

## Poster – #EIE2021

### Assessing implementation fidelity of a school's approach to student health and wellbeing.

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#### *Research aim*

To develop a measurement instrument which assesses implementation fidelity of a school's approach to student health and wellbeing, as part of an evaluation study of the Dutch Healthy School program.

#### *Methods*

The questionnaire was developed in five phases. The theoretical framework underlying each phase consisted of seven concepts: adherence, dose, participant responsiveness, quality of delivery, program differentiation, integration, and adaptation. The following phases were conducted:

- 1) semi-structured interviews for concept clarification ( $N = 13$  experts),
- 2) community feedback ( $N = 14$  experts),
- 3) two rounds of online expert consultation for item reduction and revision ( $N = 38$  experts),
- 4) pre-tests for final revisions ( $N = 14$  school employees),
- 5) psychometric testing (Cronbach's alpha + confirmatory factor analysis) ( $N = 535$  schools).

#### *Key findings*

Phase one resulted in an initial list of 58 items. Items were revised, combined, and/or removed based on qualitative and quantitative feedback in phases two and three. Phase four led to minor modifications in wording and functionality. The final questionnaire contained 28 items divided over the seven concepts. In phase five, Cronbach's alpha results were between 0.73 and 0.89 for subscales, and 0.90 for the overall scale. Factor analysis showed that a seven-factor model had a better fit than alternative models. Based on both analyses, one sub-item was removed from the questionnaire.

#### *Discussion*

How can future research benefit from the comprehensive measurement of school health promotion implementation, as presented in this study? How can implementation benefit from the results of a comprehensive measurement of school health promotion implementation?