

Response to the Comments on "Promoting Health Literacy in the Workplace Among Civil Servants: Cross-Sectional Study"

Florence Carrouel, Benjamin du Sartz de Vigneulles, Céline Clément, Virginie-Eve Lvovschi, Elise Verot, Valeria Tantardini, Michel Lamure, Denis Bourgeois, Claude Dussart, Romain Lan

Submitted to: JMIR Public Health and Surveillance on: October 17, 2024

Disclaimer: © **The authors. All rights reserved.** This is a privileged document currently under peer-review/community review. Authors have provided JMIR Publications with an exclusive license to publish this preprint on it's website for review purposes only. While the final peer-reviewed paper may be licensed under a CC BY license on publication, at this stage authors and publisher expressively prohibit redistribution of this draft paper other than for review purposes.

Table of Contents

Original Manuscript.......4

Response to the Comments on "Promoting Health Literacy in the Workplace Among Civil Servants: Cross-Sectional Study"

Florence Carrouel¹ Prof Dr; Benjamin du Sartz de Vigneulles¹ MS; Céline Clément^{1, 2} PhD; Virginie-Eve Lvovschi^{3, 4} PhD, MD; Elise Verot^{1, 5, 6} PhD; Valeria Tantardini⁷ MD; Michel Lamure¹ PhD; Denis Bourgeois^{1, 4} Prof Dr; Claude Dussart^{1, 4} Prof Dr; Romain Lan^{1, 8} Prof Dr

Corresponding Author:

Florence Carrouel Prof Dr Health Systemic Process Laboratory (P2S), UR4129 University Claude Bernard Lyon 1 University of Lyon 7 rue Guillaume Paradin Lyon FR

Abstract

(JMIR Preprints 17/10/2024:67634)

DOI: https://doi.org/10.2196/preprints.67634

Preprint Settings

- 1) Would you like to publish your submitted manuscript as preprint?
- ✓ Please make my preprint PDF available to anyone at any time (recommended).

Please make my preprint PDF available only to logged-in users; I understand that my title and abstract will remain visible to all users. Only make the preprint title and abstract visible.

No, I do not wish to publish my submitted manuscript as a preprint.

- 2) If accepted for publication in a JMIR journal, would you like the PDF to be visible to the public?
- ✓ Yes, please make my accepted manuscript PDF available to anyone at any time (Recommended).
 - Yes, but please make my accepted manuscript PDF available only to logged-in users; I understand that the title and abstract will remain vest, but only make the title and abstract visible (see Important note, above). I understand that if I later pay to participate in <a href="https://example.com/above/library/

¹Health Systemic Process Laboratory (P2S), UR4129 University Claude Bernard Lyon 1 University of Lyon Lyon FR

²Interpsy Laboratory (UR4432) University of Lorraine Nancy FR

³Research on Healthcare Performance Laboratory (INSERM U1290) University Claude Bernard Lyon 1 University of Lyon Lyon FR

⁴Hospices Civils of Lyon Lyon FR

⁵PRESAGE Institute University Jean Monnet Saint-Etienne FR

⁶Centre Hospitalier Universitaire de Saint-Etienne (CIC 1408 INSERM) Saint-Etienne FR

Geriatric Rehabilitation and Follow-up Care Service Centre Hospitalier Universitaire of Rouen Oissel site Rouen FR

⁸Anthropologie bio-culturelle, droit, éthique et santé Laboratory (ADES, UMR7268) Centre National de la Recherche Scientifique, Etablissement Français du Sang Aix Marseille University Marseille FR

Original Manuscript

Author Reply to a Letter to the Editor: Response to the Comments on "Promoting Health Literacy in the Workplace Among Civil Servants: Cross-Sectional Study"

Florence Carrouel¹, Benjamin du Sartz de Vigneulles¹, Céline Clément^{1,2}, Virginie-Eve Lvovschi^{3,4}, Elise Verot^{1,5,6}, Valeria Tantardini⁷, Michel Lamure¹, Denis Bourgeois^{1,4}, Claude Dussart^{1,4}, Romain Lan^{1,8}

Dear Editor,

We would like to extend our gratitude to the authors for their insightful comments [1] on our study, "Promoting Health Literacy in the Workplace Among Civil Servants: Cross-Sectional Study" [2]. Their input significantly enhances discussions around health literacy (HL) and oral health literacy (OHL) in diverse populations and work environments, particularly regarding the United Arab Emirates (UAE).

OHL and HL are crucial for improving health outcomes. Our study revealed differences in OHL compared to HL across various professional categories, indicating the need for targeted interventions. However, while our study emphasizes the importance of numeracy within the French civil servant population, it is essential not to overlook other aspects of health literacy, such as comprehension, decision-making, and access to reliable health information, which are equally critical in promoting overall health [2].

On other hand, while shared concerns regarding the challenges in replicating such a study in the UAE are acknowledged, it is important to underline the differences concerning population involved, which would likely influence the implementation and outcomes. Firstly, the UAE's workforce includes many expatriates, with differences in education and healthcare access. This diversity could result in greater disparities in OHL and HL [3], making it more difficult to assess and compare HL across occupational groups, unlike the more homogeneous French cohort. Secondly, the multilingual

¹Health Systemic Process Laboratory (P2S), UR4129, University Claude Bernard Lyon 1, University of Lyon, Lyon, France.

²Interpsy Laboratory (UR4432), University of Lorraine, Nancy, France.

³Research on Healthcare Performance Laboratory (INSERM U1290), University Claude Bernard Lyon 1, University of Lyon, Lyon, France.

⁴Hospices Civils of Lyon, Lyon, France.

⁵PRESAGE Institute, University Jean Monnet, Saint-Etienne, France.

⁶Centre Hospitalier Universitaire de Saint-Étienne (CIC 1408 INSERM), Saint-Étienne, France.

⁷Geriatric Rehabilitation and Follow-up Care Service, Centre Hospitalier Universitaire of Rouen, Oissel site, Rouen, France.

⁸Anthropologie bio-culturelle, droit, éthique et santé Laboratory (ADES, UMR7268), Centre National de la Recherche Scientifique, Etablissement Français du Sang, Aix Marseille University, Marseille, France.

environment in the UAE adds challenges for HL assessments [4]. Unlike our study, which used standardized, validated French questionnaires to ensure consistency, the UAE would need tools adapted to various languages and cultures. This complicates survey design and health promotion strategies, as interventions must be tailored to the workforce's diverse linguistic and cultural needs [4]. Thirdly, the health system in the UAE is different from France's, which is characterized by a strong public health insurance and workplace health programs. In the UAE, access to healthcare services seems to depend on factors like employment status, nationality, and income. Health promotion initiatives should be adapted to these differences, with tailored interventions to address the needs of different professional categories and address literacy gaps caused by socioeconomic disparities [5].

In conclusion, implementing a similar study to evaluate OHL and HL in the UAE is necessary but requires careful consideration of the cultural environment, the unique healthcare landscape and access to dental and general health services.

- 1. Nair S. Letter to Editor: Promoting Health Literacy in the Workplace Among Civil Servants: Cross-Sectional Study. (Preprint). 2024. doi: 10.2196/preprints.66452
- 2. Carrouel F, du Sartz de Vigneulles B, Clément C, Lvovschi V-E, Verot E, Tantardini V, Lamure M, Bourgeois D, Lan R, Dussart C. Promoting Health Literacy in the Workplace Among Civil Servants: Cross-Sectional Study. JMIR Public Health Surveill 2024 Aug 15;10:e58942. PMID:39149854
- 3. Nair SC, Sreedharan J, Satish KP, Ibrahim H. Health literacy in a high income Arab country: A nation-wide cross-sectional survey study. PLoS One 2022;17(10):e0275579. PMID:36197929
- 4. Curtis E, Jones R, Tipene-Leach D, Walker C, Loring B, Paine S-J, Reid P. Why cultural safety rather than cultural competency is required to achieve health equity: a literature review and recommended definition. International Journal for Equity in Health 2019 Nov 14;18(1):174. doi: 10.1186/s12939-019-1082-3
- 5. Al-Yateem N, Ama L, Mmg O, Maa A, S I, A H, Fr A, Ma S, Jm D, Sa R, Ar S, H H. The impact of cultural healthcare practices on Children's health in the United Arab Emirates: a qualitative study of traditional remedies and implications. Frontiers in public health Front Public Health; 2023 Jun 10;11. PMID:37876720