TRUUD

Tackling Root causes Upstream of
Unhealthy Urban Development

Mapping the complex system of (unhealthy) urban development

UKPRP Webinar, 13th December 2021

Krista Bondy (University of Bath) & Sarah Ayres (University of Bristol)

Festival of the Future City

How Do We Build Healthier Cities?

UKPRP Prevention Research Partnership

Bristol ideas

University Consortium

City/Combined Authority Partners

University of BRISTOL

UNIVERSITY OF BATH

GMCA GREATER MANCHESTER COMBINED AUTHORITY

UWE Bristol University of the West of England

MANCHESTER 1824 The University of Manchester

University of Reading

BRISTOL CITY COUNCIL

Research Funders

British Heart Foundation

CANCER RESEARCH UK

CHIEF SCIENTIST OFFICE

EPSRC Engineering and Physical Sciences Research Council

E·S·R·C ECONOMIC & SOCIAL RESEARCH COUNCIL

Ymchwil Iechyd a Gofal Cymru Health and Care Research Wales

HSC Public Health Agency Research and Development

MRC Medical Research Council

NERC SCIENCE OF THE ENVIRONMENT

NIHR National Institute for Health Research

The Health Foundation

W wellcome

Professional Membership Partners

UK GREEN BUILDING COUNCIL

tcpa

Office for Health Improvement & Disparities

RTPI Royal Town Planning Institute

Urban Land Institute

Creative Partners

Event Contributors

KNOWLE WEST MEDIA CENTRE

UMBERSLADE Property.Land.Asset Management.

L

Spatia

Phase 1 / Yrs 1-2

Phases 2-3 / Yrs 3-4

Mapping & Understanding

Intervention co-production
(& evaluation)

Primary Engagement
(interviews, workshops)

Economic Valuation

Public Involvement
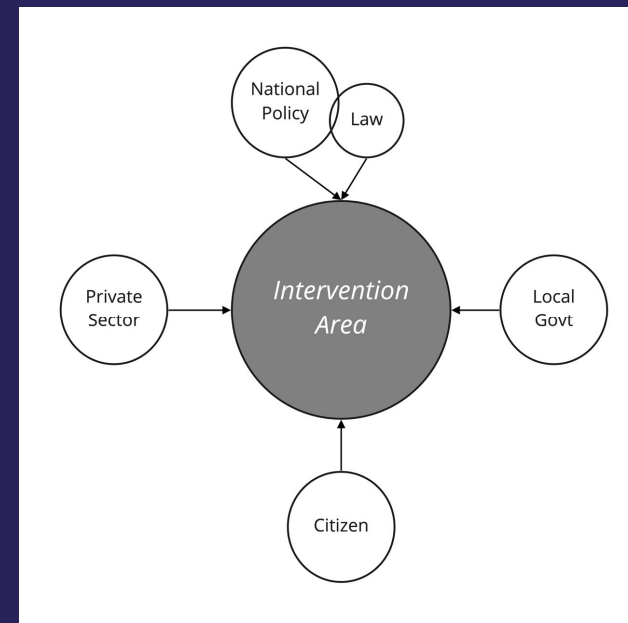
Work package 1: Research questions

- **System Mapping (Phase 1):**
  - What are the main components of the UK's urban planning and development system, how does it function, and how might health impacts be better integrated within it?

- **Intervention design, testing & refining (Phases 2 & 3):**
  - What impact does new evidence on health outcomes have on the attitudes and behaviours of those with most control over the urban development process?

Work package 1: Team

Data Gathering Teams	Name	Institution	Expertise
1	Sarah Ayres	Bristol	Public Administration/Devolution
	Andrew Barnfield	Bristol	Urban Studies/Local Government
2	Anna Le Gouais	Bristol	Researcher in Residence (Bristol) - Urban Development
3	Nick Pearce	Bath	Public Administration/Westminster
	Geoff Bates	Bath	Public Administration/Westminster
4	Dan Black	Bristol	Land/Developers/System
	Rosalie Callway	Bristol	Public Health/Urban Development/Systems
5	Kathy Pain	Reading	Real Estate
	Heeseo (Rain) Kwon	Reading	Real Estate/Planning
6	Krista Bondy	Bath	Management/Organisational behaviour
	Md Nazmul Hasan	Bath	Management/Corporate Governance
7	Cecilia Wong	Manchester	Spatial Planning
	Arpana Verma	Manchester	Public Health and Epidemiology
	Sian Peake–Jones	Manchester	Researcher in Residence (GMCA) - Economics/Transport
	Caglar Koksal	Manchester	Urban Planning
	Tracey Farragher	Manchester	Health
8	John Coggon	Bristol	Socio-Legal
	Lisa Montel	Bristol	Law (Public Health and Corporate)
Strategic and Theoretical Support			
	Neil Carhart	Bristol	Systems Approaches
	Judi Kidger	Bristol	Mental Health

Coproduction with project partners

Bristol City Council - Researcher (Anna Le Gouais) in the Regeneration Team - large scale **housing** development

Greater Manchester Combined Authority - Researcher (Sian Peak-Jones) in Economy Directorate - Streets for All (**transport**)

Streets for All

Our streets will be welcoming and safe spaces for all people, supporting more walking, cycling and public transport travel while still enabling those journeys that need to be done in private motorised vehicles.

| Network | Bus Reform / QBT | GM freight & logistics plan | Carbon Reduction | Future Mobility | Congestion Deal | Clean Air Plan | Road Safety | High streets / local centres | GM Moving | Spatial / Develop-ment Planning |

Stakeholder mapping

Two explicit criteria informed the interview sample:
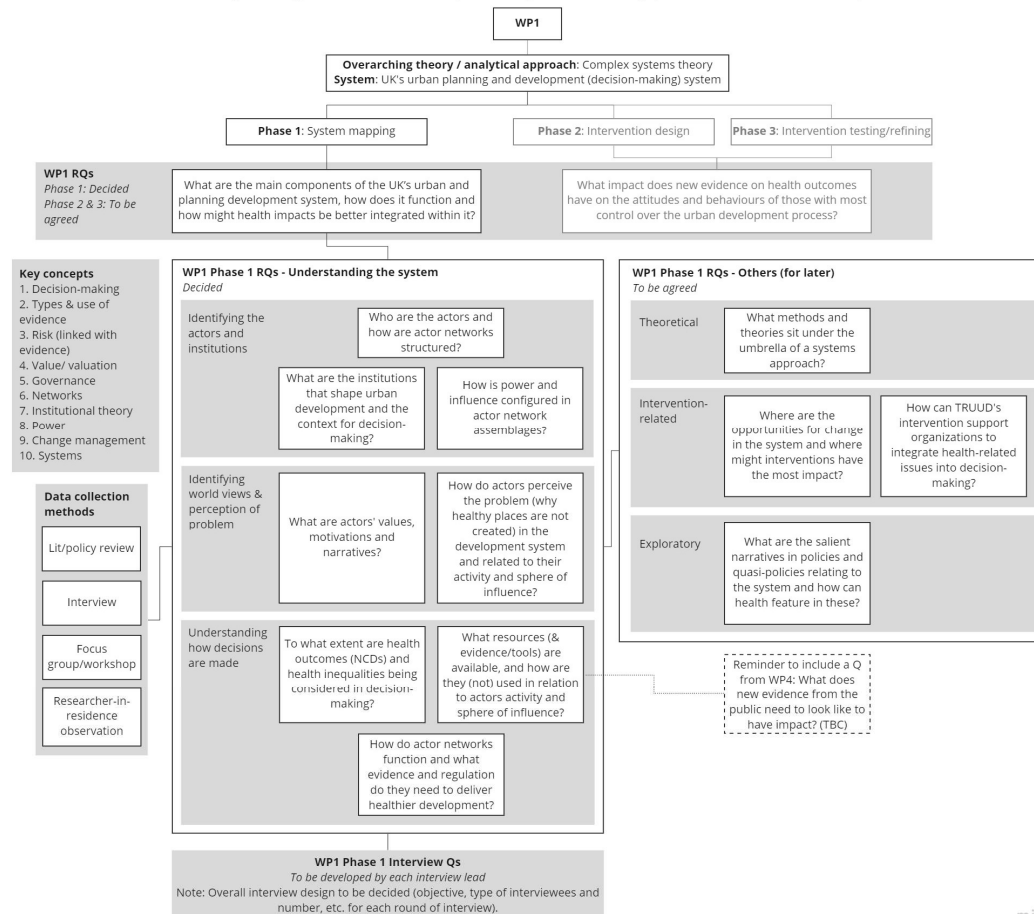
1. **Influence**

   a. Formal position
   b. Place in the process of decision-making
   c. Causation/centrality

2. **Understanding of the system**

Research questions guiding data collection

WP1 Phase 1 RQs in a Hierarchy_as of 3Mar2021

Note: This diagram organises the themes and overarching RQs compiled from various WP1 activities (including concept reviews) under the WP1 RQs, following the "actor, game, and network (AGN) analysis." While not illustrated, many of these questions link with one another and link to other work packages too. In general, the whole of 'Phase 1: System mapping' feeds into 'Phase 2: Intervention design'. This diagram focuses on WP1 Phase 1 (hence other phases are coloured grey and are to be revisited at a later date).

WP1

Overarching theory / analytical approach: Complex systems theory
System: UK's urban planning and development (decision-making) system

Phase 1: System mapping | **Phase 2**: Intervention design | **Phase 3**: Intervention testing/refining

WP1 RQs
Phase 1: Decided
Phase 2 & 3: To be agreed

What are the main components of the UK's urban and planning development system, how does it function and how might health impacts be better integrated within it?

What impact does new evidence on health outcomes have on the attitudes and behaviours of those with most control over the urban development process?

Key concepts
1. Decision-making
2. Types & use of evidence
3. Risk (linked with evidence)
4. Value/ valuation
5. Governance
6. Networks
7. Institutional theory
8. Power
9. Change management
10. Systems

Data collection methods

Lit/policy review

Interview

Focus group/workshop

Researcher-in-residence observation

WP1 Phase 1 RQs - Understanding the system
Decided

Identifying the actors and institutions

Who are the actors and how are actor networks structured?

What are the institutions that shape urban development and the context for decision-making?

How is power and influence configured in actor network assemblages?

Identifying world views & perception of problem

What are actors' values, motivations and narratives?

How do actors perceive the problem (why healthy places are not created) in the development system and related to their activity and sphere of influence?

Understanding how decisions are made

To what extent are health outcomes (NCDs) and health inequalities being considered in decision-making?

What resources (& evidence/tools) are available, and how are they (not) used in relation to actors activity and sphere of influence?

How do actor networks function and what evidence and regulation do they need to deliver healthier development?

WP1 Phase 1 RQs - Others (for later)
To be agreed

Theoretical

What methods and theories sit under the umbrella of a systems approach?

Intervention-related

Where are the opportunities for change in the system and where might interventions have the most impact?

How can TRUUD's intervention support organizations to integrate health-related issues into decision-making?

Exploratory

What are the salient narratives in policies and quasi-policies relating to the system and how can health feature in these?

Reminder to include a Q from WP4: What does new evidence from the public need to look like to have impact? (TBC)

WP1 Phase 1 Interview Qs
To be developed by each interview lead
Note: Overall interview design to be decided (objective, type of interviewees and number, etc. for each round of interview).

miro

Interviews by sector

Team	T1	T2	T3	T4	T5	T6	T7
Sector	Local Government and Devolved Whitehall Teams	Bristol Council and WECA Officers	National Government	Housing Developers and Land Management Consultants	Real Estate and Finance	Private Sector and Financial Institutions	Planning, Transport, and Health Partners Manchester (GMCA)
Interviews	24	16	14	13	19	22	19

Total interviews: 127
Average time: 56.83 minutes

Emerging findings

INSIGHTS

☑	Broad agreement across system-wide actors as to root causes of poor health & wellbeing in urban spaces

PATTERNS

🏛	Priority, policy and practice alignment & coordination
🍃	Compatibility of health & sustainability
*	Diversity & inclusion
📐	Local authority influence
🧠	Knowledge
⚔	Conflicting political messaging
〜	Defining health
〜	Valuing health
🤲	Decision making power

* Diversity by Cara Foster from NounProject.com

Emerging findings

PROBLEM SPACES

🚗	Car-centric culture
	Local authority influence
	Planning clarity & responsibility
	Policy alignment and coordination
	Peripheral role of health
	Diversity & inclusion
	Understanding health impacts
	Short-term profitability

INTERVENTIONS

	Changes to regulations/standards
	Fill evidence gap
	Train & educate
	Tell persuasive stories
	Engender collaboration

* Diversity by Cara Foster from NounProject.com

Next steps

1. Integrated data sets
2. Co-production of intervention priorities
   a. Narrowing of priority problem spaces
   b. Identification and critical evaluation of existing and potential interventions within these spaces
   c. Intervention design & testing

GOAL – start to unravel some of the wicked and long-standing problems that are creating poor and different health outcomes in urban areas

Contact

---

truud.ac.uk

Email: **truud@bristol.ac.uk**

🐦 **@ResearchTruud**

University Consortium

City/Combined
Authority Partners

Creative Partners

Professional Membership Partners

Research Funders

Acknowledgements