

Table 12. Research in Sri Lanka*

Citation	Design	Study Location	Study Period	Study Sample	Pollutants	Health Outcomes	Summary of Published Findings
Mistry R, Wickramasingha N, Ogston S, et al. 2004. Wheeze and urban variation in South Asia. <i>Eur J Pediatr</i> 163:145–147.	Cross sectional	Sri Lanka Galle India Chandigarh	—	1737 children (13–14 yr)	General air pollution	Wheezing	Prevalence rates for wheezing in Galle, a busy urban seaport, and Chandigarh, a modern city with little industry, were 28.7% and 12.5%, respectively. ORs showed significant differences in prevalence between Galle and Chandigarh: lifetime wheezing, 2.3 (95% CI, 1.8–2.9); wheezing in the previous year, 2.1 (95% CI, 1.6–2.7); exercise-related wheezing, 4.8 (95% CI, 3.5–6.7); and doctor-diagnosed wheezing, 1.7 (95% CI, 1.2–2.3).
Premaratna R, Pathmeswaran A, Chandrasekara B, et al. 2002. Effects of pollution on health of residents in an industrial area in Sri Lanka. <i>Arch Environ Health</i> 57:579–583.	Cross sectional	Sri Lanka Ja-Ela Ekala Ragama	1997	81 children and 157 adults in an industrial area, 73 children and 146 adults in a control area	Industrial air pollution	Birth weight, wheezing, cough, rhinitis, headache, PEFR, medical consultations	In the industrial area, children were 2.3 and 2.8 times more likely to have unexplained episodic cough and rhinitis, respectively. Adults were 2.1 and 3.7 times more likely to have unexplained episodic cough and unexplained headaches, respectively; they also had significantly greater reductions in PEFR.
Senanayake MP, Rodrigo MD, Malakanthi R. 2004. Blood lead levels of children before and after introduction of unleaded petrol. <i>Ceylon Med J</i> 49:60–61.	Cross sectional	Sri Lanka Colombo	1998, 2003	50 children in 1998, 40 in 2003	Lead	Blood lead concentrations	After the introduction of unleaded gasoline, in 2003, blood lead concentrations in children ranged from 1.67 to 9.7 µg/dL. In a 1998 study, before unleaded gasoline was introduced, concentrations in children averaged 5.21 µg/dL, and 6% had concentrations ≥ 10 µg/dL.

* Last updated September 2007. — = not provided.