

Survey Study and Analysis of a Disproportion of Cases and Deaths for Minorities in USA

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Abstract

Statistical analysis and survey were conducted for this study. Recent data from the CDC shows that there is a significant disproportion between cases and deaths for minorities due to COVID-19. A statistical analysis was conducted on the trends of cases and deaths for minorities compared to white Americans. These statistics were found on the CDC's website and were attained by research. The CDC claims American Indians, African Americans, and Hispanics are four times more likely to be hospitalized and almost three more times likely to die due to COVID than white Americans. After learning this information, a survey was conducted on how much people viewed different causes (such as poverty and racism) attributed to this disproportion. Those surveyed were asked to rate on a scale of one to five (one being least likely and five being extremely likely), how much they believed the causes given were the actual cause. The results were surprising. For most causes mentioned, 60-70% responded it was highly likely to be an actual cause. When it came to racism, on the other hand, only 30% believed racism to be a likely cause. With racism and social justice being prevalent in the media right now, one would think that others would say racism to be the cause of a disproportion of cases and deaths for minorities. Furthermore, on the CDC's website, it is stated that racism is the leading cause of a disproportion between minorities but this thought was not reflected in the survey.

Keywords

COVID-19, Statistical Analysis, Prediction and Minorities.

Biography

Takiyah Ali is high school student at Michigan Islamic Academy, Ann Arbor, Michigan, USA. She has completed middle school from Crescent Academy International, Canton, Michigan, USA. Takiyah has received presidential award and participated in the IEOM Middle School and High School STEM Poster Competition at Lawrence Tech in 2017, 2018, 2019 and 2020. Takiyah also joined the STEM poster competition of the Science and Engineering Fair of Metro Detroit in 2017, 2019 and 2020. She served in various clubs including Honor Society, MIST, Yearbook, and Peer-to-Peer at her school and served as a secretary for one them. Takiyah attended the Peer-to-Peer Depression Awareness Program Conference on Monday, November 4 and the 2020 Girls Who Code Virtual Summer Immersion Project from August 10-14, 2020. She is also a member of the Teen Leadership Council at the Canton Public Library and of the Teen Advisory Board at the William P. Faust Westland Public Library. She has also completed an online course at the University of Sydney, University of Michigan, and Duke University.