Incidence, Death, and Vaccination Rates for COVID-19 Across Six Continents

ABSTRACT

COVID-19 is putting a lot of strain on hospitals in order to stop SARS-CoV-2 from spreading. Stopping the COVID-19 outbreak requires equitable access to effective and safe COVID-19 vaccinations. The aim of this study was to study the global trend of deaths, cases, and vaccinations related to COVID-19. This was an ecological descriptive study that was conducted using publicly available data on deaths, cases, and vaccinations related to COVID-191 for the duration between February 2021 and February 2022 from the Our World in Data portal. A total of 437,091,587 COVID-19 cases were reported in the world until the 28th of February 2022. The prevalence rate of COVID-19 increased by 2.82-fold. The incidence rate of New COVID-19 cases increased by 4.15-fold. The overall COVID-19 mortality rate increased by 1.28-fold. The overall COVID-19 vaccination rate increased by 38.92-fold. The rate of COVID-19 vaccination increased during the study period. This was accompanied by a decrease in the rate of new COVID-19 cases and the rate of COVID-19-related mortality. Vaccination rates varied across continents and according to country income. COVID-19 vaccination must be made more acceptable by public awareness campaigns. This is likely to reduce the disease's incidence and related mortality.

Keywords: Continents; COVID-19; Deaths; Incidence; Income; Vaccination

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