Study Name and Year	Reason for Exclusion
Air pollution and admissions for acute lower respiratory infections in young children of Ho Chi Minh City S. Mehta et al 2011	Bronchiolitis and pneumonia admissions not separated
Clinical risk factors for life-threatening lower respiratory tract infections in children: A retrospective study in an urban city in Malaysia <i>A.M. Nathan et al</i> 2014	Pneumonia admissions as clinical outcome
Do environmental pollutants influence the onset of respiratory syncytial virus epidemics or disease severity? <i>J. M. Bhatt et al</i> 2004	Review paper
Effect of air pollution on respiratory emergency room visits and hospital admissions S.C.L. Farhat et al 2005	Asthma and bronchiolitis combined
Health effects of air pollution exposure on children and adolescents in Sao Paulo, Brazil <i>A.L.F Braga et al</i> 2001	All acute lower respiratory infections combined
Impact of air pollution on physician office visits for common childhood conditions in Ontario, Canada <i>L. Feldman et al</i> 2014	Air pollution sensitive conditions, does not separate out bronchiolitis visits
Ozone related respiratory morbidity in a low pollution region <i>S. Magzamen et al</i> 2017	Combined acute lower respiratory admissions for ages 0-14 years
Part 4. Interaction between air pollution and respiratory viruses: time series study of daily mortality and hospital admission in Hong Kong <i>C.M Wong et al</i> 2010	All ages of lower respiratory infections included

Residential proximity to large airports and potential health impacts in New York State <i>S. Lin et al</i> 2007	Cross sectional study
Respiratory hospital admissions in young children living near metal smelters, pulp mills and oil refineries in two Canadian provinces <i>A. Brand et al</i> 2016	Asthma and bronchiolitis combined
Seven day cumulative effects of air pollutants increase respiratory ER visits up to threefold <i>C. Schvartsman et al</i> 2016	Lower respiratory obstructive disease in less than 5 year olds, incorrect age group and combination of diseases
Short term risk of hospitalization for asthma or bronchiolitis in children living near an aluminium smelter <i>A.Lewin et al</i> 2013	Combined admissions for asthma and bronchiolitis
Spatial clusters of child lower respiratory illnesses associated with community level risk factors <i>P.I. Beamer et al</i> 2016	Not specific to bronchiolitis and air pollutant chemicals
The effect of traffic related air pollution on infantile bronchiolitis and susceptibility to childhood asthma J.Y Lee et al 2011	Experience of bronchiolitis, no data available
The effects of air pollution on children <i>G. Marcer et al</i> 2000	Respiratory symptoms combined
The effects of short term exposure on hospital admissions for acute lower respiratory infections in young children of Ho Chi Minh City, Vietnam <i>L. Ngo et al</i> 2011	All acute lower respiratory infections combined

A preliminary assessment of the role of ambient nitric oxide exposure in hospitalization with respiratory syncytial virus bronchiolitis <i>N.I. Mohammed et al</i> 2016	Looked at Nitric Oxide only, ineligible pollutant
Air pollution and acute respiratory infections among children 0-4 years of Age: An 18 year time- series study <i>L.A. Darrow et al</i> 2014	Bronchiolitis and bronchitis admissions combined
Air pollution and environmental tobacco smoking during infancy may increase the risk of bronchiolitis <i>B. Kim et al</i> 2006	Incorrect ages and too retrospective
Early life exposure to outdoor air pollution and respiratory health, ear infections, and eczema in infants from the INMA study <i>I. Aguilera et al</i> 2013	Doctor diagnosed lower respiratory infection not specific to bronchiolitis
Effects of fine particles on children's hospital admissions for respiratory health in Seville, Spain <i>M de P. Pablo-Romero</i> 2014	Looked at city wide levels of pollution rather than to specific admission
Exposure to traffic and early life respiratory infection: a cohort study <i>M. B. Rice</i> 2014	All acute lower respiratory infection not specific to bronchiolitis
Fine Particulate Matter Pollution linked to respiratory illness in infants and increased hospital costs <i>P. Sheffield</i> 2011	Cross sectional study
Haze is a risk factor contributing to the rapid spread of respiratory syncytial virus in children <i>Q. Ye</i> 2016	Examines at geographical level

Modifiable demographic factors that differentiate bronchiolitis from pneumonia in Nepalese children less than two years – a hospital based study <i>Malla T et al</i> 2014	General outdoor air pollution – non specific to pollutants
Modifiable risk factors associated with bronchiolitis <i>R. Nenna et al</i> 2017	General outdoor air pollution – non specific to pollutants
Outdoor, but not indoor, nitrogen dioxide exposure is associated with persistent cough during the first year of life <i>A. Esplugues et al</i> 2011	Looked at respiratory problems not at outcome of interest
Respiratory syncytial virus bronchiolitis, weather conditions and air pollution in an Italian urban area: An observational study <i>R.Nenna et al</i> 2017	Association was between temperature and pollution levels in known RSV seasons
Respiratory Syncytial virus infection in infants and correlation with meteorological factors and air pollutants <i>S. Vandini et al</i> 2013	Not examine clinical outcome
Association of acute bronchiolitis with environmental variables <i>A. Zamorano et al</i> 2003	City wide levels of pollutants examined
Air pollution and acute respiratory diseases in children: regression analysis of morbidity data <i>M. Biesiada et al</i> 2000	Bronchitis and bronchiolitis cases combined
Effect of air pollution upon the hospitalisation for acute lower respiratory tract infections among the Bucharest municipality's residents <i>Ion-Nedelcu et al</i> 2008	Not age specific examines 0-14 year olds

Effect of environmental air pollutants on wheezing airways respiratory infections in emergency room <i>F. Orazzo et al</i> 1998	Definition of bronchiolitis is for wheezing disorder
Exposure to fine particles and bronchiolitis in infants <i>Nicolle Mir</i> 2009	Same paper as written by Karr et al in 2009 that has been included
Exposure to vehicular traffic is associated to a higher risk of hospitalisation for bronchiolitis during the first year of life <i>M. Lanari et al</i> 2016	Vehicular traffic not specific pollutants
Impact of air pollution in paediatric consultations in primary health care: Ecological Study <i>R. Martin Martin et al</i> 2017	Unclear definition of bronchiolitis
Influence of respiratory viruses, cold weather and air pollution in the incidence of lower respiratory tract infections in infants children <i>L.F. Avendano et al</i> 1999	Combines respiratory syncytial virus across all ages
Relationship of hospital admissions with respiratory syncytial virus (RSV) bronchiolitis to environmental nitric oxide <i>J.M. Bhatt et al</i> 2000	Looking at nitric oxide, incorrect pollutant
The influence of respiratory syncytial virus infections and environmental conditions on pediatric health care demand during winter-2002 in Santiago, Chile <i>L.F. Avendano et al</i> 2003	Not look at bronchiolitis separately