

Systematic Review

Title: Envisioning Happy Places For All: A systematic review of the impact of transformations in the urban environment on the wellbeing of vulnerable groups

Supplementary File S2 – Inclusion criteria and searches

Order of criteria for exclusion:

1. Wrong population
2. Wrong intervention (not urban design or planning)
3. Wrong context (if not urban)
4. Wrong outcome
5. Wrong publication
6. Wrong study design
7. Wrong language

PICOS Dimension	Inclusion Criteria	Exclusion Criteria
Population – Vulnerable communities	Gender – women & men Age – children and older people Functional status – People with disabilities (physical, sensory, mental, hidden) Socio-economic status (income, access to education) Race Ethnic status	Religious beliefs Sexual orientation Political orientation
Exposure - INTERVENTIONS Experiences and views of changes in urban planning and design	Changes to physical aspects of environmental design of outdoor spaces, including <ul style="list-style-type: none"> - Accessibility - Permeability - Street layout - Green infrastructure - Blue spaces - Architecture 	Changes we don't focus on: <ul style="list-style-type: none"> - Social issues or social interventions - Health interventions - Lifestyle interventions
Exposure - CONTEXT	The setting of interest include: <ul style="list-style-type: none"> • Urban places (city, suburbs, villages) • Outdoor environments 	Settings to exclude: <ul style="list-style-type: none"> - Indoor environments (Residential/Commercial) - Natural/wild/rural settings with no elements of urban design/planning
Outcome – Wellbeing	Mental wellbeing Cognitive wellbeing	General health Physical health

	<p>Psychological wellbeing Broader sense of “being well” in a place:</p> <ul style="list-style-type: none"> - belonging (Place attachment, Place identity, sense of place, social wellbeing) - Agency (residential satisfaction, perceived safety, perceived quality) <p>Other measures related to psychological wellbeing:</p> <ul style="list-style-type: none"> - Quality of life 	Socio-economic status
Study design	Quantitative, qualitative or mixed-methods research involving citizens and users	Studies for which the design is unclear or not stated
Type of publication	<p>Any type of publication where:</p> <ul style="list-style-type: none"> • Changes in urban design that have occurred are explored in terms of the impact the wellbeing on vulnerable groups, somehow assessed either quant, qual. <p>OR</p> <ul style="list-style-type: none"> • The experiences or perceptions of vulnerable groups are explored in relation to potential changes. 	Any type of publication related to the topic but not clearly describing on one or more defined interventions as per above criteria

Database searches

Keywords

Lived environment transformation	Wellbeing	Experience
Just transition	Wellbeing	Equity
Urban transition	Belonging	Equitable
Urban renovation	Mental Health	Equalit*
Urban retrofitting	Stress	inequalit*
Ecological integrity	Anxiety	inequit*

Urban transform*	Depression	disparit*
Urban design	Happiness	sustainable
Urban planning	Mood	Empower*
Happy places	Quality of life	
Community development	Satisfaction	
Community intervention*	Flourishing	
Community building	Cognitive health	
Urban intervention*		

Search String (based on Scopus)

(TITLE-ABS-KEY ("Just transition" OR "Urban transition" OR "Urban renovation" OR "Urban retrofit" OR "Ecological integrity" OR "Urban transform*" OR "Urban design" OR "Urban planning" OR "Happy places" OR "Community development" OR "Community intervention*" OR "Community building" OR "Urban intervention*"))

AND

(TITLE-ABS-KEY (wellbeing OR belonging OR "Mental Health" OR stress OR anxiety OR depression OR "Happiness Mood" OR "Quality of life" OR satisfaction OR flourish* OR "Cognitive health"))

AND

(TITLE-ABS-KEY (equity OR equitable OR equalit* OR inequalit* OR inequit* OR disparit* OR sustainable OR empower*))

Search results

Database (27-29 Apr)	Number of items
Scopus	1,496
Web of Science	725
Academic Search (EBSCO)	772
PsychInfo (EBSCO)	391
PubMed	181