Supplemental Material

Air Pollution and Pulmonary Tuberculosis: A Nested Case-Control Study among Members of a Northern California Health Plan

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Table S1. Multi-pollutant[a] conditional logistic regression estimated adjusted[b] odds ratios (ORs) and 95% confidence intervals (CIs) for associations of pulmonary tuberculosis and ambient criteria air pollutants concentrations, 24-month averages, among cases and matched controls nested within the 1996-2010 KPNC membership, stratified by smoking status.

Pollutant	Quintile	Never Smokers	Ever Smokers
$PM_{2.5}$	1	ref	ref
	2	1.17 (0.94, 1.46)	1.72 (0.84, 3.53)
	3	1.09 (0.84, 1.42)	1.37 (0.65, 2.89)
	4	1.17 (0.85, 1.62)	1.83 (0.73, 4.59)
	5	0.99 (0.80, 1.23)	1.35 (0.48, 3.78)
PM_{10}	1	ref	ref
	2	0.79 (0.62, 1.01)	0.91 (0.52, 1.59)
	3	1.01 (0.78, 1.31)	1.16 (0.58, 2.32)
	4	0.84 (0.63, 1.12)	0.86 (0.37, 1.99)
	5	0.71 (0.50, 1.01)	1.10 (0.45, 2.69)
SO_2	1	ref	ref
	2	0.93 (0.74, 1.17)	1.13 (0.73, 1.75)
	3	0.76 (0.60, 0.96)	1.10 (0.68, 1.78)
	4	1.10 (0.83, 1.47)	1.10 (0.67, 1.81)
	5	0.78 (0.62, 0.97)	0.97 (0.51, 1.81)
NO_2	1	ref	ref
	2	1.04 (0.80, 1.35)	1.19 (0.57, 2.48)
	3	1.07 (0.81, 1.41)	1.35 (0.61, 2.99)
	4	1.08 (0.80, 1.46)	1.57 (0.62, 3.99)
	5	1.27 (0.84, 1.92)	1.75 (0.82, 3.72)
O_3	1	ref	ref
	2	0.96 (0.57, 1.62)	0.95 (0.52, 1.73)
	3	0.76 (0.42, 1.40)	0.98 (0.52, 1.85)
	4	0.78 (0.41, 1.45)	0.68 (0.35, 1.31)
	5	0.76 (0.39, 1.49)	0.97 (0.42, 2.20)
CO	1	ref	ref
	2	1.15 (0.97, 1.36)	1.04 (0.53, 2.04)
	3	1.33 (1.02, 1.73)	1.16 (0.68, 1.99)
	4	1.57 (1.12, 2.20)	1.35 (0.57, 3.20)
	5	1.55 (1.23, 1.95)	1.29 (0.56, 2.97)

[a] Multi-Pollutant Model: $SO_2+PM_{10}+PM_{2.5}+CO+NO_2+O_3$

[b] Adjusted for the matching factors (age, gender, and race/ethnicity).

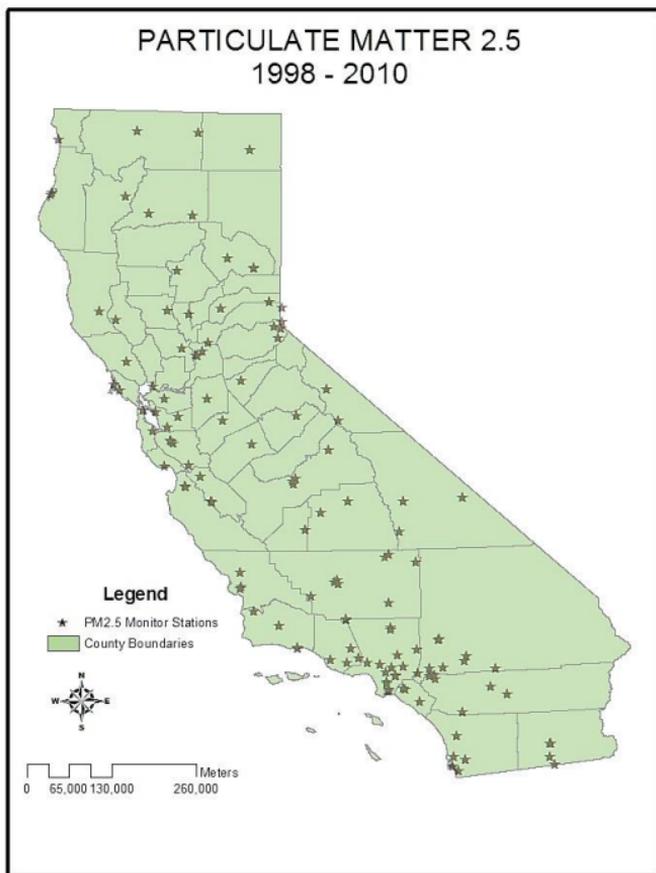Figure S1. Available PM$_{2.5}$ pollutant monitors in California

PARTICULATE MATTER 2.5
1998 - 2010

Legend
★ PM2.5 Monitor Stations
County Boundaries

0   65,000 130,000   260,000   Meters

Figure S2. Available PM$_{10}$ pollutant monitors in California

PARTICULATE MATTER 10
1994 - 2010

Legend
★ PM10 Monitor Stations
☐ County Boundaries

N
W E
S

Meters
0 65,000 130,000   260,000
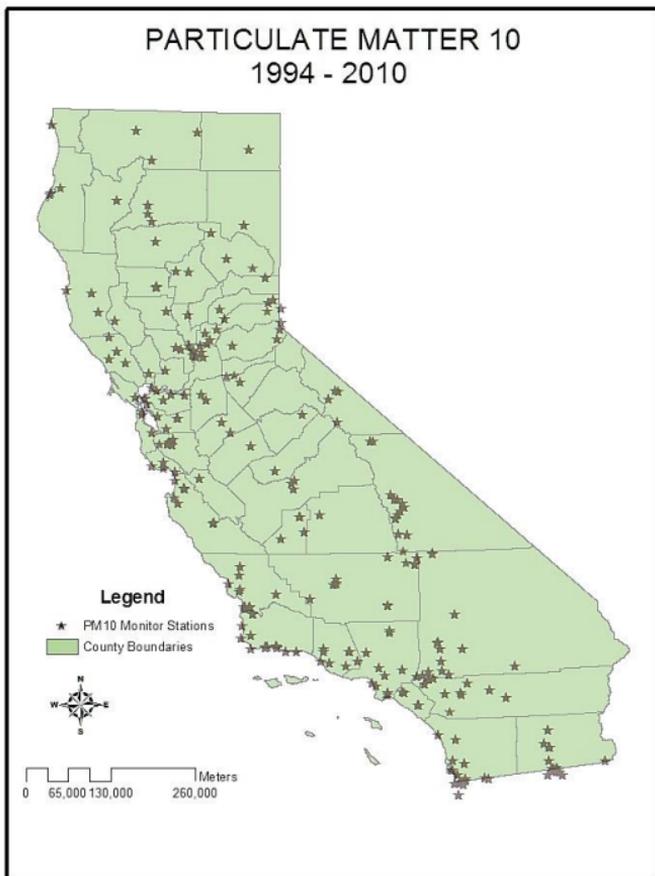
Figure S3. Available SO₂ pollutant monitors in California

SULFUR DIOXIDE
1994 - 2010

Legend
★ SO2 Monitor Stations
   County Boundaries

N
W   E
S

0   65,000 130,000   260,000   Meters
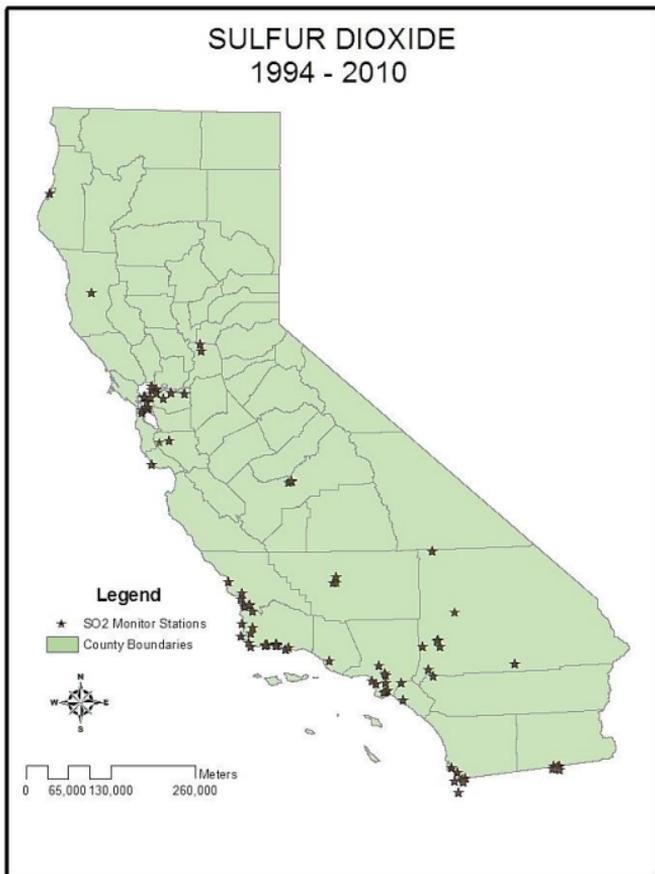
Figure S4. Available NO$_2$ pollutant monitors in California

NITROGEN DIOXIDE
1994 - 2010

Legend
★ NO2 Monitor Stations
County Boundaries

Meters
0   65,000 130,000   260,000
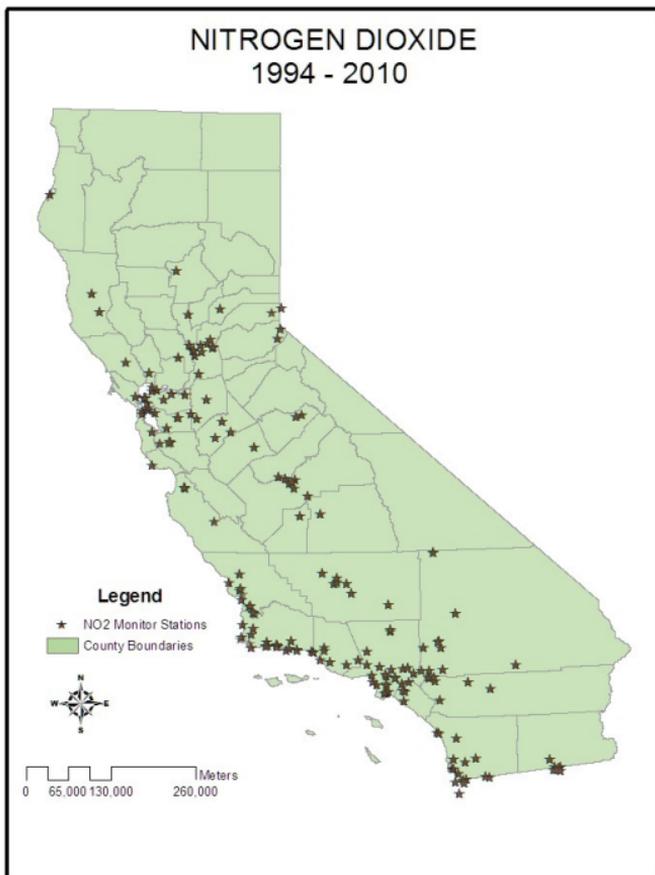
Figure S5. Available O$_3$ pollutant monitors in California

OZONE
1994 - 2010

Legend
★ O3 Monitor Stations
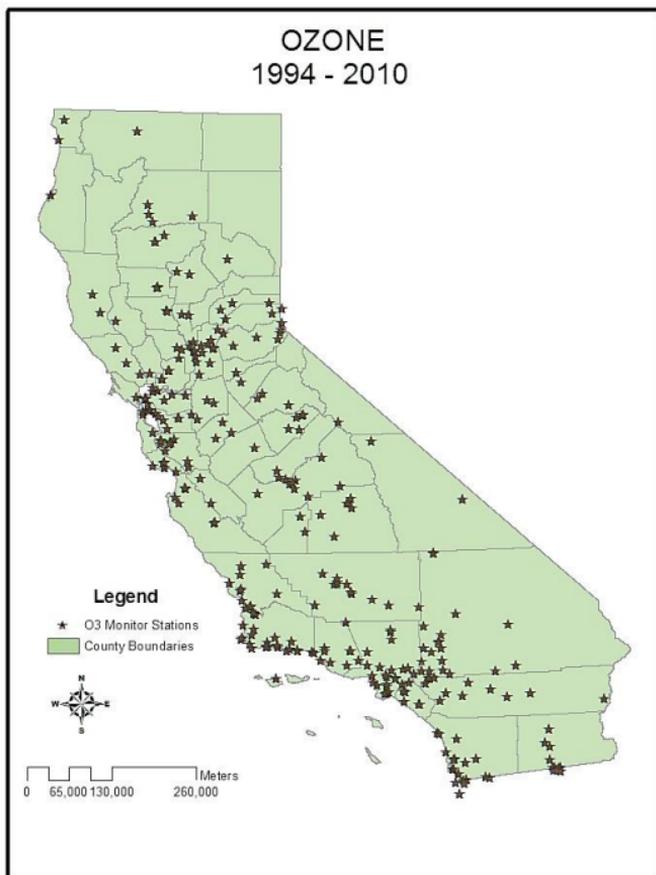County Boundaries

Meters
0   65,000 130,000   260,000

Figure S6. Available CO pollutant monitors in California

CARBON MONOXIDE
1994 - 2010

Legend
★ CO Monitor Stations
County Boundaries

N
W   E
S

Meters
0   65,000 130,000   260,000