

# Readiness of the health system against COVID-19 and its impact on economy and foreign trade in MENA

Özlem Özsoy<sup>1</sup> and Metin Gürler<sup>2</sup>

<sup>1</sup>Ekol Hospital

<sup>2</sup>Istanbul Medipol University

February 13, 2023

## Abstract

*Objectives* This study aims to investigate the readiness and resilience of health system against COVID-19 and the impact of the pandemic on economy and foreign trade in the Middle East and North Africa (MENA) region with Turkey. *Methods* By descriptive analysis, we evaluated the readiness and resilience of the health system and the impact of the pandemic on economy and foreign trade in the MENA region with Turkey. We tested the normality of the indicators by Jarque-Bera (JB), Shapiro-Wilk (SW) and Kolmogorov-Smirnov (KS) tests. We ranked the countries by min-max standardization method. *Results* As of the end of July 2021, the number of COVID-19 related cases was more than 12.4 million in MENA and 5.7 million in Turkey and deaths were more than 212 thousand in MENA and 51 thousand in Turkey. After the analysis in order, we have found Israel, Saudi Arabia, United Arab Emirates, Turkey and Qatar as the most resilient countries and Yemen, Syria, Palestine, Iraq and Libya as the most vulnerable countries against pandemic. *Conclusion* The pandemic has affected the life and the economies in the region negatively and the health system for some of them was not sufficient to fight with it.

## Hosted file

Readiness of health system and the impact of COVID19.docx available at <https://authorea.com/users/585703/articles/624211-readiness-of-the-health-system-against-covid-19-and-its-impact-on-economy-and-foreign-trade-in-mena>