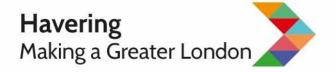


Havering's Air Quality Campaign Dr. Louise Dibsdall, Public Health Marie-Claire Irvine, Public Protection



Types of Air Pollutants

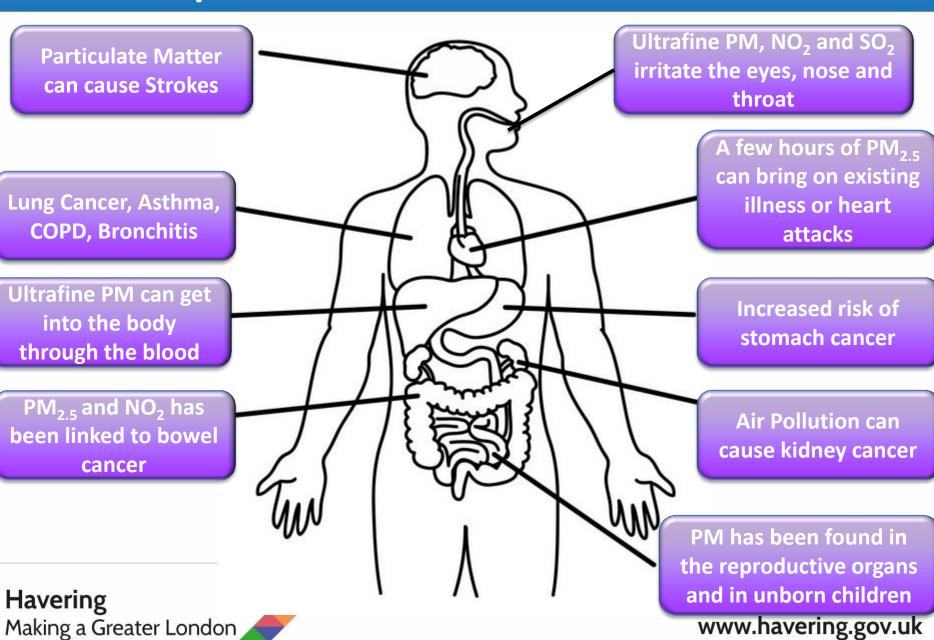






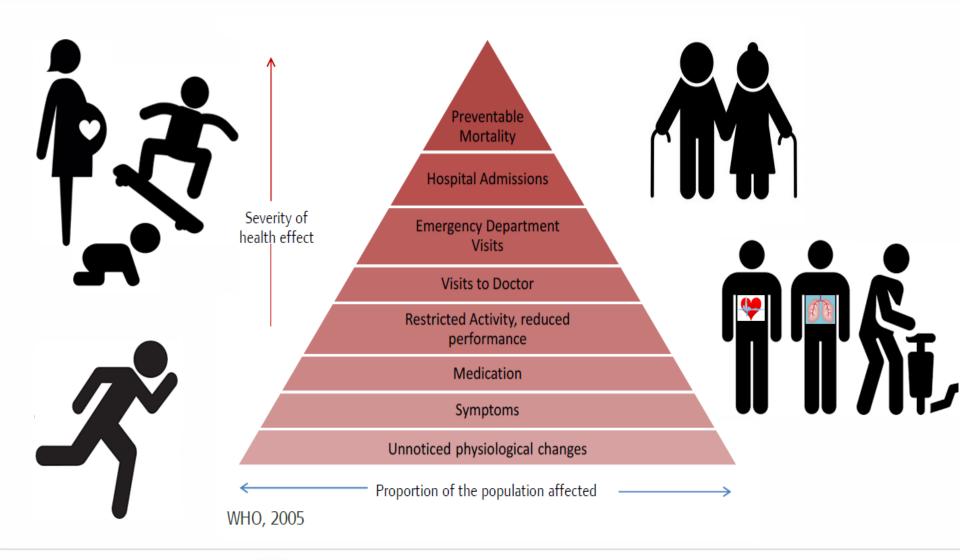
Health Impacts of Air Pollutants

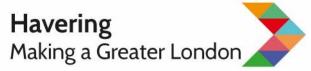




Who is Most at Risk?



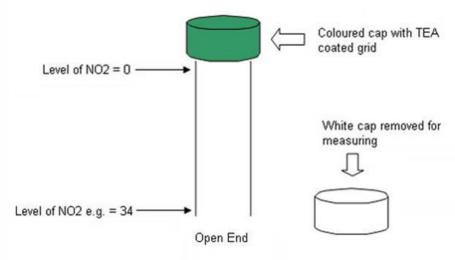




Measuring Air Quality











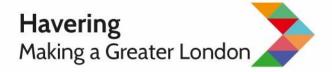




National Air Quality Standards & Objectives Marketing

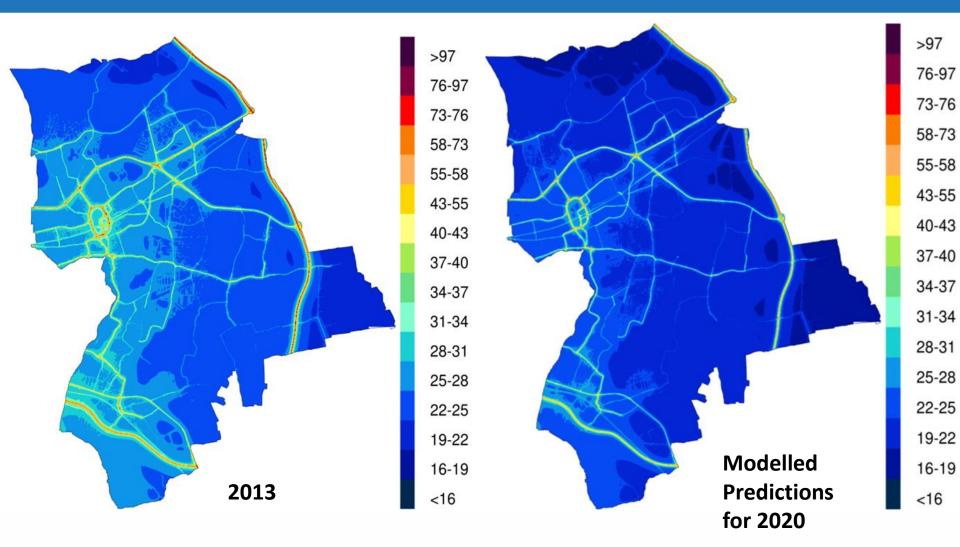


Pollutant	UK Objective	Averaging Period	Date (by which to be achieved and maintained thereafter)
Nitrogen dioxide - NO ₂	200 μg m ⁻³ not to be exceeded more than 18 times a year	1-hour mean	31 Dec 2005
	40 μg m ⁻³	Annual mean	31 Dec 2005
Particles - PM ₁₀	50 μg m ⁻³ not to be exceeded more than 35 times a year	24-hour mean	31 Dec 2004
	40 μg m ⁻³	Annual mean	31 Dec 2004
Particles – PM _{2.5}	25 μg m ⁻³	Annual mean	2020
	Target of 15% (20% EU) reduction in concentration at urban background locations	3 year mean	Between 2010 and 2020



Annual Mean NO₂ Concentrations

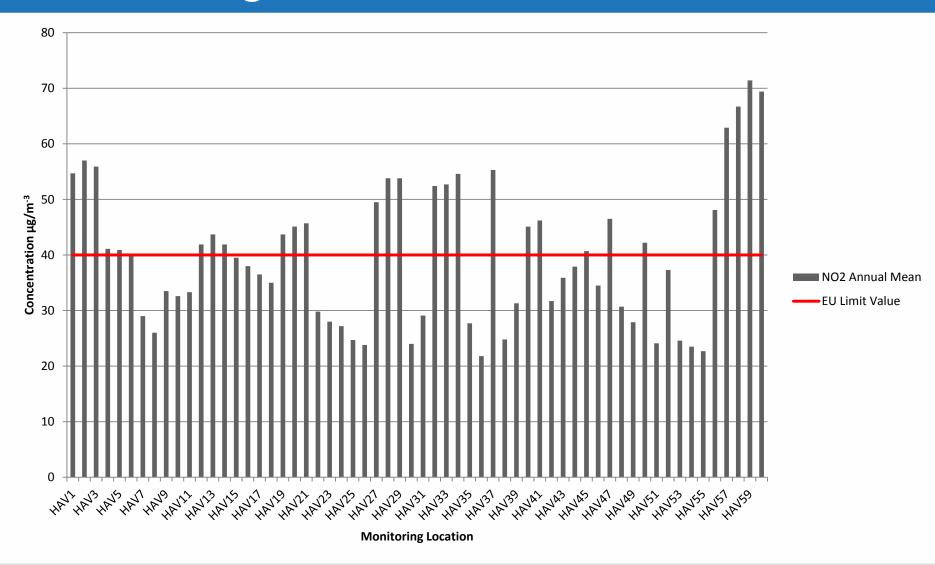






LBH Monitoring versus EU Limit Value

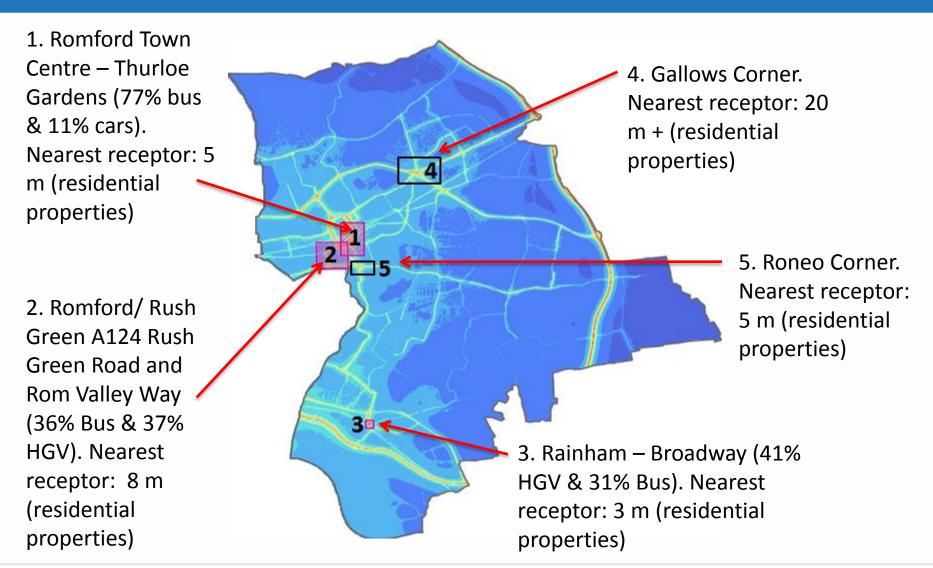






Local 'Hotspots' in Havering

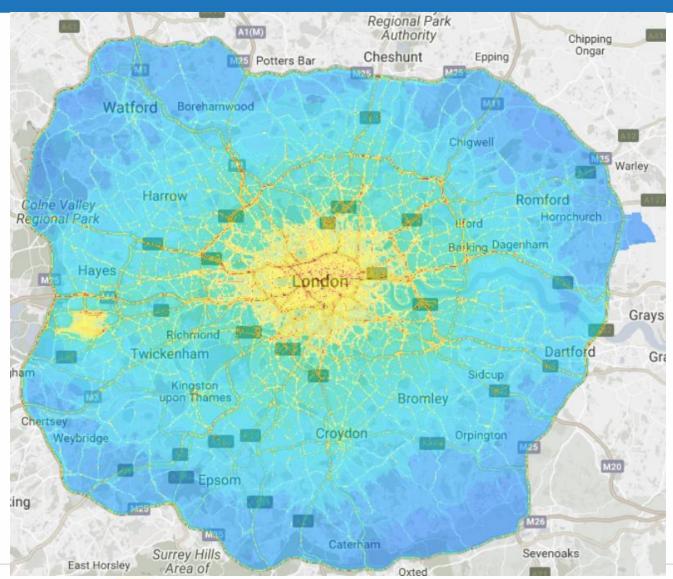






Annual Mean NO₂ Concentrations in London 2013







Why is Air Pollution important to Havering?





Household Composition mainly composed of

Married Couples
Pensioners with dependent children

61.7 per 100,000 deaths from COPD

(London = 49.9; England = 52.6) 5.1% of all-cause mortality attributable to pollution (London = 5.6%;

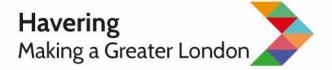
England = 4.7%)

1 in 3 people have at least





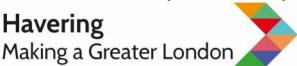




What are we currently doing?



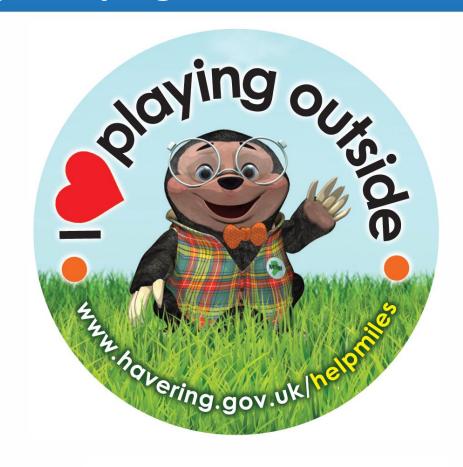
- Public Space Protection Orders (PSPOs)
- Air Quality Monitoring Network
- Promotion of AirTEXT app http://www.airtext.info/signup
- Delivery of Air Quality initiatives in schools (Smarter Travel)
- 'Clean-up' of Havering's fleet vehicles
- Inclusion of Air Quality Projects within the Youth Travel Ambassador Scheme
- Air Quality Policies included in Local Plan
- Air Quality Awareness and Behaviour Change Campaign
 - Miles the Mole "Do your Share & Let's Clear the Air"
 - Accompanied by live performance and lesson plans



Miles the Mole Air Quality Campaign









NATIONAL AIR QUALITY

Conference & Awards Finalist 2017



Miles the Mole in Primary Schools

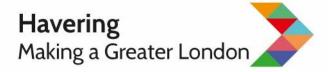




Future Air Quality Actions?



- We need to take a variety of action across the council to improve air quality. Examples include:
 - Deliver schemes that provide options for people to travel sustainably
 - Promote walking, cycling, use of public transport and STARS accredited travel planning programme
 - Lobby TfL to invest in improved public transport in Havering, such as crossborough transport e.g. Rainham to Romford
 - Consider energy usage and provision of sustainable transport in all growth and development projects
 - Assess the Council's own fleet vehicles and sustainable travel policies and practices
 - Monitoring & modelling to ensure we have intelligence on air quality hotspots
 - Greater cross-departmental working, e.g. with planning, regeneration, transport planning, housing & economic development



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