

# STATE OF GLOBAL AIR /2019



**99,400 deaths**  
due to air pollution  
in 2017

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

**16  $\mu\text{g}/\text{m}^3$**   
population-weighted average  $\text{PM}_{2.5}$  concentration

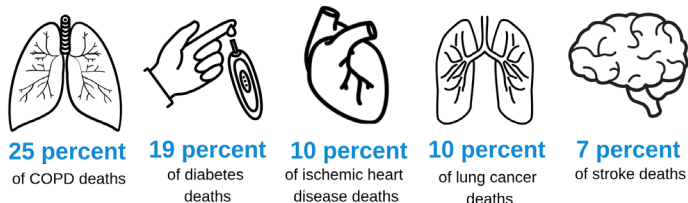
**51 ppb** population-weighted seasonal average ozone

## Russian Federation

**Air pollution is the 9th leading risk factor for mortality in Russia, accounting for more than 5% of deaths (99,400) in 2017 alone.**

Air pollution exposures, including exposure to outdoor particulate matter ( $\text{PM}_{2.5}$ ), have been linked to increased hospitalizations, disability, and early death from respiratory diseases, heart disease, stroke, lung cancer, and diabetes. Exposure to ambient ozone is linked to COPD.

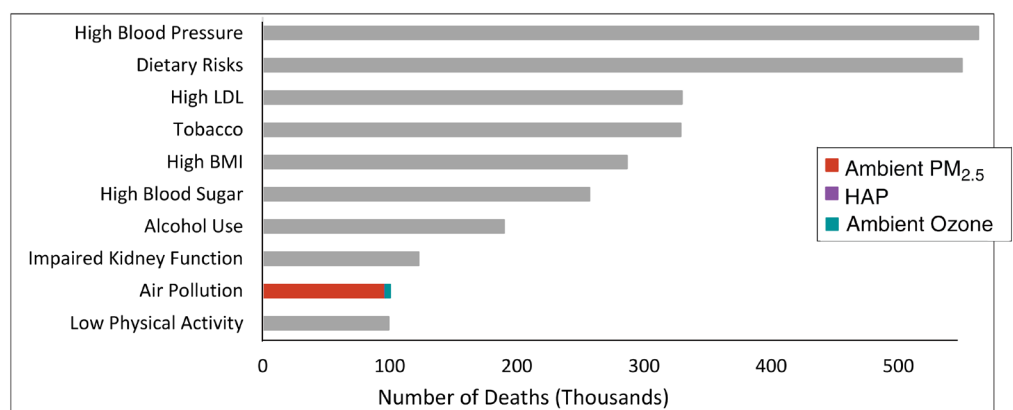
*Percentage of deaths by cause attributed to air pollution in the Russian Federation.*



## Key Facts

- Air pollution is the 9th leading risk factor in Russia in 2017. Individually, outdoor air pollution is ranked as the 12th leading risk factor.
- Just under 1% of Russians live in areas with  $\text{PM}_{2.5}$  concentrations above the WHO's least-stringent target of  $35 \mu\text{g}/\text{m}^3$ , but nearly 92% of the population live in areas with  $\text{PM}_{2.5}$  concentrations above the WHO Air Quality Guideline for healthy air ( $10 \mu\text{g}/\text{m}^3$ ).
- In 2017, 96,200 deaths were due to exposure to ambient  $\text{PM}_{2.5}$ , and 3,460 deaths were due to ambient ozone.
- Exposure to outdoor PM accounted for a loss of 9 months in life expectancy.

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



@HEISoGA

For more details, please visit  
[www.stateofglobalair.org](http://www.stateofglobalair.org)

Contact us  
[soga@healtheffects.org](mailto:soga@healtheffects.org)



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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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