

Italy

It is estimated that cleaner air in Italy resulting from the achievement of a '30% internal' rather than a 20% reduction in emissions would result in public health benefits of between €1.2 billion and €3.4 billion per year from 2020.

Annual health benefits include:

- An increase in life expectancy of 16,000 years spread across the population.

- Better health and lower health costs: 1.5 million fewer days of restricted activity; 138,000 fewer days when people need to use respiratory medication; 16,000 fewer consultations for upper respiratory symptoms and asthma.

Other benefits: A more productive workforce - 333,000 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	303,653	7,486	15,614
Deaths in infants (1 to 11 months)	48	1	3
Chronic bronchitis, cases	15,350	328	684
Cardiac and respiratory hospital admissions	8,160	201	420
Restricted activity days (RADs), working age population	26,777,506	697,417	1,454,613
Of which, working days lost	5,891,051	159,709	333,106
Days with respiratory medication use by adults and children	2,735,807	66,258	138,195
Days with lower respiratory symptoms among adults and children	35,524,381	931,199	1,942,215
Consultations for asthma and upper respiratory symptoms	322,826	7,597	15,845

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)	391	816
Mortality – upper bound (upper estimate of VSL applied)	1,453	3,030
Morbidity	172	358
Total, lower bound mortality valuation	563	1,174
Total, upper bound mortality valuation	1,624	3,388