

A. What is the main cause of air pollution?

- a. Transportation & industrial activities

B. Why does Dallas have unhealthy air quality?

- a. Seasonal (the higher temps & stagnant air make the air quality worse)
- b. Not a very walkable city so people have to use their own individuals vehicles to get places
- c. Poorly regulated industry
- d. Dallas is 3rd biggest city in Texas, factories located there

C. What health problems are caused by air pollution?

- a. Heart & lung problems
- b. Aggravated asthma
- c. Long-term exposure can also contribute to cancer and early death.
- d. Cardiovascular and respiratory disease,
- e. Pneumonia, emphysema, bronchitis

D. Has air quality improved in Dallas over the past 5 years?

- a. "The number of 'unhealthy' ozone days have increased from a weighted average of 5.3 days from 2014 to 2016, to 6.7 days from 2015 to 2017, to 8.2 days from 2016 to 2018." (IQAir, Dallas)

E. What is the impact of COVID-19 to air quality?

- a. Made air quality significantly better due to COVID-19. Majority of the population stayed indoors and did not use their vehicles. Businesses were temporarily shut down as well.
 - i. Dallas was ranked 2780th due to its air quality improvements during COVID-19, indicating a respectable placing
 - ii. PM 2.5 annual average went from 12.3 to 9.6 because of COVID-19. This is the World Health Organization recommendation level

F. What is your neighborhood air quality? (rn)

- a. Dallas = 51
- b. Elise's (Southlake, TX) = 7
- c. Grace's (Goleta) = 26
- d. Nice(Kigali) = 100

G. How could we reduce air pollution in Dallas?

- a. Use public transportation
- b. Transition to more energy efficient cars
- c. Change household products to ones that are environmentally friendly
- d. Building bike lanes

- e. Make city more walkable
- f. Improve public transportation

H. What are the major air pollutants?

- a. PM2.5
- b. Ozone
- c. Carbon Monoxide
- d. Nitrogen Dioxide