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**Table S1.** Median levels of pollutants in Wayne County based on gentrification and location from 1980 to 2020.

| Air Pollutants[1] | Year | | | | |
|---|---|---|---|---|---|
| | 1980 | 1990 | 2000 | 2010 | 2020 |
| Intense Gentrification (Median) | | | | | |
| VOCs | -- | 2.458 | 2.196 | 0.972 | 1.534 |
| $SO_2$ | 7.121 | 7.755 | 4.984 | 2.700 | 1.061 |
| $PM_{2.5}$ | -- | -- | 15.154 | 9.643 | 8.570 |
| $PM_{10}$ | 29.630 | 33.344 | 28.638 | 19.716 | 17.716 |
| Ozone | 0.022 | 0.027 | 0.029 | 0.034 | 0.032 |
| $NO_2$ | 27.654 | 20.240 | 19.125 | 10.086 | 10.703 |
| Lead | 0.303 | 0.065 | 0.037 | 0.039 | 0.010 |
| CO | 1.338 | 0.767 | 0.402 | 0.335 | 0.308 |
| HAP | 0.085 | 0.066 | 0.883 | 0.802 | 0.439 |
| NOx | 21.053 | 17.472 | 18.055 | 12.647 | 8.938 |
| Gentrification (Median) | | | | | |
| VOCs | -- | 2.450 | 2.096 | 0.975 | 1.561 |
| $SO_2$ | 8.768 | 7.789 | 5.260 | 2.720 | 0.997 |
| $PM_{2.5}$ | -- | -- | 16.107 | 9.966 | 8.786 |
| $PM_{10}$ | 29.525 | 34.302 | 29.284 | 19.633 | 17.582 |
| Ozone | 0.022 | 0.027 | 0.029 | 0.034 | 0.031 |
| $NO_2$ | 26.785 | 20.658 | 19.722 | 10.230 | 10.881 |
| Lead | 0.287 | 0.064 | 0.038 | 0.026 | 0.009 |
| CO | 1.353 | 0.758 | 0.407 | 0.337 | 0.304 |
| HAP | 0.090 | 0.062 | 0.512 | 0.816 | 0.394 |
| NOx | 22.294 | 17.854 | 18.689 | 12.633 | 9.236 |
| Non-Gentrified (Median) | | | | | |
| VOCs | -- | 2.458 | 2.343 | 0.943 | 1.520 |
| $SO_2$ | 7.863 | 7.701 | 5.173 | 2.722 | 0.989 |
| $PM_{2.5}$ | -- | -- | 15.802 | 9.974 | 8.679 |
| $PM_{10}$ | 29.611 | 33.649 | 28.588 | 19.601 | 17.580 |
| Ozone | 0.022 | 0.027 | 0.029 | 0.034 | 0.031 |
| $NO_2$ | 27.068 | 20.290 | 19.508 | 10.237 | 10.688 |
| Lead | 0.290 | 0.064 | 0.039 | 0.026 | 0.010 |
| CO | 1.341 | 0.764 | 0.408 | 0.337 | 0.307 |
| HAP | 0.088 | 0.064 | 0.499 | 0.812 | 0.403 |
| NOx | 21.514 | 17.680 | 18.692 | 12.684 | 9.144 |

[1] VOCs are measured in parts per million. $SO_2$ is measured in parts per million. $PM_{2.5}$ and $PM_{10}$ are measured in micrograms per cubic meter. Ozone is measured in parts per billion. $NO_2$ is measured in parts per billion. Lead is measured in nanograms per cubic meter. CO is measured in parts per million. HAP are measured in parts per million. NOx are measured in parts per billion.