

*Quantification of disease from outdoor air pollution, one city*

*Results are in orange fields. Generally, lower, central and upper estimates are provided. In certain cases, alternative results are provided, which are an expression of the uncertainty related to the results, and should be interpreted accordingly.*

**Mortality related to short-term exposure: all ages**

	<b>beta</b>	<b>Relative risk*</b> RR=exp[beta(X-X <sub>0</sub> )]	<b>Attributable fraction</b> AF=(RR-1)/RR	<b>Attributable mortality</b> AM = AF * deaths
Lower estimate	0.0006	1.001	0.001	0.323
<b>Central estimate</b>	0.0008	1.001	0.001	0.430
Higher estimate	0.0010	1.001	0.001	0.538

\* The highest RR value should possibly not exceed 1.071, as the evidence of RR at PM10 values above 125 ug/m3 is limited

**Mortality related to short-term exposure: children < 5 years**

	<b>beta</b>	<b>Relative risk*</b> RR=exp[beta(X-X <sub>0</sub> )]	<b>Attributable fraction</b> AF=(RR-1)/RR	<i>Applied to</i> <b>respiratory mortality</b> Attributable mortality AM = AF * deaths	<i>Applied to</i> <b>all-cause mortality</b> Attributable mortality AM = AF * deaths
Lower estimate	0.00034	1.000	0.000	0.013	0.023
<b>Central estimate</b>	0.00166	1.002	0.002	0.064	0.112
Higher estimate	0.0030	1.004	0.004	0.115	0.203

**Cardiopulmonary mortality related to long-term exposure: adults >30 years**

***Recommended log-linear relationship***

	<b>beta</b>	<b>Relative risk*</b> RR=[(X+1)/(X <sub>0</sub> +1)]exp beta	<b>Attributable fraction</b> AF=(RR-1)/RR	<b>Attributable mortality</b> AM = AF * deaths
Lower estimate	0.0562	1.001	0.001	0.058
<b>Central estimate</b>	0.1552	1.003	0.003	0.161
Higher estimate	0.2541	1.004	0.004	0.264

**Alternative linear relationship**

	<b>beta</b>	<b>Relative risk*</b> RR=exp[beta(X-Xo)]	<b>Attributable fraction</b> AF=(RR-1)/RR	<b>Attributable mortality</b> AM = AF * deaths
Lower estimate	0.0032	1.003	0.003	0.155
<b>Central estimate</b>	0.0089	1.007	0.007	0.428
Higher estimate	0.0146	1.011	0.011	0.701

**Lung cancer mortality related to long-term exposure: adults >30 years**

**Recommended log-linear relationship**

	<b>beta</b>	<b>Relative risk*</b> RR=[(X+1)/(Xo+1)]exp beta	<b>Attributable fraction</b> AF=(RR-1)/RR	<b>Attributable mortality</b> AM = AF * deaths
Lower estimate	0.0856	1.001	0.001	0.005
<b>Central estimate</b>	0.2322	1.004	0.004	0.015
Higher estimate	0.3787	1.006	0.006	0.024

**Alternative linear relationship**

	<b>beta</b>	<b>Relative risk*</b> RR=exp[beta(X-Xo)]	<b>Attributable fraction</b> AF=(RR-1)/RR	<b>Attributable mortality</b> AM = AF * deaths
Lower estimate	0.0043	1.003	0.003	0.013
<b>Central estimate</b>	0.0127	1.010	0.010	0.037
Higher estimate	0.0210	1.017	0.016	0.061