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# Mapping Digital Technologies in Health Used by MMS Members

MMS Digital Health Forum
Bern 7 September 2020
Carine Weiss (MMS)

## Alexandria Ocasio-Cortez questions Mark Zuckerberg on when Facebook will fact check


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## The largest Data Scandale

**Revealed: 50 million Facebook profiles harvested for Cambridge Analytica in major data breach**

**Whistleblower describes how firm linked to former Trump adviser Steve Bannon compiled user data to target American voters**

- **'I made Steve Bannon's psychological warfare tool': meet the data war whistleblower**
- **Mark Zuckerberg breaks silence on Cambridge Analytica**


▲ Cambridge Analytica whistleblower: 'We spent $1m harvesting millions of Facebook profiles' – video

The data analytics firm that worked with Donald Trump's election team and the winning Brexit campaign harvested millions of Facebook profiles of US voters, in one of the tech giant's biggest ever data breaches, and used them to build a powerful software program to predict and influence choices at the

The data analytics firm that worked with Donald Trump's election team and the winning Brexit campaign harvested millions of Facebook profiles of US voters, in one of the tech giant's **biggest ever data breaches**, and used them to build a powerful software program to predict and influence choices at the ballot box.

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## Results of the mapping excercise

**Mapping Digital Technologies in Health Used by MMS Members**

**Digital Health Survey**

The mapping of digital health technologies being used by MMS member organisations is designed to secure a better understanding of who is doing what, how and where. The mapping exercise intends to increase collaboration among members and foster exchange and learning opportunities, as well as promoting the responsible use of these technologies to avoid the fragmentation of health systems.

The survey takes approximately 20 minutes to complete. We would highly value getting insights from your institution's/organisation's experiences. The results of this survey will feed into the *Swiss Framework on Digital Health in International Health Cooperation* and will be presented at a Forum taking place on 26 May in Biel.

All information will be treated in an anonymous and confidential way. You can respond on behalf of your institution/organisation at large or within the scope of your own work within your institution/organisation.

**We thank you for your willingness to share your experiences and knowledge – and look forward to learning more about your work.**

Thank you!

Carine Weiss
Medicus Mundi Switzerland

OK

0 of 29 answered

- Out of 47 member organisaitons 20 organisations took part.
- 13 orgnisations are using digital health technologies in their projects and programs.

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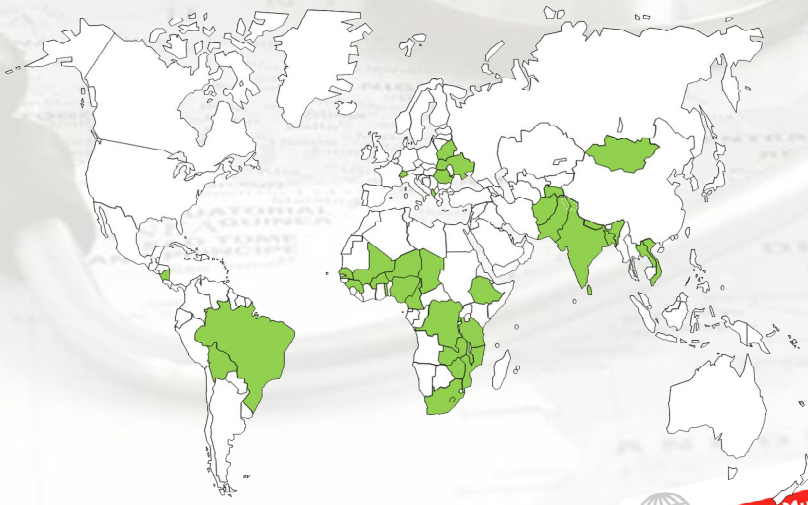
## Number of countries where digital health activities are implemented



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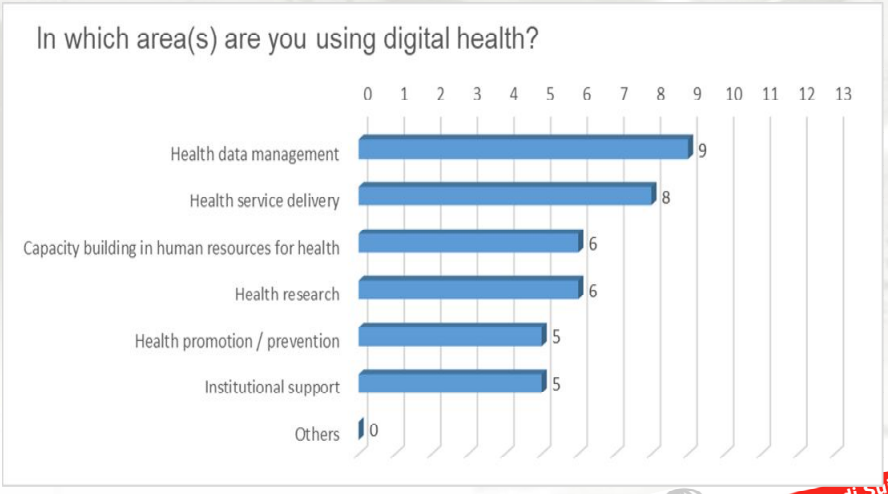
## Results of the online survey




*Note: n=13; multiple answers possible*

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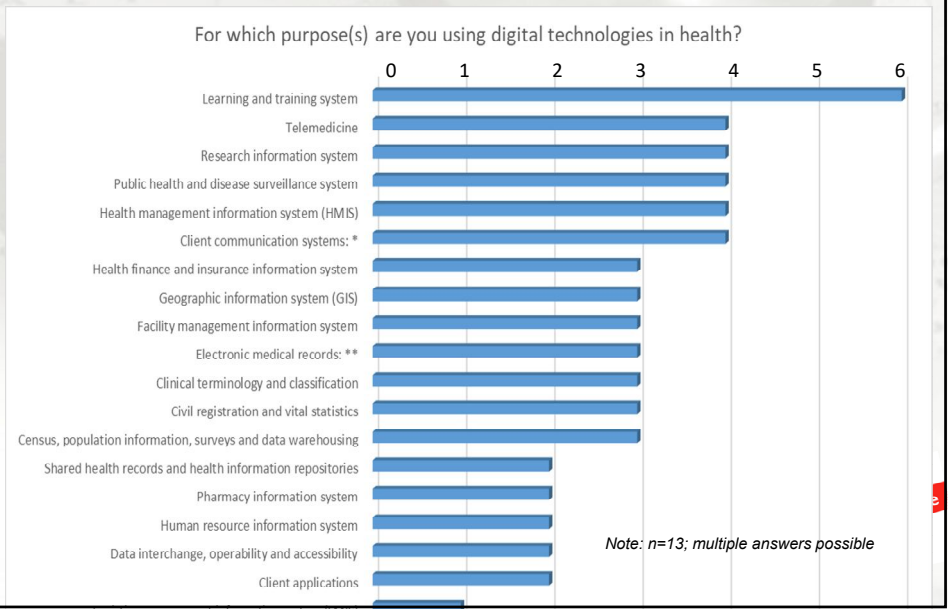


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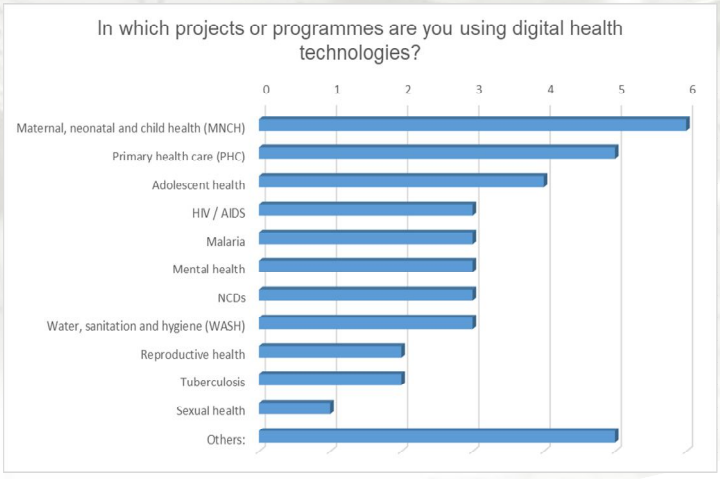


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# Results of the online survey

Aspects considered when planning and developing a digital health tool / project / program

| | Very much (%) | A little (%) | Not at all (%) |
|---|---|---|---|
| The environment (electricity use, equipment availability) | 66.7 | 25.0 | 8.3 |
| Waste management systems (eWaste) | 0.0 | 25.0 | 75.0 |
| Integral effects on health systems (direct and indirect consequences) | 50.0 | 41.7 | 0.0** |
| Availability of non-digital options | 58.3 | 33.3 | 8.3 |
| Digital skills of the recipients | 75.0 | 16.7 | 8.3 |
| Ethics | 58.3 | 25.0 | 16.7 |
| Data ownership | 66.7 | 25.0 | 0.0** |
| Alignment with the national digital health strategy (if one exists) | 58.3 | 25.0 | 16.7 |
| Co-development of systems by their intended users | 25.0 | 25.0 | 50.0 |
| Evaluation in participatory codes of behaviour | 8.3 | 33.3 | 50.0** |
| People with disabilities (blind, deaf, physical impairments) | 8.3 | 25.0 | 66.7 |
| Gender sensitivity | 16.7 | 50.0 | 33.3 |
| Cultural sensitivity | 66.7 | 25.0 | 8.3 |
| Privacy policy (e.g. right to use images) | 58.3 | 33.3 | 8.3 |

*Note: n=12; **missing data*

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# E-Waste

We produce about 50 million tonnes of eWaste per year and only 20 percent of this waste is being formally recycled (ITU, 2019).

eWaste is of particular concern in the world's least developed countries, while at the same time being capable of generating an enormous amount of money (economic returns are worth over 62.5 billion dollars per year) and employment opportunities (ITU, 2020).

https://www.thebetterindia.com/186938/lifestyle-donate-ewaste-ngo-recycling-old-phones-electronics-india/
https://www.scidev.net/global/technology/news/forty-per-cent-of-global-e-waste-comes-from-asia-1x.html

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**Tech is overwhelmingly white and male, and white men are just fine with that**

**OPINION: Youth of color and young women use social media the most, so why are most digital technology developers white men?**

*When differences are sidelined*

**Not so white, male and straight: the video games industry is changing**

BAME and LGBTQ+ representation is above the average for the UK's creative industries, while the number of women in the games industry is creeping upwards

# Results of the online survey

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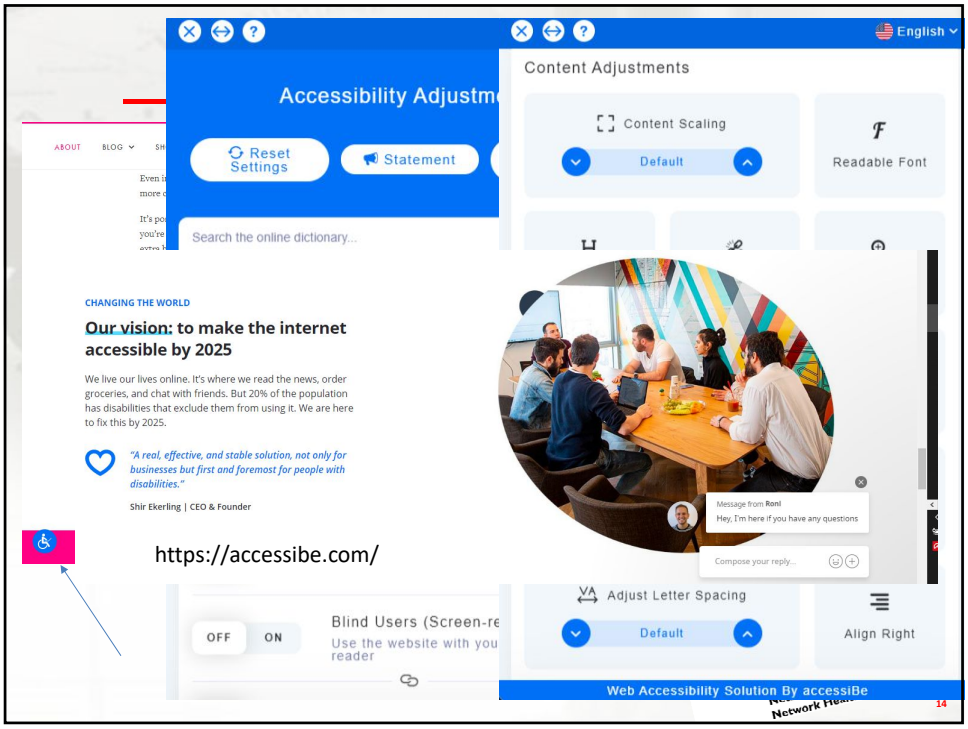

# Results of the online survey

**Advantages**

- Data quality and availability
- Real-time monitoring data
- PHC becomes more efficient
- Support for weaker health systems
- Hard to reach can be reached
- Increased credibility of health providers

**Challenges**

- Data ownership
- Ethics
- Network problems / availability
- Appropriateness of a given tool
- Capacity building
- Feeding data back into existing managment systems

# Statements from the telephone interviews

- *Digital tools should not replace the human assessment and decision-making process.*
- *They cannot replace personal skills or individual contact.*

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## We don't know…


Big Data + Add to myFT

**Yuval Noah Harari on big data, Google and the end of free will**

Forget about listening to ourselves. In the age of data, algorithms have the answer, writes the historian Yuval Noah Harari

**Insert your microchips, humans. The future is now**

ELIZABETH RENZETTI › PUBLISHED JULY 29, 2017 + FOLLOW ELIZABETH

PUBLISHED JULY 29, 2017

This article was published more than 3 years ago. Some information in it may no longer be

TRENDING

1 OPINION

Prepare for a ver… Conservative Le… O'Toole

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## Digital health being ***a*** solution to UHC

The degree of engagement among MMS members varies

- *The degree to which digital technologies are being used by MMS members ranges from zero engagement to "a little bit" right up to "exclusively digital health".*
- *Most of the organisations identify the role played by digital health as "small" with regards to their overall portfolio of activities.*

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## There is little evidence of the use of local or national resources

*There is little evidence of the use of local or national resources in the research and development or in the design, building, implementation and maintenance of digital health in the countries of deployment.*

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## Digital health is considered as promising and important

Despite lack of evidence and uncertainties

*An enthusiasm for digital health has also led to a proliferation of short-lived implementation and an overwhelming diversity of digital tools, with a limited understanding of their impact on health systems and on people's well-being.*

=> WHO has issued several guidance documents on how to assess the quality and impact of digital health interventions

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## The issue of going digital is far more complex than we might think


## Thanks go to…

- All the participants for their valuable input and honesty.
- Special thanks go to Gertjan van Stam for his support and insights into the topic of digital health.
- Medicus Mundi Switzerland intern Nicola Imseng has been invaluable in helping to develop the questionnaires, set up and transcribe the telephone interviews and proofread this report.
- Thanks also go to Martin Leschhorn, director of Medicus Mundi Switzerland for his continuous support.
- And to all those you have contributed to this work…

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**Thank you !**