Online supplement to **Self Reported Truck Traffic in Street of Residence and Symptoms of Asthma and Allergic Disease: a Global Relationship in ISAAC Phase Three**

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Table 1.

Adjusted[a] association (Odds Ratio, 95% c.i.) between self reported truck traffic in street of residence and eczema and eczema without wheeze in 13-14 yr old children.

	N Cntry	N Centre	N	High[b] OR (95%CI)	Medium[b] OR (95%CI)	Low[b] OR (95%CI)
All Centres	30	65	152973	1.54 (1.37,1.73)	1.30 (1.17,1.45)	1.08 (0.97,1.19)
Eczema						
All Centres	29	63	133443	1.49 (1.31, 1.70)	1.27 (1.12, 1.43)	1.06 (0.95, 1.19)
Eczema without wheeze						

a Adjusted for gender, language and gross national income, maternal education, maternal and paternal smoking, exercise, television watching, fast food, current paracetamol use, siblings and cooking fuel.

b High = almost the whole day vs. never; Medium = frequently during the day vs. never; Low = seldom vs. never

The first line is as in Table 3. The second line is the analysis with those reporting current wheeze removed. Data from one country with 2 centers dropped out because numbers became too small for analysis.

Table 2. Adjusted[a] association (Odds Ratio, 95% c.i.) between self reported truck traffic in street of residence and Rhinoconjunctivitis in 13-14 year old children participating in the ISAAC Phase Three study in different parts of the world

Region	N Cntry	N Center	N	High[b] OR (95%CI)	Medium[b] OR (95%CI)	Low[b] OR (95%CI)
Africa	2	2	2656	1.45 (0.60,3.47)	1.57 (0.58,4.27)	1.13 (0.41,3.10)
Asia-Pacific	6	10	29271	1.40 (1.10,1.78)	1.34 (1.10,1.62)	1.02 (0.86,1.21)
Eastern Mediterranean	2	4	8700	1.35 (0.76,2.40)	1.71 (0.99,2.96)	1.20 (0.71,2.04)
Indian Sub-Continent	1	9	19029	1.57 (1.15,2.14)	1.07 (0.78,1.46)	1.15 (0.87,1.52)
Latin America	10	18	40300	1.32 (1.13,1.55)	1.20 (1.03,1.40)	1.07 (0.93,1.24)
North America	2	2	4525	1.77 (1.07,2.93)	1.23 (0.80,1.90)	1.05 (0.71,1.56)
Northern & Eastern Europe	5	7	18659	1.44 (1.13,1.82)	1.10 (0.88,1.38)	1.00 (0.82,1.23)
Western Europe	2	13	29833	1.39 (1.12,1.72)	1.20 (1.02,1.42)	1.07 (0.91,1.25)

a Adjusted for gender, language and gross national income, maternal education, maternal and paternal smoking, exercise, television watching, fast food, current paracetamol use, siblings and cooking fuel.

b High = almost the whole day vs. never; Medium = frequently during the day vs. never; Low = seldom vs. never

Table 3. Adjusted[a] association (Odds Ratio, 95% c.i.) between self reported truck traffic in street of residence and Rhinoconjunctivitis in 6-7 year old children participating in the ISAAC Phase Three study in different parts of the world

Region	N Cntry	N Center	N	High[b] OR (95%CI)	Medium[b] OR (95%CI)	Low[b] OR (95%CI)
Africa	1	1	833	1.81 (0.14,23.43)	0.53 (0.02,12.19)	1.10 (0.07,16.39)
Asia-Pacific	3	5	13064	1.20 (0.92,1.58)	1.14 (0.91,1.42)	1.01 (0.85,1.20)
Eastern Mediterranean	2	4	7882	1.74 (0.95,3.21)	1.41 (0.79,2.53)	1.00 (0.56,1.77)
Indian Sub-Continent	1	7	16972	1.06 (0.78,1.43)	0.72 (0.54,0.96)	0.66 (0.52,0.85)
Latin America	5	7	15641	1.48 (1.19,1.85)	1.28 (1.05,1.57)	1.09 (0.90,1.31)
Northern & Eastern Europe	3	3	6592	1.49 (0.88,2.53)	1.18 (0.73,1.93)	1.16 (0.73,1.82)
North America	2	2	3076	2.14 (1.32,3.49)	1.81 (1.14,2.86)	1.42 (0.99,2.03)
Oceania	1	4	9541	1.07 (0.78,1.46)	1.10 (0.89,1.37)	0.90 (0.74,1.10)
Western Europe	3	12	26953	1.44 (1.15,1.80)	1.17 (1.00,1.37)	1.04 (0.90,1.21)

a Adjusted for gender, language and gross national income, maternal education, maternal and paternal smoking, exercise, television watching, fast food, current paracetamol use, siblings and cooking fuel.

b High = almost the whole day vs. never; Medium = frequently during the day vs. never; Low = seldom vs. never

Table 4. Adjusted[a] association (Odds Ratio, 95% c.i.) between self reported truck traffic in street of residence and Eczema in 13-14 year old children participating in the ISAAC Phase Three study in different parts of the world

Region	N Cntry	N Centre	N	High[b] OR (95%CI)	Medium[b] OR (95%CI)	Low[b] OR (95%CI)
Africa	2	2	2656	1.44 (0.70,2.98)	1.57 (0.68,3.63)	1.05 (0.45,2.45)
Asia-Pacific	6	10	29271	1.55 (1.15,2.10)	1.34 (1.04,1.74)	1.09 (0.87,1.37)
Eastern Mediterranean	2	4	8700	1.02 (0.44,2.39)	1.26 (0.57,2.80)	0.92 (0.42,2.00)
Indian Sub-Continent	1	9	19029	1.51 (1.03,2.22)	1.64 (1.15,2.35)	1.25 (0.89,1.74)
Latin America	10	18	40300	1.37 (1.12,1.68)	1.12 (0.92,1.38)	0.99 (0.82,1.19)
North America	2	2	4525	3.03 (1.51,6.10)	2.03 (1.08,3.81)	1.79 (1.00,3.19)
Northern & Eastern Europe	5	7	18659	1.51 (1.10,2.07)	1.41 (1.05,1.88)	1.06 (0.80,1.40)
Western Europe	2	13	29833	1.76 (1.36,2.28)	1.24 (1.00,1.54)	1.07 (0.87,1.31)

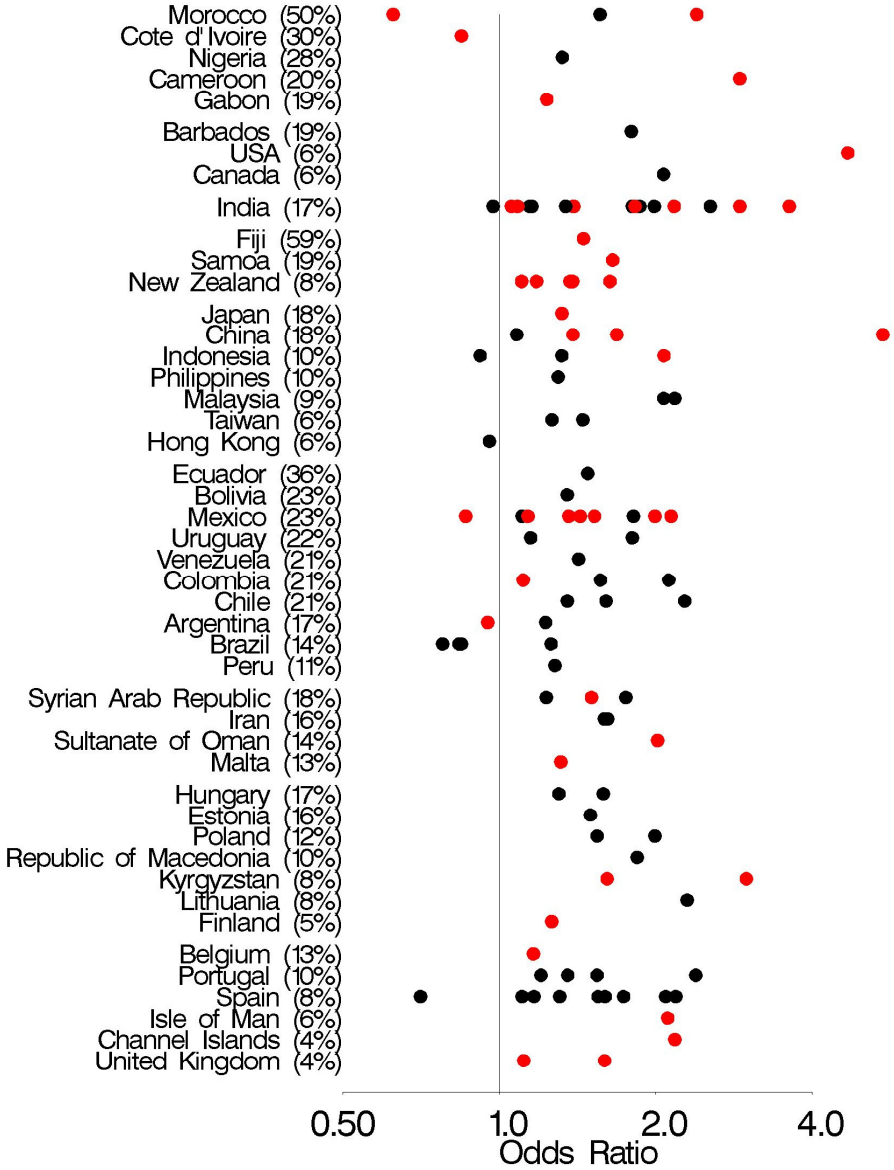
a Adjusted for gender, language and gross national income, maternal education, maternal and paternal smoking, exercise, television watching, fast food, current paracetamol use, siblings and cooking fuel.

b High = almost the whole day vs. never; Medium = frequently during the day vs. never; Low = seldom vs. never

Table 5. Adjusted[a] association (Odds Ratio, 95% c.i.) between self reported truck traffic in street of residence and Eczema in 6-7 year old children participating in the ISAAC Phase Three study in different parts of the world

Region	N Cntry	N Centre	N	High[b] OR (95%CI)	Medium[b] OR (95%CI)	Low[b] OR (95%CI)
Africa	1	1	833	2.06 (0.52,8.15)	0.47 (0.08,2.67)	0.80 (0.17,3.79)
Asia-Pacific	3	5	13064	1.42 (1.17,1.72)	1.20 (1.01,1.44)	1.10 (0.95,1.28)
Eastern Mediterranean	2	4	7882	0.66 (0.30,1.44)	1.08 (0.57,2.06)	0.95 (0.51,1.75)
Indian Sub-Continent	1	7	16972	1.67 (1.11,2.50)	1.63 (1.14,2.33)	1.24 (0.88,1.74)
Latin America	5	7	15641	1.57 (1.23,2.00)	1.33 (1.07,1.67)	1.19 (0.97,1.46)
North America	2	2	3076	1.45 (0.90,2.34)	1.70 (1.12,2.59)	1.33 (0.95,1.85)
Northern & Eastern Europe	3	3	6592	1.21 (0.78,1.87)	1.34 (0.90,1.99)	1.07 (0.74,1.56)
Oceania	1	4	9541	1.25 (0.95,1.64)	0.97 (0.79,1.18)	1.01 (0.85,1.21)
Western Europe	3	12	26953	1.32 (1.07,1.63)	1.09 (0.94,1.26)	0.98 (0.85,1.12)

a Adjusted for gender, language and gross national income, maternal education, maternal and paternal smoking, exercise, television watching, fast food, current paracetamol use, siblings and cooking fuel.

b High = almost the whole day vs. never; Medium = frequently during the day vs. never; Low = seldom vs. never

Online Figure 1. Odds Ratios of Wheeze in 13-14 yr olds for 'Almost the whole day truck traffic' vs 'Never', by center and country. Black dots: centers included in multivariate analysis. Red dots: centers excluded from multivariate analysis. Percentages shown are for 'Almost the whole day truck traffic'.