

# In USA, the Energy Industry releases GHG contributing to climate change, which leads what affects the health of its population

Emissions from United States contribute 14.4% to global emissions of CO2

Source: World Resources institute

88% of these emissions are from **Energy** from residential, commercial, industrial, transportation and electricity use in the country.

Source: Monthly Energy Review, April 2017.



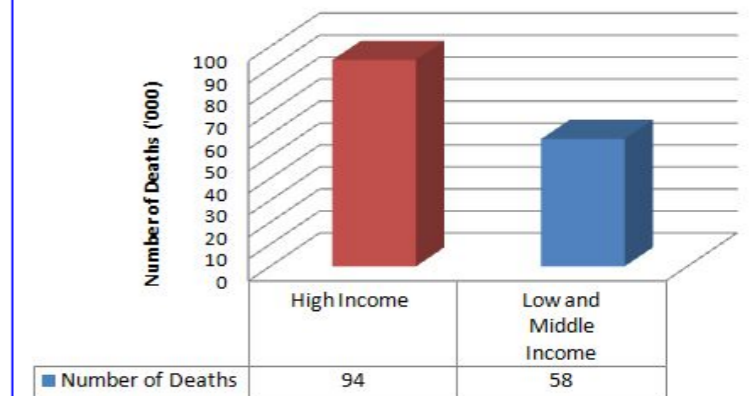
## The health of the American population has been affected by the air pollutants



Most vulnerable populations

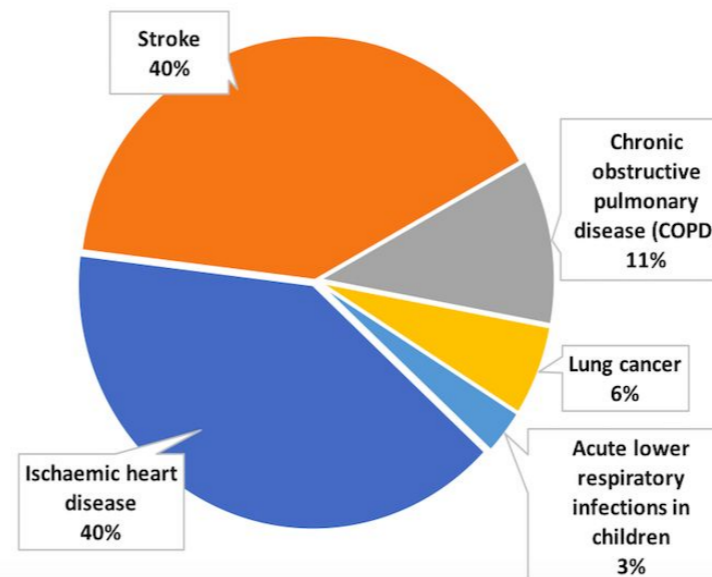
- The poor
- The elderly
- The children

### Total deaths in 2012



Source: World Health Organization

### Air pollution-caused deaths – breakdown by disease:



Source: The Potential Health Impacts of Climate Variability and Change for the United States.

**PARTICULATE MATTER** is described by the Environmental Protection Agency (EPA) as a “complicated mixture of small particles and liquid droplets, it is made up of the soot created by our industrial world.”

- **Acids** (sulfates and nitrates)
- **Organic Chemicals**
- **Metals**
- **Soil or Dust Particles**

Source: Health Effects of Fine Particulate Air Pollution: Lines that Connect

“Health effects associated with climate impacts on air pollution will depend on future air pollution levels”

Source: The Potential Health Impacts of Climate Variability and Change for the United States.