

Call for evidence: What is the effectiveness of residential street level design characteristics in reducing chronic and non-communicable disease: a systematic review.

This review is part of a Doctoral Research programme by Mark Drane at the University of the West of England under the supervision of Dr Laurence Carmichael, Head, WHO Collaborating Centre for Healthy Urban Environments.

Thank you for taking the time to consider this request for evidence. We are undertaking a systematic review of evidence for the above question. Chronic and non-communicable diseases (NCDs) are a great challenge for health systems and societies globally and we are interested in identifying studies that investigate associations between multiple design characteristics of where people live (residential streets) and these health outcomes (chronic & NCDs).

Our focus is residential street design but please include neighbourhood studies and we will screen these for relevance to streetscape. Our full inclusion criteria in the systematic review of evidence are below for reference. It is our intention to publish this review in a peer reviewed academic journal on completion and we would of course be happy to share a copy with anyone contributing evidence for the review.

PICO Eligibility Criteria:	Inclusion criteria for screening:
Population:	<input type="checkbox"/> <i>No restriction</i>
Intervention: Is a street design characteristic (must be multiple factors)?	<input type="checkbox"/> Yes (included), subject to: <input type="checkbox"/> ≥2 design characteristics (included) <input type="checkbox"/> GIS + 1 other characteristic (included) <input type="checkbox"/> GIS measured characteristics only (excluded) <input type="checkbox"/> Air quality measured at study site (included) <input type="checkbox"/> Air quality generally (excluded) <input type="checkbox"/> No (excluded)
Intervention: Physical environment characteristic?	<input type="checkbox"/> Yes (included) <input type="checkbox"/> No (excluded)
Intervention: Internal environment or external environment?	<input type="checkbox"/> Internal (excluded) <input type="checkbox"/> External (included) <input type="checkbox"/> Internal + External (included)
Intervention: At a street scale?	<input type="checkbox"/> Yes (included) <input type="checkbox"/> No (excluded) <input type="checkbox"/> Neighbourhood studies with elements related to street design (included) <input type="checkbox"/> Neighbourhood infrastructure 'beyond' the street (excluded)
Intervention: Type of streets	<input type="checkbox"/> Residential (included) <input type="checkbox"/> Mixed Use including Residential (included) <input type="checkbox"/> Non-residential (excluded)
Comparator / Control:	<input type="checkbox"/> Not restricted
Outcome: is a chronic or non-communicable disease?	<input type="checkbox"/> Yes (included) <input type="checkbox"/> Key risk factors: physical activity, smoking, alcohol, etc. (included) <input type="checkbox"/> No (excluded)
Method:	<input type="checkbox"/> Quantitative (included) <input type="checkbox"/> Mixed methods (included) <input type="checkbox"/> Qualitative (excluded)

Please do not hesitate to contact us for further details or clarification.

Yours faithfully,



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