

eTable 1: Distribution of Exposure by ILA Category

Exposure	ILA		Indeterminate ILA		No ILA		P value	P value
	N	Mean (SD) or %	N	Mean (SD) or %	N	Mean (SD) or %	(3-way comparison)	(Indeterminate vs No ILA)
Proximity to Road	173		1,066		1,351		0.89	0.76
< 100 m		29.5		28.8		27.5		
100 - <200 m		16.2		13.3		14.7		
200 - < 400 m		21.4		21.4		21.8		
≥400 m		33.0		36.5		36.1		
PM _{2.5} , µg/m ³	161	9.8 (1.5)	954	9.6 (1.4)	1,204	9.7 (1.4)	0.44	0.49
EC, µg/m ³	161	0.46 (0.16)	955	0.44 (0.13)	1,205	0.44 (0.12)	0.17	0.98
O ₃ , ppb	172	38.1 (2.2)	1,062	38.0 (2.3)	1,350	38.1 (2.4)	0.71	0.45

eTable 2: Distribution of Exposure by ILA Progression Category

Exposure	ILA with Progression		ILA without Progression		Indeterminate ILA Progression		No ILA on Either CT		P value	P value
	N	Mean (SD) or %	N	Mean (SD) or %	N	Mean (SD) or %	N	Mean (SD) or %	(4-way comparison)	(Indeterminate vs No ILA on Either CT)
Proximity to Road	116		36		1,035		642		0.61	0.67
< 100 m		31.9		25.0		28.2		26.0		
100 - <200 m		18.1		13.9		13.2		15.0		
200 - < 400 m		18.1		13.9		21.6		22.0		
≥400 m		31.9		47.2		37.0		37.1		
PM _{2.5} , µg/m ³	105	9.8 (1.3)	31	10.1 (0.7)	899	9.6 (1.4)	578	9.7 (1.3)	0.15	0.39
EC, µg/m ³	105	0.46 (0.16)	31	0.45 (0.08)	900	0.44 (0.13)	578	0.44 (0.13)	0.57	0.82
O ₃ , ppb	116	38.2 (2.1)	36	38.0 (2.2)	1,031	38.0 (2.4)	642	38.0 (2.4)	0.73	0.65

eTable 3: Associations of Exposure to Traffic and Pollutants with Odds ILA and ILA Progression INCLUDING Indeterminate CT Findings

	Odds of ILA vs No ILA		<i>Odds of Indeterminate ILA vs No ILA</i>	Odds of ILA with Progression vs No ILA on Either CT		Odds of ILA without Progression vs No ILA on Either CT	<i>Odds of Indeterminate ILA Progression vs No ILA on Either CT</i>
	Model N	OR (95% CI)	OR (95% CI)	Model N	OR (95% CI)	OR (95% CI)	OR (95% CI)
Proximity to Road (vs ≥ 400 m)	2,540			1,803			
< 100 m		1.05 (0.68, 1.63)	1.02 (0.83, 1.26)		1.18 (0.68, 2.04)	-	1.06 (0.81, 1.37)
100 - <200 m		1.20 (0.71, 2.04)	0.92 (0.70, 1.19)		1.62 (0.84, 3.10)	-	0.93 (0.68, 1.28)
200 - < 400 m		1.11 (0.69, 1.78)	0.98 (0.78, 1.23)		0.86 (0.46, 1.60)	-	0.95 (0.72, 1.26)
PM_{2.5}	2,277	1.02 (0.85, 1.22)	0.96 (0.89, 1.04)	1,591	1.07 (0.83, 1.37)	1.31 (0.88, 1.97)	0.96 (0.87, 1.06)
EC	2,279	1.20 (0.99, 1.44)	1.00 (0.90, 1.10)	1,592	1.15 (0.90, 1.46)	1.16 (0.77, 1.74)	0.99 (0.88, 1.12)
O₃	2,534	0.93 (0.80, 1.09)	0.96 (0.90, 1.02)	1,799	1.02 (0.84, 1.24)	0.97 (0.72, 1.31)	1.00 (0.93, 1.08)

* All models were adjusted for age, sex, BMI, smoking status, packyears of smoking, any household smoking during adulthood, median value of owner occupied housing in the census block group in 2000, education, primary occupation, cohort, and date. OR's for ILA without Progression by proximity to road category are not shown due to small sample size and wide confidence intervals. OR's for associations with pollutants scaled per 1.3 $\mu\text{g}/\text{m}^3$ in 2004-2008 PM_{2.5}, 0.14 $\mu\text{g}/\text{m}^3$ in 2004-2008 EC, and 1.8 ppb in 2004-2008 O₃.

eTable 4: Associations of Exposure to Traffic and Pollutants with Odds ILA and ILA Progression EXCLUDING Movers

	Odds of ILA vs No ILA		Odds of ILA with Progression vs No ILA on Either CT		Odds of ILA without Progression vs No ILA on Either CT
	Model N	OR (95% CI)	Model N	OR (95% CI)	OR (95% CI)
Proximity to Road (vs ≥ 400 m)	1,110		603		
< 100 m		0.77 (0.44, 1.35)		1.09 (0.53, 2.25)	-
100 - <200 m		1.05 (0.53, 2.10)		2.06 (0.85, 5.00)	-
200 - < 400 m		1.41 (0.80, 2.47)		1.12 (0.50, 2.47)	-
PM _{2.5}	1,030	0.97 (0.78, 1.21)	561	1.15 (0.85, 1.57)	1.48 (0.88, 2.49)
EC	1,031	1.18 (0.93, 1.51)	561	1.40 (1.02, 1.94)	1.38 (0.82, 2.30)
O ₃	1,109	0.90 (0.75, 1.09)	603	0.91 (0.70, 1.18)	0.95 (0.63, 1.44)

* All models were adjusted for age, sex, BMI, smoking status, packyears of smoking, any household smoking during adulthood, median value of owner occupied housing in the census block group in 2000, education, primary occupation, cohort, and date. OR’s for ILA without Progression by proximity to road category are not shown due to small sample size and wide confidence intervals. OR’s for associations with pollutants scaled per 1.3 µg/m³ in 2004–2008 PM_{2.5}, 0.14 µg/m³ in 2004–2008 EC, and 1.8 ppb in 2004–2008 O₃.

eTable 5: Associations of Exposure to Traffic and Pollutants with Odds ILA and ILA Progression EXCLUDING Current Smokers

Exposures	Odds of ILA vs No ILA		Odds of ILA with Progression vs No ILA on Either CT		Odds of ILA without Progression vs No ILA on Either CT
	Model N	OR (95% CI)	Model N	OR (95% CI)	OR (95% CI)
Proximity to Road (vs ≥ 400 m)	1,397		734		
< 100 m		1.08 (0.65, 1.77)		1.20 (0.62, 2.32)	-
100 - <200 m		1.30 (0.71, 2.37)		2.22 (1.01, 4.88)	-
200 - < 400 m		1.17 (0.69, 2.01)		0.92 (0.44, 1.91)	-
PM _{2.5}	1,248	0.93 (0.75, 1.15)	659	1.18 (0.88, 1.58)	1.75 (0.94, 3.26)
EC	1,249	1.19 (0.94, 1.49)	659	1.38 (1.02, 1.87)	1.34 (0.79, 2.29)
O ₃	1,395	0.93 (0.78, 1.11)	734	0.95 (0.75, 1.21)	0.86 (0.60, 1.23)

* All models were adjusted for age, sex, BMI, smoking status, packyears of smoking, any household smoking during adulthood, median value of owner occupied housing in the census block group in 2000, education, primary occupation, cohort, and date. OR’s for ILA without Progression by proximity to road category are not shown due to small sample size and wide confidence intervals. OR’s for associations with pollutants scaled per 1.3 µg/m³ in 2004-2008 PM_{2.5}, 0.14 µg/m³ in 2004-2008 EC, and 1.8 ppb in 2004-2008 O₃.