


## MEETING ABSTRACTS

**Steps in the Development of a Reliable and Valid National Emergency Unit Readiness Assessment Tool for COVID-19 Outbreak in Iran**

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**Background/Introduction:** Evaluation of the Emergency Unit resilience during COVID-19 outbreak is important. In this study, we discuss steps to develop a valid and reliable national Iranian toolkit to assess the EU resilience.

**Objectives:** To develop a toolkit to evaluate the EU resilience during COVID-19 pandemic.

**Method/Description:** Comprehensive literature reviews, experts panel discussion, focus group discussion, semi-structured interviews, and two-round Delphi surveys were used to develop a questionnaire. Then the items reviewed for their readability, feasibility, clarity of wording, layout, and style.

A web-based form was designed to evaluate their face and content validity by a separate panel of experts. The final draft was tested on 30 voluntary EU managers two times (14 days apart). The gathered data were analyzed by SPSS software.

**Results/Outcomes:** Descriptive statistics used to examine the floor and ceiling effects. The short answer comments were analyzed using meaning condensation developed by Svend Brinkmann & Steinar Kvale. Spearman correlation coefficients was used to examine test-retest reliability for agreement with the level of significance set at  $P < .05$ .

Cronbach alpha was used to evaluate the internal consistency reliability and Cohen's kappa scores was used to measure reliability.

Finally, a 47-item questionnaire was developed and sent to the MOH to be used for evaluating EUs resilience.

**Conclusion:** A valid and reliable national toolkit is essential to evaluate EU resilience to deliver a high-quality emergency care and all the emergency managers should be familiar with the process of developing a valid and reliable toolkit.

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