

Health impacts of air pollution: evidence and responses

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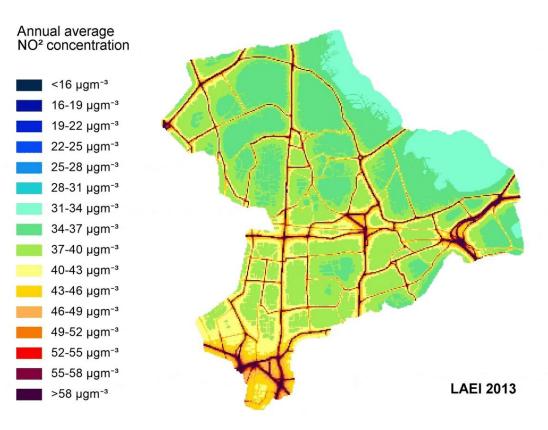
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1. Introduction

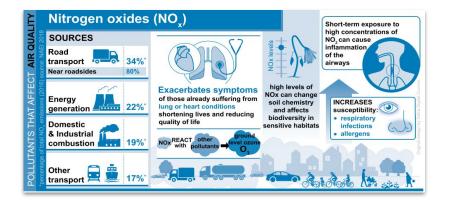
2. Air Quality in Hackney - the local picture

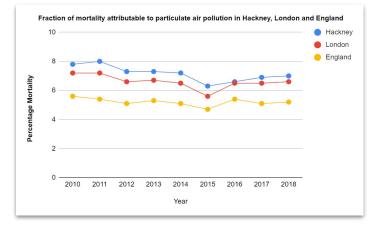




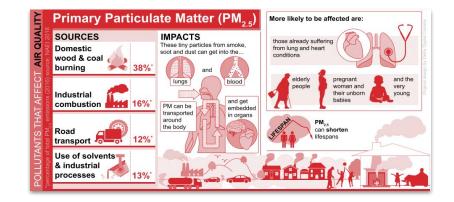
Hackney

3. Health impacts of air pollution in Hackney





Graph 1: Fraction of mortality attributable to particulate air pollution (PHE, 2020)



	PM _{2.5}	NO ₂
Primary Care	£4.6m	£3.8m
Secondary Care	£12.0m	£5.5m
Medication	£8.6m	£5.1m
Social Care	£5.1m	£5.3m
Combined Costs	£30.3m	£19.7m

Table 1: Estimates the costs to local health and care services of $\rm PM_{2.5}$ and NO_2 (LBH, JSNA Draft)

4. National guidance and evidence-based recommendations for public health action on air quality

Summary of National Institute for Health and Care Excellence (NICE) Guidance NG70

- Include air pollution within local strategic plans and processes
- Consider air quality within plans for new developments or regeneration programmes
- Consider ways to reduce or mitigate road-traffic-related air pollution
- Consider the implementation of local, potentially cross-borough clean air zones, which act to promote zero or low emission travel and discourage motorised vehicular travel.
- Ensure that air quality is considered within decisions around public sector fleet procurement
- Provide information to the public and health professionals about the impacts of poor air quality on health, and how to reduce local air pollution and minimise exposure to it.
- Develop infrastructure for active travel to support and encourage cycling and other forms of active travel.

4.2 Summary of recommendations from Public Health England evidence review of interventions to improve outdoor air pollution

- Local authorities need to work together: joint working is needed to reduce all pollution, rather than displace it from one populated area to another
- Effective strategies require a coherent approach across partners and organisations.
- Everyone has a role to play: individuals need to change behaviours to reduce exposure to and contribution to pollution, and local authorities need to provide leadership and coordinate action.
- Implement targeted interventions to address specific local sources or issues e.g. anti-idling interventions in pollution hotspots or near vulnerable groups (including school children).
- Reduce air pollution at the source to mitigate the consequences: prevent, mitigate and avoid.

Figure 1: Air pollution intervention hierarchy



- 5. Local action to improve air quality
- 6. Hackney's Air Quality Action Plan (AQAP) 2021-2025



























7. Action on air quality in partnership with our neighbours and at London level

- Hackney regularly collaborates with our neighbours.
- Hackney has recently been awarded funding from Defra for an air quality and public health project.
- London wide initiatives.



8. Next Steps and Conclusion

- Continued delivery of the Air Quality Action Plan.
- Update of Hackney and City of London Joint Strategic Needs Assessment.
- Ensuring public health forms an integral part of air quality management in the borough.

