

Poland

It is estimated that cleaner air in Poland resulting from the achievement of a '30% internal' rather than a 20% reduction in emissions would result in public health benefits of between €1.4 billion and €4 billion per year from 2020.

Annual health benefits include:

- An increase in life expectancy of 19,000 years spread across the population.

- Better health and lower health costs: 1.7 million fewer days of restricted activity; 164,000 fewer days when people need to use respiratory medication; 19,000 fewer consultations for upper respiratory symptoms and asthma.

Other benefits: A more productive workforce - 397,000 fewer working days lost annually due to cardiac and respiratory problems.

Impact assessment, all figures per year	Baseline in 2020	Reduction in EU damage in 2020 compared to the baseline for	
		Cut of 30% with flexibility	-30% internal cut
	Following 20% cut	Cut of 30% with flexibility	-30% internal cut
Mortality - Life years lost, people aged >29	218,885	8,933	18,631
Deaths in infants (1 to 11 months)	35	1	3
Chronic bronchitis, cases	11,065	391	816
Cardiac and respiratory hospital admissions	5,882	240	501
Restricted activity days (RADs), working age population	19,302,292	832,172	1,735,674
Of which, working days lost	4,246,504	190,567	397,469
Days with respiratory medication use by adults and children	1,972,078	79,060	164,897
Days with lower respiratory symptoms among adults and children	25,607,388	1,111,125	2,317,489
Consultations for asthma and upper respiratory symptoms	232,706	7,598	18,906

Economic assessment, €millions/year	Benefit from 30% with flexibility cut in GHGs in 2020	Benefit from 30% internal cut in GHGs in 2020
Mortality – lower bound (lower estimate of VOLY applied)	467	973
Mortality – upper bound (upper estimate of VSL applied)	1,733	3,615
Morbidity	205	428
Total, lower bound mortality valuation	672	1,401
Total, upper bound mortality valuation	1,938	4,042