

WHO ARE WE?

THE ANH COLLECTIVE

B2B support



Parent: Non-profit / CARE approach

ANH International

Co-creating health by working with nature, not against it

- Campaigns
- Activism
- Research
- Education

Individual & community sustainability

Health creation

Implementing health creation through communities in the real world

SUSTAINABILITY

Supporting sustainability in husiness

Consultancy

ANH



Charitable Change Programmes

A COLLABORATION FOR SYSTEMIC HEALTHCARE CHANGE



WHAT ARE THE LEVERS FOR CHANGE?

FROM	ТО
Focus on diseases	Creating positive wellbeing
Doctors owning your health	You owning your health
Hospitals and clinics as the main setting	Your community as the main setting
Drug based interventions	Diet and lifestyle interventions
Symptom-based treatments	Natural balance across all body systems
Patients as passive recipients	Empowered, self-caring citizens

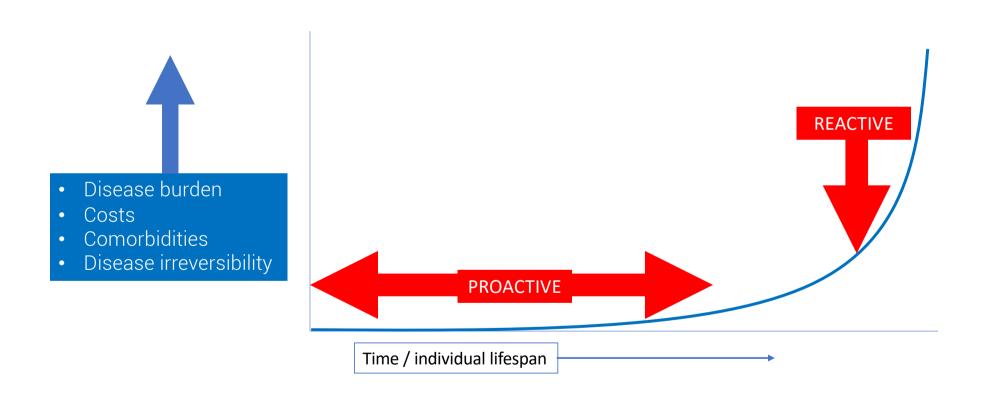


UN AGENDA 2030:

RIGHT PROBLEM IDENTIFICATION - WRONG SOLUTIONS



THE URGENT NEED TO TRANSITION FROM REACTIVE TO PROACTIVE HEALTH AND CARE



"TIME FOR A REVOLUTION"

- Lancet Global Health Commission (2018)



Dzau et al. JAMA. 2017; 317(14): 1461-1470.

future directions for their programs and initiatives, their leadership and strategic investment

in these priorities will be essential for achieving significant progress.



distant future; it should be the DNA of all health systems. LMICs cited negative experiences with their health SReder DeWan MD); New York

Furthermore, the human right to health is meaningless system in the areas of attention, respect, communi-

without good quality care because health systems cannot cation, and length of visit (visits of 5 min are common); Public treath, New York, NY

across platforms of care. One in three people across

on the extreme end of these experiences were USA(K)ordan MSC; The World

C Accompute PhD (U.M.) actio PhD

Kruk ME, et al. Lancet Glob Health. 2018; 6(11): e1196-e1252.

not be the purview of the elite or an aspiration for some

improve health without it



THE BLUEPRINT PROGRAMME: Proving the concept that has the power to make health care work for people and planet

- In Dec 2018, ANH-I published a report describing a **vision and blueprint** for health creation in response to the rising burden of global disease and its crippling impact on existing health systems around the world. Rob Verkerk published the first peer-reviewed journal article on the application of sustainability principles to health care in 2009
- The blueprint provides a framework and a universal language that enables all health professionals, and their communities, regardless of health status, inclusive of complementary and natural solutions, to engage in creating health solutions for themselves and for others while monitoring their effects
- The blueprint provides a model for health and care that is **sustainable**. It is based on key principles and learning that have previously been applied to other sectors, such as energy and agriculture
- The model has an 'upstream' focus which views an individual's 'health system' within an ecological context. At its core is the adoption of sustainability principles by healthcare providers, self-care that works with, rather than against, nature, and community-based health hubs that use the model
- The 'readiness' phase of implementation has begun with the intent of building a **cross-sector collaboration** underpinned with a **united movement**: partnerships, advisors, influencers and stakeholders. We need to jointly recognise the burning platform; align on the vision and mission; and, mobilise commitment for some meaningful action
- Consensus on how we design and test the model in the real world, enabled by a technology platform for scalability, will
 remain central to the implementation to uphold the integrity of the model with science and credible evidence of
 outcomes.
- The end game is wide scale adoption of the approach across all modalities and 'natural section' of health ecosystems (including foods, lifestyles and interventions) that are found to deliver the best outcomes for most people.



UP-STREAMING HEALTH & VITALITY

A Universal Health Assessment System

defined by function, not disease



Technology-Enabled, 3-level Guided and Self Care

starting with self, supported by Health Guides



A Sustainability Accreditation System for Health Guides & Providers

inclusive of bio-medical and natural health approaches



Population Health Outcomes

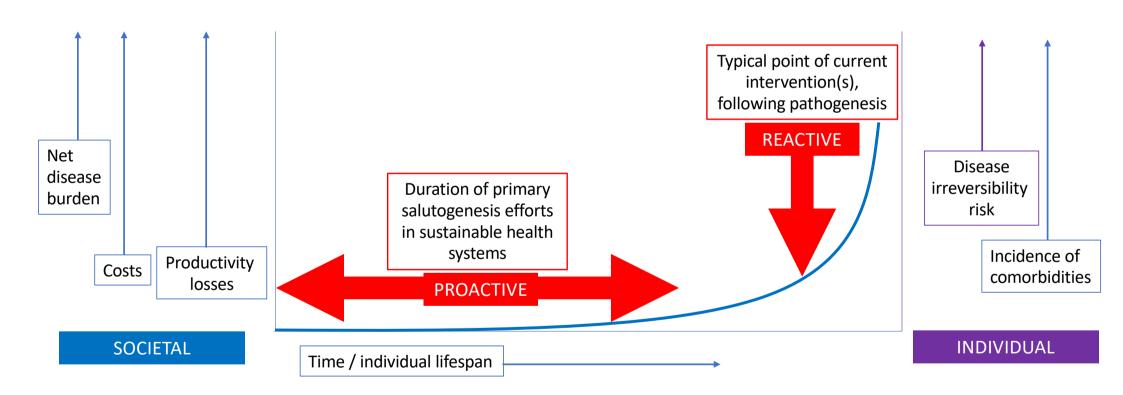
Chronic Disease Burden

Per Capita Health Cost



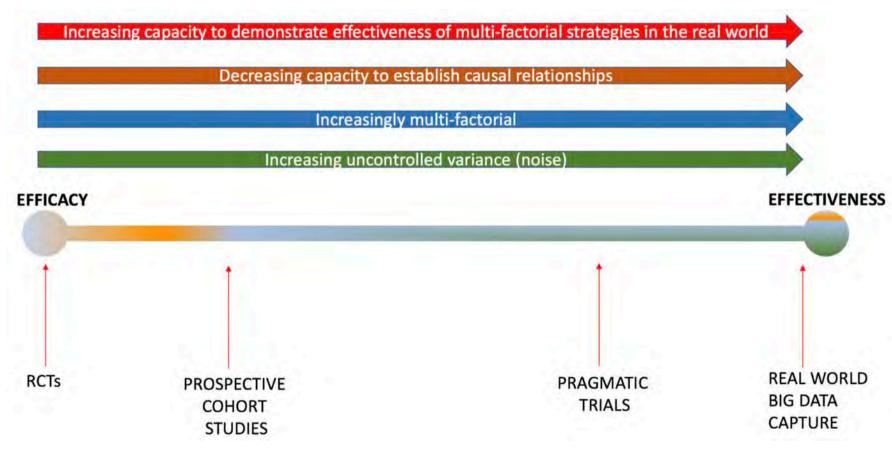


SOCIETAL AND INDIVIDUAL BENEFITS OF TRANSITION FROM REACTIVE TO PROACTIVE HEALTH AND CARE

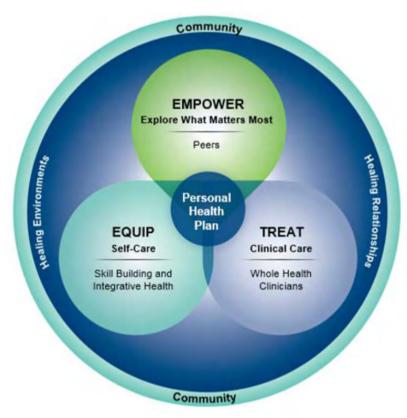


SHIFTING TO THE RIGHT SIDE OF THE EFFICACY-EFFECTIVENESS CONTINUUM

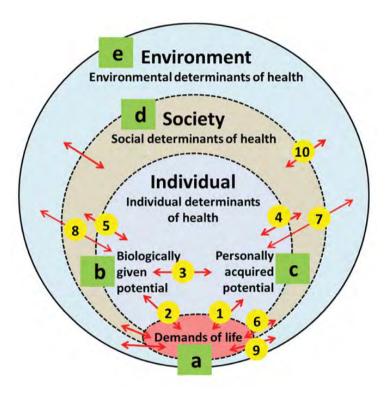
(after Witt et al, 2014)



WHOLE SYSTEM MODELS OF THE 'HEALTH SYSTEM'

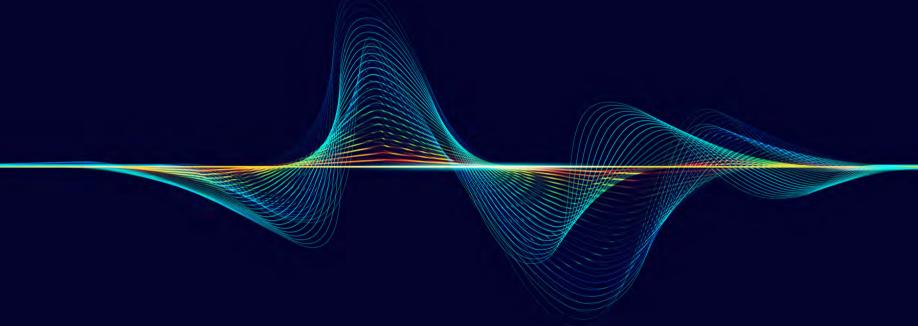


The VA Whole Health model consists of 5 components (a-e) and 10 complex interactions (1-10). Source: Atwood et al, Fam Med. 2016; 48(9): 711-719



The Meikirch model consists of 5 components (a-e) and 10 complex interactions (1-10). Source: Bircher & Hahn. *J Eval Clin Pract.* 2017; 23(1): 222-224.





NOT PREVENTION OR MANAGEMENT OF DISEASE

ANH 12 DOMAIN MODEL OF THE 'ECOLOGICAL TERRAIN'





1. Genetic and epigenetic background



2. Glycaemic control and metabolic flexibility



3. Gastrointestinal system and microbiome function



4. Mitochondrial function



5. Immune system function



6. Oxidative stress status



7. Neuroendocrine system function



8. Circulatory system function



9. Toxic burden and biotransformation



10. Structural integrity status



11. Psychological and cognitive function



12. Psychosocial-emotional health status

FROM PATHOGENESIS TO SALUTOGENESIS



Some of the variables in an individual's life that cause imbalances in one or more domains of the 'Ecological Terrain':

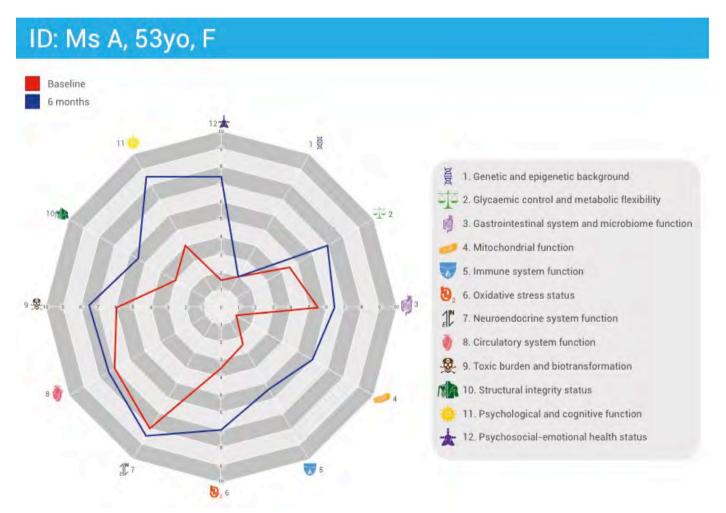
- Diet and nutrition
- Physical activity
- Rest and relaxation
- Sleep
- Social connection
- Connection with nature
- Purpose/meaning in life
- Environmental toxins/pollutants
- Radiation sources
- Stress/stress tolerance

3 LEVELS OF ASSESSMENT ACROSS THE 12 DOMAINS



LEVEL	FEATURES	EXAMPLES
SELF- ASSESSMENT	Zero or low cost, no specialized equipment required, symptomology characteristic of dysfunction or imbalance in specific domains	 Glycaemic control: waist to height ratio, blood sugar 'crashes' Mitochondrial dysfunction: feeling 'tired all the time' Psychological function: degree of social connection
GUIDED ASSESSMENT	Low cost, but relevance of data benefits from interpretation and guidance from health professional	 Toxic burden: evaluation of domestic chemical and air pollution exposure GI system and microbiome: Evaluation of food and symptom diary Psycho-social stress: monitoring of sleep patterns and heart rate variability (HRV) via smartphone app
PRACTITIONER ASSESSMENT	Biomedical and genetic tests	 Genetic and epigenetic background: genetic screening of specific polymorphisms Mitochondrial function: functional screening, patient history, results of functional testing (blood work, organic acids), mitochondrial function profile Oxidative stress: Test for oxidised LDL fractions and advanced glycated end (AGE) products, DNA/RNA oxidative damage assays, assay for activity of antioxidant enzymes e.g. glutathione (GSH), superoxide dismutase (SOD), catalase

EXAMPLE: INDIVIDUAL ASSESSMENT OUTPUT



Purposes include:

- Tracking by the individual
- Tracking by health and fitness professionals
- Motivation
- Empowerment
- Collaborative and participatory
- Participatory research

10 HALLMARKS OF HEALTH SYSTEM SUSTAINABILITY

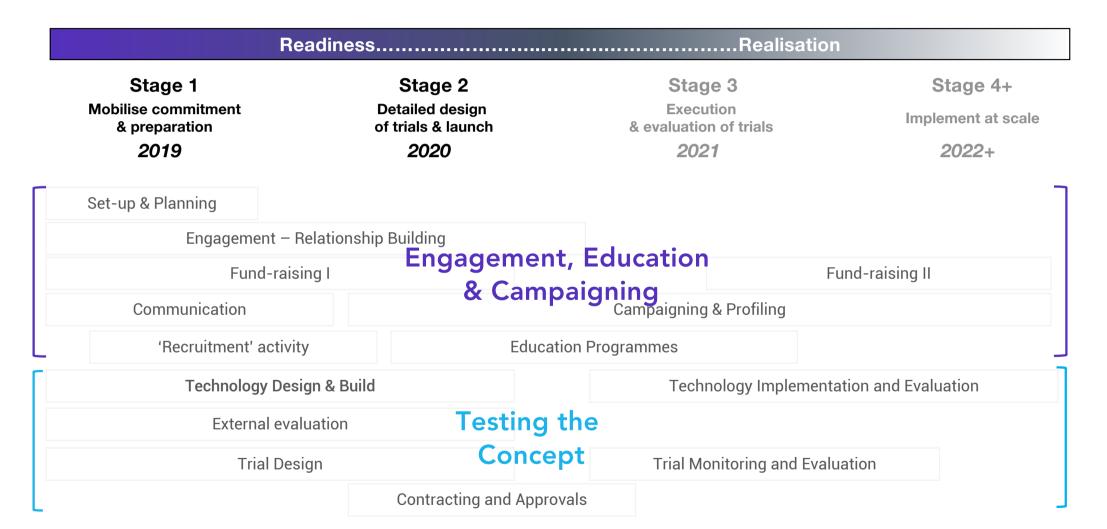


- Each individual needs to interact with wider 'health systems' that meet specific sustainability criteria
- 10 hallmarks of health system sustainability for health guides and providers

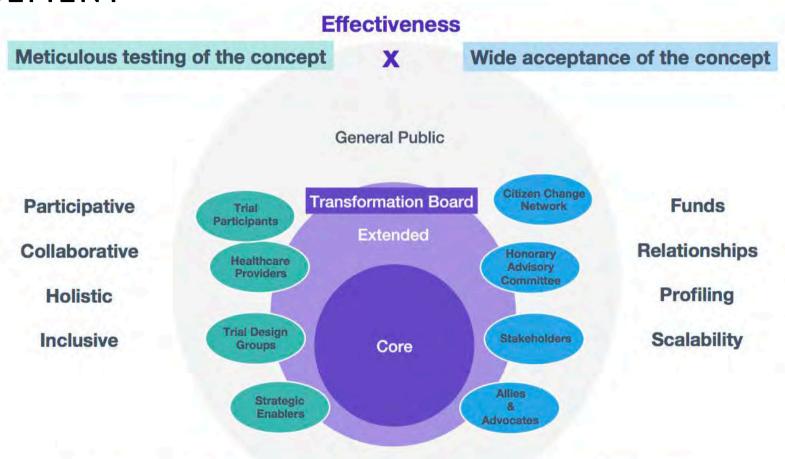


mplementation

KEY MILESTONES



CREATING PURPOSEFUL ENGAGEMENT



Designed to foster engagement, involvement and commitment

TRANS-DISCIPLINARY WORKING GROUPS TO DEVELOP CONSENSUS



HEALTH & RESILIENCE EVALUATION

Identify factors, quantitative and qualitative metrics and biomarkers for evaluation of health status and resilience at 3 levels (self-evaluation, guided evaluation and practitioner evaluation)

POLICY & REGULATORY EVALUATION

Identify factors and policy/regulatory measures that may help or hinder improved individual self-care and engagement, as well as improved or reduced practitioner, patient or client collaboration or participation status and resilience at 3 levels (self-evaluation, guided evaluation and practitioner evaluation)

SUSTAINABILITY EVALUATION

Identify factors and metrics that pertain to sustainability of health systems at individual loca community regional scales and national scales

ECONOMIC EVALUATION

Identify approaches and methods relevant to evaluation of economic feasibility, cost/benefit assessment and options for 'incentivisation'

SOCIAL & ENVIRONMENTAL EVALUATION

Identify factors. methods and metrics that allow evaluation of net social and environmental impacts, both positive and negative, in a diverse range of settings and environments

PILOT TRIALS ACROSS CLINICAL AND COMMUNITY SETTINGS

Pilot trials in various settings are in the process of being established in the UK to evaluate the effectiveness, safety and sustainability of the collaborative and participatory health models



Primary care

Community pharmacy

Integrative medicine clinics

Traditional systems of medicine

Community settings





PLEASE CONTACT US

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