

Recent Epidemiological Studies Reporting Respiratory Effects at Low Concentrations

Study	Health Endpoint	Population	Mean 8-hour O ₃ concentrations (ppb)	Maximum 8-hour O ₃ concentrations (ppb)	Location
Chan & Wu, 2005	Lung function	Mail carriers	36 ± 12	65.1	Taiwan
Brauer et al, 1996	lung function	Farm workers	26	54	Fraser Valley, BC
Korrick et al, 1998	Lung function	Hikers	40	74	Mount Washington, NH
Kinney et al, 1996	Lung inflammation	Joggers	63	91	New York City
Triche et al, 2006	Respiratory symptoms	Infants	54.5 ± 13	87.6	Southwestern Virginia
Dales et al, 2006	Hospitalizations for respiratory causes	Newborns	17 (24-hour mean)		11 Canadian cities
Yang et al, 2003	Respiratory hospital admissions	Children < 3 & Elderly	13.41 (24-hour average)		Vancouver, BC
Hoppe et al, 2003	Ozone responders	Children, asthmatics, elderly, & athletes			Germany
Mortimer et al, 2002	Lung function	Children with asthma	48		8 U.S. cities
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Gent et al, 2003	Asthma symptoms	Children with asthma	51.3 ± 15.5	99.6	Southern New England
Kim et al, 2007	Asthma symptoms	Moderate to severe asthmatics	28.2		Seoul, Korea
Tolbert et al, 2000	Emergency room visits for asthma	Children	59.3 ± 19.1	113	Atlanta, GA
Peel et al, 2005	Emergency room visits for respiratory causes		55.6 ± 23.8		Atlanta, GA
Wilson et al, 2005	Emergency room visits for asthma		43.1 ± 13.5		Portland, ME
Medina-Ramon et al, 2006	Respiratory hospital admissions	Medicare recipients	15 to 63		36 U.S. cities
Yang & Chen, 2007	COPD hospital admissions		20.52	62.79	Taipei, Taiwan
Naeher et al, 1999	Lung function	Nonsmoking women	53.7	87.6	Roanoke, VA

**List of Medical Societies and Public Health Organizations
Supporting a
Primary 8-hr Ozone NAAQS of 0.060 ppm**

American Academy of Pediatrics
American Association of Cardiovascular and Pulmonary Rehabilitation
American College of Chest Physicians
American College of Preventive Medicine
American College of Occupational and Environmental Medicine
American Heart Association
American Lung Association
American Medical Association
American Nurses Association
American Public Health Association
American Thoracic Society
Asthma and Allergy Foundation of America
National Association for Medical Direction of Respiratory Care
National Association of City and County Health Officials
Physicians for Social Responsibility
Trust for America's Health
