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

CHILL



CHILL

Children's Health in London & Luton

SUPPORTED BY

NIHR National Institute for Health Research

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

CHILL

Background - EXHALE

Individuals
Schools



Lancet Public Health. 2019 Jan;4(1):e28-e40

NO₂ impact on lung function



Lancet Public Health. 2019 Jan;4(1):e28-e40

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



Children's Health in London & Luton



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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THE UNIVERSITY

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