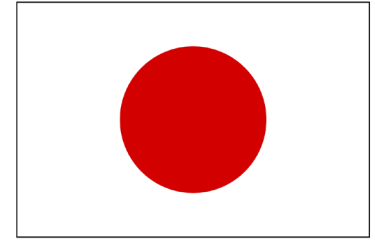


# STATE OF GLOBAL AIR /2019



**49,600 deaths**  
due to air pollution  
in 2017

**About 4 months'**  
loss in life  
expectancy  
at birth due to air  
pollution exposure

**12 µg/m<sup>3</sup>**  
population-weighted  
average PM<sub>2.5</sub>  
concentration

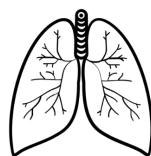
**67 ppb** population-  
weighted seasonal  
average ozone

## Japan

**Air pollution is the 8th leading risk factor for mortality in Japan, accounting for more than about 4% of deaths (49,600) in 2017 alone.**

Air pollution exposures, including exposure to outdoor particulate matter (PM<sub>2.5</sub>), have been linked with increased hospitalizations, disability, and early death from respiratory diseases, heart disease, stroke, lung cancer, and diabetes. Exposure to ambient ozone is linked to COPD.

*Percentage of deaths by cause attributed to air pollution in Japan.*



**30 percent**  
of COPD deaths



**17 percent**  
of diabetes  
deaths



**8 percent**  
of ischemic heart  
disease deaths



**8 percent**  
of lung cancer  
deaths

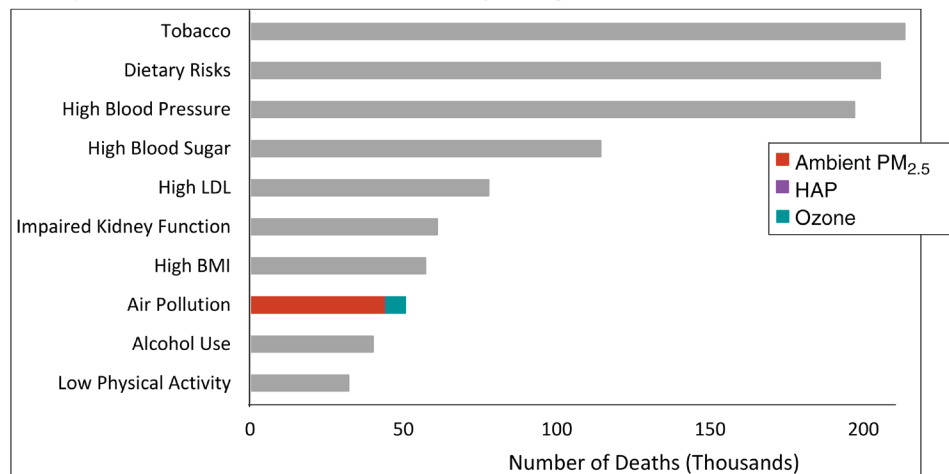


**5 percent**  
of stroke deaths

## Key Facts

- Air pollution is the 8th leading risk factor in Japan in 2017.
- More than 80% of the population lives in areas with PM<sub>2.5</sub> concentrations above the WHO's Air Quality Guideline of 10 µg/m<sup>3</sup>, but the entire Japanese population lives below the WHO's least-stringent air quality target of 35 µg/m<sup>3</sup>.
- There were 44,200 deaths due to exposure to outdoor PM<sub>2.5</sub> and 6,250 deaths due to exposure to ozone.
- Exposure to outdoor PM accounted for a loss of 4 months in life expectancy.

*Leading risk factors for death and disability in Japan in 2017.*



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For more details, please visit  
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IHME



The State of Global Air website is a collaboration between the Health Effects Institute and the Institute for Health Metrics and Evaluation, with expert input from the University of British Columbia



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