,1.21]		[-4.07,1.88]	
Asthma	0.78		2.03	
	[-1.65,3.21]		[-1.98,6.04]	
Chronic lung disease	6.97**		8.38**	
	[2.78,11.15]		[2.02,14.74]	
Kidney disease	4.50		2.97	
	[-0.65,9.64]		[-4.75,10.69]	
Autoimmune disease	4.59**		7.21**	
	[1.42,7.77]		[2.05,12.37]	
Obesity	1.77		4.78**	
	[-0.34,3.88]		[1.30,8.26]	
Age 60-69	-2.29*	-2.09*	-0.77	-0.99
	[-4.28,-0.30]	[-4.04,-0.14]	[-4.02,2.49]	[-4.21,2.22]
Age 70+	-3.91**	-3.45**	-2.76	-3.12
	[-6.25,-1.57]	[-5.71,-1.19]	[-6.65,1.12]	[-6.83,0.60]
Male	-4.11***	-4.22***	-5.54***	-5.96***
	[-5.76,-2.45]	[-5.85,-2.59]	[-8.10,-2.97]	[-8.47,-3.44]
Non-Hispanic black	-2.93*	-3.32*	-3.99	-4.61*
	[-5.74,-0.13]	[-6.09,-0.55]	[-8.33,0.35]	[-8.91,-0.32]
Hispanic	1.31	1.26	1.69	1.69
	[-1.47,4.09]	[-1.52,4.03]	[-2.44,5.82]	[-2.44,5.82]
Non-Hispanic other	-1.87	-1.93	-4.25	-4.38
	[-4.62,0.89]	[-4.69,0.84]	[-8.79,0.28]	[-8.92,0.17]
13-15 yrs school	-1.28	-1.32	-3.39*	-3.32*
	[-3.33,0.77]	[-3.37,0.74]	[-6.54,-0.23]	[-6.47,-0.17]
16+ yrs school	-2.30*	-2.44*	-1.98	-1.99
	[-4.25,-0.35]	[-4.38,-0.49]	[-5.03,1.07]	[-5.02,1.04]
1 condition		1.00		1.74
		[-0.92,2.92]		[-1.34,4.82]
2 conditions		2.99*		5.15**
		[0.55,5.42]		[1.30,8.99]
3+ conditions		8.27***		12.31***
		[5.53,11.02]		[8.23,16.39]
Constant	27.04***	27.17***		
	[25.07,29.00]	[25.13,29.20]		
n	5900	5900	5900	5900

Reference categories: 0 conditions, age 18-59, female, non-Hispanic white, <=12 years of schooling. * p<0.05, ** p<0.01, *** p<0.001

eTable 5. OLS and unconditional median regressions of perceived percent chance of hospitalization if infected

Explanatory variables	OLS Regression 1 Beta/[95%CI]	OLS Regression 2 Beta/[95%CI]	Unconditional Median Regression 1 Beta/[95%CI]	Unconditional Median Regression 2 Beta/[95%CI]
Diabetes	8.46***		4.18**	
	[5.22,11.71]		[1.53,6.84]	
Cancer	7.09***		3.87*	
	[3.20,10.97]		[0.83,6.92]	
Heart disease	9.58***		3.81*	
	[5.13,14.03]		[0.38,7.24]	
High blood pressure	1.58		2.44**	
	[-0.47,3.64]		[0.63,4.26]	
Asthma	4.59**		3.59**	
	[1.80,7.37]		[1.20,5.99]	
Chronic lung disease	18.42***		6.84**	
	[12.50,24.34]		[2.37,11.32]	
Kidney disease	5.47		5.35	
	[-0.69,11.64]		[-0.22,10.92]	
Autoimmune disease	7.93***		4.63**	
	[3.73,12.14]		[1.44,7.82]	
Obesity	4.44***		4.64***	
	[2.10,6.79]		[2.55,6.72]	
Age 60-69	4.64***	5.12***	4.54***	4.46***
	[2.33,6.95]	[2.82,7.42]	[2.51,6.57]	[2.46,6.46]
Age 70+	9.79***	10.96***	7.58***	7.47***
	[6.60,12.98]	[7.86,14.07]	[5.24,9.92]	[5.26,9.68]
Male	-0.77	-0.69	-1.16	-1.31
	[-2.51,0.97]	[-2.42,1.04]	[-2.72,0.41]	[-2.85,0.23]
Non-Hispanic black	3.35*	2.53	2.33	2.13
	[0.27,6.42]	[-0.52,5.58]	[-0.28,4.95]	[-0.48,4.75]
Hispanic	3.90**	3.74**	4.64***	4.62***
	[1.22,6.58]	[1.03,6.45]	[2.20,7.08]	[2.19,7.05]
Non-Hispanic other	3.53*	3.56*	2.88*	2.87*
	[0.55,6.51]	[0.63,6.49]	[0.12,5.64]	[0.12,5.62]
13-15 yrs school	-4.34***	-4.56***	-3.53***	-3.52***
	[-6.52,-2.16]	[-6.76,-2.36]	[-5.47,-1.59]	[-5.46,-1.59]
16+ yrs school	-8.45***	-8.90***	-6.01***	-6.04***
	[-10.47,-6.42]	[-10.95,-6.85]	[-7.86,-4.17]	[-7.88,-4.19]
1 condition		4.81***		3.89***
		[2.79,6.83]		[1.97,5.80]
2 conditions		8.35***		7.56***
		[5.69,11.01]		[5.19,9.92]
3+ conditions		24.23***		14.06***
		[20.81,27.64]		[11.75,16.36]
Constant	18.71***	18.78***		
	[16.65,20.77]	[16.68,20.87]		
n	5899	5899	5899	5899

Reference categories: 0 conditions, age 18-59, female, non-Hispanic white, <=12 years of schooling.

* p<0.05, ** p<0.01, *** p<0.001

eTable 6. OLS and unconditional median regressions of perceived percent chance of death if infected

Explanatory variables	OLS Regression 1 Beta/[95%CI]	OLS Regression 2 Beta/[95%CI]	Unconditional Median Regression 1 Beta/[95%CI]	Unconditional Median Regression 2 Beta/[95%CI]
Diabetes	6.68***		2.45***	
	[3.64,9.72]		[1.02,3.87]	
Cancer	6.85***		1.19	
	[2.90,10.80]		[-0.52,2.89]	
Heart disease	11.19***		2.97**	
	[6.64,15.74]		[1.19,4.75]	
High blood pressure	0.56		1.32**	
	[-1.46,2.58]		[0.35,2.28]	
Asthma	3.02*		2.08**	
	[0.50,5.54]		[0.82,3.34]	
Chronic lung disease	20.33***		4.14***	
	[14.27,26.39]		[1.76,6.51]	
Kidney disease	4.76		2.27	
	[-1.66,11.18]		[-0.67,5.20]	
Autoimmune disease	6.86***		2.84***	
	[3.06,10.65]		[1.16,4.52]	
Obesity	2.15		1.76**	
	[-0.03,4.34]		[0.65,2.87]	
Age 60-69	4.42***	5.17***	2.46***	2.45***
	[2.17,6.67]	[2.93,7.41]	[1.37,3.55]	[1.37,3.52]
Age 70+	7.94***	9.97***	5.02***	5.01***
	[4.93,10.95]	[7.00,12.94]	[3.80,6.24]	[3.85,6.17]
Male	-1.99*	-1.73*	-1.42***	-1.45***
	[-3.63,-0.35]	[-3.38,-0.08]	[-2.24,-0.59]	[-2.27,-0.64]
Non-Hispanic black	4.18**	3.15*	2.61***	2.45***
	[1.18,7.18]	[0.19,6.10]	[1.19,4.03]	[1.03,3.87]
Hispanic	4.91***	4.56***	3.67***	3.62***
	[2.32,7.50]	[1.91,7.20]	[2.37,4.96]	[2.34,4.91]
Non-Hispanic other	2.82*	2.81*	2.96***	2.96***
	[0.10,5.55]	[0.14,5.47]	[1.48,4.44]	[1.49,4.44]
13-15 yrs school	-5.18***	-5.54***	-1.69**	-1.72**
	[-7.26,-3.11]	[-7.65,-3.44]	[-2.72,-0.66]	[-2.75,-0.69]
16+ yrs school	-9.61***	-10.24***	-3.87***	-3.95***
	[-11.56,-7.66]	[-12.22,-8.25]	[-4.86,-2.88]	[-4.93,-2.98]
1 condition		4.15***		2.25***
		[2.25,6.04]		[1.24,3.26]
2 conditions		5.58***		3.82***
		[3.10,8.05]		[2.54,5.11]
3+ conditions		20.73***		7.72***
		[17.34,24.12]		[6.47,8.96]
Constant	16.07***	16.01***		
	[14.06,18.08]	[13.99,18.04]		
n	5900	5900	5900	5900

Reference categories: 0 conditions, age 18-59, female, non-Hispanic white, <=12 years of schooling.

* p<0.05, ** p<0.01, *** p<0.001

eTable 7. Models of activities undertaken in the past 7 days

Explanatory variable	Logit Bar/Club OR/[95%CI]	Logit Grocery /Pharmacy OR/[95%CI]	Logit Visit friend's home OR/[95%CI]	Logit Host visitors at home OR/[95%CI]	Logit Gathering of 10+ OR/[95%CI]	Logit Left home, non essential OR/[95%CI]	Logit Share towel/ utensil[a] OR/[95%CI]	Logit <6ft coresident[a] OR/[95%CI]	Logit <6ft non coresident OR/[95%CI]	Poisson # of activities[b] RR/[95%CI]
1 condition	1.16	1.24	1.08	1.05	0.99	0.86	1.00	1.57**	1.20	1.03
	[0.87,1.56]	[0.98,1.57]	[0.90,1.29]	[0.88,1.25]	[0.77,1.26]	[0.72,1.03]	[0.81,1.23]	[1.12,2.22]	[1.00,1.44]	[0.98,1.08]
2 conditions	0.74	1.17	0.93	1.03	0.90	0.73**	0.92	1.40	1.05	0.97
	[0.51,1.08]	[0.88,1.56]	[0.74,1.16]	[0.83,1.29]	[0.65,1.23]	[0.59,0.91]	[0.70,1.21]	[0.92,2.13]	[0.84,1.32]	[0.91,1.03]
3+ conditions	0.92	0.89	0.75*	1.05	0.86	0.51***	0.81	1.02	0.91	0.91**
	[0.60,1.41]	[0.66,1.20]	[0.59,0.97]	[0.83,1.33]	[0.61,1.23]	[0.40,0.65]	[0.59,1.11]	[0.67,1.56]	[0.71,1.16]	[0.85,0.97]
Age 60-69	0.82	1.61***	0.84	0.84	0.86	0.54***	0.73**	1.21	0.67***	0.91***
	[0.60,1.12]	[1.24,2.10]	[0.70,1.02]	[0.70,1.01]	[0.66,1.13]	[0.45,0.65]	[0.58,0.93]	[0.85,1.74]	[0.56,0.81]	[0.87,0.96]
Age 70+	0.48***	1.03	0.64***	0.81*	0.88	0.36***	0.97	1.41	0.57***	0.82***
	[0.32,0.71]	[0.78,1.36]	[0.51,0.80]	[0.65,0.99]	[0.66,1.19]	[0.29,0.45]	[0.74,1.28]	[0.86,2.31]	[0.46,0.71]	[0.78,0.87]
Male	1.67***	1.08	1.00	1.09	1.27*	1.30***	0.88	1.03	1.19*	1.07**
	[1.32,2.13]	[0.89,1.31]	[0.86,1.16]	[0.94,1.26]	[1.04,1.55]	[1.12,1.52]	[0.74,1.05]	[0.78,1.36]	[1.02,1.38]	[1.03,1.11]
Non-Hispanic black	0.45**	0.79	0.49***	0.57***	0.81	0.51***	0.27***	0.30***	0.45***	0.77***
	[0.26,0.77]	[0.58,1.07]	[0.38,0.64]	[0.44,0.74]	[0.57,1.16]	[0.40,0.66]	[0.17,0.42]	[0.20,0.44]	[0.35,0.58]	[0.72,0.84]
Hispanic	0.59*	0.85	0.66***	0.57***	0.87	0.56***	0.76	0.34***	0.56***	0.83***
	[0.38,0.92]	[0.64,1.15]	[0.52,0.84]	[0.45,0.73]	[0.62,1.22]	[0.44,0.71]	[0.57,1.01]	[0.24,0.48]	[0.44,0.71]	[0.77,0.89]
Non-Hispanic other	0.45***	1.10	0.85	0.62***	0.55**	0.50***	1.00	0.52**	0.64***	0.84***
	[0.28,0.72]	[0.78,1.54]	[0.66,1.11]	[0.48,0.82]	[0.37,0.83]	[0.38,0.65]	[0.74,1.36]	[0.33,0.81]	[0.49,0.83]	[0.78,0.91]
13-15 yrs school	1.38*	1.06	1.10	0.90	0.87	1.04	1.16	1.32	1.12	1.01
	[1.01,1.87]	[0.84,1.33]	[0.92,1.32]	[0.76,1.08]	[0.68,1.12]	[0.86,1.25]	[0.93,1.46]	[0.97,1.82]	[0.93,1.34]	[0.96,1.06]
16+ yrs school	1.21	1.14	0.89	0.82*	0.99	0.96	1.41**	1.62**	1.14	0.99
	[0.89,1.63]	[0.91,1.43]	[0.75,1.07]	[0.69,0.98]	[0.78,1.26]	[0.80,1.15]	[1.14,1.74]	[1.16,2.27]	[0.96,1.37]	[0.94,1.04]
Constant	0.09***	3.71***	0.87	0.97	0.19***	2.24***	0.47***	8.01***	2.11***	3.38***
	[0.07,0.13]	[2.96,4.65]	[0.73,1.04]	[0.82,1.16]	[0.15,0.25]	[1.86,2.70]	[0.38,0.58]	[5.81,11.03]	[1.75,2.55]	[3.22,3.55]
n	5862	5859	5858	5869	5859	5841	4632	4652	5841	5744

Reference categories: 0 conditions, age 18-59, female, non-Hispanic white, <=12 years of schooling. OR=odds ratio. RR=rate ratio. * p<0.05, ** p<0.01, *** p<0.001.   [a] Among those who live with someone else. [b] Excludes shared towel / utensils and <6ft from coresident because some people live alone.

eTable 8. Logistic models of mask wearing in the past 7 days

	Wore mask somewhere in past 7 days OR/[95%CI]	Always wore mask past 7 days while at:					
Explanatory variables		Bar/club OR/[95%CI]	Grocery/ pharmacy OR/[95%CI]	Visit friend's home OR/[95%CI]	Host visitor OR/[95%CI]	Gathering of 10+ OR/[95%CI]	<6ft noncoresident OR/[95%CI]
1 condition	1.59**	1.61	1.06	1.27	1.04	1.58	1.01
	[1.16,2.20]	[0.85,3.03]	[0.82,1.38]	[0.78,2.08]	[0.58,1.87]	[0.95,2.65]	[0.79,1.29]
2 conditions	1.63*	2.33*	1.40	1.79*	1.99*	2.20*	1.48**
	[1.09,2.45]	[1.07,5.09]	[0.99,1.98]	[1.04,3.10]	[1.11,3.57]	[1.13,4.29]	[1.10,1.99]
3+ conditions	1.95**	0.73	1.53*	1.57	1.51	1.97	1.06
	[1.19,3.20]	[0.31,1.76]	[1.04,2.27]	[0.80,3.07]	[0.79,2.91]	[0.97,3.99]	[0.74,1.50]
Age 60-69	2.28***	2.53**	1.87***	1.28	1.23	3.30***	1.15
	[1.55,3.36]	[1.28,5.00]	[1.38,2.55]	[0.78,2.10]	[0.74,2.07]	[1.93,5.64]	[0.88,1.50]
Age 70+	2.31***	3.11**	2.00***	1.44	1.33	3.48***	1.16
	[1.45,3.67]	[1.40,6.89]	[1.40,2.85]	[0.78,2.68]	[0.73,2.42]	[1.91,6.34]	[0.86,1.58]
Male	0.76*	0.65	0.73**	0.75	0.68	1.27	0.88
	[0.59,0.98]	[0.38,1.14]	[0.59,0.91]	[0.50,1.14]	[0.43,1.06]	[0.81,1.97]	[0.72,1.09]
Non-Hispanic black	2.28**	1.77	1.52*	4.91***	6.25***	3.36**	2.74***
	[1.36,3.81]	[0.64,4.90]	[1.01,2.30]	[2.79,8.66]	[3.59,10.86]	[1.55,7.28]	[1.95,3.85]
Hispanic	1.48	1.51	1.32	1.85*	1.81	1.71	2.29***
	[0.98,2.23]	[0.59,3.87]	[0.91,1.90]	[1.00,3.43]	[0.86,3.79]	[0.90,3.28]	[1.66,3.16]
Non-Hispanic other	2.26**	0.38	0.94	2.03*	2.60*	2.70*	1.61**
	[1.38,3.70]	[0.14,1.05]	[0.65,1.38]	[1.03,3.98]	[1.18,5.73]	[1.18,6.21]	[1.13,2.29]
13-15 yrs school	1.23	1.48	1.58***	1.37	1.14	1.19	1.29
	[0.92,1.63]	[0.73,3.01]	[1.24,2.03]	[0.82,2.27]	[0.66,1.94]	[0.68,2.08]	[0.99,1.67]
16+ yrs school	2.56***	1.54	3.51***	1.25	1.18	2.63***	1.22
	[1.85,3.54]	[0.79,3.00]	[2.67,4.63]	[0.76,2.06]	[0.71,1.98]	[1.52,4.55]	[0.95,1.57]
Constant	4.00***	0.19***	2.38***	0.05***	0.04***	0.08***	0.24***
	[3.01,5.31]	[0.09,0.39]	[1.84,3.07]	[0.03,0.08]	[0.02,0.08]	[0.04,0.15]	[0.19,0.32]
n	5901	522	4857	2287	2414	801	3704

Reference categories: 0 conditions, age 18-59, female, non-Hispanic white, <=12 years of schooling. * $p<0.05$, ** $p<0.01$, *** $p<0.001$. OR=odds ratio.

eTable 9. Logistic models of whether agree or strongly agree about various aspects of wearing a mask

Explanatory variables	Keeps me safe OR/[95%CI]	Keeps others safe OR/[95%CI]	Is dangerous OR/[95%CI]	Is political statement OR/[95%CI]	Not needed if not infected OR/[95%CI]	Not needed if others healthy OR/[95%CI]	Is threatening to others OR/[95%CI]	Not needed if keep distance OR/[95%CI]	No one can force me to wear OR/[95%CI]	Can't afford OR/[95%CI]	COVID-19 not serious OR/[95%CI]	Is un-comfortable OR/[95%CI]
1 condition	1.25*	1.32**	0.67*	0.71*	0.56**	0.55***	1.04	0.83	0.79*	1.16	0.43***	0.89
	[1.04,1.51]	[1.08,1.61]	[0.49,0.93]	[0.54,0.93]	[0.39,0.79]	[0.42,0.72]	[0.69,1.56]	[0.62,1.11]	[0.63,0.99]	[0.57,2.35]	[0.28,0.66]	[0.71,1.11]
2 conditions	1.24	1.37*	0.87	0.71*	0.61*	0.65*	1.08	0.74	0.85	1.17	0.45**	0.75
	[0.97,1.58]	[1.06,1.77]	[0.60,1.26]	[0.50,1.00]	[0.39,0.95]	[0.46,0.91]	[0.65,1.78]	[0.51,1.06]	[0.64,1.13]	[0.45,3.05]	[0.26,0.78]	[0.55,1.02]
3+ conditions	1.69***	1.65***	0.76	0.52**	0.27***	0.64*	0.56	0.59*	0.70*	0.94	0.29***	0.81
	[1.29,2.22]	[1.23,2.22]	[0.49,1.17]	[0.35,0.77]	[0.15,0.49]	[0.43,0.94]	[0.29,1.08]	[0.38,0.90]	[0.51,0.95]	[0.30,2.95]	[0.16,0.52]	[0.59,1.13]
Age 60-69	1.90***	1.97***	0.63*	0.78	0.51**	0.70*	0.57*	0.48***	0.73**	0.05***	0.41**	0.60***
	[1.54,2.34]	[1.57,2.47]	[0.44,0.91]	[0.58,1.05]	[0.33,0.79]	[0.52,0.94]	[0.34,0.95]	[0.34,0.70]	[0.57,0.92]	[0.01,0.21]	[0.24,0.71]	[0.47,0.78]
Age 70+	1.82***	1.76***	0.48***	0.60**	0.46**	0.61**	0.36**	0.42***	0.61***	0.47	0.36***	0.55***
	[1.43,2.31]	[1.36,2.28]	[0.31,0.72]	[0.43,0.85]	[0.27,0.78]	[0.43,0.87]	[0.20,0.67]	[0.28,0.63]	[0.46,0.81]	[0.16,1.44]	[0.20,0.65]	[0.41,0.73]
Male	0.80**	0.82*	1.16	1.52***	1.60**	1.48***	1.62**	1.10	1.49***	0.9	1.84***	1.12
	[0.68,0.93]	[0.70,0.97]	[0.91,1.49]	[1.22,1.90]	[1.21,2.11]	[1.18,1.84]	[1.14,2.30]	[0.87,1.40]	[1.24,1.78]	[0.49,1.66]	[1.34,2.52]	[0.93,1.34]
Non-Hispanic black	2.55***	1.67***	0.33***	0.27***	0.15***	0.25***	1.55	0.32***	0.32***	1.71	0.19***	0.43***
	[1.88,3.45]	[1.24,2.26]	[0.19,0.60]	[0.15,0.49]	[0.06,0.39]	[0.14,0.43]	[0.92,2.63]	[0.18,0.57]	[0.22,0.48]	[0.73,4.01]	[0.07,0.51]	[0.30,0.63]
Hispanic	1.98***	1.56**	0.77	0.52**	0.46**	0.63*	1.22	0.66*	0.45***	1.93	0.42**	0.94
	[1.52,2.59]	[1.18,2.05]	[0.51,1.15]	[0.34,0.78]	[0.27,0.79]	[0.43,0.92]	[0.73,2.03]	[0.44,0.97]	[0.32,0.63]	[0.89,4.16]	[0.23,0.77]	[0.70,1.25]
Non-Hispanic other	1.54**	1.43*	0.50**	0.48**	0.56*	0.52**	1.06	0.45***	0.51***	1.37	0.73	0.75
	[1.15,2.06]	[1.05,1.96]	[0.31,0.81]	[0.31,0.76]	[0.33,0.93]	[0.35,0.79]	[0.58,1.94]	[0.29,0.73]	[0.36,0.72]	[0.49,3.81]	[0.43,1.25]	[0.53,1.07]
13-15 yrs school	1.19	1.40***	0.76	0.96	0.99	1.03	0.95	0.98	0.93	0.60	0.77	0.71**
	[0.98,1.43]	[1.15,1.70]	[0.57,1.01]	[0.73,1.25]	[0.72,1.38]	[0.79,1.35]	[0.63,1.45]	[0.73,1.31]	[0.74,1.15]	[0.30,1.20]	[0.53,1.13]	[0.58,0.89]
16+ yrs school	2.32***	2.87***	0.44***	0.65**	0.50***	0.79	0.76	0.83	0.60***	0.38*	0.49***	0.44***
	[1.92,2.82]	[2.33,3.53]	[0.32,0.60]	[0.50,0.85]	[0.35,0.72]	[0.60,1.03]	[0.50,1.17]	[0.63,1.10]	[0.48,0.75]	[0.17,0.85]	[0.33,0.71]	[0.35,0.55]
Constant	0.94	1.17	0.22***	0.22***	0.16***	0.22***	0.05***	0.21***	0.39***	0.03***	0.14***	0.45***
	[0.78,1.13]	[0.96,1.41]	[0.17,0.29]	[0.17,0.28]	[0.11,0.21]	[0.17,0.28]	[0.03,0.07]	[0.16,0.27]	[0.31,0.49]	[0.01,0.05]	[0.09,0.20]	[0.37,0.56]
n	5897	5903	5902	5902	5900	5905	5904	5903	5901	5902	5903	5903

Reference categories: 0 conditions, age 18-59, female, non-Hispanic white, <=12 years of schooling. * p<0.05, ** p<0.01, *** p<0.001

eTable 10. Adjusted proportion wearing a mask in the past 7 days, by CDC risk factor [95% CI], with controls for opinions about masks

	CDC risk factor						
	Number of conditions				Age		
	0	1	2	≥3	18-59	60-69	≥70
Wore a mask somewhere in past 7 days							
	0.895	0.911	0.911	0.909	0.896	0.924	0.922
	[0.880,0.910]	[0.892,0.930]	[0.887,0.935]	[0.875,0.943]	[0.883,0.909]	[0.904,0.945]	[0.896,0.948]
		p=0.17	p=0.28	p=0.48		p=0.02	p=0.10
Always wore a mask in past 7 days while at:							
Bar/Club	0.238	0.293	0.388	0.151	0.225	0.344	0.398
	[0.168,0.308]	[0.206,0.380]	[0.250,0.526]	[0.055,0.247]	[0.167,0.282]	[0.231,0.457]	[0.250,0.545]
		p=0.31	p=0.04	p=0.19		p=0.05	p=0.02
Grocery/Pharmacy	0.830	0.819	0.846	0.835	0.818	0.856	0.859
	[0.808,0.851]	[0.793,0.845]	[0.813,0.878]	[0.794,0.875]	[0.800,0.836]	[0.826,0.885]	[0.826,0.891]
		p=0.51	p=0.42	p=0.82		p=0.04	p=0.04
Visiting friend's home	0.081	0.090	0.127	0.100	0.088	0.098	0.108
	[0.058,0.104]	[0.062,0.118]	[0.081,0.173]	[0.050,0.149]	[0.069,0.108]	[0.064,0.132]	[0.060,0.157]
		p=0.62	p=0.06	p=0.48		p=0.63	p=0.42
Hosting visitors	0.066	0.064	0.114	0.089	0.073	0.079	0.082
	[0.044,0.087]	[0.039,0.089]	[0.071,0.158]	[0.048,0.130]	[0.055,0.092]	[0.050,0.109]	[0.045,0.119]
		p=0.93	p=0.03	p=0.30		p=0.72	p=0.67
Gathering of 10+	0.251	0.291	0.379	0.306	0.234	0.405	0.395
	[0.195,0.307]	[0.226,0.356]	[0.276,0.482]	[0.196,0.416]	[0.185,0.282]	[0.326,0.484]	[0.296,0.494]
		p=0.31	p=0.02	p=0.37		p<0.001	p=0.003
<6ft of noncoresident	0.281	0.261	0.351	0.262	0.286	0.276	0.274
	[0.251,0.311]	[0.226,0.295]	[0.299,0.403]	[0.208,0.317]	[0.261,0.311]	[0.233,0.320]	[0.224,0.324]
		p=0.38	p=0.02	p=0.57		p=0.71	p=0.68

Adjusted estimates based on models controlling for number of conditions, age, gender, race-ethnicity, and education, as well as 12 opinions about mask wearing. p-values are associated with the coefficients on number of conditions relative to 0 conditions and age relative to 18-59 years old in these multivariable models.