

## 2017-2019 Annual Average

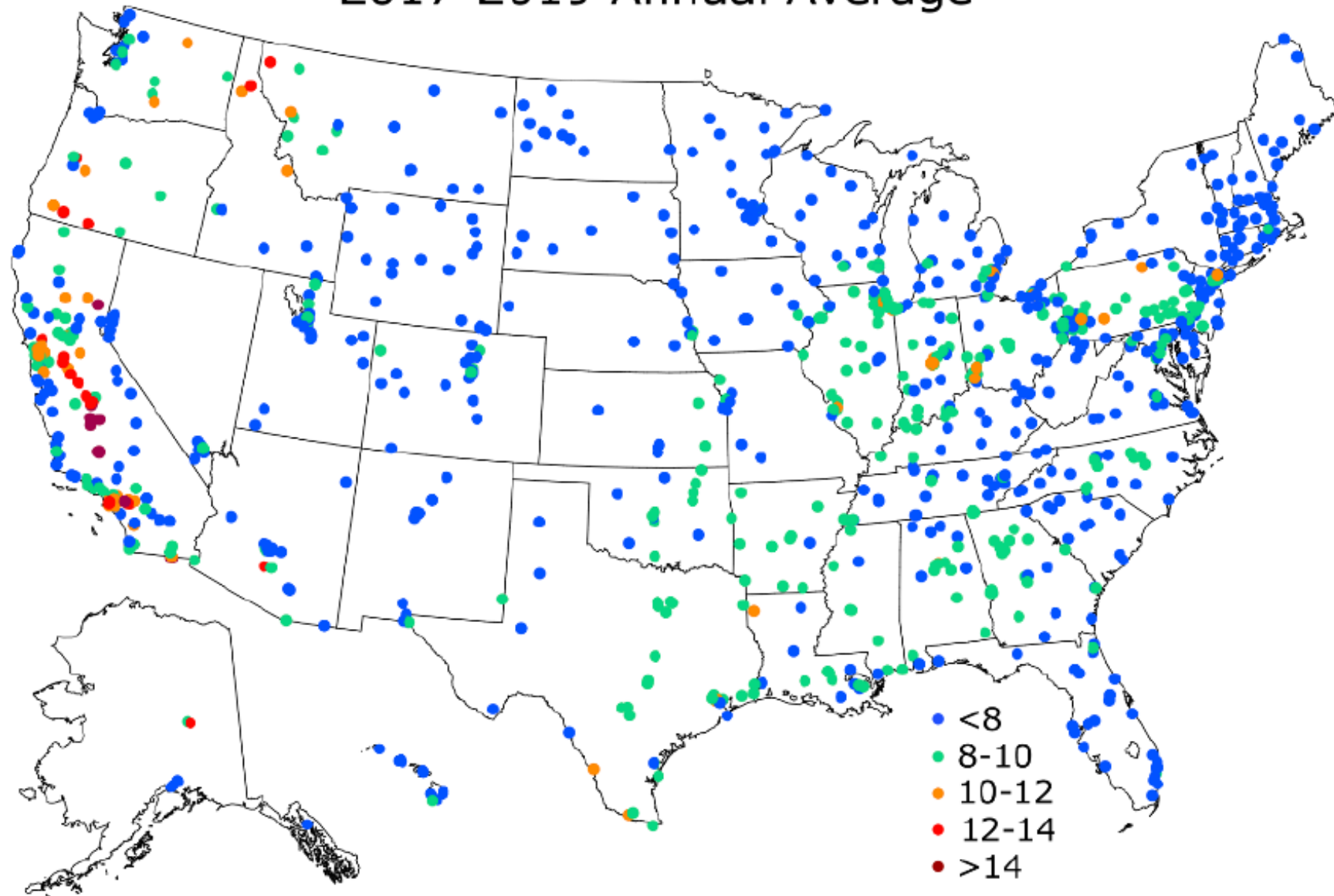
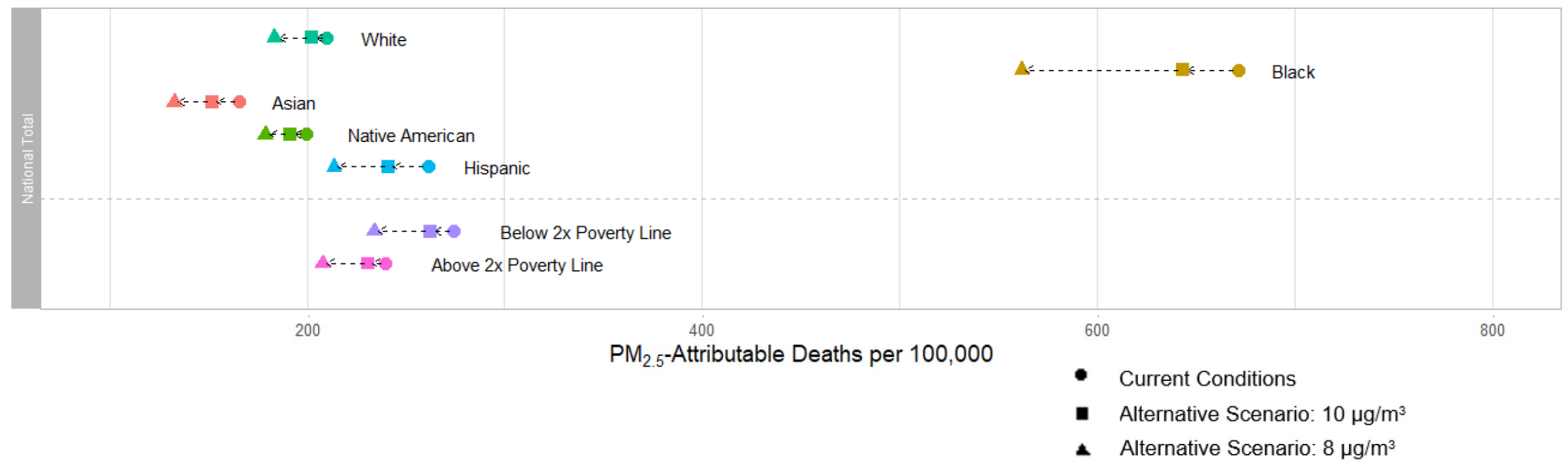


EXHIBIT ES-6. CHANGE IN AVOIDED PM-ATTRIBUTABLE DEATHS PER 100,000, BY ALTERNATIVE NAAQS

| CONCENTRATION<br>- RESPONSE<br>RELATIONSHIP  | RACE            | ETHNICITY | NATION             | PA<br>AREAS | NON-PA<br>AREAS | NATION            | PA<br>AREAS | NON-PA<br>AREAS |
|--|-----------------|-----------|--------------------|-------------|-----------------|-------------------|-------------|-----------------|
|  |                 |           | 10 µG/M3 ALT NAAQS |             |                 | 8 µG/M3 ALT NAAQS |             |                 |
| Hispanic   | All             | Hispanic  | 20                 | 44          | 2               | 48                | 91          | 17              |
| <b>Total All Races</b>   | All             | All       | 10                 | 32          | 1               | 35                | 79          | 17              |
| Asian  | Asian           | All       | 14                 | 26          | 1               | 33                | 56          | 11              |
| Black  | Black           | All       | 28                 | 69          | 3               | 110               | 190         | 58              |
| Native American  | Native American | All       | 8                  | 40          | 1               | 21                | 74          | 8               |
| White  | White           | All       | 8                  | 26          | 1               | 27                | 64          | 14              |
| Note: Values are rounded to two significant figures. All values are expressed in terms of avoided PM-attributable deaths per 100,000 individuals ages 65+. |                 |           |                    |             |                 |                   |             |                 |

IEc Analysis of PM<sub>2.5</sub> Related Health Burdens Under Current and Alternative NAAQS April 15, 2022

EXHIBIT 3-8. MORTALITY RATES UNDER CURRENT AND ALTERNATIVE PM NAAQS, AGES 65-99



# Current U.S. Air Quality Index

| AQI Levels<br>of Health Concern | Numerical Value | 8-hr Ozone (ppb) | 24-hr PM <sub>2.5</sub> (ug/m <sup>3</sup> ) |
|---------------------------------|-----------------|------------------|--|
| Good                            | 0-50            | 0-54             | 0.0 to 12.0                                  |
| Moderate                        | 51-100          | 55-70            | 12.1 to 35.4                                 |
| Unhealthy for Sensitive Groups  | 101-150         | 71-85            | 35.5 to 55.4                                 |
| Unhealthy                       | 151-200         | 86-105           | 55.5 to 140.4                                |
| Very Unhealthy                  | 201-300         | 106-200          | 140.5 to 210.4                               |
| Hazardous                       | > 300           | > 201            | > 210.4                                      |