



TfL: Action on air quality

Dr Helen Asquith

Specialist Registrar, Transport for London



Aims for session

1. What is the problem?
2. What is TfL doing about it?
3. What are the likely health impacts?
4. Questions



1. What is the problem?



Source: Lucy Saunders

We all know there is an air quality 'crisis'



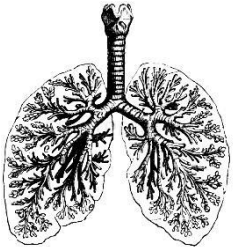
What are the key facts?



Air pollution affects everyone



There are streets in every borough that exceed legal limits for NO₂

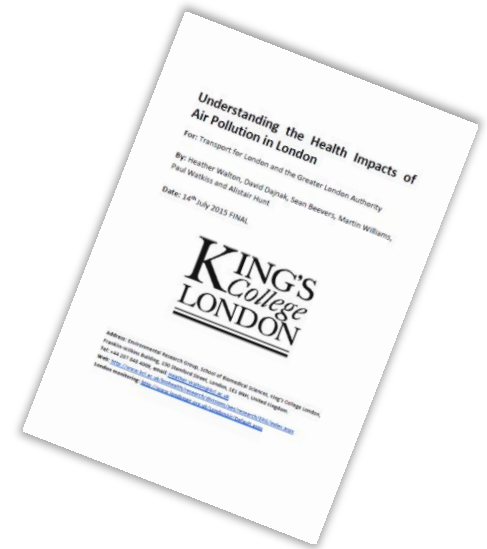


Pollution damages lung development

(but probably reversible...)

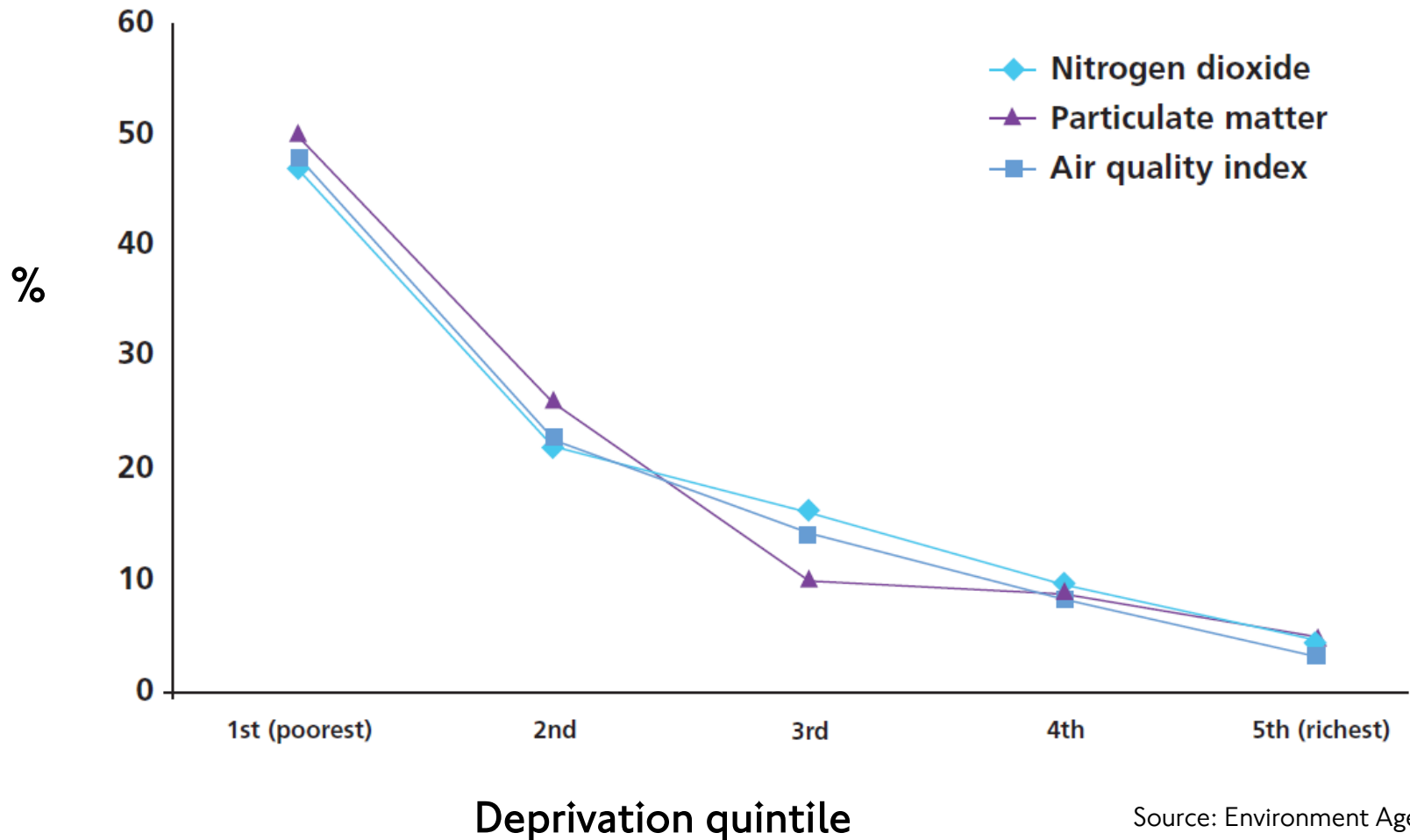


Pollution worsens asthma symptoms and increases admissions



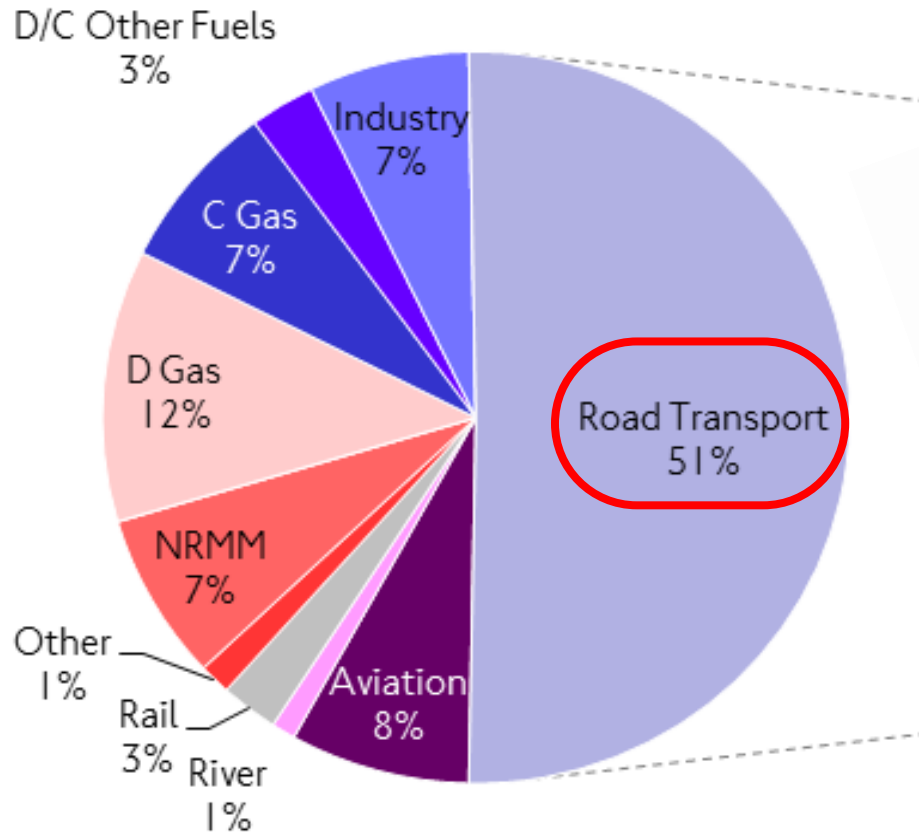
Large inequalities

Social distribution of UK air quality concentrations, 2001



Source: Environment Agency (2003)

Sources of NOx emissions in London



2. What is TfL doing about it?



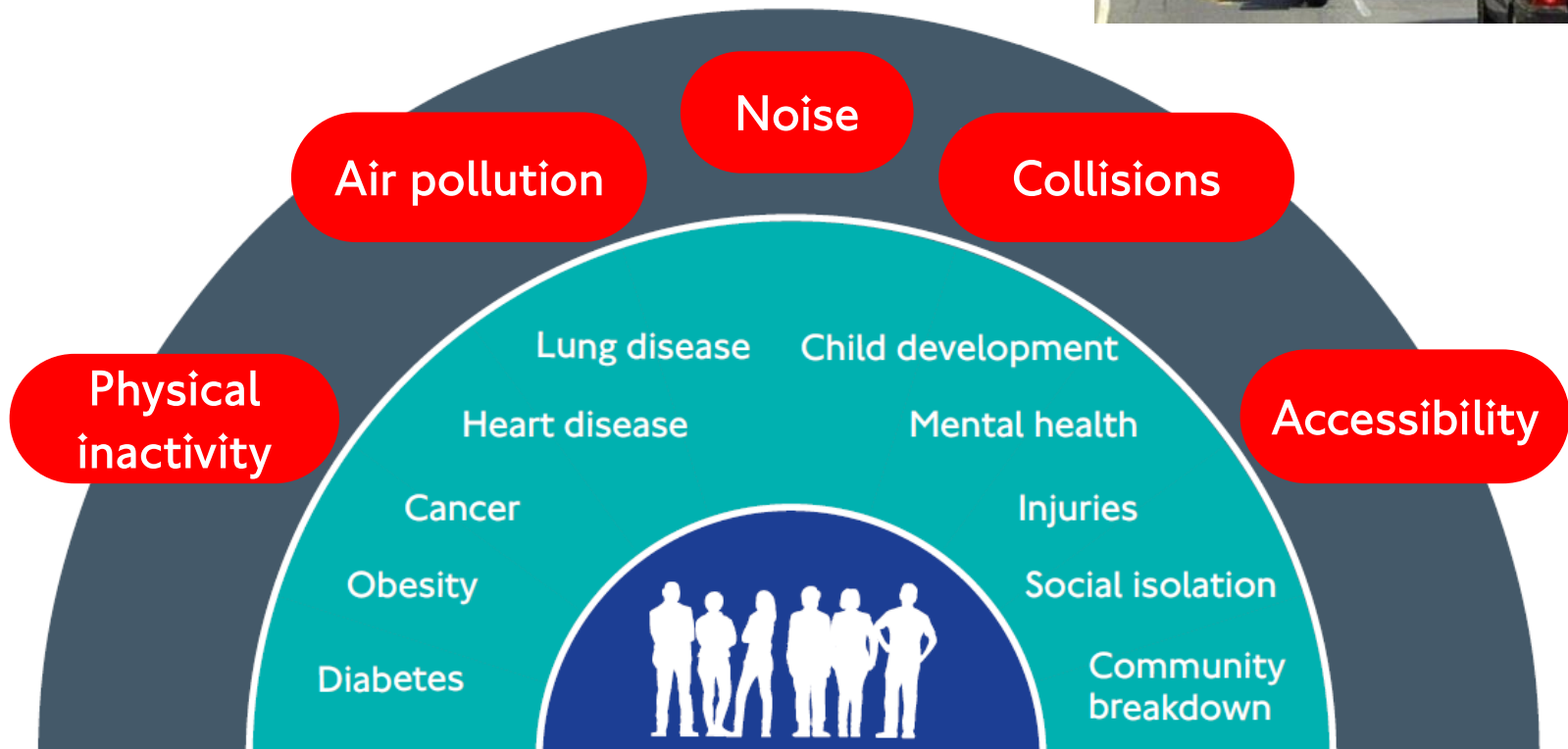
Source: Lucy Saunders

Is this the silver bullet?



The health impacts of street environments & transport are all **connected**

...and largely relate to motorised road transport



Mayor's Vision for Healthy Streets



“My vision to create ‘**Healthy Streets**’ which aims to **reduce traffic, pollution** and **noise**, create more attractive, **accessible** and people-friendly streets where everybody can enjoy spending time and being **physically active**, and ultimately to **improve people’s health**.”

A City for All Londoners - October 2016



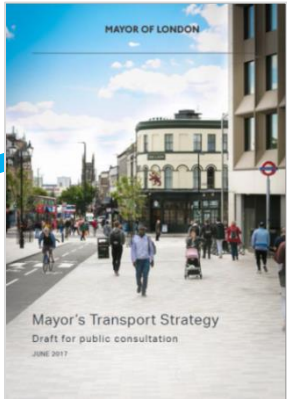
What is Healthy Streets?



Source: Lucy Saunders



Healthy Streets is the framework for all three **MTS** themes



1. Healthy Streets and healthy people



“Creating streets and street networks that encourage walking, cycling and public transport use will reduce car dependency and the health problems it creates”

2. A good public transport experience



“An easy to use and accessible public transport system... gives people alternatives to car use”

3. New homes and jobs



“Planning the city around walking, cycling and public transport use will unlock growth in new areas and ensure that London grows in a way that benefits everyone”

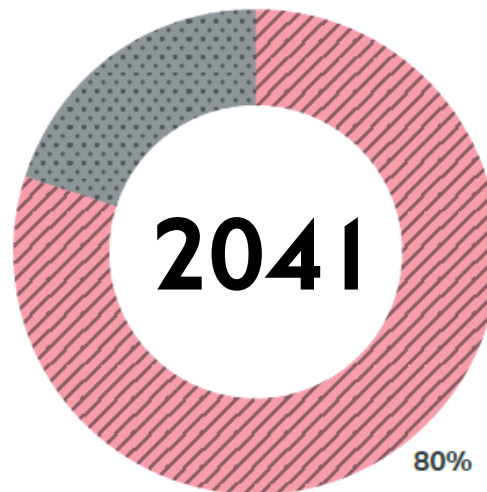
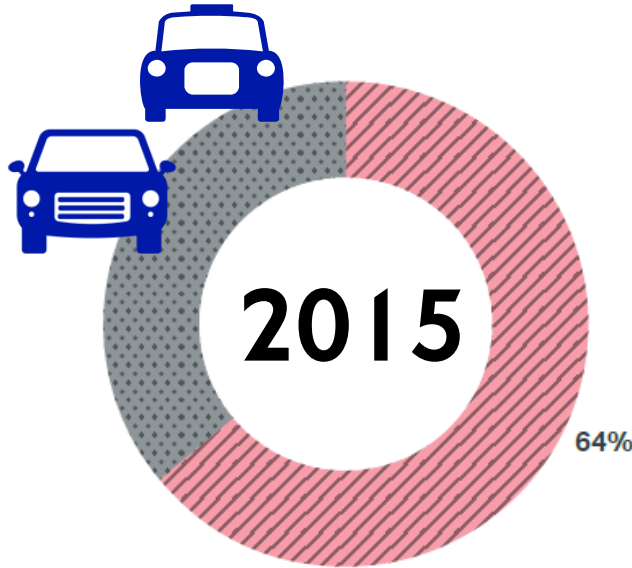
So what's the plan?



Non-sustainable modes

36%



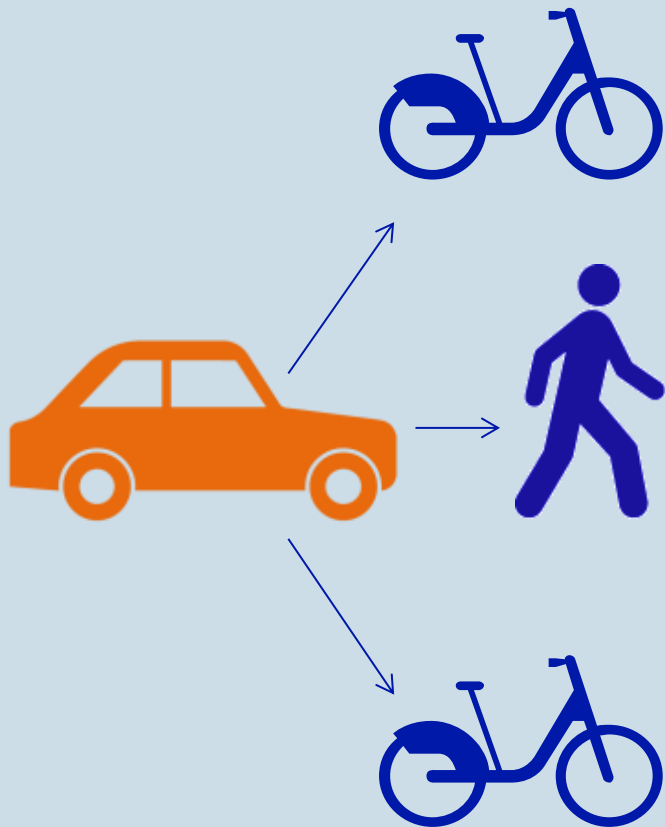
20%



-  Car/taxi/private hire vehicle
-  Walking, cycling & public transport

Is it achievable?

YES – so many trips could be switched



Nearly $1/2$ of car trips made by London residents could be **cycled in around 10 mins**

More than $1/3$ of car trips could be **walked in under 25 mins**

$2/3$ of car trips could be **cycled in under 20 mins**

Also: Mayor's Clean Air Action Plan

1. Emission Surcharge ('T-charge')
2. Introducing **ULEZ** sooner and expanding it
3. **Bus** clean up
4. National **Diesel Scrappage** Scheme
5. Encouraging the uptake of **ULEVs**



Confused about ULEZ?



Confused about ULEZ?

2003

Congestion

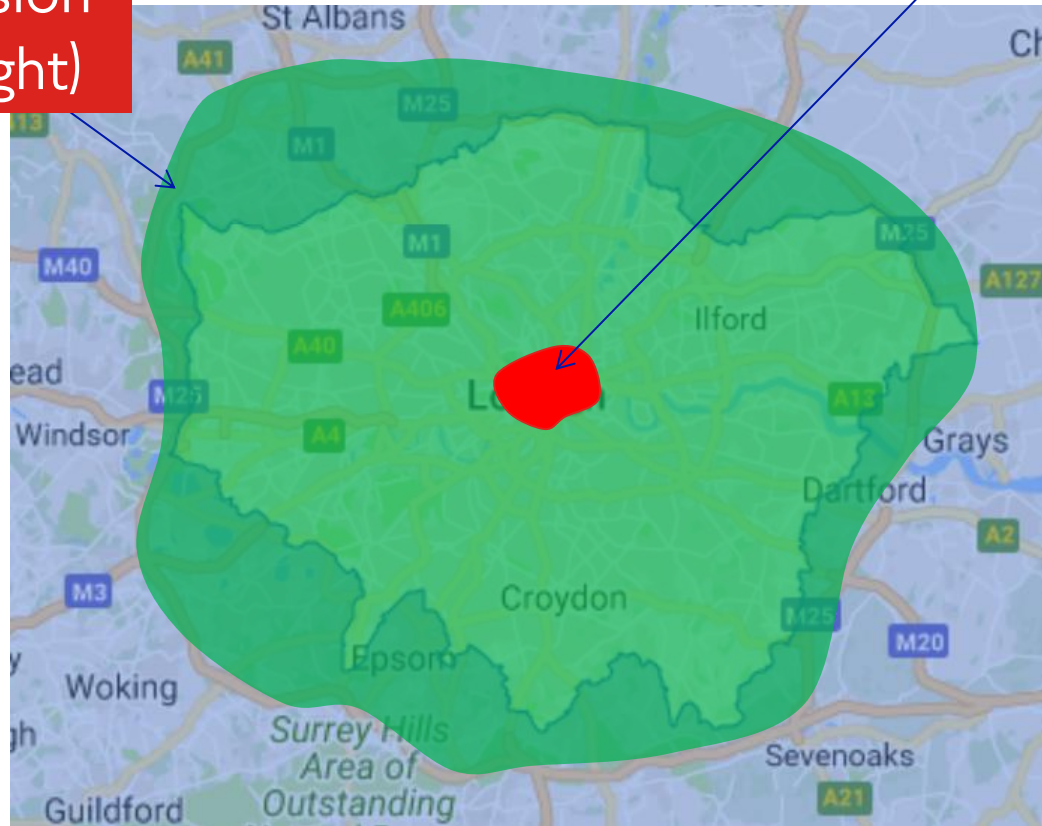
zone

Everyone
pays to
reduce traffic

2008

Low emission
zone (freight)

Lorries pay to
drive into
London



ADDED TO Congestion Charge

Confused about ULEZ?

2003

Congestion
zone

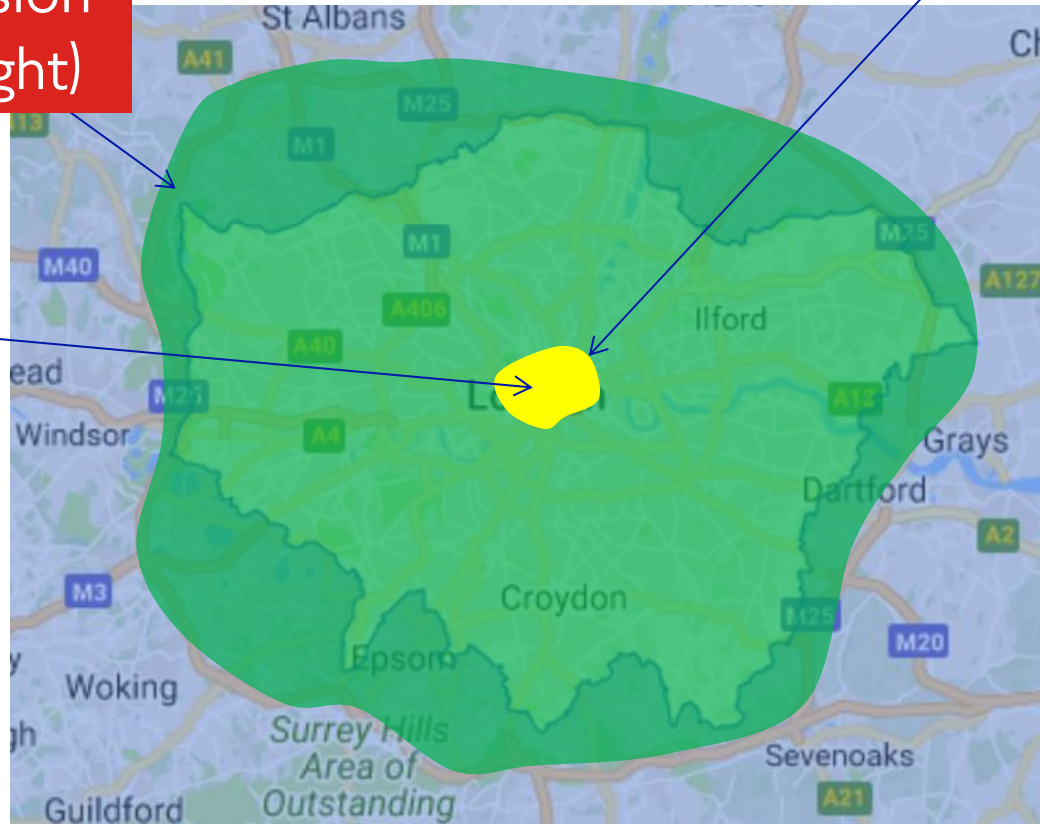
2008

Low emission
zone (freight)

2017

T-charge

The most
polluting
vehicles pay
to go into the
congestion
zone



ADDED TO Congestion Charge

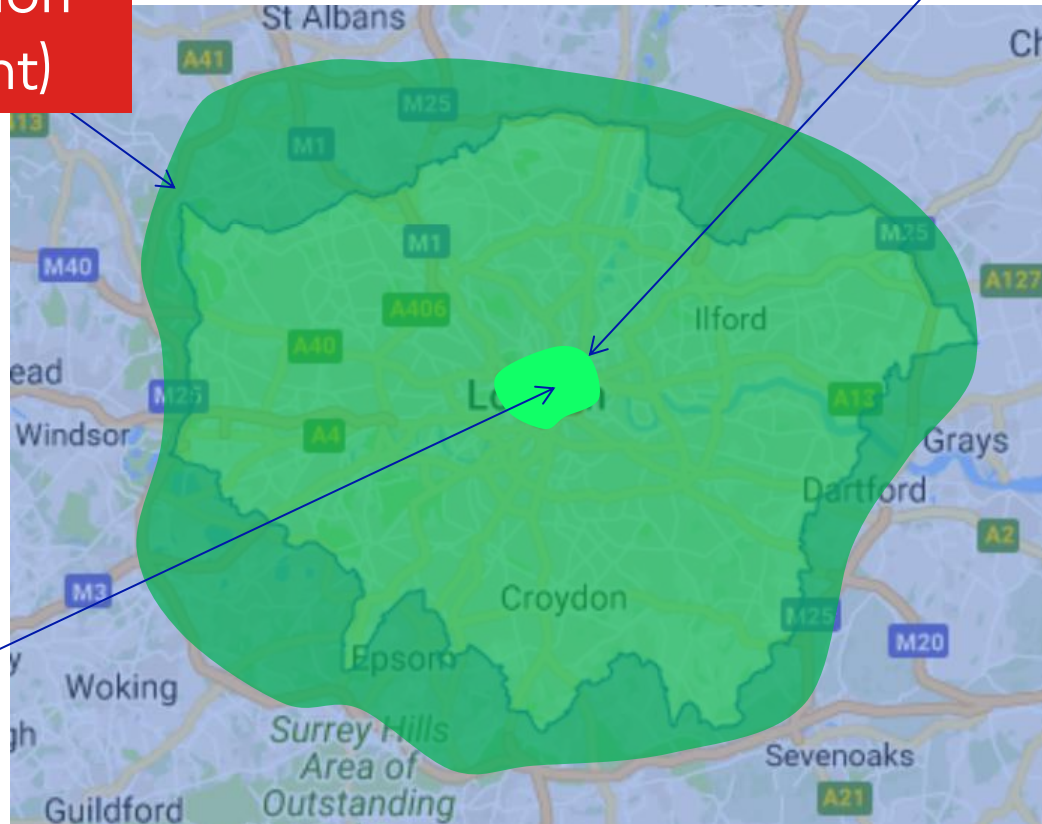
Confused about ULEZ?

2003

Congestion
zone

2008

Low emission
zone (freight)



2019

ULEZ

Includes
more
vehicles than
the T-charge

ADDED TO Congestion Charge

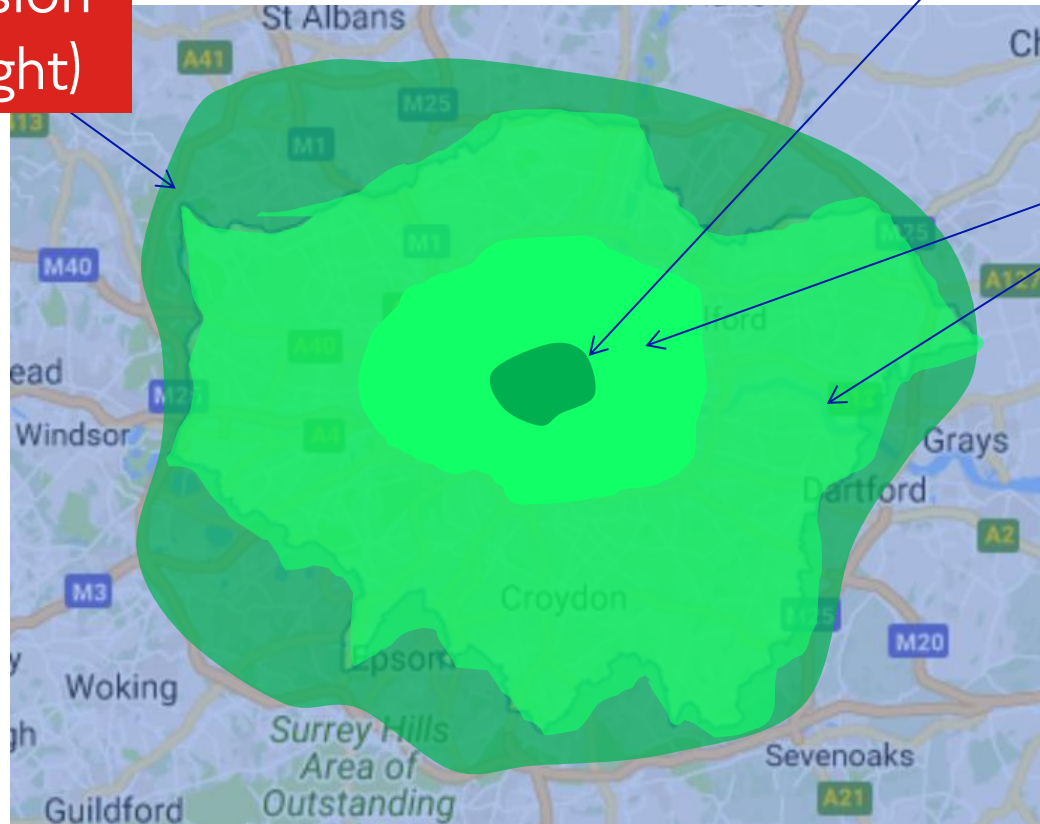
Confused about ULEZ?

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Proposed
ULEZ
expansion:

- Sooner
- Expanded to all London for coaches & lorries (2020)
- Expanded to North/South circular for cars (2021)

Proposals for ULEZ



Central London ULEZ in 2019 (all vehicles)

			£12.50 per day
<hr/>			
			£100 per day



London-wide ULEZ in 2020 (heavy vehicles)

			Up to £100 per day
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Inner London ULEZ in 2021 (all vehicles)

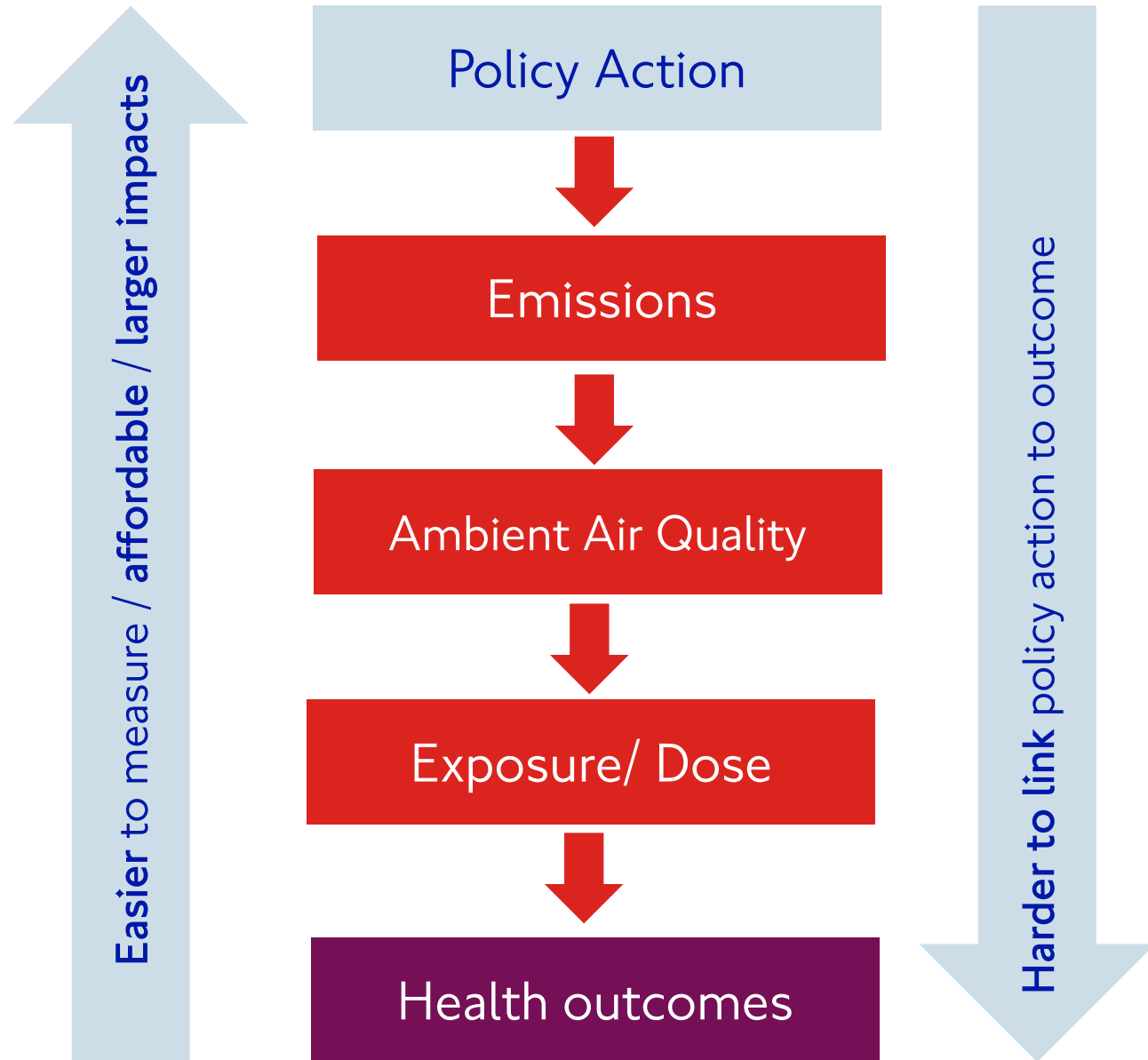
			Up to £100 per day
<hr/>			
			Up to £12.50 per day

3. What are the likely health impacts?

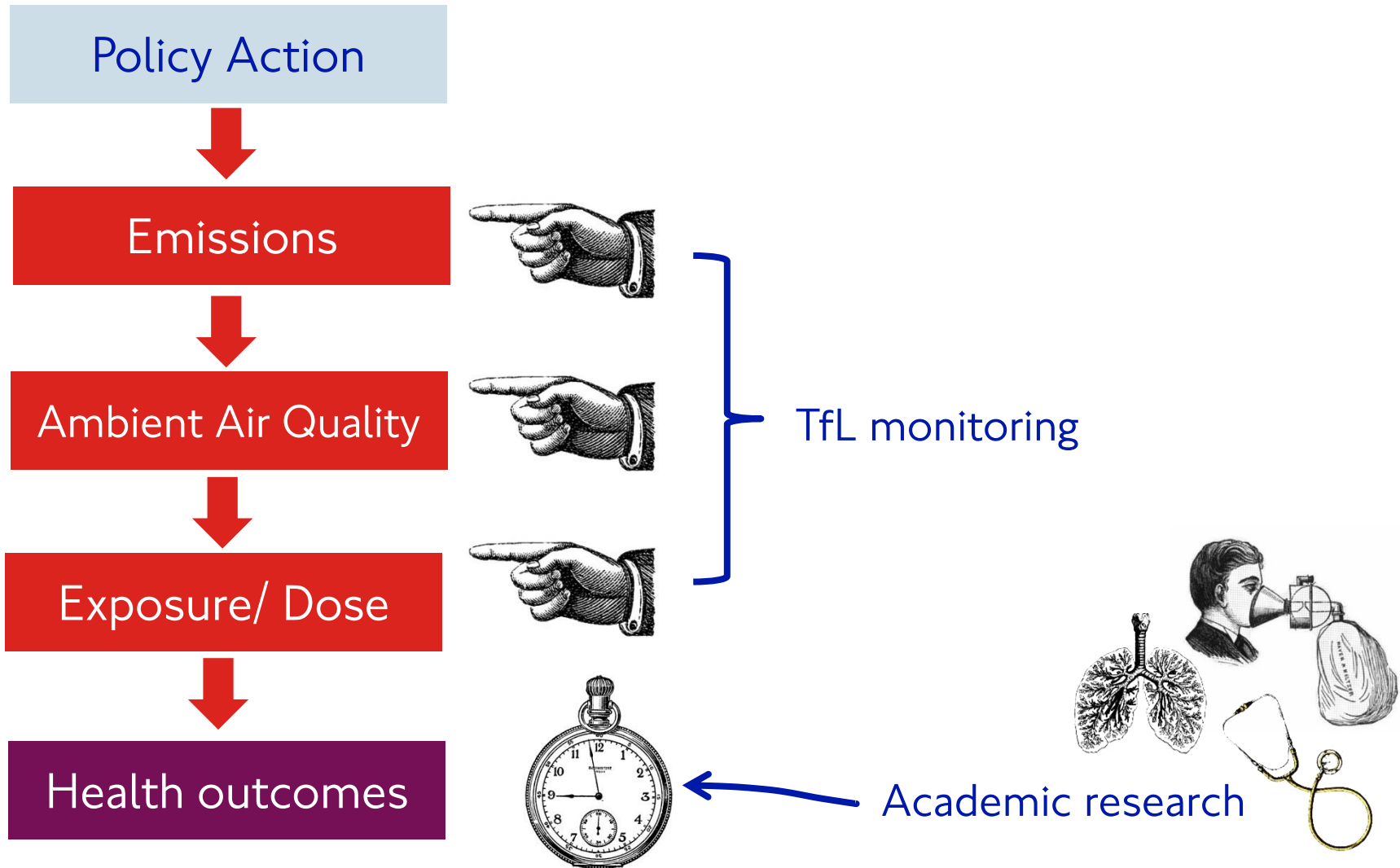


Source: Lucy Saunders

How will we measure health impacts?



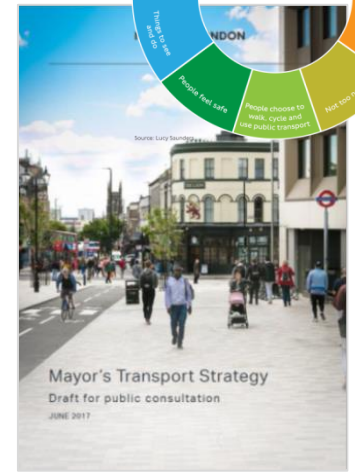
What are we likely to see?



What can you do?

1. Respond to consultations →
2. Support London-wide policies →
3. Take individual action
4. Take local action →
5. Encourage others to do the same...

MAYOR OF LONDON



4. Questions



helenasquith@tfl.gov.uk