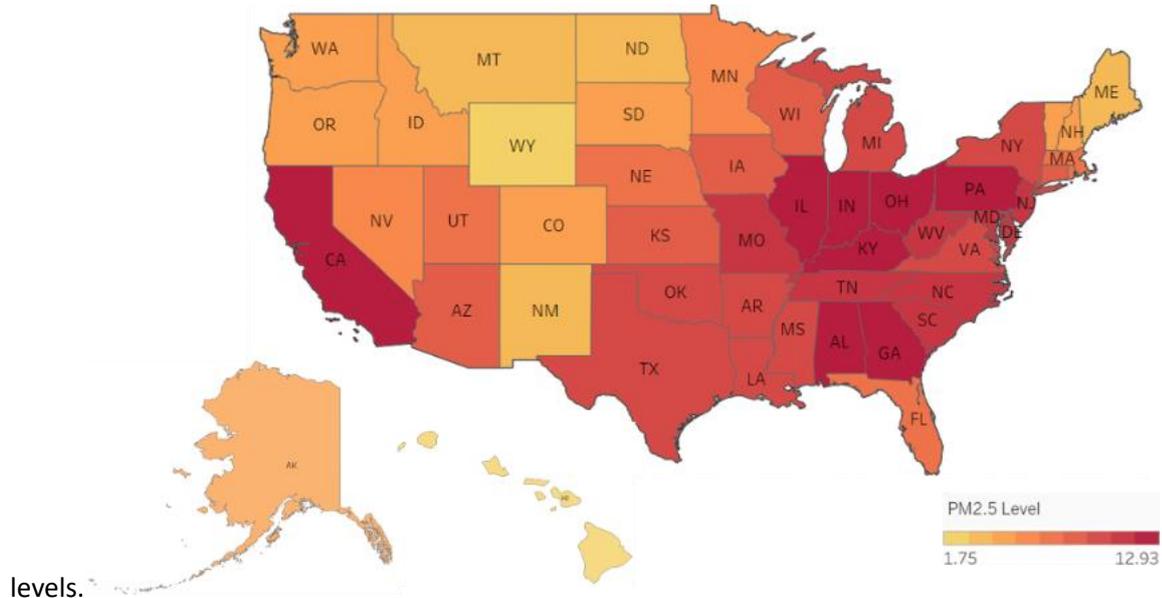


Supplementary Figure 1: Heat map of the USA depicting state-wise particulate matter pollution



Units represent Summary Exposure Values unless otherwise specified. Data reflect state-level annual averages from 1990–2021. Seasonal fluctuations are not captured in this dataset, and ecological bias should be considered when interpreting results.

PM<sub>2.5</sub>: particulate matter with a diameter of 2.5  $\mu\text{m}$  or less.