

Air Quality Fact Sheet

Particle Pollution and Ozone

QA How often do ozone and particle pollution episodes coincide?

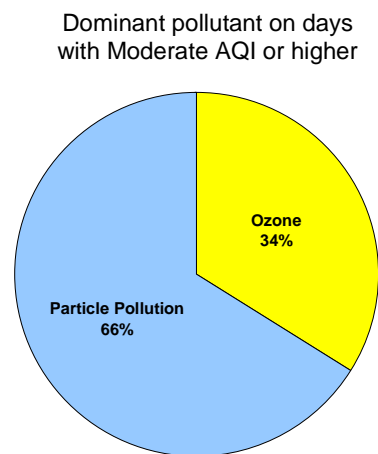
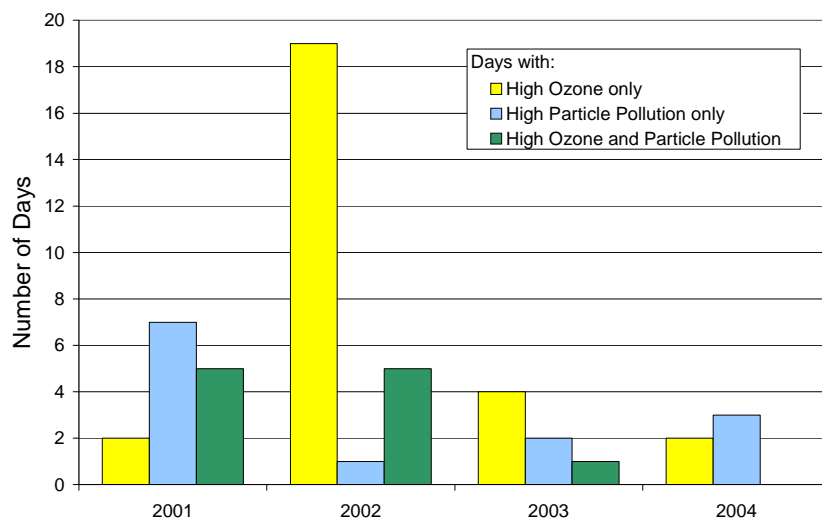
In the Youngstown-Warren region, ozone and particle pollution levels are coincidentally Unhealthy for Sensitive Groups (AQI > 100) on three days each summer, on average.

i Other information:

On days when both pollutants are Moderate AQI or higher, particle pollution levels tend to be higher than ozone levels.

On average, three days each summer will have only high particle pollution levels (ozone will be low). Weather plays a role in making this happen. On these high particle days, clouds likely increase the formation of particles and reduce sunlight (a necessary ingredient for ozone formation).

High ozone occurrences in 2002 were above average with 24 days total. Between 1995 and 2004, on average, ozone levels were high on eight days each summer.



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Footnotes:

AQI = Air Quality Index.

Particle pollution is also called PM_{2.5}, particulate matter, and fine particles.

For more information visit www.airnow.gov.