

**Supplemental Table S3: Incidence rate ratios (IRR) and 95% Confidence Interval (95% CI) from multivariable mixed negative binomial models: Association between protests and two-week post-protest COVID-19 hospitalization across 51 California counties (after removing 3 counties with outliers of hospitalization), March 29<sup>th</sup> – October 14<sup>th</sup>, 2020**

	All counties (N=51 counties)	
	Model 1s IRR(95% CI)	Model 2s IRR(95% CI)
Any protest	0.925** (0.878; 0.975)	--
1 protest	--	0.926** (0.879; 0.975)
>1 protest	--	0.923 (0.851; 1.001)
% of devices staying at home	0.987** (0.977; 0.996)	0.987** (0.977; 0.996)
Healthy Places Index	0.559 (0.177; 1.762)	0.558 (0.177; 1.763)
% with diabetes	1.055 (0.967; 1.152)	1.055 (0.967; 1.152)
% obese	0.956** (0.924; 0.988)	0.956** (0.924; 0.988)
% smokers	0.964 (0.799; 1.163)	0.964 (0.799; 1.163)
% male	0.965 (0.909; 1.024)	0.965 (0.909; 1.024)
Median age	1.030 (0.949; 1.119)	1.030 (0.949; 1.119)
% Hispanic	1.025** (1.006; 1.043)	1.025** (1.006; 1.043)
% Black <sup>1</sup>	1.077*** (1.035; 1.122)	1.077*** (1.035; 1.122)
% AI/AN <sup>2</sup>	0.971 (0.827; 1.140)	0.971 (0.827; 1.140)
% of urban housing units	1.018* (1.002; 1.034)	1.018* (1.002; 1.034)
Democratic county	0.754 (0.463; 1.228)	0.754 (0.463; 1.228)
Spline 1 (before 06/01)	0.991** (0.986; 0.996)	0.991** (0.986; 0.996)
Spline 2 (06/01-07/21)	1.035*** (1.025; 1.044)	1.035*** (1.025; 1.044)
Spline 3 (07/22-10/14)	0.961*** (0.955; 0.967)	0.961*** (0.955; 0.967)

<sup>1</sup>Non-Hispanic Black or African American; <sup>2</sup>Non-Hispanic American Indian/Alaska Native

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