

	This study	Lelieveld (2017) and Lelieveld et al. (2015)	GBD MAPS Working Group (2018)	Conibear et al. (2018)	Ghude et al. (2016)	Giannadaki et al. (2016)
Model application	Source-oriented CMAQ	EMAC	GEOS-Chem	WRF-Chem	WRF-Chem	EMAC
Source apportionment	Tagged tracer	Zero-out	Zero-out	Zero-out		
Emission inventory	EDGAR	EDGAR	Own inventories	EDGAR	EDGAR	EDGAR
Resolution	36 km	~ 110 km	56 × 74 km	30 km	36 km	~ 110 km
PWC ($\mu\text{g m}^{-3}$)	32.8		74.3	57.2		
Mortality estimation	IER	IER	IER	IER	IER	IER
Excess mortality (million)	1.04 (0.53, 1.54)	0.65	1.09	0.99	0.57	0.58
COPD (%)	17.7	17.3	~ 30	31.2	20.5	11.9
LC (%)	1.3	2.1	~ 2	2.6	0.5	5.1
IHD (%)	38.8	45.7	~ 40	34.8	43.9	34.3
CEVD (%)	42.4	34.9	~ 18	11.6	35.1	41.6
Source contributions (%)						
Energy	6.8	14	7.6	21		
Industry	19.7	7	7.5	16		
Residential areas	55.5	50	24.6	52		
Agriculture	11.9	6		0		
Traffic	1.9	5	2.1	10		
Dust	4	11	28.7	0		