

Prioritising Prevention Webinar

24th November 2020

A collaboration between:

East of England Population Health Research Hub

EoE PHResH

NIHR East of England Applied Research Collaboration NIHR EOE ARC

University of Cambridge Centre for Science and Policy CSaP



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@CSciPol

Agenda

Prioritising Prevention

Tuesday 24th November 2020: 14.00 – 15.00

14.00 – 14.05	Welcome Dr Angelique Mavrodaris, Clinical Research Fellow and Consultant in Public Health Medicine, Public Health England – East of England
14.05 – 14.15	Prioritising Prevention Across the Lifecourse Jessica Stokes, Deputy Director - Health and Wellbeing, PHE East of England
14.15 – 14.30	Prevention Research: what? what? what? Dr Helen Walters, Public Health Consultant Advisor, NIHR
14.30 – 14.45	European and International Perspectives on Disease Prevention, Promoting Health and Wellbeing Clive Needle, Senior Policy Advisor, EuroHealthNet
14.45 – 15.00	Question & Answer Session, Mentimeter and Next Steps



Engage with us!

Questions for the speakers

Please write your questions in the Chat section of Zoom. We will answer these questions in the Q&A session.

Let us know your needs and thoughts on prevention

Join our live voting and input into this session by:

1. Jumping onto: https://www.menti.com/ on your phone or open a new window on your computer

2. Enter the code: **56 36 27 6**

OR visit https://www.menti.com/2vcg47gr4x

To answer the following questions:

What do you think are the key public health prevention priorities that should be addressed? What do you think are the barriers that currently hinder action on these priorities? How do you think we can better utilise our existing assets and infrastructures to address these barriers or support these priorities?

We will share your input after the Q&A session.





PHResH-ARC-CSaP Prioritising Prevention

Prioritising Prevention Across the Lifecourse

Jessica Stokes
Deputy Director – Health & Wellbeing
Public Health England – East of England



Protecting and improving the nation's health

Prioritising prevention across the lifecourse

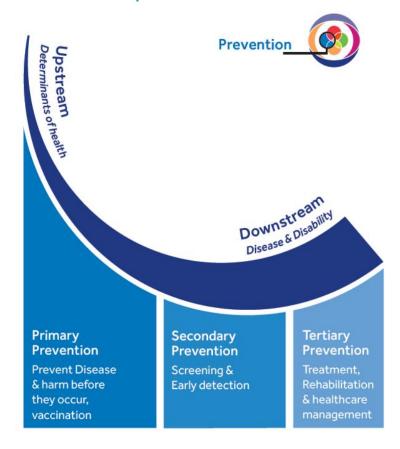
Jessica.stokes@phe.gov.uk
Deputy Director Health & Wellbeing
PHE East of England

Prevention is better than cure (DHSC, Nov 2018)

Prevention is about helping people stay healthy, happy and independent for as long as possible. This means reducing the chances of problems from arising in the first place and, when they do, supporting people to manage them as effectively as possible. Prevention is as important at seventy years old as it is at age seven.

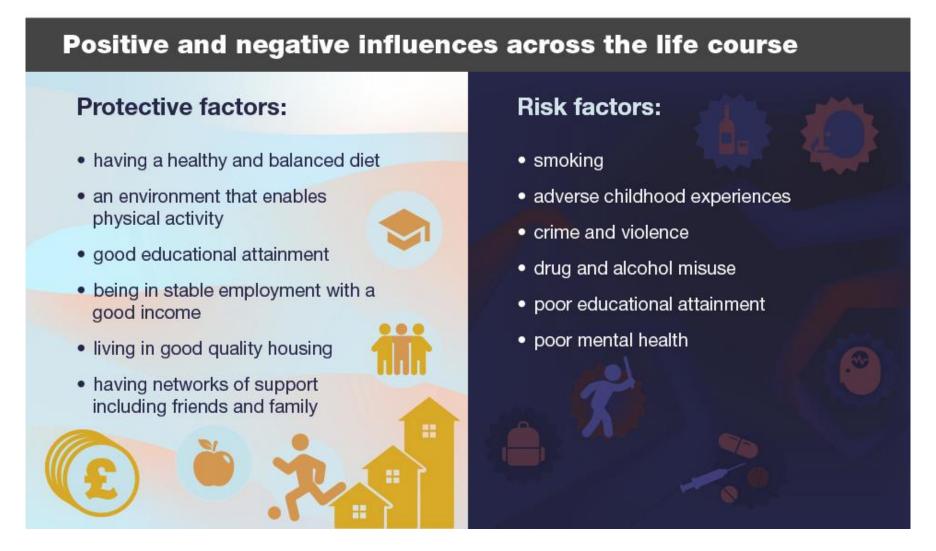
- Prevention works: significant long-term social return on investment - around £14 of social benefit for every £1 spent across a broad range of areas
- Goal to improve healthy life expectancy by at least 5 years, by 2035, and to close the gap between the richest and the poorest
- Focus on main preventable causes of ill health – healthy lifestyles, the homes and neighbourhoods we live in, the jobs we do, our friends, family and other social connections

Levels of prevention



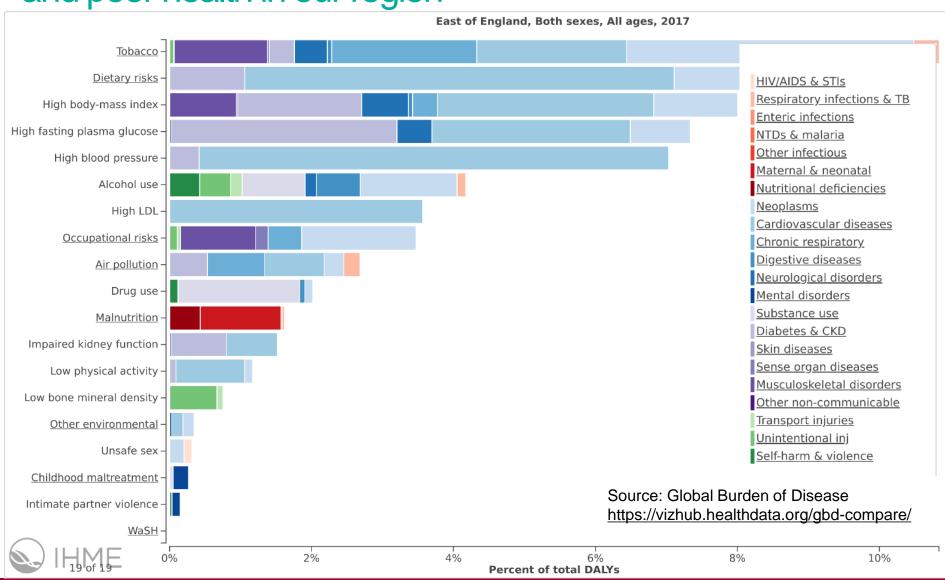
Source: The Commonwealth Health Hub





Source: Health matters: Prevention – a life course approach. PHE, May 2019

We have good evidence on factors contributing to early death and poor health in our region



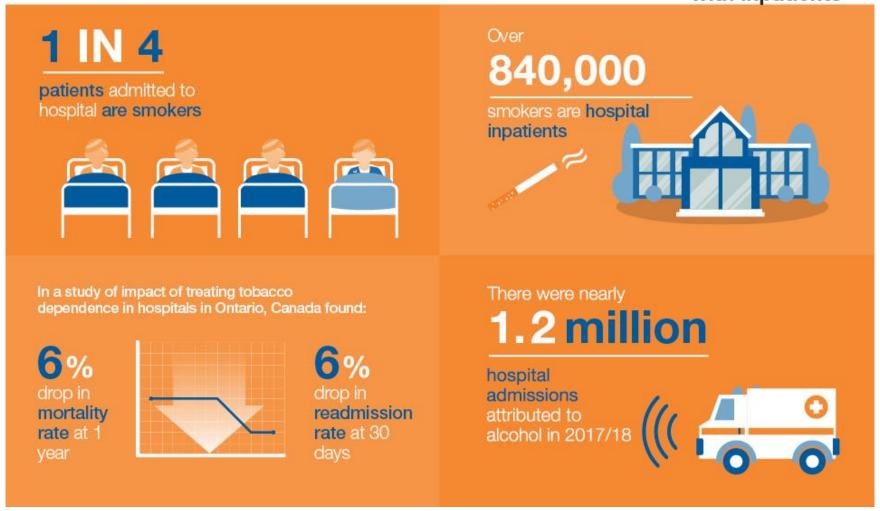
NHS Long Term Plan (LTP), January 2019

Chapter 2: More NHS action on prevention and health inequalities

LTP commitments:

- **✓** Smoking cessation services
- ✓ Alcohol Care Teams in hospitals
- ✓ Obesity
- ✓ Antimicrobial resistance
- √The NHS contribution to reducing air pollution

Systems will need to work in close partnerships with regional and local Directors of Public Health to set out how they and their **local authority partners who have commissioning responsibility** for many of these preventative services will develop and deliver prevention activities that respond to local health needs.



Source: Health Matters: tobacco and alcohol CQUIN. PHE, March 2019.

NHS LTP Prevention Commitments

Topic:	Commitments include:
Smoking	 By 2023/24, all people admitted to hospital who smoke will be offered NHS-funded tobacco treatment services The model will also be adapted for expectant mothers, and their partners, with a new smoke-free pregnancy pathway A new universal smoking cessation offer will also be available as part of specialist mental health services for long-term users of specialist mental health, and in learning disability services
Alcohol Care Teams (ACTs)	 Hospitals with the highest rate of alcohol dependence-related admissions will be supported to fully establish ACTs to provide specialist interventions and input into the care of alcohol dependent patients
Obesity	 Targeted support offer and access to weight management services in primary care for people with a diagnosis of type 2 diabetes or hypertension with a BMI of 30+ Doubling of the NHS Diabetes Prevention Programme over the next five years, including a new digital option to widen patient choice and target inequality. The NHS will continue to take action on healthy NHS premises.
Air pollution	 NHS will work to reduce air pollution from all sources. Specifically, we will cut business mileages and fleet air pollutant emissions by 20% by 2023/24
AMR	Continue to support implementation and delivery of the government's new five-year action plan on Antimicrobial Resistance
PLUS stronger action on health inequalities	Including: maternity continuity of carer, physical health checks for people with SMI, learning disability and autism, homelessness and rough sleeping, identifying and supporting carers, social prescribing, gambling, VSCE, Anchor institutions

Advancing our health: prevention in the 2020s – consultation document, HM Government, July 2019

Decade of proactive, predictive and personalised prevention

- targeted support
- tailored lifestyle advice
- · personalised care
- greater protection against future threats

Building on LTP

- announcing a smoke-free 2030 ambition
- publishing Chapter 3 of the Childhood Obesity Strategy, including bold action on: infant feeding, clear labelling, food reformulation improving the nutritional content of foods, and support for individuals to achieve and maintain a healthier weight.
- launching a mental health prevention package, including the national launch of <u>Every Mind Matters</u>

Prevention and COVID-19

Evidence suggests excess weight is associated with an increased risk of the following for COVID-19:

- a positive test,
- hospitalisation,
- advanced levels of treatment (including mechanical ventilation or admission to intensive or critical care)
- and death.

Risks seem to increase progressively with increasing BMI above the healthy weight range, even after adjustment for potential confounding factors, including demographic and socio-economic factors.

Impact of lockdown on food purchasing and physical activity

Source: Excess weight and COVID-19: insights from new evidence. PHE, July 2020

Urgent actions to address inequalities in NHS provision and outcomes, August 2020

Action 4: Accelerate preventative programmes which proactively engage those at greatest risk of poor health outcomes

- Improve uptake of the flu vaccination in underrepresented 'at risk' groups such as those living in the most deprived 20% of neighbourhoods, those from BAME communities and people with a learning disability;
- Develop priority lists for preventative support and long-term condition management, such as for obesity management and hypertension e.g. generating referrals into the NHS Diabetes Prevention Programme on individuals of South Asian, Black African and Black Caribbean ethnicity and those from the most deprived communities.
- Ensure that everyone with a learning disability is identified on the GP register and that annual health checks are completed
- improve the provision of comprehensive physical health checks and follow-up interventions for people with severe mental illnesses (SMIs).
- In maternity, ensure that the proportion of Black and Asian women and those from the most deprived neighbourhoods on continuity of carer pathways meets and preferably exceeds the proportion in the population as a whole

Prioritising prevention of ill health across the lifecourse

Action is needed by the NHS, by national government and by local government, working in partnership with the voluntary, community and private sector.

- Ensure your intervention fits the life course framework of taking action early, appropriately and together
- Take the long view consider the intra and intergenerational aspects of the issue you are trying to tackle
- Consider how your intervention minimises risk factors and enhances protective factors
- Ensure your intervention strives to achieve health equity and tackle health inequalities, working together with partners
- Undertake evaluation and monitoring of your approach to add to the evidence base

Source: Health matters: Prevention – a life course approach. PHE, May 2019

References

Prevention is better than cure. DHSC, November 2018. https://www.gov.uk/government/publications/prevention-is-better-than-cure-our-vision-to-help-you-live-well-for-longer

The Commonwealth Health Hub. https://www.thecommonwealth-healthhub.net/prevention/

Health matters: Prevention – a life course approach. PHE, May 2019. https://www.gov.uk/government/publications/health-matters-life-course-approach-to-prevention/health-matters-prevention-a-life-course-approach

NHS Long Term Plan. NHS, January 2019. https://www.longtermplan.nhs.uk/

Health Matters: tobacco and alcohol CQUIN. PHE, March 2019. https://www.gov.uk/government/publications/health-matters-preventing-ill-health-from-alcohol-and-tobacco/health-matters-preventing-ill-health-from-alcohol-and-tobacco-use

Advancing our health: prevention in the 2020s – consultation document. DHSC, July 2019 https://www.gov.uk/government/consultations/advancing-our-health-prevention-in-the-2020s-consultation-document

Excess weight and COVID-19: insights from new evidence. PHE, July 2020 https://www.gov.uk/government/publications/excess-weight-and-covid-19-insights-from-new-evidence

Implementing phase 3 of the NHS response to the COVID-19 pandemic. NHS, August 2020. https://www.england.nhs.uk/publication/implementing-phase-3-of-the-nhs-response-to-the-covid-19-pandemic/



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Prevention Research: what? what? what?

Dr Helen Walters Public Health Consultant Advisor *NIHR*

Prevention research: what? what? what?

Dr Helen Walter, Consultant Advisor, NIHR
Prioritising Prevention Webinar

November 2020



- What do we mean when we say "prevention"?
- What prevention is important?
- What prevention research is needed?

What do we mean when we say "prevention"?

Definition:

"the action of stopping something from happening or arising"

What are we trying to prevent?

Death?

A horrid death?

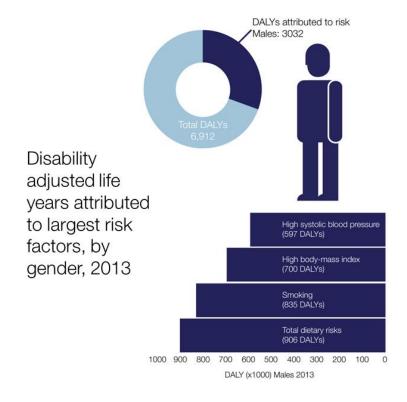
Disease progression?

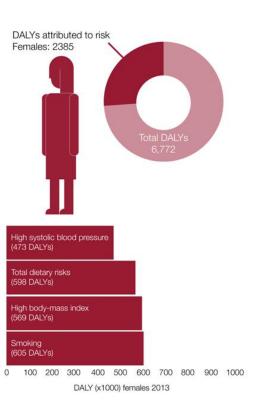
Disease itself?

Determinants of disease?



What prevention is important?





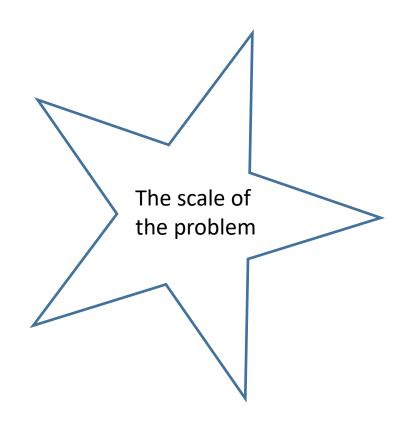
What prevention is important?

Common risk factors for all major diseases:

- Lack of movement
- Poor diet
- Smoking

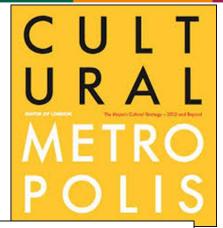
Common determinants:

- Poverty
- Place
- People





Local government impacts all this















Local government impacts all this



What prevention research is needed?

- Stuff that is useful and will make a difference
- Stuff that looks at populations (not individuals)
- Stuff that recognises the complexity of real life



Efficacy and Mechanism Evaluation Programme

The Efficacy and Mechanism Evaluation (EME) Programme funds 'science driven' studies with an expectation of substantial health gain, and ai...

More



Invention for Innovation Programme

The Invention for Innovation (i4i)
Programme aims to support and
advance the research and development
of innovative healthcare technologies ...

More



Research for Patient Benefit Programme

The Research for Patient Benefit (RfPB) Programme is a national, response-mode programme established in 2006 to generate high quality resear...

More



Health Services and Delivery Research Programme

The Health Services and Delivery Research (HS&DR) Programme aims to produce rigorous and relevant evidence to improve the quality, accessibi...

More



Programme Grants for Ap lied Research

Programme Grants for Applied Research (PGfAR) were established in 2006 to produce independent research findings that will have practical ap ...

More



NIHR Fellowships

The NIHR Fellowship Programme was launched in 2008 with the aim of developing research capacity in health, and health and social care...

More



Health Technology Assessment Programme

The Health Technology Assessment (HTA) Programme is the largest of the NIHR programmes. We fund independent research about the effective research

More



Public Health Research Programme

The Public Health Research (PHR)
Programme funds research to evaluate
non-NHS interventions intended to
improve the health of the public and...

More



What is the PHR Programme?

Purpose and Remit:

To fund research to generate evidence to inform the delivery of <u>non NHS</u> interventions, specifically, we provide new knowledge on the benefits, costs, acceptability and wider impacts of non-NHS interventions intended to improve the health of the public and <u>reduce inequalities</u> <u>in health</u>.

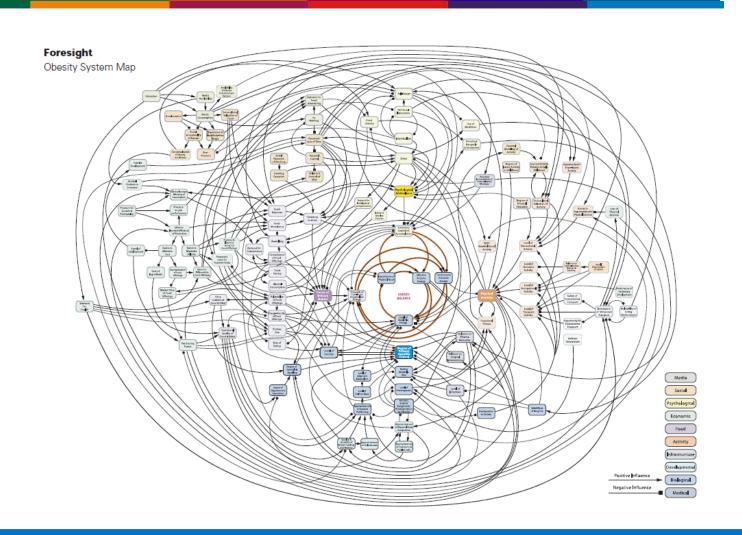


Stuff that looks at populations





Stuff that recognises the complexity of real life





PHIRST: Research what is already happening











Involve the front line



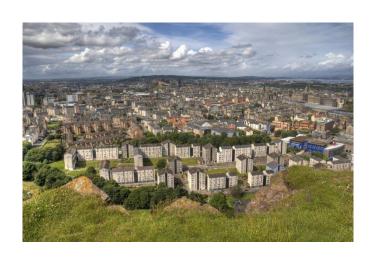


Evidence for Local Decisions

- Urban regeneration and health
- Community engagement and disadvantaged communities
- Alcohol environment

09/3007/02

Change in alcohol outlet density and alcohol-related harm to population health (CHALICE)



Evidence about the Environment

- Transport urban motorway, free bus travel, active and sustainable travel
- Housing quality and energy efficiency
- Effect of reducing street lighting on crime and road accidents
- Air quality

09/3001/13 - 'On the buses'
16/139/01 – London's Ultra Low Emissions
Zone



National Policies

- Sugar tax
- Minimum Unit Pricing
- Smoke free prisons



16/49/01 - Evaluation of the impacts on health of the UK industry levy on sugar sweetened beverages

11/3005/40 - Evaluating the implementation of Minimum Unit Pricing of Alcohol in Scotland

15/55/44 - Evaluating the implementation of indoor smoke free prison facilities in Scotland



Thanks for listening

Any Questions?

helen.walters@nihr.ac.uk





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European and International
Perspectives on Disease
Prevention, Promoting Health and
Wellbeing

Clive Needle Senior Policy Advisor *EuroHealthNet*



Prioritising prevention

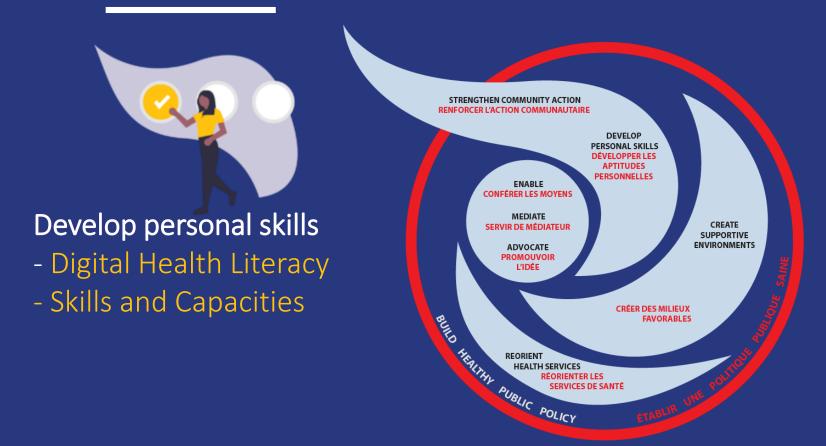
European / international perspectives for disease prevention, promoting health and wellbeing

About EuroHealthNet

- The European Partnership for Health, Equity and Wellbeing
- 61 members in 26 European countries
- Reducing health inequalities in Europe & improving health and wellbeing for all
- Liaising with EU Institutions, WHO and policy makers
- Facilitating cooperation between public health bodies



Health promotion in a changing world



Create
supportive
environments
A healthier, fairer
future for people
and planet

- INHERIT

- CHAIN



Building healthy public policy

- Economies of Wellbeing

Health promotion in a changing world

Reorient Health
Systems
Invest in health
promotion and
disease prevention
- Financing Guide o



Advocate, enable, mediate
Social, economic and environmental determinants of health in all activities

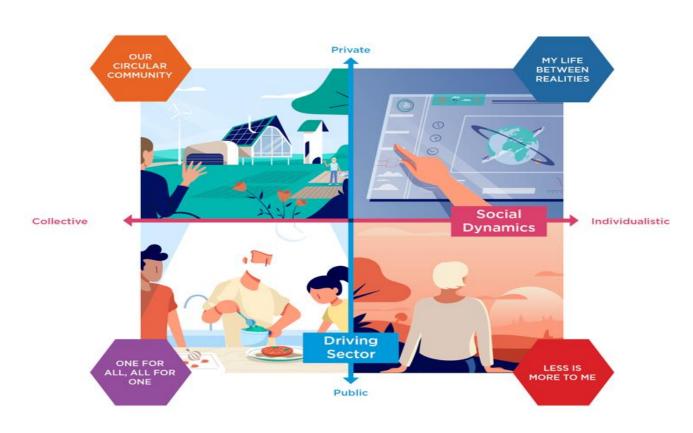


Strengthen community actions

- Chrodis+
- JAHEE
- TWIG on best practice databases for prevention



FORESIGHT



PUBLIC HEALTH FORESIGHT IN LIGHT OF COVID-19

(EuroHealthNet, RIVM)

- Key challenges & opportunities
- Short & long-term

Foresight headlines for national and regional actions: improve and increase

"Glocalisation"

Health equity impact assessments

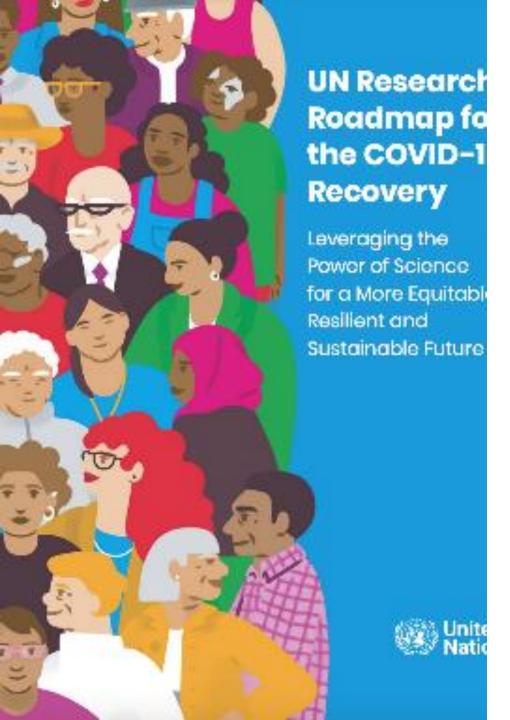
3 U's for healthier technologies

Early years – children -adolescence

Mental wellbeing

Older adults





"...The co-presence of both universalising and particularising tendencies..."

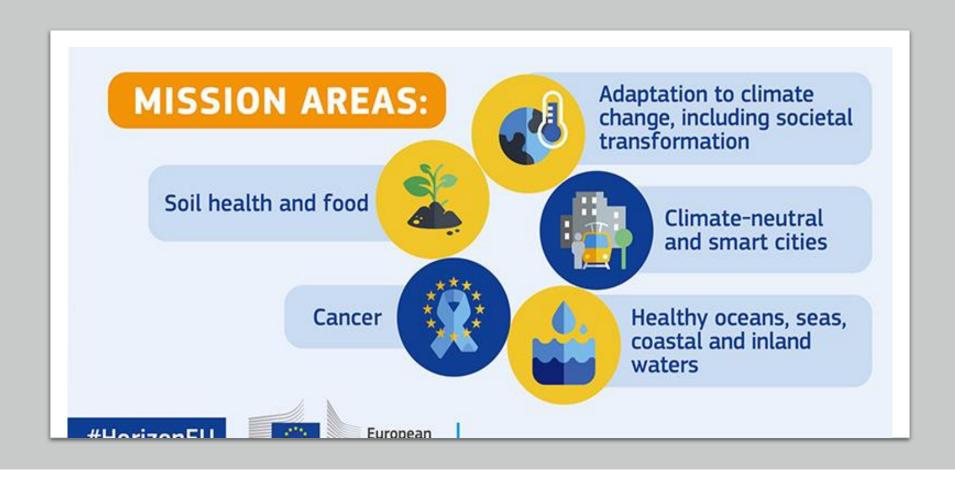
- Health Systems and Services: What strategies and financing models are most effective in expanding universal health coverage?
- Social Protection and Basic Services: What are the most effective and equitable ways of ensuring basic income protection for all?
- Economic Response and Recovery: How can food supply chains be secured for the world's most marginalized populations to ensure food security and nutrition in all circumstances?
- Macroeconomic Policies and Multilateral Collaboration: What lessons from past economic crises can inform the design of national, regional and global recovery strategies?
- Social Cohesion and Community Resilience: What are the best strategies for building sustainable, inclusive and resilient cities that protect people from future pandemics and climate change?

WHO Europe Programme of Work



- Mental Health Coalition
- Empowerment through Digital Health
- Immunisation to 2030
- Healthier Behaviours and cultural insights

https://www.euro.who.int/en/health-topics/health-policy/european-programme-of-work/flagship-initiatives



Horizon Europe "Missions" 2021 -27 Supporting Recovery / Green Deal / Digital Transformations

RESEARCH PLATFORM

INFORMING POLICIES AND ADVOCATING FOR HEALTH EQUITY





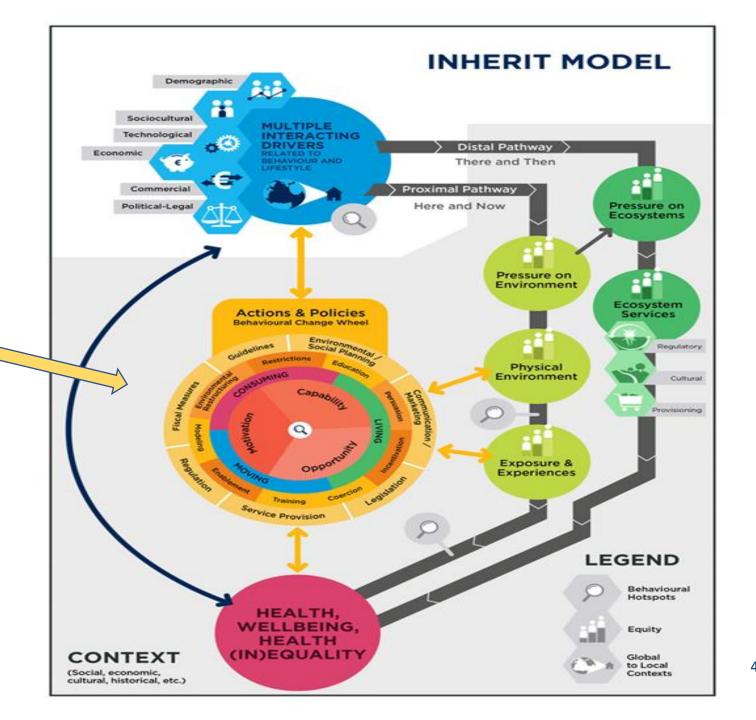


- Co-ordinatingH2020 projects &Horizon Europeplanning
- Policy and practice learning outcomes from studies e.g. INHERIT, DRIVERS

MEMBER OF CHAIN



- 1. Capability
- 2. Opportunity
- 3. Motivation



State of health in Europe 2020



- "There has been a clear social gradient in COVID-19 deaths. This highlights the need for a strong focus on policies to tackle the social determinants of health, including inclusive social and economic policies and interventions beyond the health system that address the root causes of inequalities.
- Air pollution causes about EUR 600 billion in economic and welfare losses annually across EU countries. The EU recovery plan from the COVID-19 crisis provides a unique opportunity to promote a green economic recovery... The health sector itself can contribute to achieving this objective by minimising its own environmental footprint. Through multi-sectoral approaches, public health authorities can also contribute to environmentally friendly urban and transport policies.
- ... modifiable risk factors also have important impacts on people's health and mortality, notably smoking, alcohol consumption, unhealthy nutrition, lack of physical activity and obesity..."
- OECD/European Union (2020), *Health at a Glance: Europe 2020: State of Health in the EU Cycle*, OECD Publishing, Paris, https://doi.org/10.1787/82129230-en.

EU Joint Action for Health and Equity (JAHEE)

Direct consequences

- Infection
- Susceptibility
- Severity
- Mortality
- Accessibility & care quality
- Displacement

Longer term consequences

- Poverty & unemployment
- Isolation
- Barriers to education
- Barriers to community resources
- Barriers to social care
- Social mobility





Children's rights in Great Britain

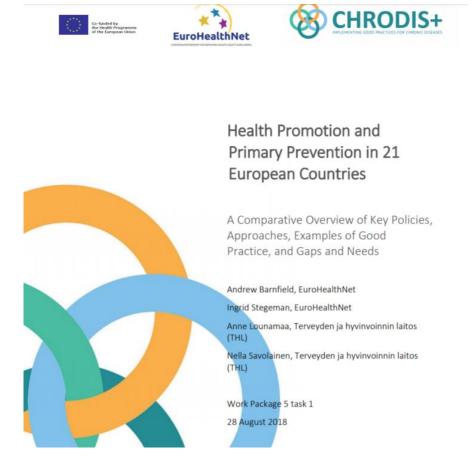
Submission to the UN Committee or the Rights of the Child

Local to global priorities

- "In our latest report to the UN Committee on the Rights of the Child (UN CRC), published on International Children's Day 2020, we have expressed significant concerns about how the pandemic is exacerbating existing inequalities, and having a devastating impact on children's rights, well-being and futures. Key concerns include more children being pushed into poverty, widening educational inequalities and worsening mental health.
- Although the effect of the pandemic on children's mental health is not yet fully understood, we have warned that the combined impact of limited capacity within the mental health service and children being cut off from support at school, could be severe and long-lasting."

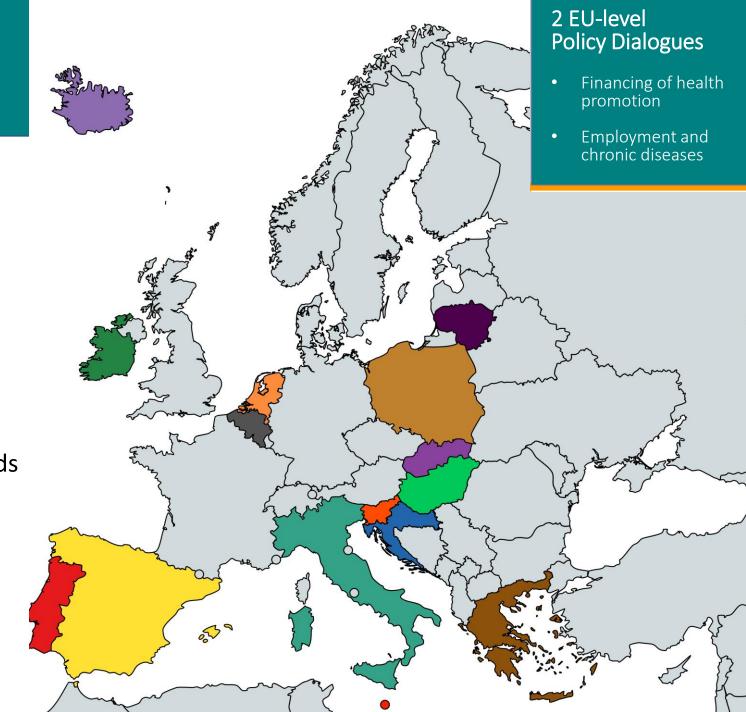
Chrodis Plus Joint Action – EU States

- analysing and assessing countries' health promotion and disease prevention strategies;
- transferring and implementing good practices targeting children, working populations and older adults;
- better integrating health promotion and disease prevention in healthcare and wider social care systems;



 identifying success factors for intersectoral collaboration within and outside health and care which strengthen HP / DP activities. 14 National Policy Dialogues

- Croatia
- Greece
- Hungary
- Iceland
- Italy
- Lithuania
- Malta
- Poland
- Portugal
- The Netherlands
- Slovakia
- Slovenia
- Spain



The social and health investment gap

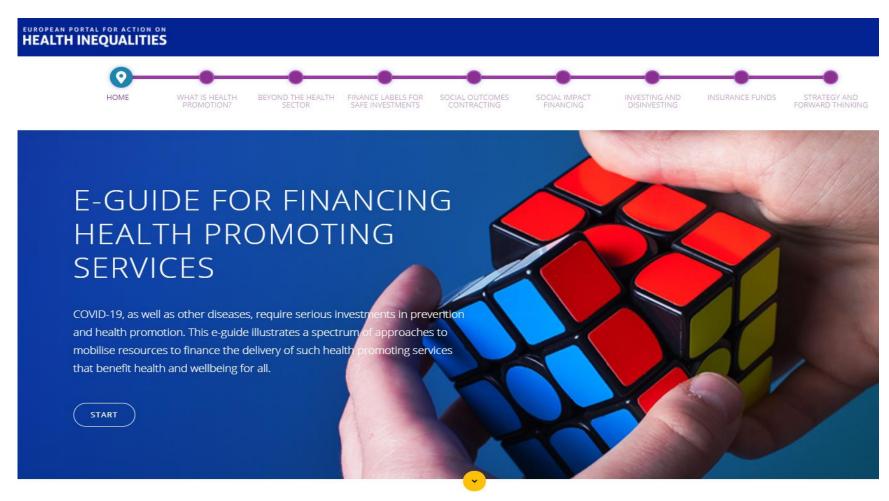
Public budgets are not enough:

- the investment gap in social infrastructure in EU (education, housing, health, social services)
 is estimated to be €192 billion/year
- the health investment gap increased from €20 to €70 billion/year due to the COVID-19 crisis, around 0.6% of EU GDP, with large variations across countries

Public sector investment 20% lower than a decade ago. Prevention budgets average 3%

Yet demand rising - even before syndemic...

E-Guide for Financing Health Promoting Services



http://health-inequalities.eu/financing-e-guide/

How to navigate the E-Guide: case studies



The Prioritisation Framework for public health investments - Public Health England

The Prioritisation Framework is an excellent example of investing and disinvesting to make improve the use of existing resources. To learn more about this method, visit investing & disinvesting. ...



Health insurance funds – Combined Lifestyle Interventions in the Netherlands

Resources & Tools

- Q About this e-Guide
- € InvestEU & Other Funds
- Quality Criteria
- m Public Investment Banks
- Reports & Publications
- É Ethics
- Write your Business Plan
- Glossary
- **Quotes**
- ✓ About EuroHealthNet

Case Studies





Social impact bonds finance the Activate program in Canada



You are invited





THANK YOU

Contact us

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EuroHealthNet is supported by the European Commission, through the EU Programme for Employment and Social Innovation (EaSI 2014-2020)



PHResH-ARC-CSaP Prioritising Prevention

Question and Answer Session

We are answering questions from the Chat section of Zoom

Remember to visit:

https://www.menti.com/

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East of England
Population Health Research Hub
EoE PHResH

What you said about prevention...

Dr Angelique Mavrodaris looks at the Mentimeter findings

https://www.menti.com/

Code: **56 36 27 6**

Keep the conversation going...



NIHR | Applied Research Collaboration East of England

CSaP | centre for science and policy



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Email Us

<u>angelique.mavrodaris@phe.gov.uk</u> caitlin.grant@phe.gov.uk

ARCoffice@cpft.nhs.uk

enquiries@csap.cam.ac.uk





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