

**Regional Grades and Unhealthy Air Days**

County	Ozone Days <sup>1</sup>	Ozone Grade	PM Days <sup>1</sup>	PM Grade
Los Angeles	109.2	F	8.0	F
Orange	8.7	F	3.8	F
Riverside	140.3	F	11.2	F
San Bernardino	152.5	F	3.3	F
Ventura	19.0	F	0.3	B

<sup>1</sup>Number of Days reported equals the weighted annual average of unhealthy ozone or particle days recorded over the three-year period of 2012-2014. An annual average of 3.3 or more unhealthy days earns an "F" grade.

**Rank Among All U.S. Cities for Unhealthy Air Days**

Ranking	Ozone	Particulates
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**Key Successes**

**34% drop**  
**In Southern California**

In unhealthy ozone days since 2000

**90% drop**  
**In Southern California**

In unhealthy particle days since 2004

**Passenger vehicle and diesel emission controls, along with wood burning restrictions, have driven the improvements.**

**Healthy Air Goals**

**Cut pollution by more than 80%**

- Zero emission vehicles and fuels, including sustainable freight.
- Climate and clean air investments via the Greenhouse Gas Reduction Fund.
- Tighter controls on stationary sources of pollution, especially at refineries and oil and gas production.
- Increase controls on wood burning and promote cleanest heating options.
- Reduce climate pollutants, including methane and black carbon.
- Healthier community planning focused on walking, biking, transit and zero-emission transportation alternatives.

# Who is at Risk in Southern California

Children under 18

Adults over 65

Pediatric Asthma

Adult Asthma

COPD

Heart Disease

Diabetes

Poverty



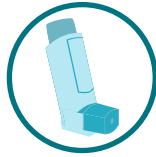
**4,400,000**



**2,300,000**



**390,000**



**1,100,000**



**670,000**



**980,000**



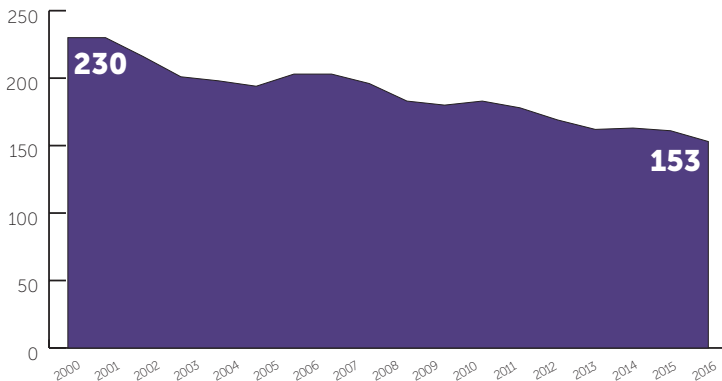
**1,400,000**



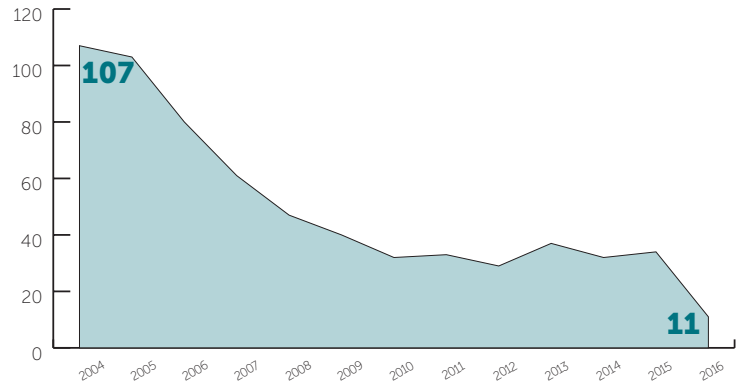
**3,200,000**

## Key Air Quality Trends

**Southern California Unhealthy Ozone Days  
State of the Air 2000 - 2016**



**Southern California Unhealthy Particle Days  
State of the Air 2004 - 2016**



## Southern California Pollution Sources

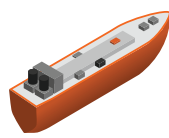
- Nearly 90 percent of pollution in the region comes from mobile sources, including on- and off-road diesel fueled-vehicles, cars, trucks buses and locomotives, ships and aircraft contribute
- Ports and goods movement (contributes to regional pollution and generates significant hot spots of pollution near the Ports of Los Angeles and Long Beach)
- Stationary sources including oil refineries and power plants are a major local source
- Area sources including smoke from residential wood burning



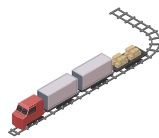
Cars



Trucks



Ports



Freight



Oil and Gas



Refineries



Wood Smoke



For more information: [www.stateoftheair.org/california2016](http://www.stateoftheair.org/california2016)

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[in /American Lung Association in California](https://www.linkedin.com/company/American-Lung-Association-in-California)

[yt /CaliforniaLung](https://www.youtube.com/channel/UC...)

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