Designing for Health System Resilience

Examples from the UK and Scottish National Health Service (NHS)
Professor Liz Grant
Planetary Crisis

A world out of balance
Biodiversity loss

Planetary Crisis

Pollution

Climate change

A world out of balance
A world out of balance

- Biodiversity loss
- Planetary Crisis
- Pollution
- Climate change

- Inequitable access
- Health Crisis
- Increasing health emergencies
- Declining health metrics
A world out of balance

- Biodiversity loss
- Planetary Crisis
- Pollution
- Climate change
- Inequitable access
- Health Crisis
- Declining health metrics
- Increasing health emergencies
- Conflict
- Societal crisis
- Cost of living
- Mistrust (misinformation & cybersecurity)

Increasing health emergencies
Realistic medicine
Realistic medicine

Delivering Value Based Health & Care
A Vision For Scotland

- Reduce Unwarranted Variation
- Managing Risk Better
- Become Improvers and Innovators

- Shared Decision Making
- Personalised Approach To Care
- Reduce Harm and Waste
Anchor institutions contribute to well-being
Anchor institutions contribute to well-being

Deliver careful and kind care that will create the fairer and more sustainable systems we all want to see

NHS Scotland - a net zero organisation
Health and Social Care Partnerships
Centre for Sustainable Delivery (CfSD)
Scottish Government Care & Wellbeing Portfolio
NHS Scotland Climate Emergency Strategy
Public Health Scotland (PHS)
Healthcare Improvement Scotland (HIS)
NHS Education for Scotland (NES)
Demand and Optimisation Team with the Atlas of Variation
All Sectoral Partners
Third Sector Organisations
Universities
Our Community of people

Collective & Collaborative Action
| Finance and Resources | Ensure appropriate finance and resources to follow the Regional Resilience Journey
Develop data, capabilities, policy, governance & green budgeting to support an investment plan
Develop an Adaptation Investment Plan |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Knowledge & Data      | Ensure access to and use of available knowledge & data supporting the transition climate resilience
Further develop data & knowledge base and provision to underpin transformation |
| Governance, Engagement & Collaboration | Establish structures for multilevel governance and mobilise local/regional ecosystem for change
Cultivate collaboration and provide for diverse stakeholders engagement and conflict resolution |
| Capabilities & Skills | Build capacities to facilitate and engage in transformational adaptation to climate change
Provide for the re- and up-skilling needed to ensure a just transition to climate resilience |
| Behavioural Change    | Increase awareness and engage for climate resilience
Improve the use of social tipping points & systemic leverage points to accelerate transformations |
| Experiment, Learn & Reflect | Experiment, exchange, and learn together throughout the resilience journey
Pivot and adjust relevant part, e.g. the shared vision, theory of change, portfolio, enabling cond. |
PREPARE THE GROUND

ESTABLISH A BASELINE
- Gather an evidence base
- Frame the problem and higher-level objectives

UNDERSTAND THE SYSTEM
- Map relevant system, dependencies and key obstacles
- Identify stakeholders, vulnerable groups and inequities

ASSESS RISKS & VULNERABILITIES
- Assess and prioritise current & future climate risks
- Assess capabilities, competencies and resources
BUILD A SHARED VISION

ENSURE OWNERSHIP & COMMITMENT
- Secure high-level support & activate diverse stakeholders

EXPLORE POSSIBLE FUTURES
- Foster engagement, exchange, build relationships, mobilise partnerships & collaboration
- Identify potentials and levers of change
- Explore possible futures

AGREE ON DESTINATION OF TRANSITION
- Run vision co-creation process
- Share and mobilise around the vision
- Outline how and why a desired change is expected to happen

DEVELOP A THEORY OF CHANGE
- Identify underlying assumptions
DEFINE PATHWAYS

IDENTIFY & ASSESS OPTIONS
- Gather an evidence base
- Frame the problem and set clear objectives
- Identify enablers, opportunities and threats
- Assess and prioritize current and future climate risks
- Assess capabilities, competencies and resources
- Identify options for climate adaptation and transformation to climate resilience
- Assess the effectiveness of options and their needs in terms of enabling conditions

CO-DESIGN A PORTFOLIO OF INTERVENTIONS
- Develop adaptation and transition pathways to climate resilience
- Develop innovative roadmap in support of pathways

PREPARE THE GROUND
- Conduct a literature review
- Develop a framework for analysis
- Identify key stakeholders and their roles

BUILD A SHARED VISION
- Engage with key stakeholders
- Develop a shared understanding of the climate resilience
- Ensure a transparent and inclusive process
- Build collective action and commitment
- Identify barriers and strategies to overcome
- Specify indicators and metrics to evaluate progress
Green Theatres
Social Prescribing

- Edinburgh
- Dumfries
NHS Sustainable Food Systems
“When I first found you
I kept them with me babe
I put them with my own
Can't make it all alone
I've built my dreams around you”