Supplementary Table 1. Distribution of percent of admitted COVID19 patients by race and ethnicity and age.

Age group	White	Latinx	African American	p-value (white and Latinx)	P-value (white and African American)	P-value (African American and Latinx)
18-25	4%	12%	4%	0.02	1.0	0.2
26-30	3.4%	12%	11%	0.003	0.04	1.0
31-35	9%	26%	11%	0.0001	0.85	0.02
36-40	11%	27%	17%	0.0025	0.34	0.13
41-45	8%	40%	19%	<0.0001	0.05	0.007
46-50	11%	34%	25%	<0.0001	0.009	0.19
51-55	16%	46%	28%	<0.0001	0.03	0.02
56-60	25%	46%	39%	<0.0001	0.03	0.40
61-65	33.5%	49%	44%	0.03	0.16	0.73
66-70	35%	63%	51%	0.0003	0.06	0.29
71-75	46%	70%	45.5%	0.02	1.0	0.08
76-80	44%	83%	63%	0.0002	0.17	0.21
81-85	52.5%	75%	73%	0.03	0.12	1.0
86-90	54%	80%	64%	0.21	0.78	0.72
>90	42%	100%	40%	0.04	1.0	0.17

Supplementary Table 2. Characteristics of all COVID-19 positive patients in the Mass General Brigham healthcare system by race and ethnicity.

	Whi	te (2404)	Latinx (1309)		African A	merican (719)	Asian American (177)		
	Hospitalized (620)	Not hospitalized (1784)	Hospitalized (470)	Not hospitalized (839)	Hospitalized (209)	Not hospitalized (510)	Hospitalized (50)	Not hospitalized (127)	
Median age (IQR,	72 (60-83)	53 (35-66)	52 (41-65)	40 (29-51)	60 (50-70)	46 (34-57)	61 (46-73)	48 (33-58)	
years)									
Age category									
18-40 years	39 (6%)	553 (31%)	106 (22%)	434 (52%)	28 (13%)	203 (40%)	7 (14%)	51 (40%)	
41-60 years	124 (20%)	623 (35%)	214 (46%)	322 (38%)	79 (38%)	211 (41%)	18 (36%)	53 (42%)	
>60 years	457 (74%)	608 (34%)	150 (32%)	83 (10%)	102 (49%)	96 (19%)	25 (50%)	23 (18%)	
Male Gender	343 (55%)	739 (41%)	265 (56%)	365 (43.5%)	111 (53%)	190 (37%)	31 (62%)	57 (45%)	
Comorbidities									
BMI*									
<=30	373 (60%)	556 (31%)	219 (47%)	231 (27.5%)	116 (55%)	121 (24%)	38 (76%)	57 (45%)	
30-40	193 (31%)	297 (16.6%)	194 (41%)	155 (18.5%)	70 (33%)	118 (23%)	9 (18%)	10 (8%)	
>40	47 (8%)	931 (52%)	37 (8%)	453 (54%)	17 (9%)	271 (53%)	0 (0%)	60 (47%)	
Smoking status**									
Current	32 (5%)	86 (5%)	16 (3%)	25 (3%)	13 (6%)	22 (4%)	1 (2%)	5 (4%)	
Former	273 (44%)	435 (24%)	76 (16%)	107 (13%)	57 (27%)	46 (9%)	10 (20%)	13 (10%)	
Never	280 (45%)	1039 (58%)	308 (66%)	593 (71%)	116 (56%)	339 (66%)	33 (66%)	92 (72%)	
Comorbidities									
Diabetes mellitus	208 (34%)	214 (12%)	151 (32%)	114 (13.5%)	80 (38%)	83 (16%)	18 (36%)	16 (12.6%)	
Hyperlipidemia	296 (48%)	453 (25%)	126 (27%)	127 (15%)	59 (28%)	76 (15%)	21 (42%)	27 (21%)	
Hypertension	363 (59%)	533 (30%)	159 (34%)	137 (16%)	115 (55%)	145 (28%)	26 (52%)	27 (21%)	
Obstructive lung disease	124 (20%)	225 (12.6%)	49 (10%)	92 (11%)	32 (15%)	57 (11%)	8 (16%)	4 (3%)	
Interstitial lung disease	7 (1%)	1 (0.1%)	3 (0.6%)	1 (0.1%)	1 (0.5%)	0 (0%)	0 (0%)	0 (0%)	
Coronary artery disease	98 (16%)	82 (4.5%)	23 (5%)	13 (1.5%)	11 (5%)	7 (1%)	6 (12%)	4 (3%)	
CHF	55 (9%)	37 (2%)	10 (2%)	5 (0.6%)	16 (8%)	6 (1%)	2 (4%)	0 (0%)	
Cerebrovascular disease	42 (7%)	44 (2.5%)	12 (3%)	11 (1%)	12 (6%)	8 (1.5%)	1 (2%)	0 (0%)	
Obstructive sleep apnea	52 (8%)	74 (4%)	11 (2%)	23 (3%)	11 (5%)	7 (1%)	1 (2%)	5 (4%)	
CKD	114 (18%)	59 (3%)	34 (7%)	14 (2%)	24 (11%)	17 (3%)	5 (10%)	1 (0.8%)	
Transplantation	7 (1%)	0	8 (2%)	0	7 (3%)	0	0 (0%)	0 (0%)	
Auto-immune diseases	36 (6%)	64 (3.5%)	15 (3%)	16 (2%)	8 (4%)	11 (2%)	0 (0%)	2 (1.6%)	
Malignancy	77 (12%)	163 (9%)	19 (4%)	25 (3%)	12 (6%)	19 (4%)	0 (0%)	7 (5.5%)	

Total comorbidities								
0	109 (18%)	830 (47%)	198 (42%)	483 (58%)	55 (26%)	264 (52%)	15 (30%)	78 (61%)
1-2	224 (36%)	611 (34%)	151 (32%)	247 (29%)	73 (35%)	171 (33%)	16 (32%)	34 (27%)
>2	287 (46%)	343 (19%)	121 (26%)	109 (13%)	81 (39%)	75 (15%)	19 (38%)	15 (12%)
Death	140 (23%)	4 (0.2%)	33 (7%)	0 (0%)	27 (13%)	3 (0.6%)	3 (6%)	0 (0%)

IQR=Interquartile range, COPD=chronic obstructive pulmonary disease, CHF=congestive heart failure, CKD=chronic kidney disease, ESRD=End stage renal disease

^{*}missing for 38% of population

^{**}missing for 16% of population

Supplementary Table 3. Univariable logistic regression model predicting hospital admission among patients with COVID-19 stratified by race										
Variables	White (N=2404)	Latinx (N=1309)	African American (N=719)							
Age										
18-40 years		Reference								
41-60 years	2.82 (1.95-4.16) ***	2.72 (2.07-3.59) ***	2.71 (1.71-4.41) ***							
>60 years	10.66 (7.63-15.30)	7.39 (5.28-10.46)	7.70 (4.81-12.68) ***							
Gender										
Female		Reference								
Male	1.75 (1.46-2.11) ***	1.68 (1.34-2.11) ***	1.91 (1.38-2.65) ***							
Smoking status										
Never		Reference								
Current	1.38 (0.89-2.09)	1.23 (0.64-2.32)	1.73 (0.82-2.50)							
Former	2.33 (1.91-2.85) ***	1.37 (0.99-1.89)	3.62 (2.33-5.65) ***							
Last BMI (kg/m²)										
<=30		Reference								
30-40	0.97 (0.77-1.21)	1.32 (0.99-1.75)	0.62 (0.42-0.92) *							
>40	1.23 (0.81-1.84)	1.12 (0.68-1.84)	1.11 (0.55-2.82)							
Comorbidities										
Diabetes mellitus	3.7 (2.97-4.61) ***	3.01 (2.29-3.98) ***	3.19 (2.21-4.60) ***							
Hyperlipidemia	2.68 (2.22-3.25) ***	2.05 (1.55-2.71) ***	2.25 (1.52-3.31) ***							
Hypertension	3.32 (2.75-4.01) ***	2.62 (2.01-3.42) ***	3.08 (2.21-4.31) ***							
Obstructive lung disease	1.73 (1.36-2.20) ***	0.95 (0.65-1.36)	1.44 (0.89-2.28)							
Interstitial lung disease	20.36 (3.61-380.9)	5.38 (0.69-108.99)	1.9 e+6							
Coronary artery disease	3.89 (2.86-5.31) ***	3.27 (1.66-6.69) ***	3.99 (1.55-10.98) **							
CHF	4.59 (3.01-7.09) ***	3.63 (1.28-11.70) *	6.96 (2.82-19.64) ***							
Cerebrovascular disease	2.87 (1.86-4.44) ***	1.97 (0.86-4.58)	3.82 (1.56-9.89) **							
Obstructive sleep apnea	2.12 (1.46-3.05) ***	0.85 (0.40-1.72)	3.99 (1.55-10.98) **							
CKD	6.59 (4.76-9.21) ***	4.59 (2.49-8.93) ***	3.76 (1.99-7.27) ***							
Transplantation	2.89 (0.90-9.29)	5.44 (1.61-24.6) *	10.11 (2.51-67.36) **							
Auto-immune diseases	1.66 (1.08-2.50) *	1.69 (0.82-3.48)	1.81 (0.68-4.53)							
Malignancy	1.41 (1.05-1.87) *	1.37 (0.74-2.51)	1.57 (0.73-3.27)							

Supplementary Table 4. Madmission among patients								
Variables	White	Latinx	African American					
	(N=2057)	(N=1278)	(N=673)					
Age								
18-40 years		Reference						
41-60 years	2.40 (1.56-3.70) *	2.39 (1.78-3.22) *	2.23 (1.30-3.82) *					
>60 years	7.16 (4.68-10.95) *	6.90 (4.49-10.61) *	5.99 (3.27-10.98) *					
Gender								
Female		Reference						
Male	1.38 (1.10-1.73) *	1.68 (1.29-2.19) *	1.67 (1.12-2.50) *					
Smoking status								
Never		Reference						
Current	1.14 (0.70-1.87)	1.18 (0.66-2.12)	1.40 (0.63-3.09)					
Former	1.25 (0.97-1.61)	0.80 (0.55-1.16)	2.19 (1.33-3.63) *					
Last BMI (kg/m²)								
<=30		Reference						
30-40	0.85 (0.65-1.10)	1.48 (1.09-2.01) *	1.06 (0.68-1.68)					
>40	1.40 (0.87-2.27)	1.64 (0.88-3.06)	2.66 (1.15-6.16) *					
Comorbidities								
Diabetes mellitus	1.83 (1.35-2.49) *	2.64 (1.67-4.16) *	1.99 (1.12-3.52) *					
Hyperlipidemia	0.87 (0.65-1.18)	0.96 (0.60-1.54)	0.66 (0.37-1.20)					
Hypertension	0.99 (0.72-1.36)	1.21 (0.76-1.91)	0.69 (0.37-1.28)					
Obstructive lung disease	1.20 (0.86-1.67)	1.06 (0.65-1.73)	1.05 (0.55-1.99)					
Interstitial lung disease	2.76e+6 (2.3e-299-	5.79 (0.53-63.41)	3.1e+6 (0.000-NA)					
	NA)	1 10 (0.52.2.64)	0.67 (0.10.2.42)					
Coronary artery disease	1.43 (0.97-2.11)	1.18 (0.53-2.64)	0.67 (0.19-2.43)					
CHF	1.18 (0.71-1.96)	1.64 (0.48-5.61)	2.23 (0.64-7.78)					
Cerebrovascular disease	1.24 (0.74-2.09)	0.92 (0.35-2.44)	1.05 (0.37-3.02)					
Obstructive sleep apnea	1.20 (0.75-1.91)	0.37 (0.14-0.94)	2.06 (0.68-6.24)					
CKD	2.65 (1.78-3.95) *	1.97 (0.94-4.14)	1.47 (0.67-3.24)					
Transplantation	0.65 (0.17-2.52)	4.34 (0.96-19.76)	21.01 (2.31-192.41) *					
Auto-immune diseases	1.12 (0.68-1.83)	1.27 (0.55-2.94)	0.91 (0.27-3.09)					
Malignancy	0.90 (0.62-1.30)	0.97 (0.45-2.08)	0.76 (0.29-1.97)					
Total comorbidities		D 6						
0	Reference							
1-2	1.49 (1.02-2.18) *	0.91 (0.60-1.37)	1.62 (0.85-3.10)					
>2	1.36 (0.71-2.63)	0.43 (0.17-1.08)	2.34 (0.72-7.59)					
Median household income *		D 6						
More than 20 th percentile	1.00 (0.05.1.02)	Reference	1.00 (0.72.1.52)					
Less than 20 th percentile	1.29 (0.86-1.92)	0.89 (0.69-1.15)	1.09 (0.72-1.63)					

^{*} Total population with median income = 4711. 20th percentile is \$53, 335.

Supplementary Table 5. Characteristics of hospitalized COVID-19 positive patients in the Mass General Brigham healthcare system, comparing those who did and did not require ICU admission

	Whit	e (620)	Latinx (470)	African Ame	erican (209)	Asian	Asian (50)	
	Required ICU (184)	No ICU (436)	Required ICU (182)	No ICU (288)	Required ICU (68)	No ICU (141)	Required ICU (12)	No ICU (38)	
Median age (IQR, years)	72 (62-82)	72 (59-83)	57 (45-67)	50 (40-62)	65 (54-73)	58 (49-70)	65 (46-71)	60 (46-79)	
Age category									
18-40 years	10 (5%)	29 (7%)	33 (18%)	73 (25%)	5 (7%)	23 (16%)	2 (17%)	5 (13%)	
41-60 years	33 (18%)	91 (21%)	80 (44%)	134 (47%)	23 (34%)	56 (40%)	3 (25%)	15 (39.5%)	
>60 years	141 (77%)	316 (72%)	69 (38%)	81 (28%)	40 (59%)	62 (44%)	7 (58%)	18 (47%)	
Male Gender	110 (60%)	233 (53%)	112 (62%)	153 (53%)	42 (62%)	69 (49%)	10 (83%)	21 (55%)	
Comorbidities									
BMI*									
<=30	102 (55%)	271 (62%)	80 (44%)	139 (48%)	40 (59%)	75 (53%)	7 (58%)	31 (81.5%)	
30-40	65 (35%)	128 (29%)	81 (44.5%)	113 (39%)	21 (31%)	49 (35%)	3 (25%)	6 (16%)	
>40	16 (9%)	31 (7%)	19 (10%)	18 (6%)	7 (10%)	11 (8%)	0 (0%)	0 (0%)	
Smoking status**									
Current	9 (5%)	23 (5%)	7 (4%)	9 (3%)	4 (6%)	9 (6%)	0 (0%)	1 (3%)	
Former	91 (49%)	182 (42%)	29 (16%)	47 (16%)	23 (34%)	34 (24%)	4 (33%)	6 (16%)	
Never	72 (39%)	208 (48%)	108 (59%)	200 (69%)	32 (47%)	84 (59.5%)	7 (58%)	26 (68%)	
Comorbidities									
Diabetes mellitus	73 (40%)	135 (31%)	59 (32%)	92 (32%)	31 (45.5%)	49 (35%)	4 (33%)	14 (37%)	
Hyperlipidemia	92 (50%)	204 (47%)	56 (31%)	70 (24%)	20 (29%)	39 (28%)	5 (42%)	16 (42%)	
Hypertension	111 (60%)	252 (58%)	64 (35%)	95 (33%)	37 (54%)	78 (55%)	8 (67%)	18 (47%)	
Obstructive lung disease	41 (22%)	83 (19%)	12 (6.5%)	37 (13%)	8 (12%)	24 (17%)	3 (25%)	5 (13%)	
Interstitial lung disease	3 (2%)	4 (1%)	2 (1%)	1 (0.3%)	1 (1.5%)	0 (0%)	0 (0%)	0 (0%)	
Coronary artery disease	25 (13.5%)	73 (17%)	7 (4%)	16 (5.5%)	4 (6%)	7 (5%)	2 (17%)	4 (10.5%)	
CHF	21 (11%)	34 (8%)	3 (2%)	7 (2%)	7 (10%)	9 (6%)	1 (8%)	1 (3%)	
Cerebrovascular disease	11(6%)	31 (7%)	3 (2%)	9 (3%)	3 (4%)	9 (6%)	1 (8%)	0 (0%)	
Obstructive sleep apnea	22 (12%)	30 (7%)	2 (1%)	9 (3%)	3 (4%)	8 (6%)	1 (8%)	0 (0%)	
CKD	39 (21%)	75 (17%)	12 (6.5%)	22 (8%)	9 (13%)	15 (11%)	2 (17%)	3 (8%)	
Transplantation									

				_				
Auto-immune diseases	11 (6%)	25 (6%)	7 (4%)	8 (3%)	4 (6%)	4 (3%)	0 (0%)	0 (0%)
Malignancy	21 (11%)	56 (13%)	10 (5.5%)	9 (3%)	4 (6%)	8 (6%)	0 (0%)	0 (0%)
Total comorbidities								
0	28 (15%)	81 (18.5%)	79 (43%)	119 (41%)	17 (25%)	38 (27%)	1 (8%)	14 (37%)
1-2	60 (33%)	164 (38%)	51 (28%)	100 (35%)	23 (34%)	50 (35.5%)	6 (50%)	10 (26%)
>2	96 (52%)	191 (44%)	52 (28.5%)	69 (24%)	28 (41%)	53 (37.5%)	5 (42%)	14 (37%)
Outcome								
Death	60 (33%)	80 (18%)	27 (15%)	6 (2%)	15 (22%)	12 (8.5%)	1 (8%)	2 (5%)
Discharged to home	27 (15%)	232 (53%)	43 (24%)	256 (89%)	14 (20.5%)	101 (72%)	0 (0%)	32 (84%)
Discharged to SNF	15 (8%)	67 (15%)	6 (3%)	13 (4.5%)	3 (%)	12 (8.5%)	0 (0%)	2 (5%)
Discharged to	17 (9%)	16 (4%)	13 (7%)	5 (2%)	5 (7%)	3 (2%)	3 (25%)	0 (0%)
rehab/STF								
Still in hospital	65 (35%)	41 (9%)	93 (51%)	8 (3%)	31 (45.5%)	13 (9%)	8 (67%)	2 (5%)

Supplementary table 6. Multivariable logistic regression model predicting ICU admission among hospitalized patients with COVID-19 adjusted for median household income.

Variables	White (N=561)	Latinx (N=457)	African American (N=201)				
Age							
18-40 years		Reference					
41-60 years	1.03 (0.39-2.77)	1.40 (0.81-2.41)	2.76 (0.78-9.72)				
>60 years	1.27 (0.49-3.27)	2.67 (1.41-5.06) *	5.24 (1.39-19.72) *				
Gender							
Female	Reference						
Male	1.27 (0.85-1.89)	1.41 (0.92-2.15)	1.91 (0.92-3.97)				
Smoking status							
Never		Reference					
Current	1.40 (0.55-3.59)	1.82 (0.66-5.01)	1.30 (0.32-5.21)				
Former	1.38 (0.90-2.12)	1.01 (0.56-1.82)	1.85 (0.85-4.02)				
Last BMI (kg/m²)							
<=30		Reference					
30-40	1.19 (0.78-1.84)	1.39 (0.90-2.15)	1.51 (0.67-3.41)				
>40	1.13 (0.54-2.39)	3.08 (1.30-7.30) *	2.46 (0.63-9.66)				
Comorbidities							
Diabetes mellitus	1.08 (0.68-1.73)	0.73 (0.38-1.40)	2.71 (1.04-7.06) *				
Hyperlipidemia	1.00 (0.62-1.63)	1.48 (0.73-3.01)	0.94 (0.39-2.23)				
Hypertension	0.95 (0.55-1.66)	0.82 (0.41-1.61)	0.34 (0.12-0.99) *				
Obstructive lung disease	1.03 (0.61-1.75)	0.31 (0.13-0.73) *	0.83 (0.28-2.42)				
Interstitial lung disease	0.79 (0.12-5.34)	2.12 (0.15-30.47)	1.7e+7 (0.000 - NA)				
Coronary artery disease	0.49 (0.27-0.88) *	0.53 (0.19-1.52)	0.60 (0.10-3.48)				
CHF	1.50 (0.77-2.93)	0.90 (0.19-4.27)	2.32 (0.57-9.36)				
Cerebrovascular disease	0.67 (0.30-1.48)	0.36 (0.08-1.57)	0.49 (0.11-2.29)				
Obstructive sleep apnea	1.58 (0.79-3.16)	0.17 (0.03-1.01)	0.75 (0.14-4.11)				
CKD	1.12 (0.67-1.90)	0.48 (0.19-1.20)	1.47 (0.49-4.45)				
Transplantation	4.4e-7 (0.0000-NA)	3.48 (0.66-18.28)	2.75 (0.47-16.04)				
Auto-immune diseases	0.72 (0.32-1.62)	1.48 (0.44-5.01)	1.79 (0.29-10.89)				
Malignancy	0.79 (0.43-1.48)	0.96 (0.32-2.91)	0.79 (0.17-3.59)				
Total comorbidities							
0	Reference						
1-2	1.10 (0.54-2.25)	0.94 (0.48-1.85)	1.29 (0.41-4.07)				
>2	1.48 (0.49-4.47)	1.59 (0.41-6.16)	1.12 (0.17-7.32)				
Median Household income *							
More than 20 th percentile		reference					
Less than 20 th percentile	2.50 (1.39-4.52) *	1.11 (0.74-1.66)	1.09 (0.53-2.24)				

^{*} Total population with median income = 4711.20^{th} percentile is \$53, 335.

Supplementary Table 7. Median household income by zip code and race and ethnic distribution of COVID-19 patients.

	Tot	tal	Wh	nite	Lat	tinx	African A	American	Asian Aı	nerican	Oth	ners
Income category *	Total (4703)**	Admitted (1389)	Total (2050)	Admitted (561)	Total (1277)	Admitted (457)	Total (673)	Admitted (201)	Total (163)	Admitted (48)	Total (540)	Admitted (131)
≤25	17 (0.4%)	7 (0.5%)	4 (0.2%)	3 (0.5%)	11 (1%)	2 (0.4%)	1 (0.1%)	1 (0.5%)	0 (0%)	0 (0%)	1 (0.2%)	1 (1%)
25-50	536 (11%)	163 (12%)	100 (5%)	36 (6%)	226 (18%)	67 (15%)	137 (20%)	43 (21%)	19 (12%)	6 (13%)	54 (10%)	11 (8%)
50-75	2031 (43%)	708 (51%)	612 (30%)	212 (38%)	764 (60%)	299 (65%)	352 (52%)	101 (50%)	52 (32%)	20 (42%)	251 (46%)	76 (58%)
75-100	1088 (23%)	267 (19%)	595 (29%)	122 (22%)	226 (18%)	73 (16%)	106 (16%)	35 (17%)	40 (24.5%)	10 (21%)	121 (22%)	27 (21%)
100-125	649 (14%)	162 (12%)	455 (22%)	116 (21%)	41 (3%)	13 (3%)	55 (8%)	18 (9%)	19 (12%)	3 (6%)	79 (15%)	12 (9%)
125-150	188 (4%)	51 (4%)	135 (6.5%)	40 (7%)	4 (0.3%)	2 (0.4%)	18 (2.7%)	3 (1.5%)	12 (7%)	4 (8%)	19 (3.5%)	2 (1.5%)
>150	194 (4%)	40 (3%)	149 (7.2%)	32 (6%)	5 (0.4%)	1 (0.2%)	4 (0.6%)	0 (0%)	21 (13%)	5 (10%)	15 (3%)	2 (1.5%)

^{*} Median income obtained by zip code-level census data and is presented in thousand dollars. ** Median income data not available for 487 patients who were not from Massachusetts

Supplementary Table 8. Population density in square miles by zip code and race and ethnic distribution of COVID-19 patients.

	Total		White		Lati	nx	African American	
Population density	Positive cases (4703)	Admitted (1389)	Positive cases (2050)	Admitted (561)	Positive cases (1277)	Admitted (457)	Positive cases (673)	Admitted (201)
<=500	122 (2.6%)	26 (2%)	94 (4.5%)	22 (4%)	7 (0.5%)	0 (0%)	0 (0%)	0 (0%)
500-1000	267 (5.6%)	50 (3%)	219 (10.6%)	39 (7%)	5 (0.4%)	1 (0.2%)	10 (1.4%)	0 (0%)
1000-2500	635 (13.5%)	107 (8%)	429 (21%)	76 (13.5%)	49 (4%)	6 (1.3%)	55 (8%)	14 (7%)
2500-5000	656 (14%)	164 (12%)	402 (19.6%)	113 (20%)	87 (7%)	25 (5.5%)	80 (12%)	13 (6%)
5000-10000	1200 (25.5%)	443 (32%)	471 (23%)	177 (31.5%)	392 (30.6%)	158 (34.5%)	170 (25%)	56 (28%)
>10000	1823 (39%)	608 (44%)	435 (21%)	134 (24%)	737 (58%)	267 (58.4%)	358 (53%)	118 (59%)

^{**} Median household and population density data not available for 479 patients who were not from Massachusetts

Supplementary Table 9. Characteristics of immunocompromised patients with COVID-19.									
Characteristics	Solid organ	HIV	Lymphoma	Leukemia					
	transplant	(N=31)	(N=33)	(N=25)					
	(N=22)								
Median age (IQR)- years	56 (15.75)	57 (13)	63 (23)	73 (19)					
Male	15 (68%)	17 (55%)	16 (48%)	16 (64%)					
Race									
White	7 (32%)	10 (32%)	22 (67%)	20 (80%)					
Latinx	8 (36%)	4 (13%)	6 (18%)	2 (8%)					
African American	7 (32%)	16 (52%)	3 (9%)	2 (8%)					
Others		1 (3%)	2 (6%)	1 (4%)					
Median time from transplant	36.5	-	-	-					
(months)									
Median last CD4+ T-cells	-	429	-	-					
(cells/mm ³)									
Hospitalized	17 (77%)	7 (23%)	8 (24%)	9 (36%)					
Required supplemental	9 (53%)	6 (86%)	8 (100%)	9 (100%)					
oxygen on admission									
Outcome									
Discharged	11 (65%)	6 (86%)	3 (38%)	4 (44%)					
Death	3 (18%)	0 (0%)	3 (38%)	3 (33%)					
Still in hospital	4 (24%)	1 (14%)	2 (25%)	2 (22%)					