

# Psychiatric Adverse Events Following COVID-19 Vaccination: A Population-based Cohort Study in Seoul, South Korea

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## Abstract

*Evidence has suggested an increased risk of psychiatric manifestations following viral infections including coronavirus disease-2019 (COVID-19). However, psychiatric adverse events (AEs) after COVID-19 vaccination, which were documented in case reports and case series, remain unclear.*

This study is aimed to investigate **the psychiatric AEs after COVID-19 vaccination from a large population-based cohort in Seoul, South Korea.**

We recruited 50% of the Seoul-resident population randomly selected from the Korean National Health Insurance Service (KNHIS) claims database on 1, January, 2021. The included participants ( $n = 2,027,353$ ) from the Korean National Health Insurance Service claims database were divided into two groups according to COVID-19 vaccination.

The cumulative incidences per 10,000 of psychiatric AEs were assessed on one week, two weeks, one month, and three months after COVID-19 vaccination. Hazard ratios (HRs) and 95% Confidence interval (CIs) of psychiatric AEs were measured for the vaccinated population. The cumulative incidence of depression, anxiety, dissociative, stress-related, and somatoform disorders, sleep disorders, and sexual disorders at three months following COVID-19 vaccination were higher in the vaccination group than no vaccination group. However, schizophrenia and bipolar disorders showed lower cumulative incidence in the vaccination group than in the non-vaccinated group. Depression (HR [95% CI] = 1.683 [1.520-1.863]), anxiety, dissociative, stress-related, and somatoform disorders (HR [95% CI] = 1.439 [1.322-1.568]), and sleep disorders (HR [95% CI] = 1.934 [1.738-2.152]) showed increased risks after COVID-19 vaccination, whereas the risks of schizophrenia (HR [95% CI] = 0.231 [0.164-0.326]) and bipolar disorder (HR [95% CI] = 0.672 [0.470-0.962]). COVID-19 vaccination increased the risks of depression, anxiety, dissociative, stress-related, and somatoform disorders, and sleep disorders while reducing the risk of schizophrenia and bipolar disorder.

Therefore, special cautions are necessary for administering additional COVID-19 vaccinations to populations vulnerable to psychiatric AEs.

## Introduction

In the unprecedented era of coronavirus disease-2019 (COVID-19), the global outbreak of COVID-19 has had an unpredictable and heterogeneous impact on the healthcare system worldwide [1, 2]. Especially in mental illness, COVID-19 showed an increased risk of mental health problems together with lockdown, social distancing, and uncertain causes [3, 4]. There have been growing concerns that the COVID-19 pandemic has increasingly had a detrimental effect on long-term mental health at an early stage in the development of vaccines [5, 6].

The rapid development of COVID-19 vaccines, ranging from mRNA-based vaccines (BNT162b2, mRNA-1273) to viral vector vaccines (cDNA-based vaccines; AZD1222, JNJ-78436735), has contributed [?] to overcoming the COVID-19 pandemic in the view of severity and mortality [1, 7]. However, it has also given rise to new issues such as **post-COVID-19 sequelae and vaccine-related adverse events** (AEs) [2, 5,6,7,8,9,10]. With their issues, mental health is still an unsolved concern in the post-COVID-19 era [4, 6]. Many studies have focused on **the correlation between mental health and COVID-19 breakthrough [11]. However, mental illness as a result of the COVID-19 vaccine itself, specifically post-vaccination psychiatric AEs was not well-studied, with scant evidence in the literature, which was documented primarily in the form of case reports and case series [12,13,14,15].**

In this study, we investigated the psychiatric AEs including **schizophrenia, depression, bipolar disorder, anxiety, dissociative, stress-related, and somatoform disorders, sleep disorders, and sexual disorders after COVID-19 vaccination** from a population-based cohort using the Korean National Health Insurance Service (KNHIS) claims database in Seoul, South Korea.

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by Michel Chossudovsky

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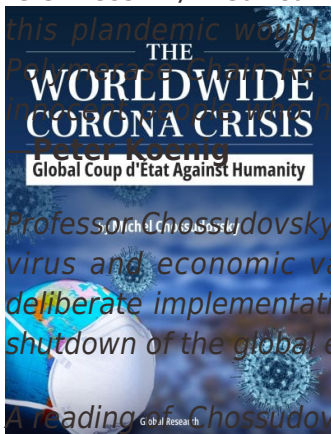
*“My objective as an author is to inform people worldwide and refute the official narrative which has been used as a justification to destabilize the economic and social fabric of entire countries, followed by the imposition of the “deadly” COVID-19 “vaccine”. This crisis affects humanity in its entirety: almost 8 billion people. We stand in solidarity with our fellow human beings and our children worldwide. Truth is a powerful instrument.”*

## Reviews

*This is an in-depth resource of great interest if it is the wider perspective you are motivated to understand a little better, the author is very knowledgeable about geopolitics and this comes out in the way Covid is contextualized. —Dr. Mike Yeadon*

*In this war against humanity in which we find ourselves, in this singular, irregular and massive assault against liberty and the goodness of people, Chossudovsky’s book is a rock upon which to sustain our fight. —Dr. Emanuel Garcia*

*In fifteen concise science-based chapters, Michel traces the false covid pandemic, explaining how a PCR test, producing up to 97% proven false positives, combined with a relentless 24/7 fear campaign, was able to create a worldwide panic-laden “plandemic”; that this plandemic would never have been possible without the infamous DNA-modifying PCR test - which to this day is being pushed on a majority of people who have no clue. His conclusions are evidenced by renown scientists.*



*Professor Chossudovsky exposes the truth that “there is no causal relationship between the virus and economic variables.” In other words, it was not COVID-19 but, rather, the deliberate implementation of the illogical, scientifically baseless lockdowns that caused the shutdown of the global economy. —David Skripac*

*A reading of Chossudovsky’s book provides a comprehensive lesson in how there is a global coup d’état under way called “The Great Reset” that if not resisted and defeated by freedom*

*loving people everywhere will result in a dystopian future not yet imagined. Pass on this free gift from Professor Chossudovsky before it's too late. You will not find so much valuable information and analysis in one place. -Edward Curtin*

### [Nursing Home COVID-19 Vaccination — No Robust Evidence of Saving Lives](#)

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