



London has 'dangerous' levels of air pollution: study

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Nearly 100 sensors fixed around London since January have revealed the city's air pollution is dangerously high, according to a charity and the city mayor's office.

1. London's air pollution _____
2. That's the conclusion of an air quality analysis in the capital, _____
3. In January, the Environmental Defense Fund Europe _____
4. It's all part of a project _____
5. The results? More than 40% of tested areas _____

ENVIRONMENTAL DEFENSE FUND EUROPE EXECUTIVE DIRECTOR, BARONESS BRYONY WORTHINGTON, SAYING:

"Air pollution is a silent killer, it is really responsible for both shortening people's lives but also in extreme cases it can actually cause death. So our solution is to bring these sensors, make the invisible visible and put more pressure on the politicians that they can't keep fobbing us off and they have to act to clean up our air, make it healthy, particularly for the vulnerable amongst us."

- 6-1 This map _____
- 6-2. which is emitted _____
- 7-1. The charity is also using data from Google cars _____
- 7-2. and has teamed up with King's College London _____
- 8-1. A 2015 study by researchers at the university _____

8-2. as a result _____

9. Earlier this year **London** Mayor Sadiq Khan _____

10-1. The mayor's office says _____

10-2. a 20% reduction in emissions _____

[Vocabulary]

- ☐ **pollution:** the process of damaging the air, water, or land with chemicals or other substances
 - *the pollution of local rivers*
- ☐ **air pollution:** pollution of the atmosphere
 - *Air pollution reduced the visibility.*
- ☐ **environmental:** intended to help or protect the environment
 - *'Companies that do not have environmental policies'*
 - *Some environmental groups have declared a boycott of tourism on the island.*
- ☐ **charity:** an organization to which you give money so that it can give money and help to people who are poor or sick, or who need advice and support; these organizations considered as a group
 - *The show raised thousands of dollars for charity.*
- ☐ **environmental charity:**
- ☐ **Environmental Defense Fund Europe:**
- ☐ **around:** used for showing that you are guessing a number or amount
 - *There must have been around 500 people there.*
 - *Damage was estimated at around \$20 million.*
- ☐ **sensor:** a piece of equipment that reacts to physical changes such as the amount of heat or light that exists somewhere
 - *To ensure greater response and surer handling, the engineers used electronic sensors to monitor each wheel.*
- ☐ **Breathe London:** **Breathe London** combines state-of-the-art technology with new data analytics to better understand Londoners' exposure to air pollution.
- ☐ **mandate:** to give an official order or make a law stating that something must be done
 - *Some states mandate a type of temporary disability benefit for employees.*
- ☐ **silent killer:** a disease that has no obvious symptoms or indications
 - *The medical profession needs to develop new ways to screen for this silent killer.*
- ☐ **shorten:** to become shorter, or to make something shorter
 - *Please shorten these pants by five inches.*
 - *If you shorten the rope, it won't get in the way.*
- ☐ **in extreme cases:** being of a high or of the highest degree or intensity. extreme cold, extreme difficulty. exceeding what is usual or reasonable
 - *In extreme cases, that destroys the chromosome.*
- ☐ **fob someone or something off:** to evade or dupe someone or avoid some responsibility through some form of deceit.
 - *You fob off your friends whenever it's not convenient for you.*

□ **vulnerable**: easily damaged by something negative or harmful; someone who is vulnerable is weak or easy to hurt physically or mentally

- *The government must help the most vulnerable groups in our society.*

□ **nitrogen dioxide**: a very poisonous brown gas often found in smog and exhaust from vehicles (NO₂)

□ **emit**: to send something out into the air, especially gas, light, or heat

- *Pulsars emit radiation.*

□ **exhaust**: gases or steam produced by an engine as it works

□ **Google car: Waymo LLC** is a self-driving technology development company. It is a subsidiary of Alphabet Inc. Waymo originated as a project of Google before it became a stand-alone subsidiary in December 2016.

In April 2017, Waymo started a limited trial of a self-driving taxi service in Phoenix, Arizona. On December 5, 2018, the service launched a commercial self-driving car service called "Waymo One"; users in the Phoenix metropolitan area use an app to request a pick-up.

□ **team up with**: to associate with another in a joint enterprise. quotations

- *The ice cream shop **teamed up with** the cookie and brownie place next door to create wonderful sundaes.*

□ **King's College London**: King's was established in 1829 by King George IV and Arthur Wellesley, 1st Duke of Wellington, when it received its first royal charter (as a university college), and claims to be the fourth oldest university institution in England. In 1836, King's became one of the two founding colleges of the University of London.

□ **air quality monitor**:

□ **backpack**: a bag that you carry on your back, used to carry books, school supplies, or personal items

□ **prematurely**: too soon; too early; before the due time

- *His son died prematurely.*
- *'prematurely grey hair'*

□ **exposure**: the state of being put into a situation in which something harmful or dangerous might affect you

- *We're more aware of the possibility of skin cancer due to exposure to the sun.*

□ **Sadiq Khan**: (born 8 October 1970) a British politician serving as Mayor of London since 2016. A member of the Labour Party, he was the Member of Parliament (MP) for Tooting from 2005 until 2016; Khan is on the party's soft left and has been ideologically characterized as a social democrat.

□ **Ultra Low Emission Zone**: to help improve air quality, an Ultra Low Emission Zone now operates 24 hours a day, 7 days a week, every day of the year within the same area of central London as the Congestion Charge. A traffic pollution charge scheme with the aim of reducing the exhaust gas emissions of diesel-powered commercial vehicles in London. This scheme was changed to include the Ultra Low Emission Zone (ULEZ), introduced in April 2019. Vehicles that do not conform to various emission standards are charged; the others may enter the controlled zone free of charge. The low emission zone started operating on 4 February 2008 with phased introduction of an increasingly stricter regime until 3 January 2012.

□ **immediate impact**: