

# 2025 STATE OF THE AIR REPORT

(AMERICAN LUNG ASSOCIATION)

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# Background

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- American Lung Association (ALA)
  - Reports status of the air quality for the whole country every year
  - Report includes weighted scores and grades for each county in the Washington, DC region.
  - Also reports top 25 most polluted CSAs/MSAs and counties for ozone and PM2.5 (24-hour & annual)

# ALA Methodology

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- Used number of code orange and above days instead of Design Value to calculate Weighted Scores/Grades/Ranks for Ozone & 24-Hour PM2.5 for CSAs/MSAs and counties
- Grades are assigned based on the weighted average:
  - A (0.0), B (0.3-0.9), C (1.0-2.0), D (2.1-3.2), F ( $\geq 3.3$ )
- Used Design Value to assign grades/ranks for Annual PM2.5 for CSAs/MSAs and counties
  - Pass ( $\leq 9.0 \mu\text{g}/\text{m}^3$ )
  - Fail ( $\geq 9.1 \mu\text{g}/\text{m}^3$ )

# ALA Rankings for Washington, DC- Baltimore-Northern Virginia Area

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**ALA ranked top 25 most polluted CSAs/MSAs in 2025 report**

1. Ozone: Not in the list (Washington region at 36<sup>th</sup> place)
2. 24-Hour & Annual PM2.5: Not in the list (53<sup>rd</sup> & 66<sup>th</sup> places respectively)

# ALA Ozone Grades & Scores

(Washington, DC-MD-VA 2015 Ozone Nonattainment Area Jurisdictions)

Jurisdiction	Ozone	24-Hour PM2.5	Annual PM2.5
District of Columbia	F (5.5)	F (3.7)	Pass
Charles	C (1.0)	-	-
Calvert	B (0.7)	-	-
Fredrick	D (2.7)	-	-
Montgomery	D (2.3)	C (1.5)	Pass
Prince George's	F (5.2)	C (1.5)	Pass
Alexandria	-	-	-
Arlington	D (2.3)	C (1.0)	Pass
Fairfax	D (2.3)	F (3.3)	Pass
Loudoun	C (1.7)	C (1.3)	Pass
Prince William	C (1.3)	-	-



# Conclusions

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- None of the jurisdictions in Washington, DC region is listed in top 25 most ozone or PM2.5 polluted counties in ALA report.
- ALA weighted scores/grades for 2025 for Washington, DC area jurisdictions for both ozone and PM2.5 were worse compared to 2024. One of the reasons was that the ALA didn't exclude Canadian wildfire influenced days in its calculations.
- All jurisdictions continue to show passing grades for annual PM2.5 standard.