Assessment of Portuguese firefighters' lifestyle: results from an online survey

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Background
Firefighters are an occupational group exposed to multiple agents, such as heat, fatigue, noise and chemical substances. Exposure to these agents can have a severe impact on their health. In addition, lifestyle behaviors may also affect their health and well-being. As such, the aim of this study was to assess health-related lifestyle behaviors in Portuguese firefighters.

Methods
Data was obtained via an online survey using an adapted version of the FANTASTIC Lifestyle Assessment Inventory that included questions on relationships with family and friends, physical activity, nutrition, tobacco and alcohol consumption, sleep and stress, career and shifts. The access link to the survey was disseminated through collaboration with the National Fire Service School. Data was collected between April 24th and May 27th 2021.

Results
From the 861 participating firefighters, the majority were men (67%) and had less than 40 years old. Around half (53.9%) were married and were firefighters for more than ten years. The majority referred to have people to talk about important things and to give and receive affection.

More than a third reported smoking and around 16% reported driving motor vehicles after consuming alcohol.

Around 40% reported to consume more than 3 caffeine drinks per day. Around a tenth reported to almost never have good quality sleep and around 78% reported to have difficulties sleeping.

Around 43% didn’t have capacity to manage stress in their day to day life and about 57% were not able to relax in their free time.

Around 40% reported not being happy with their work and a third reported to do periodic medical exams.

Conclusions
Results of this study point to the importance of developing interventions to improve the lifestyles of Portuguese firefighters, namely, encouraging the practice of physical exercise, healthy eating, non-consumption of tobacco and alcohol and promoting healthy sleep and management of stress. Furthermore, these programs should take into account the differences between different groups of firefighters.