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# Problematic online gaming and the COVID-19 pandemic

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## LETTER TO THE EDITOR



### ABSTRACT

Stay-at-home mandates and quarantines related to the coronavirus (COVID-19) pandemic have led to greatly increased participation in online gaming. Initiatives such as #PlayApartTogether that promote gaming for socializing and stress reduction may achieve positive outcomes. Although gaming can be a healthy coping strategy for the majority, it can also pose risks to some vulnerable individuals. Protracted periods of social isolation and technology-based activity pose the danger of solidifying unhealthy lifestyle patterns, leading to difficulties to readaptation when the COVID-19 crisis has passed. Balanced and effective approaches to gaming during the COVID-19 pandemic are needed to support physical and psychological wellbeing.

### KEYWORDS

COVID-19, coronavirus, pandemic, screen time, gaming disorder, addiction

The coronavirus (COVID-19) pandemic has significantly disrupted normal activities globally. Stay-at-home mandates and quarantines have increased consumption of digital entertainment, particularly online gaming and related activities (e.g., esports viewing and videogame streaming) (Javed, 2020; Perez, 2020). For example, Verizon, a US-based telecommunications provider, reported a 75% increase in online gaming activity coinciding with initial stay-at-home directives (Pantling, 2020). In Italy, a 70% increase in *Fortnite*-gaming-related Internet traffic was reported (Lepido & Rolander, 2020). Steam, a leading gaming distributor, reported more than 20 million concurrent active users, the most in its 16-year history, and live-streaming platforms *YouTube Gaming* and *Twitch* reported 10% increase in viewership (Stephen, 2020). Thus far, increased online gaming has been perceived as complementary to public health efforts to promote spatial distancing (Abel & McQueen, 2020; Businesswire, 2020). Notably, the World Health Organization (WHO) has seemingly expressed support for the gaming industry's online social media campaign (#PlayApartTogether) that incorporates WHO messaging about coronavirus prevention guidelines in conjunction with encouraging online gaming (Ghebreyesus, 2020; Maden, 2020), although recent WHO mental health information (#HealthyAtHome – Mental Health) recommends balanced screen time and gaming (WHO, 2020).

Online gaming may indeed enrich people's lives (Granic, Lobel, & Engels, 2014). Initiatives such as #PlayApartTogether that promote gaming for socializing and stress reduction may achieve positive outcomes. Research evidence shows that high involvement in gaming is not necessarily problematic (Király, Tóth, Urbán, Demetrovics, & Maraz, 2017), and that for most, gaming appears adaptive (Billieux, Flayelle, Rumpf, & Stein, 2019) and may reduce loneliness (Carras et al., 2017). Moreover, gaming is typically less

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harmful than many other potential behaviors used to cope with stress and aversive emotions, such as alcohol and drug use (Corbin, Farmer, & Nolen-Hoekesma, 2013) or overeating (Razzoli, Pearson, Crow, & Bartolomucci, 2017). Gaming may also be relatively inexpensive for those already owning gaming equipment.

However, it is important to acknowledge that significant increases in gaming may not always be beneficial and may pose risks for vulnerable individuals including minors and those affected by and at risk of gaming disorder (King, Koster, & Billieux, 2019). Recognized negative impacts of excessive gaming, including harm to mental health, sleep patterns or physical health (Saunders et al., 2017), may be difficult to discern due to the imposition of work/school-at-home practices. Protracted periods of isolation, technology-based activity, and limited face-to-face interaction have the danger of solidifying unhealthy lifestyle patterns, intensifying technology-related disorders and leading to difficulties to readaptation when the COVID-19 crisis has passed.

A further concern is that, if some individuals may develop, increase, or relapse into unhealthy patterns of gaming to relieve pandemic-related stress, self-isolation restrictions may inhibit help-seeking and present barriers for those in treatment. For this reason, we encourage the exploration of online/telehealth options, including ones that promote social connections (Addiction Policy Forum, 2020). It may also be important to make recommendations about the types of videogames that may better facilitate psychological and physical health, including those that encourage physical activity and social interaction and collaboration.

In summary, it is important to recognize that online gaming, while beneficial in moderation during this crisis, may also generate or promote vulnerabilities that could be exploited by industries that may see opportunities to promote their products (King & Gaming Industry Response Consortium, 2018). Thus, it is important to devise and promote balanced and effective approaches to gaming during the COVID-19 pandemic to support physical and psychological wellbeing.

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