

Appendix Table 5. Factors Associated With Disease Severity in Children With COVID-19 (Sensitivity Analysis Population*)			
		aOR (95% CI)	
Characteristics		Hospitalization	Hospital Disease Severity
Race/Ethnicity	White	Reference group	Reference group
	Black	0.72 [0.64, 0.82)	1.58 [1.29, 1.94)
	Hispanic	0.67 [0.61, 0.75)	1.32 [1.09, 1.59)
	Other	1.05 [0.92, 1.19)	1.71 [1.35, 2.16)
Age, y	a. 0-4	Reference group	Reference group
	b. 5-11	0.50 [0.45, 0.56)	3.07 [2.55, 3.70)
	c. 12-17	0.75 [0.69, 0.82)	2.42 [2.04, 2.87)
Gender	Male	Reference group	Reference group
	Female	0.89 [0.82, 0.95)	0.90 [0.79, 1.03)
Payor Type	Government	Reference group	Reference group
	Private	1.16 [1.06, 1.28)	1.06 [0.90, 1.26)
	Other	0.97 [0.81, 1.16)	0.97 [0.68, 1.37)
CVD CCC	No	Reference group	Reference group
	Yes	4.95 [4.25, 5.76)	3.24 [2.76, 3.80)
Neuromuscular CCC	No	Reference group	Reference group
	Yes	3.22 [2.70, 3.85)	1.58 [1.30, 1.92)
Obesity/type 2 diabetes mellitus	No	Reference group	Reference group
	Yes	10.44 [8.19, 13.30)	1.99 [1.56, 2.53)
Asthma	No	Reference group	Reference group
	Yes	1.41 [1.26, 1.59)	0.74 [0.62, 0.88)
Immunocompromised CCC	No	Reference group	Reference group
	Yes	5.85 [4.98, 6.88)	1.21 [1.01, 1.45)
Pulmonary CCC	No	Reference group	Reference group
	Yes	5.31 [3.44, 8.22)	2.66 [1.89, 3.73)

\*Encounters with a primary diagnosis of COVID-19 or a secondary diagnosis of COVID-19 plus a diagnosis of known COVID-

19-associated condition or complications.

Abbreviations: aOR, adjusted odds ratio; CCC, complex chronic conditions.