

Table 1: Parallel Trends Test of Hospitalization Rates

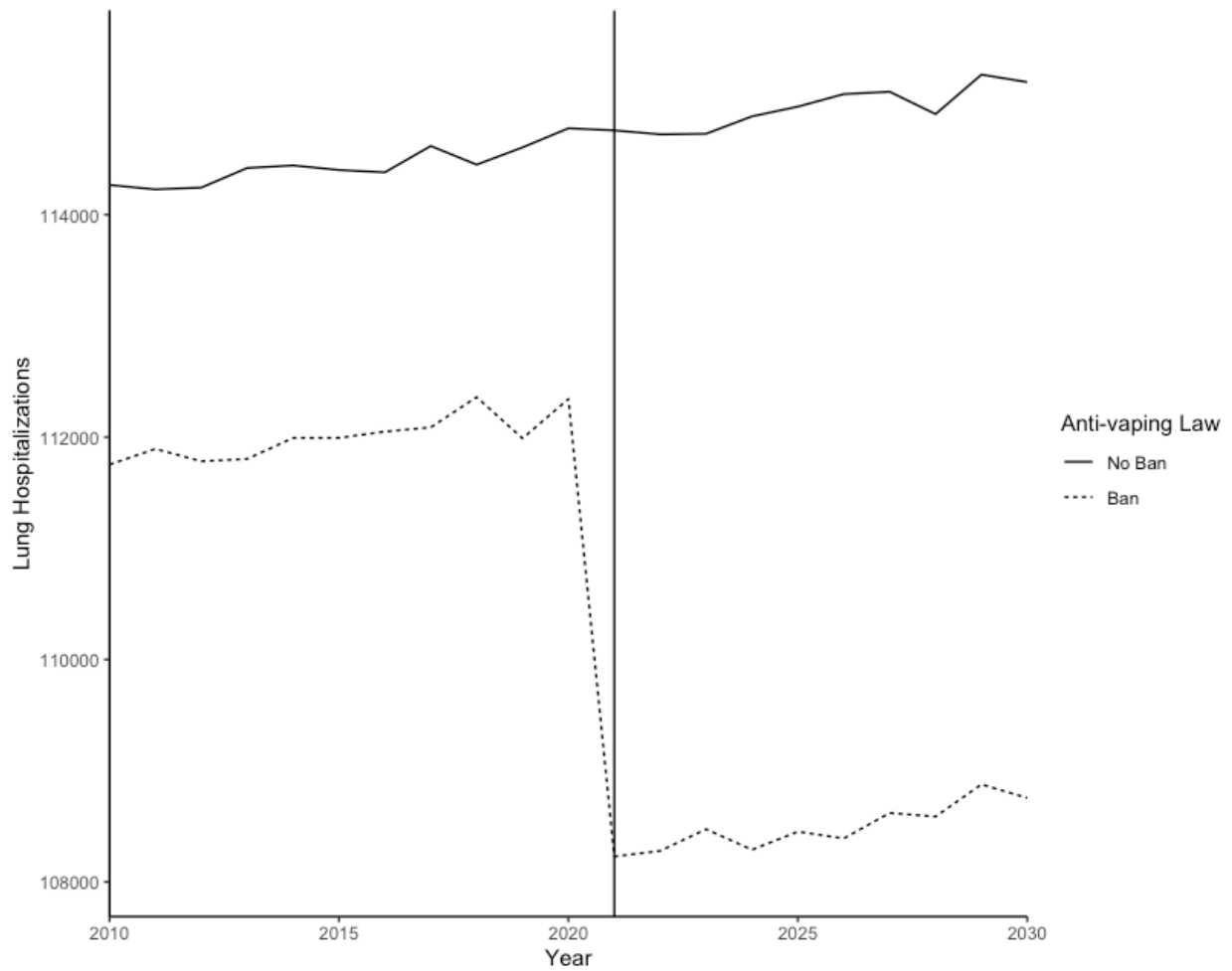
Variable	Estimates
(Intercept)	22671.36 (33011.12)
Year	45.54 ** (16.38)
Vaping Ban	-14856.10 (48672.25)
Year x Vaping Ban	6.16 (24.15)
Observations	550
R ² / R ² adjusted	0.654 / 0.652

* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

Notes. This table is a regression testing the trends of hospitalization rates before 2021, the year vaping bans were enacted, between states that enacted vaping bans and states that did not enact vaping bans. Standard OLS standard errors are reported.

There was no significant difference in hospitalization rates between states that enacted the vaping ban and states that did not enact the vaping ban in the years leading up to the vaping bans, $F(3, 546) = 6.16, p = .79$.

Figure 1. Difference in Difference Graph



Notes. This figure shows the hospitalization rates across states that enacted vaping bans and did not enact vaping bans before and after vaping bans were put in place.

Table 2: Effect of Vaping Ban on Lung Hospitalizations

	Model 1	Model 2
Variable	Estimates	Estimates
(Intercept)	113860.23 *** (50.49)	110787.44 *** (137.20)
Vaping Ban	-5364.88 *** (107.87)	-4030.46 *** (65.38)
Observations	1050	1050
R ² / R ² adjusted	0.702 / 0.702	0.963 / 0.960

* $p < 0.05$ ** $p < 0.01$ *** $p < 0.001$

Notes. Model 1 is the regression of vaping bans predicting hospitalization rates. Model 2 includes fixed effects of year and state. Standard OLS standard errors are reported.

Hospitalizations decreased by 4030.46 cases on average in states that enacted vaping bans starting in the year 2021.