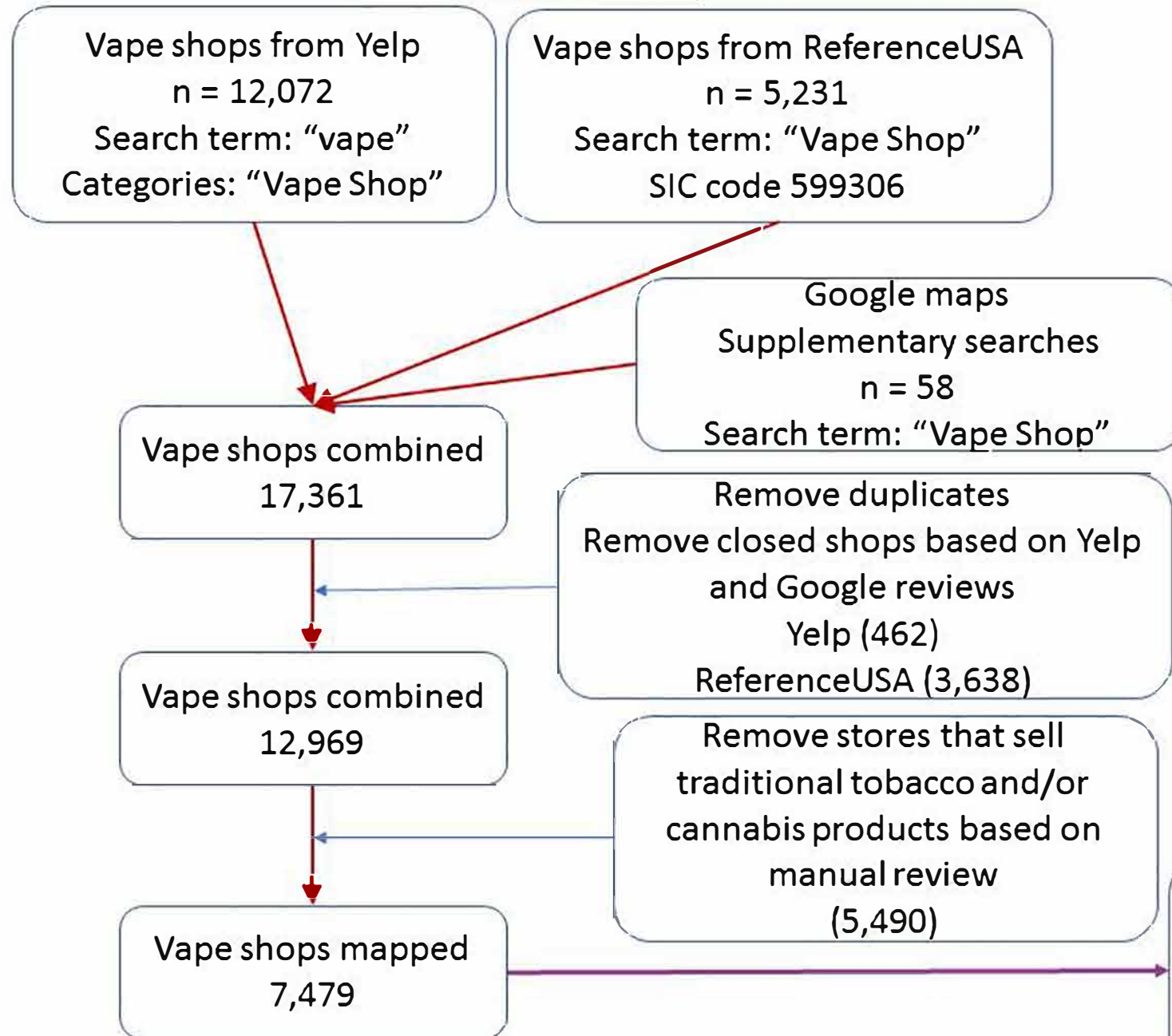


1 **Supplemental Table S1.** Summary of statistical results relating vape shop density, and proximity to schools, with the proportion of
2 racial/ethnic minorities, and those living in poverty during 2018. Log-normal coefficients from unadjusted quasi-Poisson models are
3 provided.

Response variable	Predictor variable	Intercept (±SE)	Coefficient estimate (±SE)	F	Residual Df	P*
Vape shop density (per 100,000 people)	American Indian and Alaska Native (%)	0.48 (±0.02)	- 0.038 (±0.008)	39.53	10987	<0.001
	African American (%)	0.39 (±0.03)	0.007 (±0.002)	14.93	10987	<0.001
	Asian (%)	0.39 (±0.03)	0.02 (±0.003)	25.63	10987	<0.001
	Hispanic (%)	0.44 (±0.03)	-0.0005 (±0.001)	0.12	10987	0.73
	White (%)	0.60 (±0.08)	- 0.002 (±0.001)	4.10	10987	0.043
	Poverty (%)	0.45(±0.04)	- 0.002 (±0.003)	0.29	10987	0.593
Ratio of vape shops to schools (per 100,000 people)	American Indian and Alaska Native (%)	- 1.97 (±0.02)	-0.074 (±0.012)	97.36	10987	<0.001
	African American (%)	- 2.10 (±0.02)	0.01 (±0.001)	48.69	10987	<0.001
	Asian (%)	- 2.13 (±0.02)	0.034 (±0.002)	160.12	10987	<0.001
	Hispanic (%)	- 2.06 (±0.02)	0.002 (±0.001)	0.12	10987	0.73
	White (%)	- 1.56 (±0.07)	- 0.006 (±0.001)	49.66	10987	<0.001
	Poverty (%)	- 1.91 (±0.04)	-0.013 (±0.003)	16.30	10987	<0.001
Median proximity of vape shops to schools (in km)	American Indian and Alaska Native (%)	3.34 (±0.01)	0.02 (±0.001)	499.21	10685	<0.001
	African American (%)	3.51 (±0.02)	-0.025 (±0.002)	324.69	10685	<0.001
	Asian (%)	3.70 (±0.14)	-0.265 (±0.10)	14.37	10685	<0.001
	Hispanic (%)	3.45 (±0.15)	-0.005 (±0.001)	38.91	10685	<0.001
	White (%)	3.00 (±0.05)	0.005 (±0.001)	71.92	10685	<0.001
	Poverty (%)	3.18 (±0.02)	0.021 (±0.002)	146.76	10685	<0.001

4 * italics denote statistical significance ($\alpha = 0.05$).

Vape shops data



Supplemental Figure S1

Schools data

