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Correction: Measuring digital health literacy and its associations with determinants and health outcomes in 13 countries

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KEYWORDS

digital health literacy, eHealth literacy, HLS_{19}, digital health literacy measurement, measurement scale validation, health information technology literacy, M-POHL

A Correction on

Measuring digital health literacy and its associations with determinants and health outcomes in 13 countries

by Levin-Zamir, D., Van den Broucke, S., Bíró, É., Bøggild, H., Bruton, L., De Gani, S. M., Søberg Finbråten, H., Gibney, S., Griebler, R., Griese, L., Guttersrud, Ø., Klocháňová, Z., Kucera, Z., Le, C., Link, T., Mancini, J., Miksova, D., Schaeffer, D., Ribeiro da Silva, C., Sørensen, K., Straßmayr, C., Telo de Arriaga, M., Vrdelja, M., and Pelikan, J., on behalf of the HLS_{19} Consortium of the WHO Action Network M-POHL (2025). *Front. Public Health* 13:1472706. doi: 10.3389/fpubh.2025.1472706

In the published article, the article title was "HLS_{19}-DIGI - a new instrument for measuring digital health literacy: development, validation and associations with determinants and health outcomes in 13 countries"

The correct title is: "Measuring digital health literacy and its associations with determinants and health outcomes in 13 countries"

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A correction has been made to **Abstract,** *Methods*

The term "HLS_{19}-DIGI" has been added and the sentence below has been added:

"The instrument is a modified and extended version of the Digital Health Literacy Instrument (DHLI)."

So that the section now reads:

"Methods: Using a concept validation approach, the aim of the study was to validate the digital health literacy measure HLS_{19}-DIGI, applied in the European Health Literacy Survey (2019–2021) of the WHO M-POHL network, analyzing data from 28,057 respondents from 13 countries. The instrument is a modified and extended version of the Digital Health Literacy Instrument (DHLI)."

In **1. Introduction**, *1.1 Existing research and measures of digital health literacy*, paragraph 3, "(DHLI)" has been changed to "(Digital Health Literacy Instrument- DHLI)".

In **1. Introduction,** *1.2 Rational for a further developed digital health literacy measure*, the header "Rational for developing a new digital health literacy measure" has been changed to "Rational for a further developed digital health literacy measure".

In **1. Introduction,** *1.2 Rational for a further developed digital health literacy measure*, paragraph 2, "opportunity to develop and validate a new measure for DHL" has been changed to "opportunity to further develop and validate a further developed measure for DHL."

In **1. Introduction,** *1.2 Rational for a further developed digital health literacy measure*, paragraph 3, "This article is part of a series of papers, introducing new health literacy tools that have been developed, applied, and tested through the HLS_{19} study (27–30)" has been changed to "This article is part of a series of papers, introducing health literacy tools that have been developed, applied and tested through the HLS_{19} study (27-30)".

In **1. Introduction,** *1.2 Rational for a further developed digital health literacy measure*, paragraph 3, "The aim of this series is to use the data collected in HLS_{19} to examine the psychometric properties of the newly developed health literacy tools and different aspects of their validity" has changed to "The aim of this series is to use the data collected in the HLS_{19} to examine the psychometric properties of the newly or further developed health literacy tools and different aspects of their validity".

In **2. Materials and methods**, *2.1 The HLS_{19}-DIGI instrument*, the header has changed from "2.1 Development of the HLS_{19}-DIGI instrument" to "2.1 The HLS_{19}-DIGI instrument".

In **2. Materials and methods**, *2.1 The HLS_{19}-DIGI instrument*, paragraph 1, "The DHL instrument developed for the HLS_{19} survey, named HLS_{19}-DIGI, is based on the DHLI measure (16) but aligned more strongly with the concept and model of general health literacy proposed by the HLS-EU study (27) and promoted by M-POHL" has changed to "The DHL instrument further developed for the HLS_{19} survey, named HLS_{19}-DIGI, is based on the DHLI measure (16) but aligned more strongly with the concept and model of general health literacy proposed by the HLS-EU study (27), and promoted by M-POHL.

In **2. Materials and methods**, *2.1 The HLS_{19}-DIGI instrument*, paragraph 1, the citation (16) has been added, so that the sentence reads "Compared to the DHLI (16), the HLS_{19}-DIGI adds the dimension of understanding digitally accessed health information and eliminates the redundancy on the topic of applying health information."

In **2. Materials and methods**, *2.1 The HLS_{19}-DIGI instrument*, paragraph 3, the citation (16) has been added, so that the sentence reads "We have adapted, shortened and extended the content of the DHLI tool (16), translated it into several languages and tested it, and this paper reports on the psychometric testing."

In **4. Discussion**, paragraph 2, "This article described the conceptual background, development, and validation of a new instrument to measure DHL at the population level and investigated its determinants and associations with health outcomes " has changed to "This article described the conceptual background, development, and validation of a further developed instrument to measure DHL at the population level and investigated its determinants and associations with health outcomes."

In **4. Discussion,** *4.1 Limitations*, "For some countries, the non-response rates for several items were markedly higher than for other HLS_{19} measures. this may be partly due to the fact that people cannot evaluate something they do not do in everyday life, namely if they do not use the Internet to search for health information." has changed to "For some countries, the non-response rates for several items were markedly higher than for other HLS_{19} measures, which may be partly due to the fact that people cannot evaluate something they do not do in everyday life, namely if they do not use the Internet to search for health information."

In **5. Conclusions and implications**, "A compact, conceptually sound new instrument to measure DHL was validated for 13 languages in 13 countries, showing acceptable psychometric properties." Has changed to "A compact, conceptually sound instrument to measure DHL was validated for 13 languages in 13 countries, showing acceptable psychometric properties."

The original version of this article has been updated.

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