

**Introduction:** The nine-item Patient Health Questionnaire-9 (PHQ-9) is the first choice for screening for depression in primary care and other medical settings. The PHQ-9 has been shown to be a reliable and valid measure of depression symptoms, but there is disagreement among researchers about the factor structure of this questionnaire. Recent systematic reviews have found four different factor models of the PHQ-9, with one- and two-factor models being the most common. This discrepancy may be due to linguistic, cultural and clinical differences between the populations studied. The factor structure of the Russian version of the PHQ-9 during the COVID-19 pandemic has not been examined in any study to date.

**Objectives:** The aim of our study was to determine the factorial structure and internal consistency of the Russian version of the PHQ-9 in COVID-19 survivors.

**Methods:** Fourteen thousand 725 (female - 11479 (78.0%), age - 18-79 years (M - 47.09, SD - 12.70) participants completed an online survey including the PHQ-9 and an ad hoc questionnaire focusing on sociodemographic and COVID-related characteristics. McDonald's omega coefficient was estimated to determine the internal consistency of the questionnaire. Exploratory structural equation modelling (ESEM) with weighted least squares mean and variance adjusted estimator and geomin rotation was performed in Mplus 7.

**Results:** ESEM provided evidence for a three-factor structure of the PHQ-9, representing affective (items 2, 6, 9), anergic (items 1, 3) and somatic (items 3, 5, 7, 8) dimensions of depression. These factors fit the data well (CFI - 0.998; TLI - 0.994; RMSEA (95% CI) - 0.028 (0.024 - 0.032)), better than a single factor (CFI - 0.955; TLI - 0.940; RMSEA (95% CI) - 0.089 (0.087 - 0.092)) and two-factor (CFI - 0.985; TLI - 0.971; RMSEA (95% CI) - 0.062 (0.059 - 0.065)). The McDonald's omega was 0.82.

**Conclusions:** Our study revealed a three-factor structure of the Russian version of the PHQ-9 in COVID-19 survivors. COVID-19. A high internal consistency of the Russian version of the instrument was confirmed.

**Disclosure of Interest:** None Declared

## EPV0320

### Investigation of the factor structure of GAD-7 in Moscow residents exposed to SARS-CoV2

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**Introduction:** Rates of anxiety in the general population increased significantly during the COVID-19 pandemic. Several studies have shown that people exposed to SARS-CoV2 are at increased risk for both exacerbation and de novo development of anxiety disorders. Therefore, screening for anxiety disorders in this at-risk population is essential. In pre-pandemic studies, the 7-item Generalized Anxiety Disorder Questionnaire (GAD-7) was one of the most commonly used self-report instruments. Its validity has been demonstrated in several studies. However, there is no agreement among researchers about its underlying internal structure. Both

one-factor and two-factor solutions have been reported. This discrepancy may be due to linguistic, cultural, and clinical differences between the populations studied. To our knowledge, no studies have been conducted to investigate the factor structure of the GAD-7 in the Russian-speaking community sample and the psychometric properties of this questionnaire in SARS-CoV2 exposed individuals.

**Objectives:** The aim of the study was to determine the factorial structure and internal consistency of the Russian version of the GAD-7 in a large sample of Moscow residents exposed to SARS-CoV2.

**Methods:** Fourteen thousand 725 (male - 11479 (78.0%), age - 18-79 years (M - 47.09, SD - 12.70) Moscow residents exposed to SARS-CoV2 completed an online survey including the GAD-7 and an ad hoc questionnaire focusing on socio-demographic characteristics. McDonald's Omega was used to assess internal consistency. Exploratory structural equation modelling (ESEM) with weighted least squares means and variance adjusted estimator and geomin rotation was used to assess the factor structure of the Russian version of the GAD-7.

**Results:** The McDonald's Omega of the Russian version of the GAD-7 was 0.85, indicating a good internal consistency of the questionnaire. ESEM provided evidence for a one-factor solution that fits the data well (CFI - 0.996; TLI - 0.995; RMSEA (95% CI) - 0.041 (0.037 - 0.045)).

**Conclusions:** In Russian people exposed to SARS-CoV2, the GAD-7 showed good internal consistency. Our results are consistent with those of previous studies that reported a single-factor solution for the questionnaire.

**Disclosure of Interest:** None Declared

## EPV0321

### Coping strategies facing Covid-19, perceived social support, and trait anxiety among Tunisian caregivers

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**Introduction:** Caregivers in the Sfax region, Tunisia, having been at the forefront in the face of the Covid-19 pandemic, were therefore faced with intense stress. It seemed useful and interesting to us to study their adaptation strategies during this period of pandemic.

**Objectives:** The aims of our study were to identify the coping strategies used by Tunisian Healthcare workers (HCW) during the Covid-19 pandemic and to study the links of the different coping strategies with perceived social support and trait anxiety.

**Methods:** A cross-sectional, descriptive, and analytical study conducted among 254 Tunisian HCW working at the Habib Bourguiba and Hedi Chaker university hospitals in Sfax, during period from January 2021 to April 2021. the questionnaire used included an information sheet and three scales; "Social support questionnaire 6" (SSQ-6), "State Trait Inventory Anxiety Form Y2" (STAI-Y2), and "Ways of Coping Checklist" (WCC).