Keeping up the momentum: Promoting health equity through culturally sensitive innovation and health literacy

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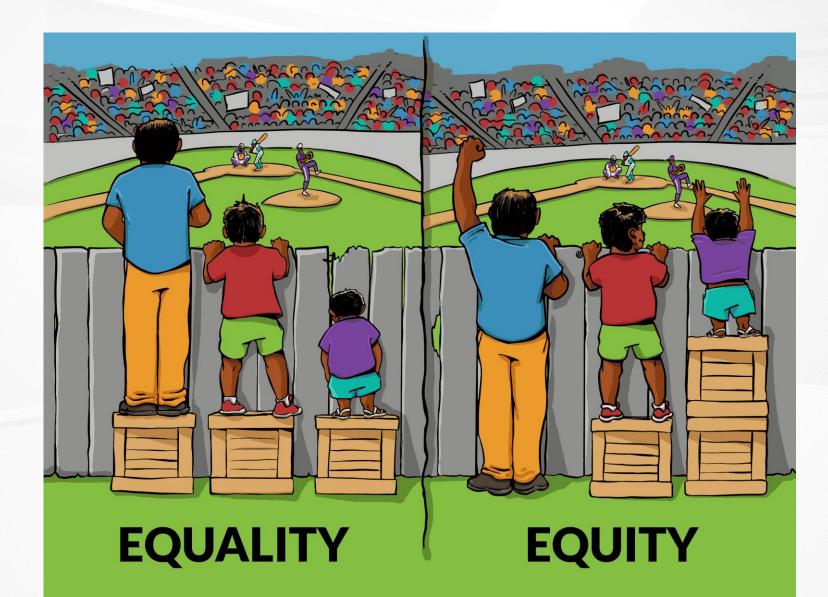


Presentation Overview

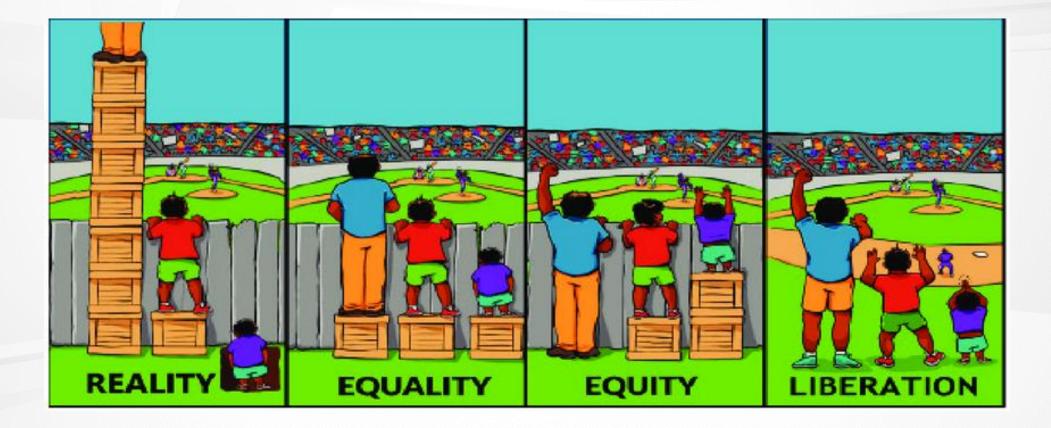
- Defining and distinguishing equity
- The role of HPHs in achieving equity
- HPH standards related to equity
- Innovation and equity in HPH
- Selected examples of innovative interventions
- Digital Health literacy the evolving definition
- Why is it important?
- How and why can we measure
- The results of the M-POHL study on DHL
- Conclusions

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Defining equity



Defining equity



HPH Standards and Equity

2.3.3 Our organization makes every effort to adapt its procedures to the special needs of vulnerable persons.

- 3.2.5 Our organization offers all patients the right to individualized, culturally and age-appropriate prevention, promotion, treatment, rehabilitation, and palliative care.
 - 3.5 Our organization has developed procedures to identify vulnerable patients in order to determine needs and reduce inequalities in our health services



2020 Standards for Health Promoting Hospitals and Health Services



Innovation and Health Promotion

Innovation is key to achieving and sustaining **equity in HPH**, allowing health systems- both hospitals and primary care - to develop novel solutions for **overcoming barriers**.

- Distance
- Language
- Navigation
- Affordability



Digital Health

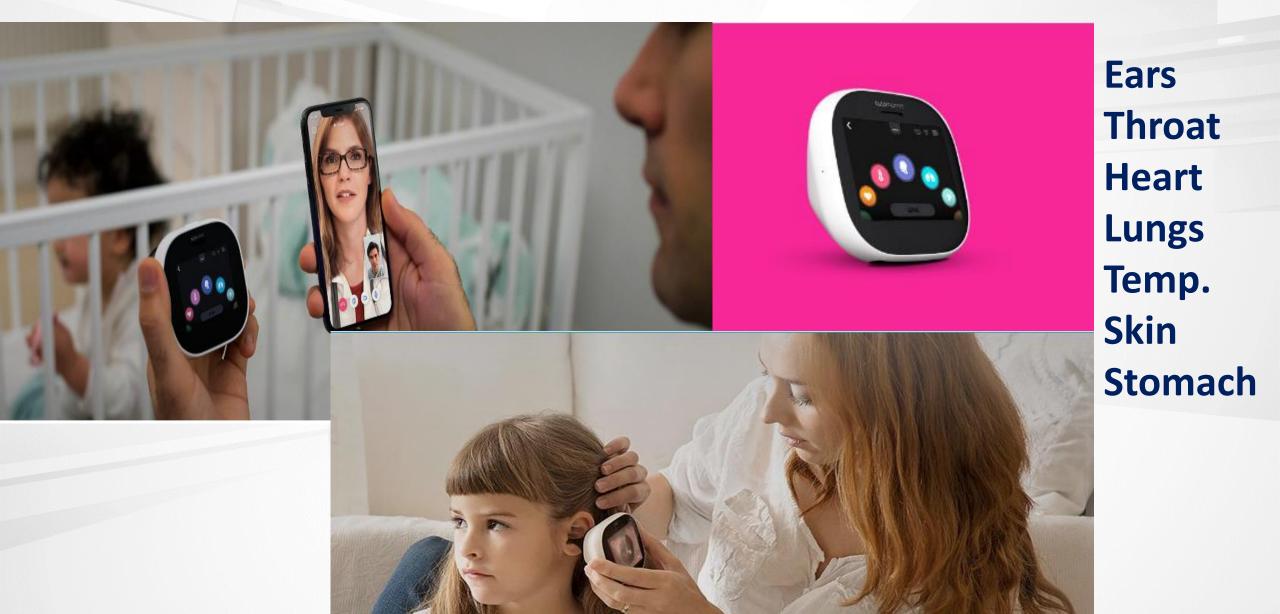


- the use of technology, such as mobile devices, wearable sensors, and electronic health records, to improve health and healthcare.
- includes a wide range of applications, including telemedicine, digital therapeutics, health information technology, and mobile health.
- can be used to monitor health, provide health information and education, diagnose/treat diseases, and manage chronic conditions.
- The goal: to improve patient outcomes, increase quality and access to care, and reduce healthcare costs. WHO 2016/2020

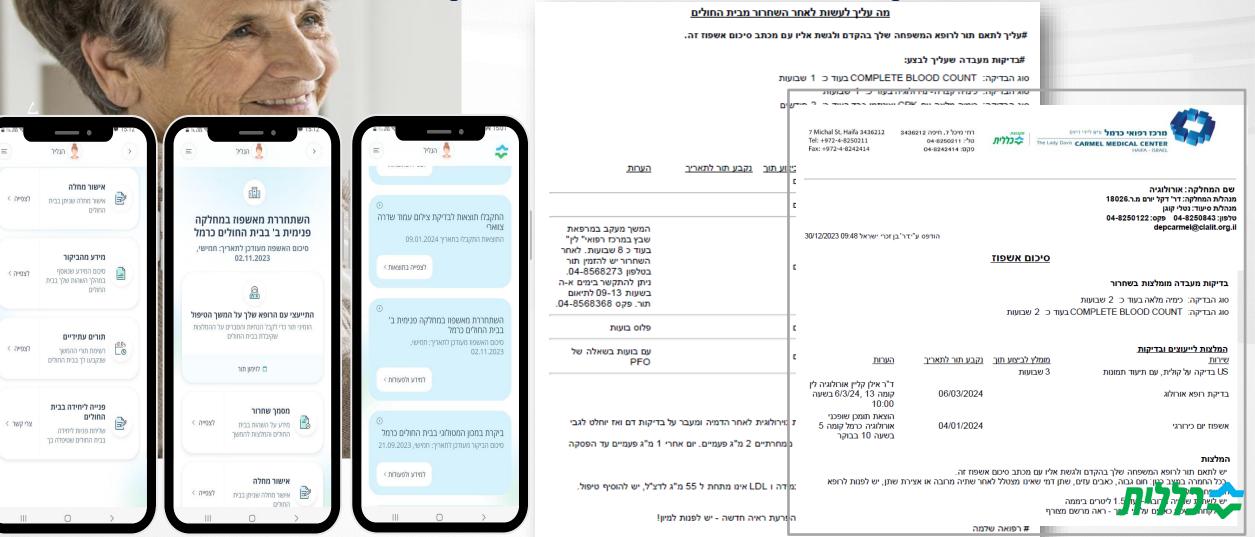
Maximizing the benefits of health technologies



TYTO – video exam & consult with family physician



Digital release from the hospital – Co-production with patients



Virtual Reality - Utilization in Healthcare



"Active" An AI based platform for healthy lifestyles and well-being: launched 2020

- An app that promotes physical activity, nutrition, sleep habits, drinking fluids, accessing health information – personalized goals;
- Participants incentivized for sustaining health promoting habits with "coins" and health promoting gifts;
- Recently added points for quality health indicators: early detection for breast and colon cancer;
- Adapted to Arab and ultra-religious Jewish population





"Active" – health promoting app: results

- Over 1 million users free of charge
- 37% are frequent users (several times a month)
- Meet personalized weekly goals average 2x/month
- Applied research: 6 mo. follow-up
 - 354,533 users average age 46
- Median number of steps increased 55.7% among users with low intensity fitness
- Improvement of health indicators vs. comparison group



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Original Article

Health promotion preparedness for health crises – a 'must' or 'nice to have'? Case studies and global lessons learned from the COVID-19 pandemic

Diane Levin-Zamir^{1,2}, Kristine Sorensen³, Tin Tin Su⁴, Tetine Sentell⁵, Gillian Rowlands⁶, Melanie Messer⁷, Andrew Pleasant⁸, Luis Saboga Nunes⁹, Shahar Lev-Ari¹⁰ and Orkan Okan¹¹

Abstract: The current COVID-19 pandemic has exposed missing links between health promotion and national/global health emergency policies. In response, health promotion initiatives were urgently developed and applied around the world. A selection of case studies from five countries, based on the Socio-Ecological Model of Health Promotion, exemplify 'real-world' action and challenges for health promotion intervention, research, and policy during the COVID-19 pandemic. Interventions range from a focus on individuals/families, organizations, communities and in healthcare, public health, education and media systems, health-promoting settings, and policy. Lessons learned highlight the need for emphasizing equity, trust, systems approach, and sustained action in future health promotion preparedness strategies. Challenges and opportunities are highlighted regarding the need for rapid response, clear communication based on health literacy, and collaboration across countries, disciplines, and health and education systems for meaningful solutions to global health crises.

Keywords: health literacy, health-promoting schools, equity/social justice, health-promoting healthcare, vulnerable groups, migrant health, mental health literacy

Levin-Zamir, D., Sorensen, K., Su, T. T., Sentell, T., Rowlands, G., Messer, M., ... & Okan, O. (2021). Health promotion preparedness for health crises–a 'must' or 'nice to have'? Case studies and global lessons learned from the COVID-19 Pandemic. Global Health Promotion; 28(2) 27-37. 1757975921998639.

Health promotion in times of crisis through social media October 2024 6 videos were immediately produced and released to promote coping with emergency through healthy lifestyle



Physical activity for young families



Physical activity for older adults



smoking cessation



Mindfulness



Family nutrition



Healthy sleeping

Response: Over 620,000 hits

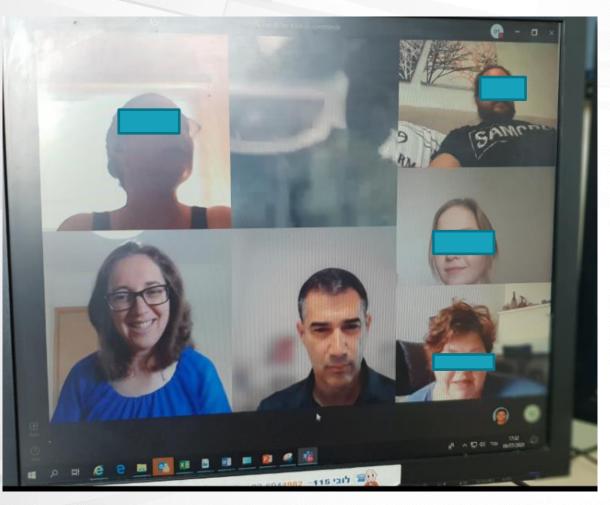


Mental health: Everyone has a "cloud"

- Launching BOT for Mental Health Navigation - On-line mental health services

Normalizing mental health support

Online Health Promotion Workshops -



- Healthy lifestyle & weight loss
- Smoking cessation
- Preparation for birth and parenting
- Breastfeeding
- Mindfulness
- Self-care and healthy lifestyle for people with diabetes
- Surrogate parenting

Providing a secure space for promoting health in times of conflict

Emerging issues for intervention/health care



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ORIGINAL ARTICLE



Medical perspectives on Israeli children after their release from captivity – A retrospective study

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Abstract

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Aim: Following the Hamas terror attack on Israeli towns on October 2023, 250 individuals were taken into captivity. On November-December 2023, during the ceasefire deal, 26 women and children were released. This study is the first to describe the physical and behavioural findings in children and their mothers in the immediate phase of returning home from captivity.

Methods: This is a retrospective study describing the clinical characteristics of the returnees after 49–53 days in captivity. Patients were admitted to a designated unit in the Schnieder Children's Medical Center of Israel on November-December 2023. The hospitalisation duration was 1–9 days. All patients were evaluated according to a detailed protocol and were treated respectively.

Results: Patient population included 19 children (ranged 2-18 years old) and 7 women (ranged 34-78 years old). The most common clinical findings upon return included significant weight loss, psychological trauma, complications of poor hygiene and complications of recent shrapnel injuries. Microbiology tests were positive for multiple gastrointestinal pathogens. Serologic screening tests were positive for various infectious diseases.

Info-demics - The case for critical Digital Health Literacy

- Spreading of misinformation
- May be as harmful as the disease itself, impeding public health responses.
- Fabrication may be intentional or unintentional.
- Reflects the public's thirst for knowledge and solutions



Digital Divide or Digital Development throughout the life course?



Digital Health Literacy as an Asset

Digital health literacy allows individuals to effectively use digital platforms (mobile apps, telehealth, wearables and

The complexity of Digital Health Literacy

Int. J. Environ. Res. Public Health 2018, 15, 1643

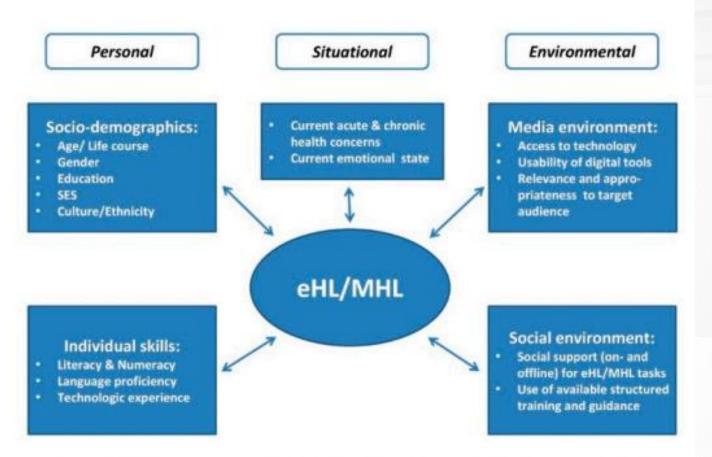


Figure 1. The complexity of eHealth Literacy (eHL) and Media Health Literacy (MHL) in context.

Barriers to Digital Health



- Privacy and confidentiality
- Credibility and trust
- Usability
- Accessibility Broadband, etc
- Common language

The challenge

The increasing access of health-related digital resources, places a growing demand for population Digital Health Literacy (DHL) to adequately use these resources.

 Public health researchers, practitioners, and policy makers need to be aware of DHL for understanding and improving people's proficiency in using digital resources.



Measuring Digital Health Literacy for general adult population in the Health Literacy Survey (HLS₁₉) of the WHO Action Network M-POHL

Diane Levin-Zamir, Stephan Van den Broucke, Jürgen M. Pelikan, Thomas Link, Christa Straßmayr for the Working Group on Digital HL in HLS₁₉





Digital Health Literacy- Developing and applying a measure

- The WHO M-POHL HLS19 consortium defined DHL as: "the ability to search for, access, understand, appraise, validate, and apply online health information, and to formulate/express questions, opinions, thoughts, or feelings when using digital resources".
- The objective of the study: to construct and validate a DHL measure across countries in Europe, and to identify determinants and consequences





Methods

- DHL measures were constructed with 8 items regarding skills for dealing with digital health resources (DIGI-HI) and 2 items (DIGI-INT) for interactive use of these resources and applied in 13 countries: Austria, Belgium, Czech Republic, Denmark, France, Germany, Hungary, Ireland, Israel, Norway, Portugal, Slovakia, and Switzerland
- Data collection included CAPI, CATI, CAWI, PAPI methods, and mixed formats
- Analyses were based on 29,060 respondents from representative samples of 1,000- 3,602/country.
- A standardized score was calculated for DHL by combined "very easy" and "easy" responses, range: 0-100.
- Multi-variable linear regression models were applied for estimating determinants and outcomes of DHL

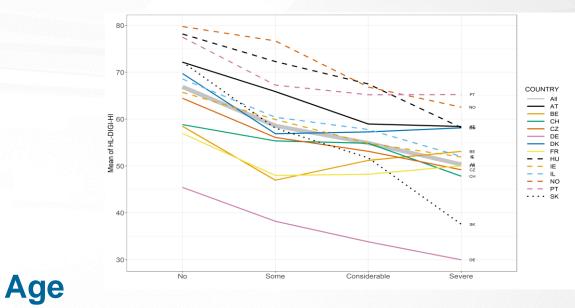


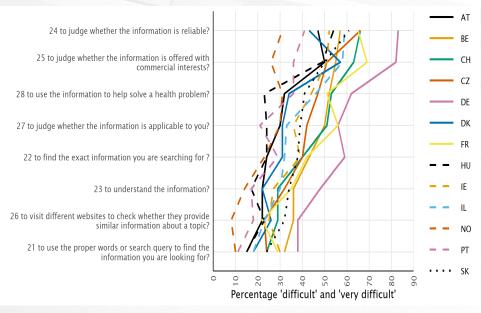


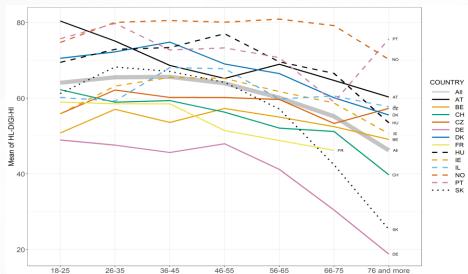
Results

Challenges in Critical DHL

Financial deprivation











In conclusion

- Achieving equity through the work of HPHs requires commitment and resources
- Appropriate and innovative interventions can positively influence DHL, and contribute to health and well-being.
- By prioritizing equitable access to health-promoting services and innovative strategies, HPH can:
 - enhance public health and health care
 - reduce disparities



- improve health outcomes for diverse populations
- o ensuring a healthier and more inclusive society

Questions/comments?



Thank you for your attention!

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