PARTICIPANTS

The participants studied at three music academies in Poland: the Stanisław Moniuszko Academy of Music in Gdansk, the Feliks Nowowiejski Academy of Music in Bydgoszcz, and the Department of the Fryderyk Chopin University of Music in Białystok. A total of 85 participants were studying instrumental performance (39.9%), 58 music education (27.2%), 20 solo singing (9.4%), ten musical theatre (4.7%), nine studied conducting (4.2%), six church music (2.8%), six sound engineering (2.8%), six music theory (2.8%) and the remaining 13 were taking a variety of other courses (6.1%). In Poland, all music academy students take courses closely related to performance, such as classical piano, their own choice of one or more orchestral instruments, piano improvisation, accompaniment, or vocal studies. These courses usually end with a formal examination or public performance. As such, all participants can be considered music performance students regardless of their main specialization. They were taking different courses in different faculties and were in different year groups. There were very few missing data (less than 1% overall); these were imputed when necessary, using the expectation-maximization (EM) algorithm in SPSS 25.0, which provides unbiased estimates of parameters (Enders, 2001; Scheffer, 2002). The dataset can be made available from the corresponding author on request. This sample has already been used in a separate study published by Czerwiński et al., 2023.

INSTRUMENTS

Demographics. Respondents were asked about their age and gender as well as to provide estimates of the total number of hours they devote every week to studying at the university, both in and outside classes (e.g., at home or the library).

Study addiction. Study addiction was measured using the Bergen Study Addiction Scale (BStAS; Atroszko et al., 2015a). It consists of seven items pertaining to experiences during the past 12 months (e.g., "Studied in order to reduce feelings of guilt, anxiety, helplessness and depression?"), with a Likert-type response scale ranging from 1 (*never*) to 5 (*always*). It showed good psychometric qualities in previous research (Lawendowski et al., 2020). The Cronbach's α reliability coefficient in the current sample was .76.

Learning engagement. Learning engagement was measured using a single item, the question "How engaged in learning are you?" (Atroszko, 2014), with responses ranging from 1 (*I am not at all engaged*) to 7 (*I am completely engaged*). It showed good validity

and test-retest reliability in previous research with an intraclass correlation coefficient of .77 for testretest reliability (Atroszko, 2014; Łukowicz et al., 2017).

Big Five personality traits. The Mini-IPIP (Donnellan et al., 2006) was used to measure the Big Five personality traits. It consists of a 20-item inventory with four items measuring each of the Big Five personality factors: extraversion (e.g., "Talk to a lot of different people at parties"), agreeableness (e.g., "Sympathise with others' feelings"), conscientiousness (e.g., "Like order"), neuroticism (e.g., "Get upset easily") and intellect (e.g., "Have a vivid imagination"). Participants indicate how well each statement described them using a 5-point Likert-type scale ranging from 1 (strongly disagree) to 5 (strongly agree). The scale showed good psychometric qualities in previous research (Czerwiński & Atroszko, 2020). The Cronbach's a reliability coefficients in the current study were the following: .74 for extraversion, .61 for agreeableness, .77 for conscientiousness, .71 for neuroticism, and .64 for intellect.

MPA. The Kenny Music Performance Anxiety Inventory – Revised (K-MPAI-R; Kenny, 2009) was used to measure MPA. The instrument consists of 40 items (e.g., "My worry and nervousness about my performance interferes with my focus and concentration") with a 7-point Likert-type response format, ranging from 0 (*strongly disagree*) to 6 (*strongly agree*). Although originally intended as a multidimensional tool, recent research indicates the unidimensional approach to be superior (Chang-Arana et al., 2018). The scale showed good psychometric qualities in previous research (Kantor-Martynuska & Kenny, 2018). The Cronbach's α reliability coefficient in the current sample was .93.

Perceived stress. The short version of the Perceived Stress Scale (PSS-4; Cohen et al., 1983) was used as a measure of perceived stress, with four items referring to the previous month (e.g., "In the last month, how often have you felt difficulties were piling up so high that you could not overcome them?"). Response options are 0 (*never*), 1 (*almost never*), 2 (*sometimes*), 3 (*fairly often*), and 4 (*very often*). The scale showed good validity and reliability in previous research (Atroszko, 2015; Czerwiński et al., 2020). The Cronbach's α reliability coefficient in the current sample was .78.

General quality of life, general health and quality of sleep. Three single-item measures of different aspects of quality of life, developed on the basis of the WHOQOL-BREF (Skevington et al., 2004), were used. General quality of life was measured by the question "How would you rate your quality of life?" with a 9-point Likert-type scale ranging from very poor (1) Problematic overstudying among young musicians to *very good* (9). General health was measured by the question "How satisfied are you with your health?" with a 9-point Likert scale ranging from 1 (*very dissatisfied*) to 9 (*very satisfied*). Sleep quality was measured by the question "How satisfied are you with your sleep?" with a 9-point Likert scale ranging from 1 (*very dissatisfied*) to 9 (*very satisfied*). This instrument showed good validity and test-retest reliability in previous research with intraclass correlation coefficients of .86 for general quality of life, .72 for general health, and .81 for sleep quality (Atroszko et al., 2015b; Czerwiński et al., 2020).

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GPA. The students were asked to provide information about their grade point average (GPA) from the semester prior to the study as accurately as possible. All universities used a scale ranging from 1 to 25. However, some courses at the Stanisław Moniusz-ko Academy of Music in Gdansk used a scale ranging from 2 to 6. In these cases, the GPA was recalculated using the conversion rate provided in the official rulebook of the academy.

STATISTICAL ANALYSES

Mediation and moderation analyses. Because the study was confirmatory in nature and the analyses were driven by clear hypotheses, no adjustments for multiple testing were applied. It should also be noted that correcting for multiple comparisons is controversial, with some researchers arguing that it is incorrect (see Gelman et al., 2012; Perneger, 1998; Rothman, 1990).

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