



CHILL air pollution and health study: information for schools, parents and children



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Children's Health in London & Luton



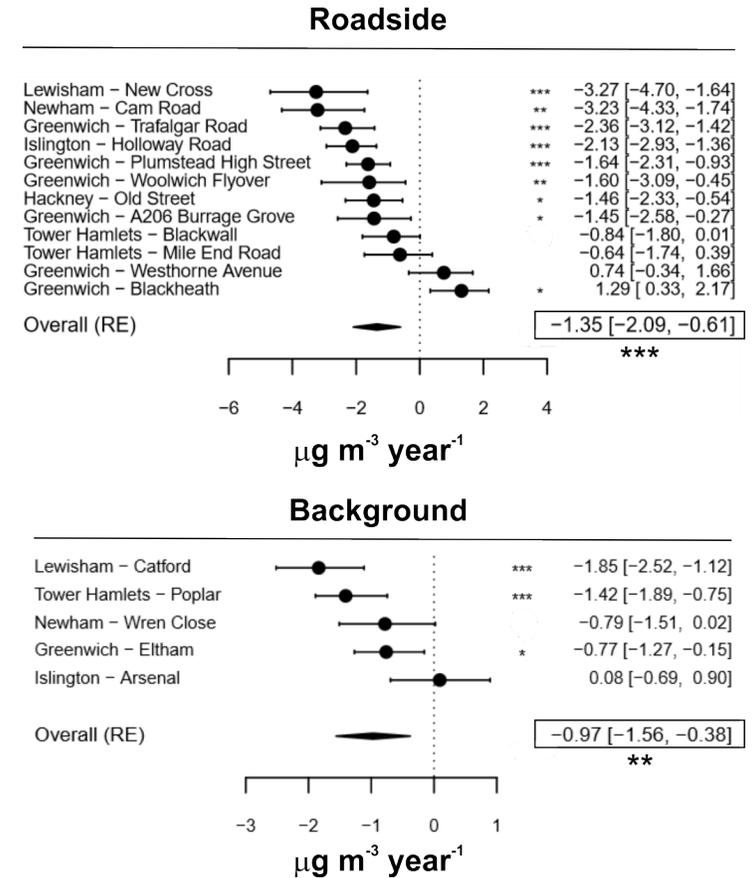
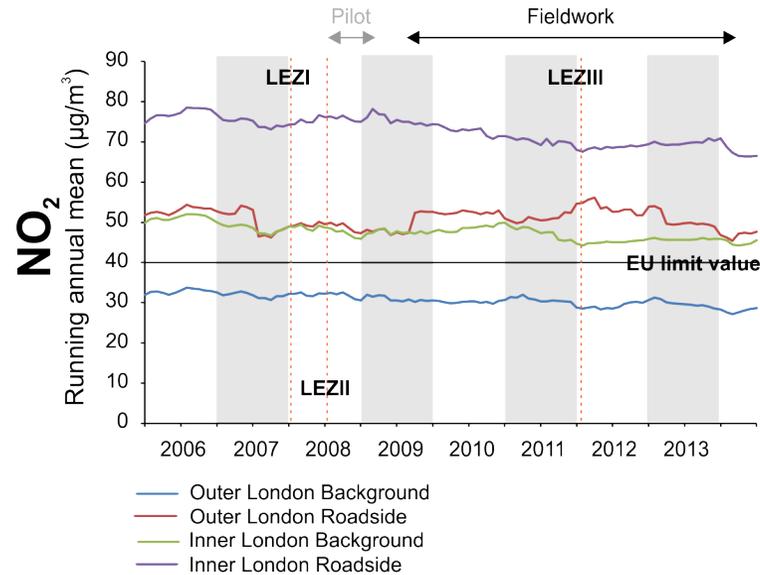
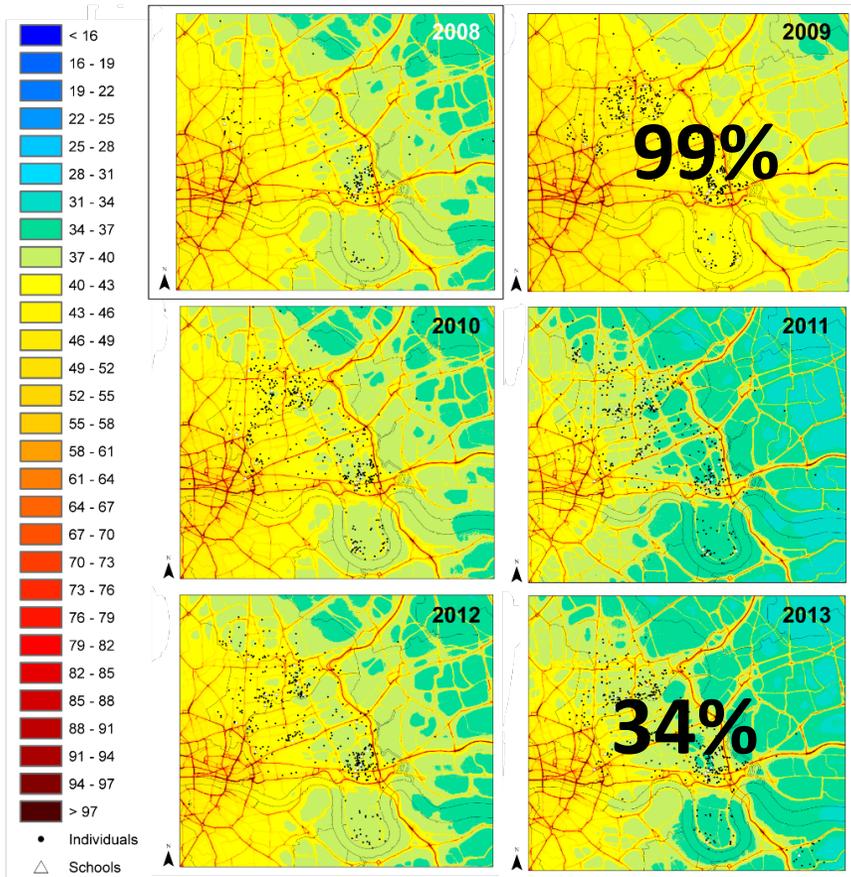
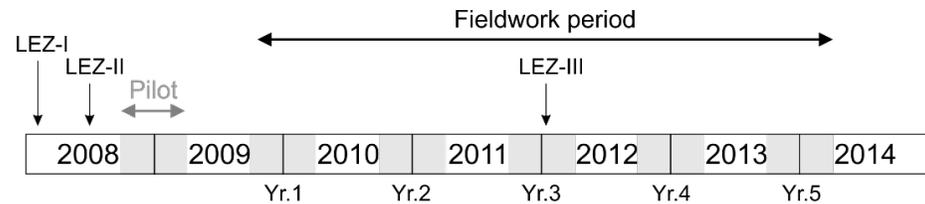
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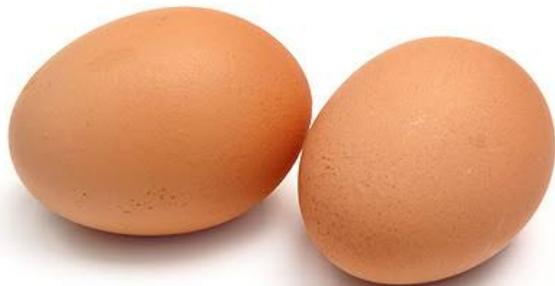
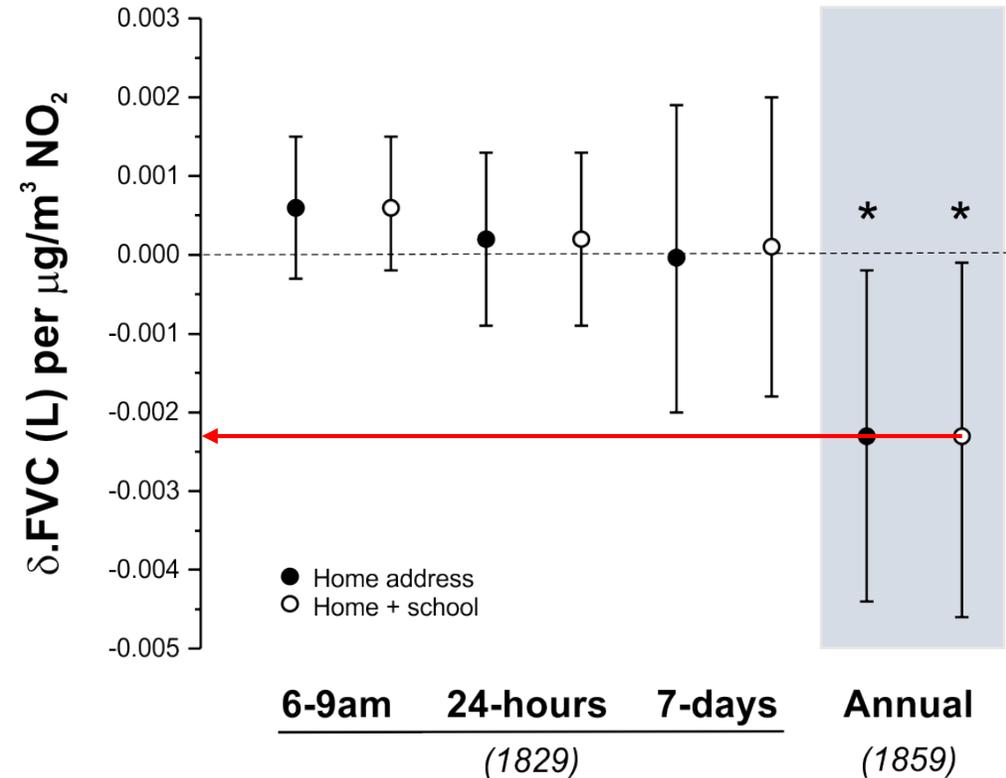
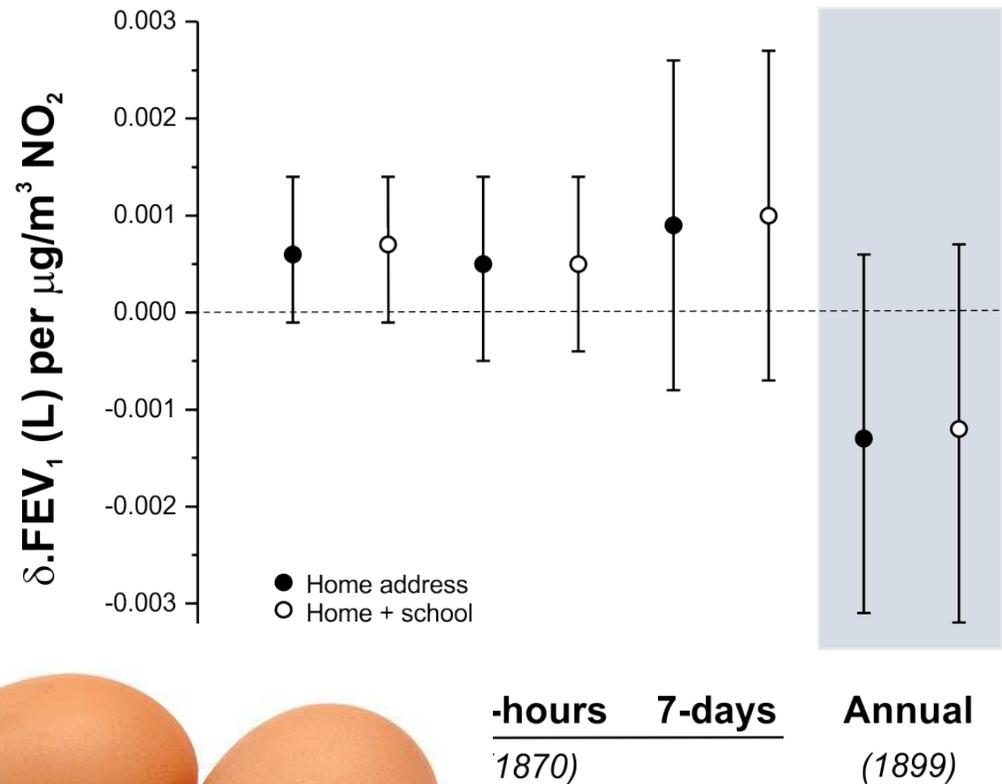
National Institute
for Health Research

<https://www.qmul.ac.uk/chill/>

Background - EXHALE



NO₂ impact on lung function



CHILL – ULEZ intervention study

Children’s Health in London and Luton



Population: Children aged 6-9 yrs old, recruited in 26 London primary schools (years 2, 3, 4) within the Central London ULEZ area

Intervention: Ultra Low Emission Zone

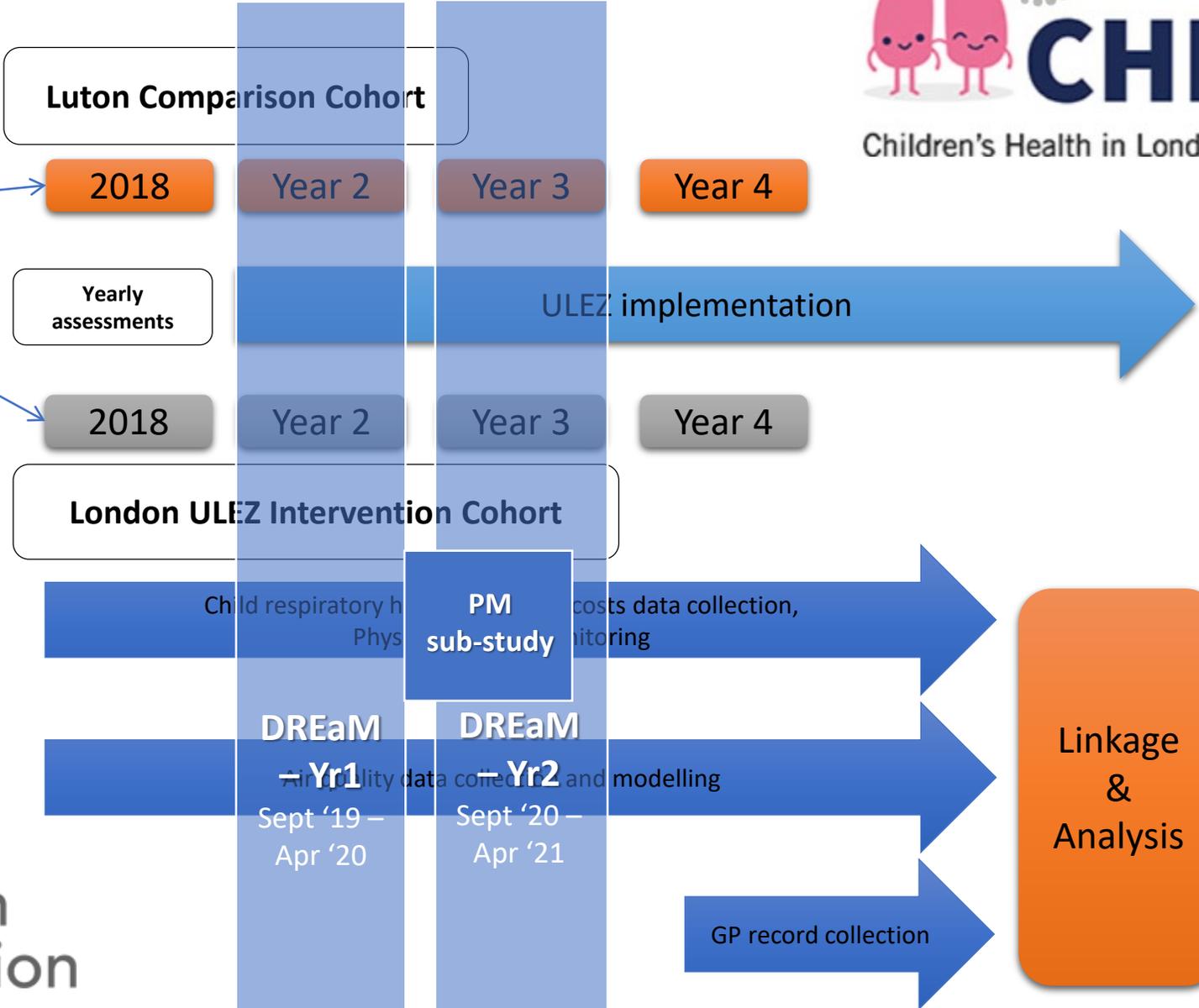
Comparison: Children aged 6-9 yrs old, recruited in 26 Luton primary schools (years 2, 3, 4)

Outcome:

PRIMARY: Lung growth (post-bronchodilator forced expiratory volume in one second, FEV₁)

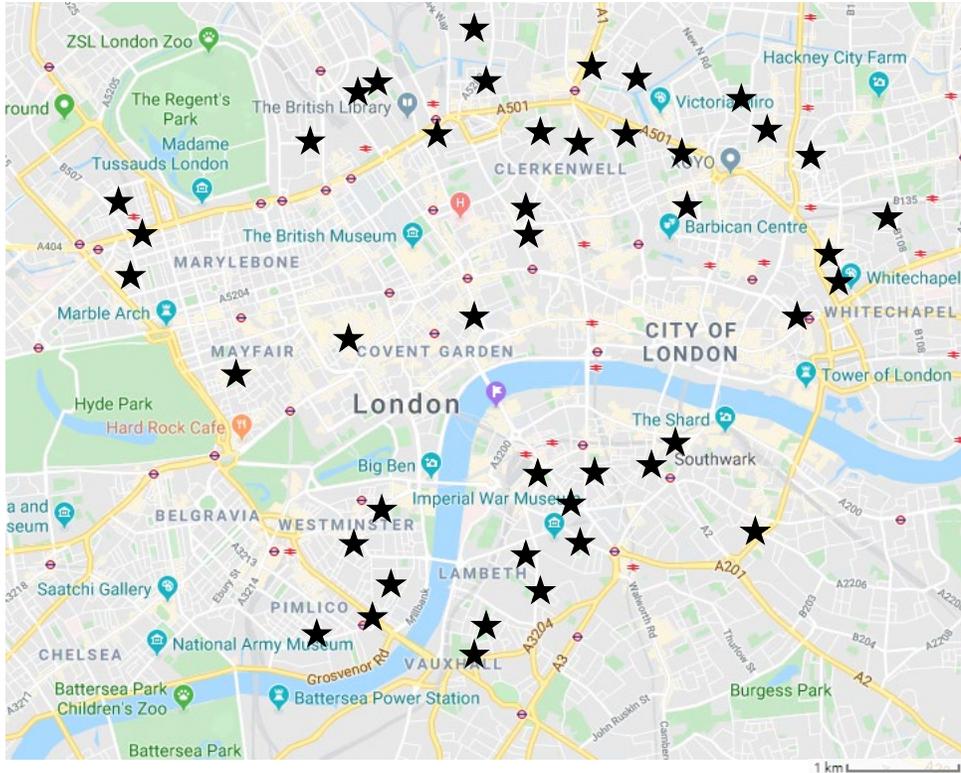
SECONDARY: Air quality, forced vital capacity (FVC), health status (respiratory symptoms), respiratory infections, QOL, health care use, health costs

CHILL & DREaM



CHILL School locations

London



Luton



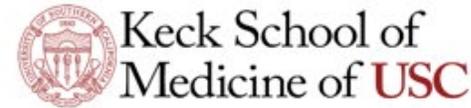
London: 44 schools

Luton: 38 schools

Total: 3065: 1526 London; 1539 Luton

Spirometry: 82% London; 83% Luton

CHILL – DREaM Team & Partners



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