

Table 7 presents the rates of mortality attributable to PM_{2.5} in terms of total deaths and YLL among adults aged ≥ 30 years. To inform policy-making, three different scenarios indicate the health benefits that could be gained through policy actions to achieve different cut-off concentrations of PM_{2.5}. For example, Table 7 shows that reducing the concentration of PM_{2.5} could substantially decrease the number of deaths attributable to it in the 11 Serbian cities analysed. Thus, the three scenarios (reductions by 5, 10 and 20 $\mu\text{g}/\text{m}^3$) would reduce the numbers of deaths from 3585 to 2737, 1862 and 301, respectively. In Belgrade, a reduction by 20 $\mu\text{g}/\text{m}^3$ would drastically reduce mortality due to air pollution, theoretically to zero deaths. The number of YLL due to PM_{2.5} air pollution calculated over 10 years would be 150 865 in the 11 Serbian cities analysed, including 75 261 in Belgrade. The three scenarios would decrease the number of YLL to 114 539, 77 515 and 12 508, respectively.

Table 7. Mortality attributable to PM_{2.5} in 11 Serbian cities: mean concentrations, estimated numbers of attributable deaths and YLL over 10 years from all (natural) causes, adults aged ≥ 30 years

City	Current situation			Reduction by 5 $\mu\text{g}/\text{m}^3$			Reduction by 10 $\mu\text{g}/\text{m}^3$			Reduction by 20 $\mu\text{g}/\text{m}^3$		
	Mean ($\mu\text{g}/\text{m}^3$)	Estimated deaths (cut-off = 10 $\mu\text{g}/\text{m}^3$)	YLL	Mean ($\mu\text{g}/\text{m}^3$)	Estimated deaths	YLL	Mean ($\mu\text{g}/\text{m}^3$)	Estimated deaths	YLL	Mean ($\mu\text{g}/\text{m}^3$)	Estimated deaths	YLL
Beočin	22.2	14	623	17.2	8	372	12.2	3	116	2.2	0	0
Belgrade	29.2	1 796	75 261	24.2	1 348	56 183	19.2	886	36 740	9.2	0	0
Kosjerić	31.1	25	928	26.1	20	713	21.1	14	495	11.1	1	49
Kragujevac	30.5	250	10 701	25.5	192	8 175	20.5	132	5 599	10.5	7	297
Lazarevac	34.2	104	4 237	29.2	84	3 392	24.2	63	2 531	14.2	19	761
Niš	29.2	354	14 865	24.2	266	11 106	19.2	175	7 275	9.2	0	0
Novi Sad	22.8	280	11 849	17.8	174	7 296	12.8	64	2 656	2.8	0	0
Obrenovac	31.9	117	4 975	26.9	92	3 876	21.9	66	2 757	11.9	11	452
Smederevo	39.3	223	9 593	34.3	187	8 036	29.3	151	6 447	19.3	75	3 173
Užice	44.4	180	7 757	39.4	156	6 692	34.4	131	5 606	24.4	80	3 370
Valjevo	44.6	242	10 076	39.6	210	8 698	34.6	177	7 294	24.6	108	4 406
Total	32.7	3 585	150 865	27.7	2 737	114 539	22.7	1 862	77 515	12.7	301	12 508

Note. Concentrations are rounded to one decimal point; PM_{2.5} values were converted from PM₁₀ with a coefficient of 0.65.