"The widespread exposure of large numbers of children to heavily polluted air in developing countries has skyrocketed." World Resources Institute 1999

nower plants, factories and vehicles spew out harmful gases and small particles that can penetrate deep into children's lungs. In strong sunlight, oxides of nitrogen from vehicle exhaust fumes form ozone at ground level, which can trigger asthma attacks.

Air pollution does not respect national borders. Heavy metals and persistent organic pollutants are carried by winds, contaminating water and soil far from their origin. In the late 1990s, forest fires, mainly in Indonesia, caused a haze of smoke to hang for months over neighbouring South-East Asian countries. Schools and kindergartens were forced to close, while local hospitals reported large numbers of hazerelated illnesses in young children.

The Great London Smog of 1952 focused the world's attention on the problem of air pollution, and since then there has been a marked improvement in air quality in developed countries. Nevertheless, every year outdoor air pollution is responsible for the death of hundreds of children in Europe, and of more than 24 000 globally.

Industrial growth and rapid urbanization aggravate the problem, with the pressure felt most acutely in the megacities of the developing world. Use of cleaner fuels and technologies, refined motor engines, and public transport are crucial in ensuring that children breathe clean air.

Polluted Cities: The Air Children Breathe





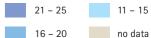


Dirty air: the silent killer

Average concentration of small particles (PM₁₀) in outdoor urban air by WHO sub-region

micrograms per cubic metre (µg/m³)

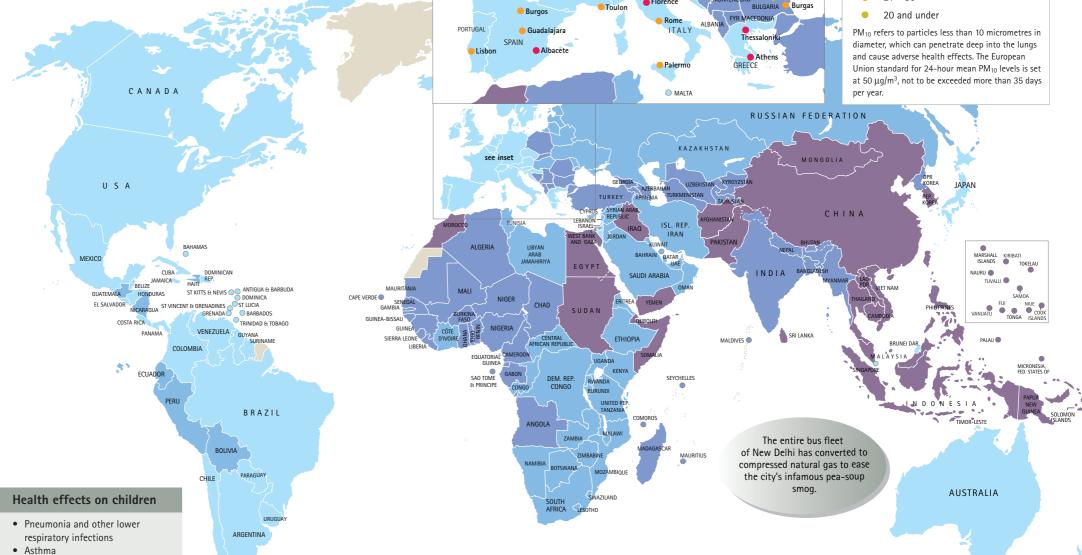




Average concentration of small particles (PM₁₀) in selected European cities

micrograms per cubic metre (μg/m³)

- over 30
- 21 30



- · Low birth weight

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