



## Public health, environmental and social determinants of health (PHE)

### Database: outdoor air pollution in cities

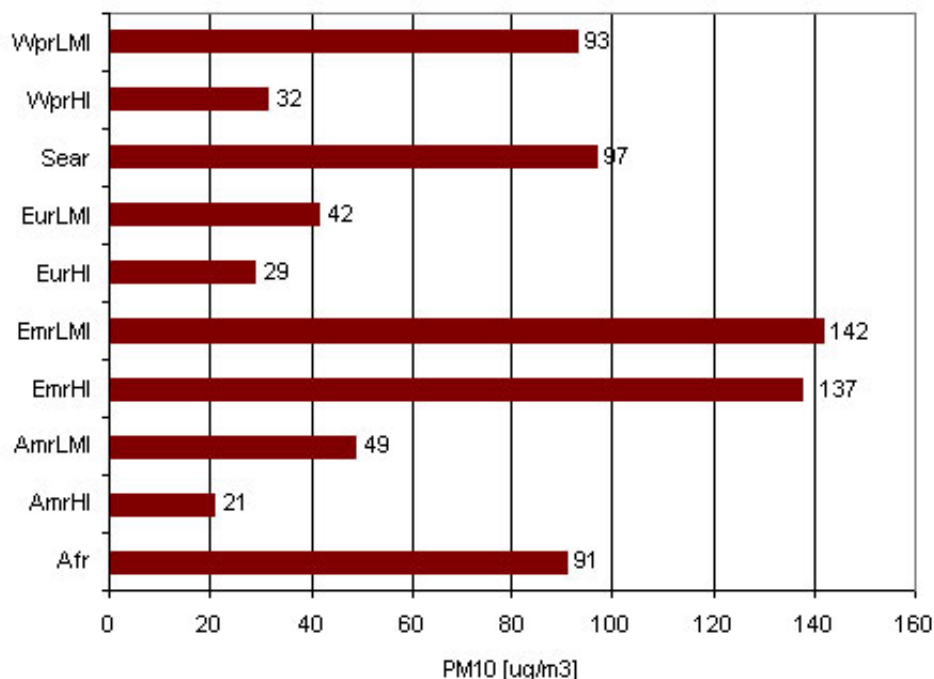
The database contains results of urban outdoor air pollution monitoring from almost 1100 cities in 91 countries. Air quality is represented by annual mean concentration of fine particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>, i.e. particles smaller than 10 or 2.5 microns).

The database covers the period from 2003 to 2010, with the majority of values for the years 2008 and 2009. The primary sources of data include publicly available national/subnational reports and web sites, regional networks such as the Asian Clean Air Initiative and the European Airbase, and selected publications. The database aims to be representative for human exposure, and therefore primarily captures measurements from monitoring stations located in urban background, urban traffic, residential, commercial and mixed areas.

The world's average PM<sub>10</sub> levels by region range from 21 to 142 ug/m<sup>3</sup>, with a world's average of 71 ug/m<sup>3</sup>.

#### Annual mean PM<sub>10</sub> in cities, by region

Based on database, 2003 to 2010



Afr: Sub-Saharan Africa; Amr: Americas; Emr: Eastern Mediterranean; Eur: Europe; Sear: South-East Asia; Wpr: Western Pacific; HI: High income; LMI: Low and middle income; PM<sub>10</sub>: Fine particulate matter of 10 microns or less.

Additional details on the database are provided in the "Methods used for

compiling the urban outdoor air pollution database".

[Go to the urban outdoor air pollution database, by country and city  
\(corrected version\)](#)  
xls, 490kb

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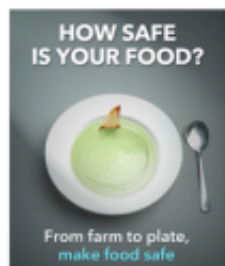
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