

Openness to Experience and Nightmare Frequency

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Instructor's Introduction:

Personality dimensions such as extraversion and conscientiousness have been shown to be associated with well-being. This study examined the potential relationship between one important personality dimension, openness to new experiences, with one aspect of well-being, sleep quality. Previous research suggested that individuals who are open to new experiences might be more likely to experience nightmares than individuals who prefer predictable situations and are uncomfortable with change. However, such studies necessarily used self-report techniques in which participants were explicitly asked about their dream content. The correlation between openness and nightmare frequency could be the result of an imaginative, curious, or creative mind that seeks out new stimulation, which then produces a rich, varied dream experience that is sometimes frightening. Alternatively, open personalities might be more easily influenced than other individuals by the simple question about the incidence of their nightmares. In other words, they might report having more nightmares because they are more suggestible to instruction. The research tested these hypotheses by randomly assigning participants to receive one of three types of instructions when asked about their nightmare frequency. One condition suggested they might have more nightmares than other people, another condition suggested they might have fewer, and a third condition used neutral language. The results confirmed that open personalities report having more nightmares than closed personalities, but type of instruction had no effect on any of the participant reports. Therefore, the findings support the idea that open personalities are not more suggestible but do experience richer and more frightening dreams. Knowing their tendency, individuals with open personalities may use these findings to make adjustments to their lives to improve well being.

- Susan Beers, Lecturer in Psychology, October 2024.

Undergraduate researchers were involved in experiment led by Dr. Susan Beers with a purpose of measuring the frequency of nightmares a participant has based on their personality type (open or closed). Ninety-two participants (57 women, 30 men, and 5 non-binaries; Mage = 23.71, SDage = 5.832) were asked to fill out two surveys, one measuring personality and the other measuring nightmare frequency. The HEXACO-60 was used to measure whether a participant had an open or closed personality (Michael et al., 2008). A four-statement questionnaire determined how often the participant experienced nightmares (Belicki, 1992). Three different instructions were embedded after the HEXACO-60 was completed that randomly assigned to each participant. Each instruction had a different level of suggestibility towards how many nightmares those with open personality may experience. The results concluded there was only



one main effect of personality on nightmare frequency, with no significant effect of instruction level or interaction, F(1, 86) = 8.083, p = .006, $\eta^2 = .086$.

Keywords: personality, HEXACO, open personality, closed personality, nightmare frequency, instruction

