

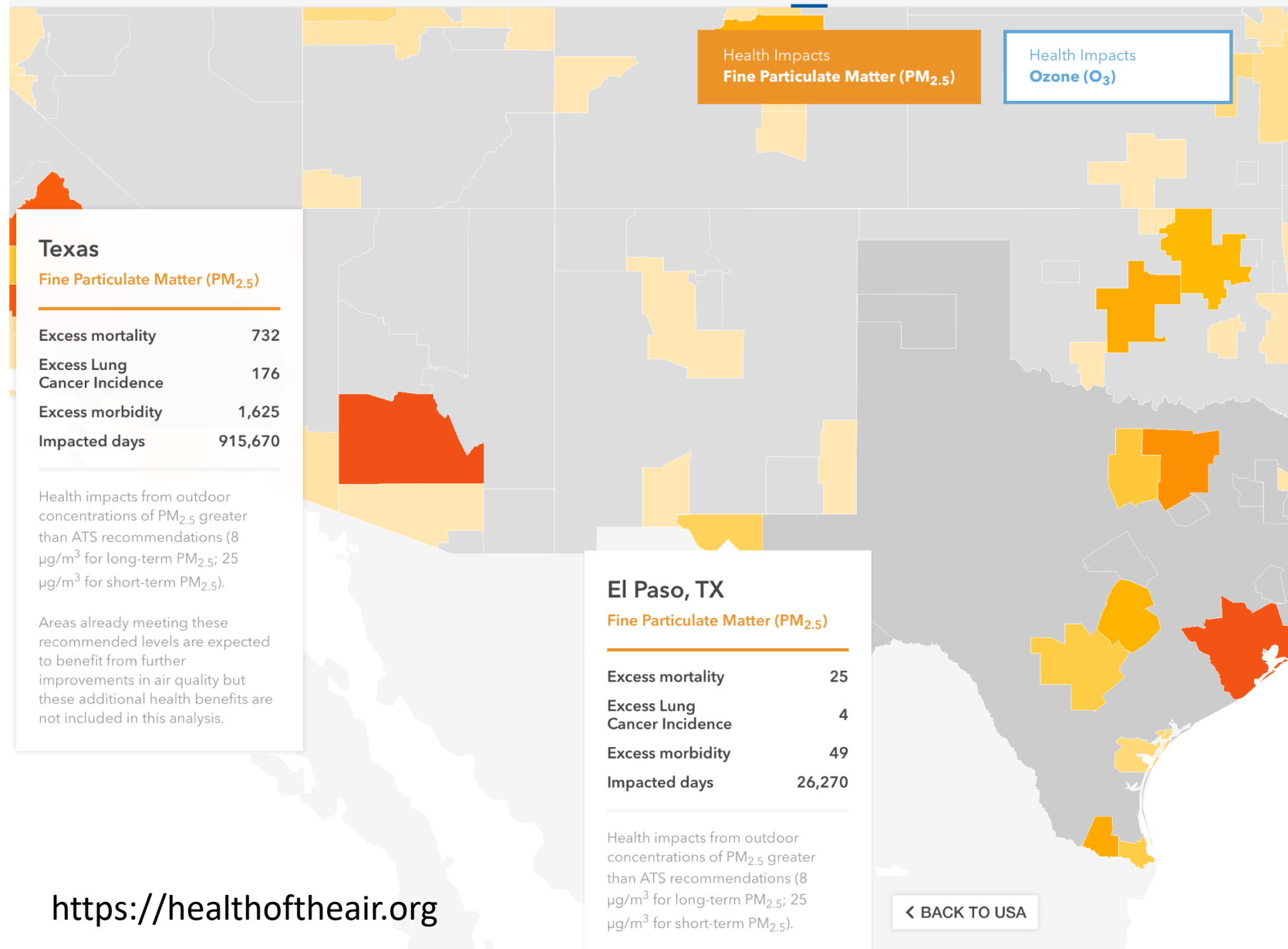
Fine Particulate Matter Pollution in the Paso del Norte Region

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Fine Particulate Matter causes premature deaths, hospitalizations, and respiratory illnesses in the Paso del Norte region

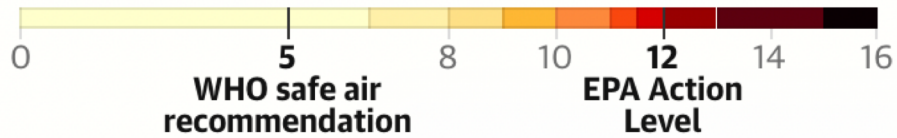


<https://healthoftheair.org>

America's dirty divide

Do you live in an air pollution hotspot? Search our map

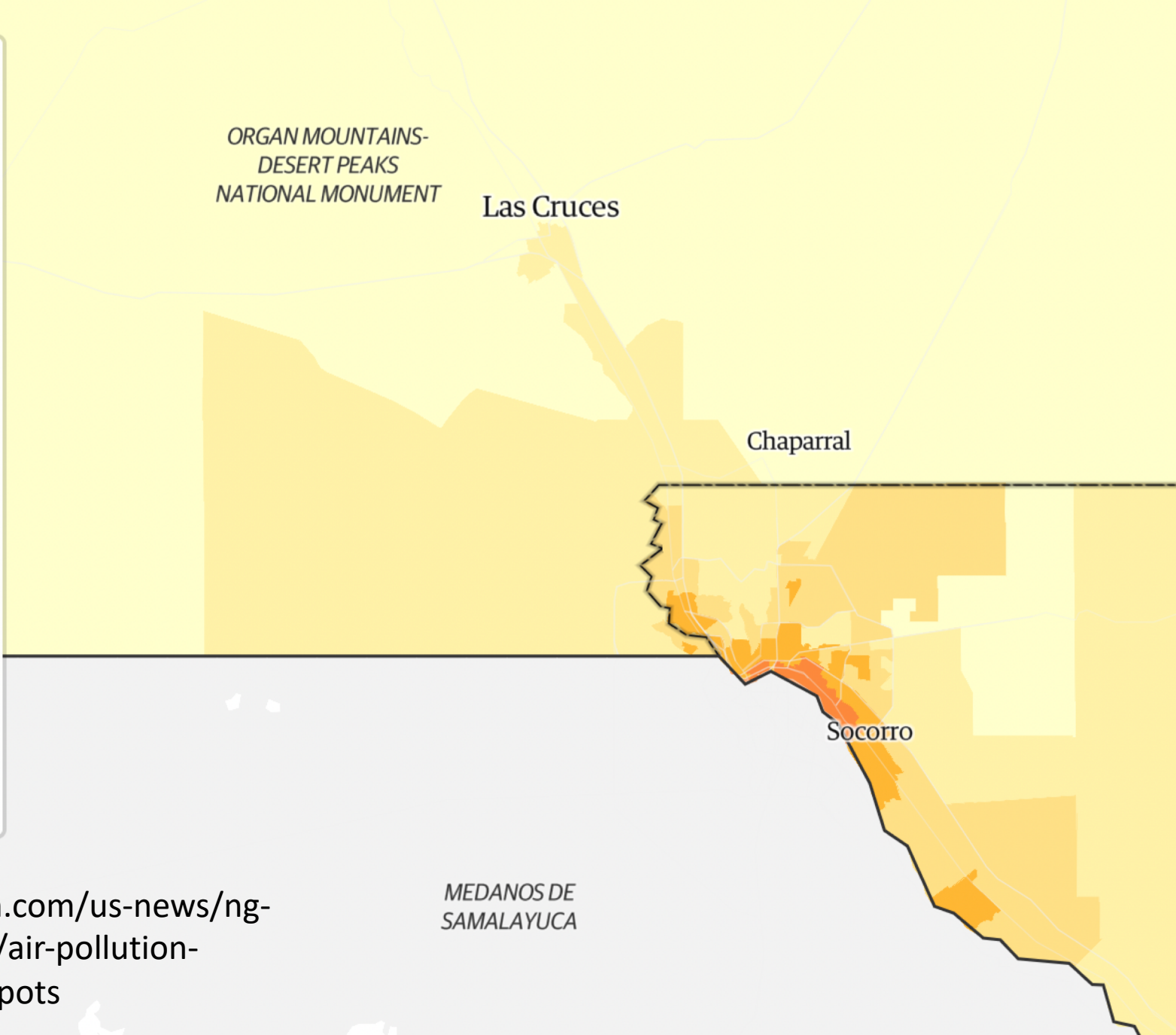
Micrograms of PM2.5 per cubic meter
(2011-15 average)



Read more: [Our story](#) [Top 10 hotspots](#) [Methodology](#)

Sources: [CACES](#) [US Census Bureau](#)

<https://www.theguardian.com/us-news/ng-interactive/2023/mar/08/air-pollution-interactive-map-usa-hotspots>



A map of El Paso, Texas, illustrating the distribution of health impacts. The city is divided into several colored zones: Sunland Park (top left, light orange), El Paso (center, dark orange), Loma Terrace (bottom right, dark orange), and EL PASO INTERNATIONAL AIRPORT (top right, light orange). The map shows a clear concentration of health impacts in the central and southern parts of the city, with the airport area also showing some impact. The surrounding areas are less affected.

Sunland Park

EL PASO INTERNATIONAL
AIRPORT

El Paso

The health impacts are
not evenly distributed

Loma Terrace

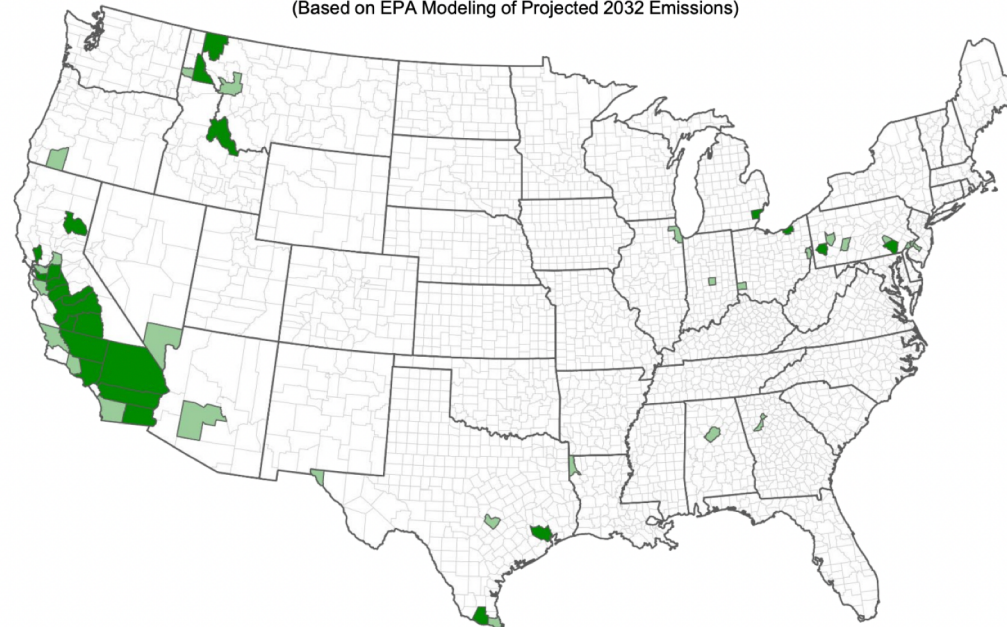
Design Values

Site	2020-2022 Annual Design Value ($\mu\text{g}/\text{m}^3$)	2020-2022 24-hour Design Value ($\mu\text{g}/\text{m}^3$)
El Paso Chamizal	9.2	22
Desert View	8.9	22
Anthony	8.1	20
Santa Teresa	5.9	18
Las Cruces	5.5	14

<https://www.epa.gov/air-trends/air-quality-design-values>

El Paso Could Be Designated Nonattainment if Annual PM_{2.5} NAAQS Revised to 9 µg/m³

(Based on EPA Modeling of Projected 2032 Emissions)



- 24 counties are projected not to meet a proposed annual fine particle standard of 10.0 ug/m³ in 2032
- 27 additional counties are projected not to meet a proposed annual fine particle standard of 9.0 ug/m³ in 2032

Note: Future fine particle pollution levels were projected only for counties with monitoring data and within the contiguous 48 states. See accompanying table for more detail. Modeled emissions are developed from a 2016 base year and used in projecting 2014-2018 monitoring data. Projected emissions reflect expected reductions from federal regulations that have been finalized as of Spring 2021. Some areas may have longer than 2032 to attain the PM_{2.5} standards.

This information is provided for illustrative purposes only and is not intended to project or predict the outcome of any forthcoming designations process.

<https://www.epa.gov/system/files/documents/2023-01/PM%20Maps%20-%202022%20proposal%20%282%29.pdf>

Direct emissions of PM_{2.5} (organic and elemental carbon) predominate over secondary PM_{2.5} (sulfate and nitrate)

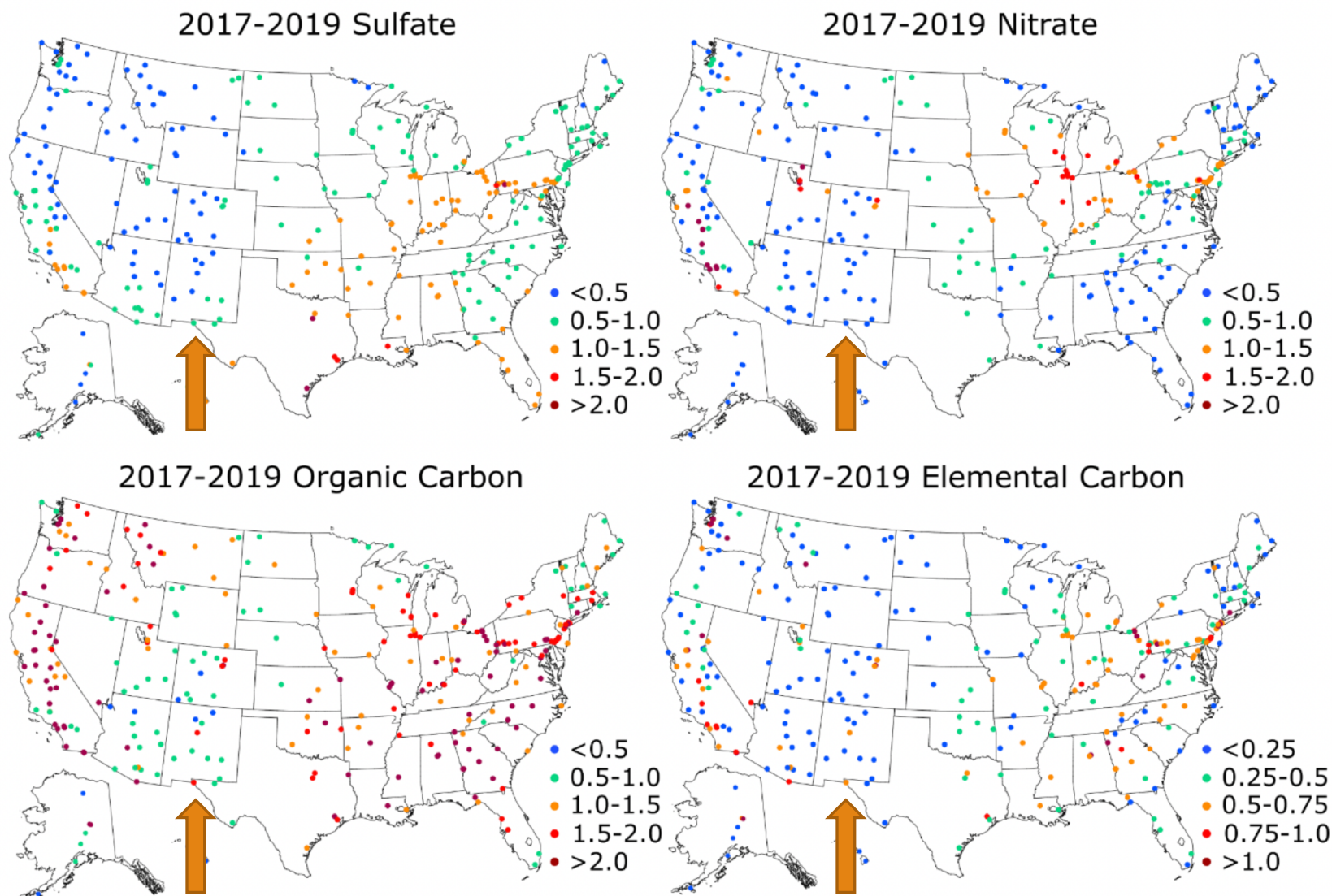
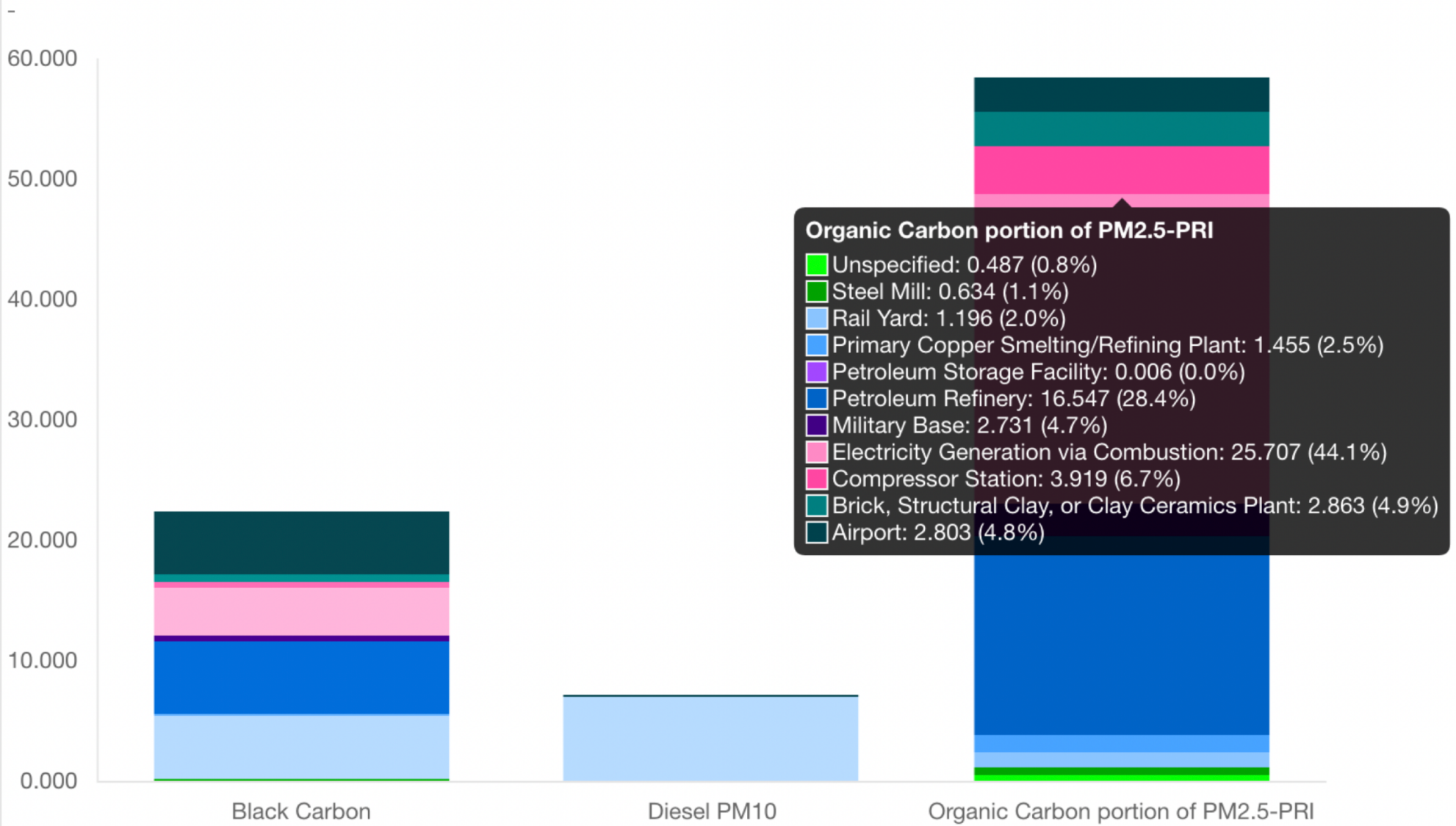
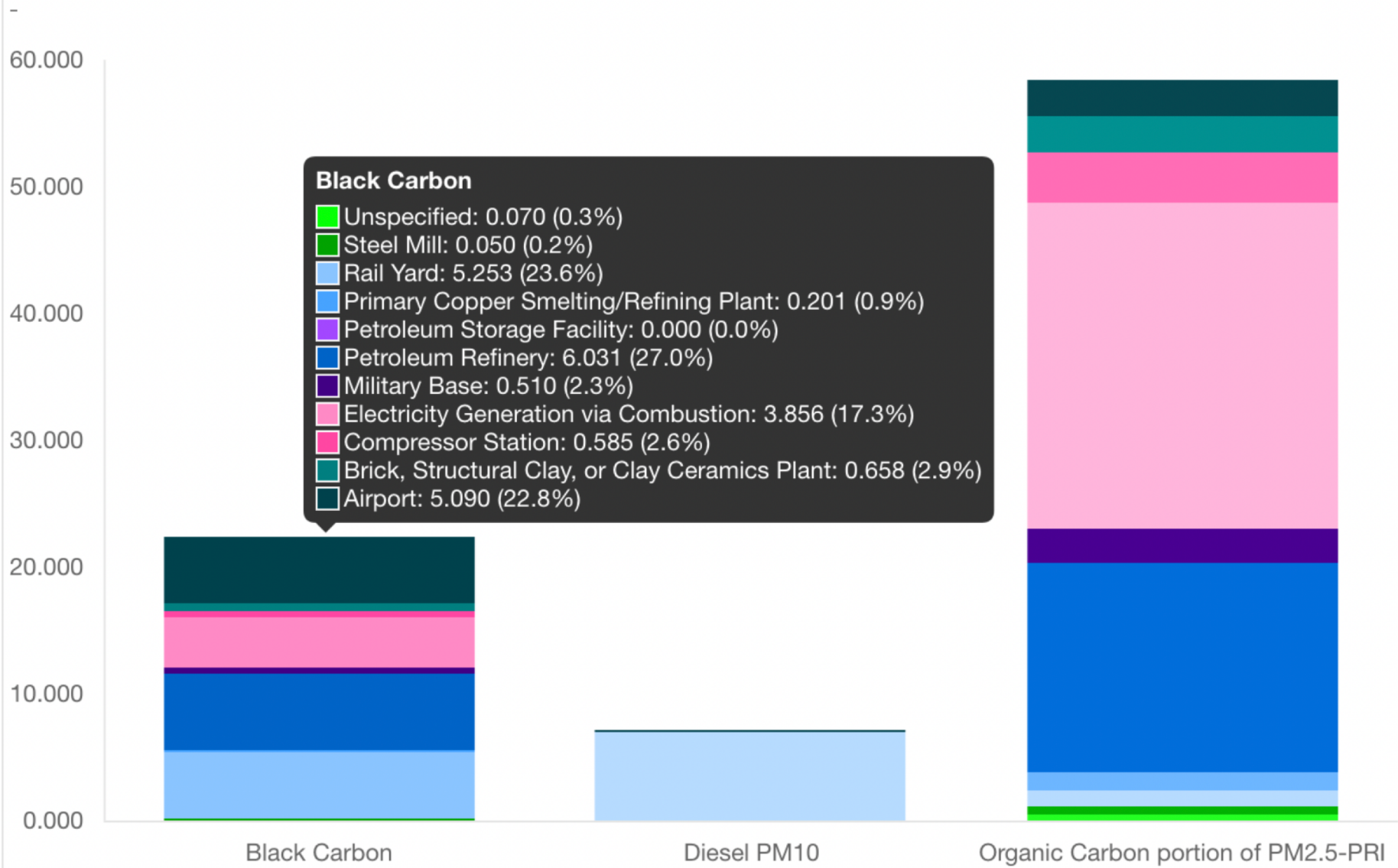


Figure 2-20. Annual average PM_{2.5} sulfate, nitrate, organic carbon, and elemental carbon concentrations (in $\mu\text{g}/\text{m}^3$) from 2017-2019.

Texas 2017 Total Point Source Emissions (tons)



Texas 2017 Total Point Source Emissions (tons)



Texas 2017 Total Point Source Emissions

