

	COVID-19 Cases			COVID-19 Deaths					
Characteristics	Residents		Staff	Residents			Staff		
Facility Characteristics									
Facility Size In Number Of Beds									
Small (< 100)	Reference								
Large (>= 100)	3.58***	3.33, 3.84	3.5***	3.22, 3.81	3.43***	3.18, 3.7	3.23***	2.59, 4.04	
Facility Age In Years Operating									
Young (< 30)	Reference								
Old (>= 30)	1.56***	1.45, 1.67	1.45***	1.34, 1.57	1.6***	1.49, 1.72	1.39**	1.15, 1.69	
Ownership Type									
Non Profit / Government	Reference								
For Profit	1.56***	1.44, 1.68	1.14*	1.05, 1.24	1.48***	1.37, 1.61	1.59***	1.26, 2.01	
No Chain Affiliation	Reference								
Chain Affiliation	1.03	0.96, 1.1	0.97*	0.9, 1.06	0.92**	0.86, 0.99	0.81**	0.67, 0.98	
Facility Location									
Rural Area	Reference								
Urban Area	1.95***	1.81, 2.09	2.08***	1.92, 2.25	2.24***	2.08, 2.42	2.12***	1.7, 2.64	
Occupancy Rate									
High (>= 74%)	Reference								
Low (< 74%)	1.59***	1.49, 1.71	1.26***	1.17, 1.37	2.14***	1.99, 2.31	1.72***	1.41, 2.1	
Overall CMS Facility Rating									
Low (< 3)	Reference								
High (>= 3)	1.33***	1.24, 1.44	1.23***	1.13, 1.33	1.37***	1.27, 1.48	1.38*	1.14, 1.68	
Deficiencies									
Federal Deficiencies									
Low (< 19)	Reference								
High (>= 19)	1.21***	1.13, 1.29	1.04	0.96, 1.12	1.17**	1.09, 1.26	1.11	0.92, 1.35	
Serious Federal Deficiencies									
Low (0)	Reference								
High (> 0)	1.13	1.03, 1.23	1.19	1.08, 1.31	1.10	1, 1.21	1.02	0.79, 1.31	
Infection Prevention Deficiencies									
Low (< 1)	Reference								
High (>= 1)	0.99	0.92, 1.06	1.03	0.95, 1.11	0.99	0.92, 1.07	1.06	0.87, 1.29	
Total Amount Of Fines									
No Fine	Reference								
Fine	1.26***	1.16, 1.36	1.18***	1.08, 1.29	1.31***	1.21, 1.42	1.17	0.96, 1.44	
Small (Excl. No Fine; < 18.172 Usd)	Reference								
Large (Excl. No Fine; >= 18.172 Usd)	1.23**	1.11, 1.36	1.17*	1.04, 1.31	1.21**	1.1, 1.34	1.06	0.81, 1.39	
Staffing Characteristics									
Total Reported RN Staffing									
0.75 Hours Per Resident Day Or Higher	Reference								
Under 0.75 Hours Per Resident Day	1.43***	1.32, 1.54	1.21*	1.11, 1.32	1.28**	1.18, 1.39	1.47*	1.17, 1.85	
Total Reported Nurse Staffing									
4.1 Hours Per Resident Day Or Higher	Reference								
Under 4.1 Hours Per Resident Day	1.16**	1.07, 1.25	0.82***	0.75, 0.89	1.27***	1.17, 1.38	1.67***	1.3, 2.14	
Resident Characteristics									
Medicaid Share									
Low (< 64%)	Reference								
High (>= 64%)	1.23***	1.15, 1.32	1.03	0.96, 1.12	1.24***	1.15, 1.33	1.23	1.01, 1.49	
Racial Or Ethnic Minority Share									
Low (< 11%)	Reference								
High (>= 11%)	3.02***	2.81, 3.24	3.09***	2.85, 3.36	2.69***	2.49, 2.9	2.69***	2.17, 3.34	
External Factors									
Excess Beds In A County									
Low (< 271)	Reference								
High (>= 271)	4***	3.72, 4.3	4.36***	4, 4.76	4.35***	4.02, 4.71	3.48***	2.77, 4.36	
Herfindahl Index									
High (>= 12%)	Reference								
Low (< 12%)	3.49***	3.25, 3.76	3.68***	3.38, 4.01	3.7***	3.42, 3.99	3.11***	2.5, 3.88	
County Infections Per 100K									
Low (< 1.011)	Reference								
High (>= 1.011)	5.06***	4.7, 5.45	6.29***	5.74, 6.89	5.78***	5.32, 6.28	4.7***	3.65, 6.05	
County Deaths Per 100K									
Low (< 22)	Reference								
High (>= 22)	4.25***	3.95, 4.57	4.41***	4.04, 4.81	6.2***	5.71, 6.73	3.85***	3.05, 4.87	

***p < .001; **p < .01; *p < .05 significance levels.