CLIMATE CHANGE & AIR POLLUTION IS THE #1 threat TO GLOBAL HEALTH
(WORLD HEALTH ORGANIZATION)

Traffic pollution is associated with:
NEURODEVELOPMENTAL DELAY
COGNITIVE IMPAIRMENT
ALTERED BRAIN ANATOMY

2000
Air pollution from diesel exhaust was first linked to brain function at the turn of the 21st Century.

2020
The Lancet Commission added air pollution to the list of modifiable risk factors for Alzheimer’s.

Today
Air pollution is responsible for 6 million deaths per year.

Toxins enter directly into the brain via the nose.
They also enter the bloodstream via the lungs.

Particulate Matter, Nitrogen Dioxide & Heat Trapping Gases are the key pollutants associated with Alzheimer’s disease & ALS.

STATE OF MICHIGAN: CORRELATION BETWEEN SUPERFUND SITES & PREVALENCE OF ALS

Location of major emissions of toxic substances in Michigan. Facilities from the Toxic Release Inventory (TRI) System for 2011 and locations of National Priority List (NPL) Superfund sites are shown.

Age-adjusted death rates for motor neuron disease a.k.a ALS (ICD-10: G 12 2) in Michigan from 1999 to 2010. Rates expressed per 100,000 population using 2000 US standard population.

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