

## Supplementary Tables and Figures

**Fig. 1** Proportion of individuals in base population stratified by Race/Ethnicity, and ZIP Code-level Community Wellbeing Index (CWBI)

**Percentage of Total Individuals**

Race/Ethnicity	0-45	46-55	56-65	65+	Missing
Asian (non-Hispanic)	0.02%	9.76%	40.35%	13.24%	36.63%
Black (non-Hispanic)	1.11%	23.89%	55.42%	6.4%	13.17%
Hispanic or Latino	0.07%	16.22%	36.34%	10.33%	37.05%
White (non-Hispanic)	0.44%	33.9%	36.51%	4.5%	24.65%
Other (non-Hispanic)	0.2%	36.56%	20.46%	2.64%	40.14%
Missing	0.12%	8.84%	23.92%	8.38%	58.73%

CWBI

**Table 1** Sensitivity analysis examining the effects of immortal time bias, and missingness in the ZIP Code-level Community Wellbeing Index (CWBI)

	<i>Dependent variable: Hospitalization</i>		
	Not accounting for Immortal Time Bias	Dropping CWBI covariate	Dropping sites with missing CWBI
	OR (95% CI)	OR (95% CI)	OR (95% CI)
Paxlovid Treatment			
No (control)	<i>ref</i>	<i>ref</i>	<i>ref</i>
Yes (treatment)	0.38 (0.31-0.46)***	0.37 (0.31-0.45)***	0.37 (0.29-0.47)***
<i>Observations</i>	410,716	455,504	272,133
<i>Log Likelihood</i>	-29151.5	-29618.4	-20744.2
<i>Akaike Inf. Crit.</i>	58376.9	59296.7	41562.4

Note:  $p < .05^*$ ,  $p < .01^{**}$ ,  $p < .001^{***}$