



Educando para a paz

Cystic Fibrosis: A Descriptive Analysis of Deaths in a Two-Decade Period in Brazil According to Age, Race, and Sex De Azevedo, Luan Victor Frota; Cruz, Fernanda Cristine Ribeiro Medeiros; Martins,
De Azevedo, Luan Victor Frota; Cruz, Fernanda Cristine Ribeiro Medeiros; Martins,
Jéssica Paula; Marson, Fernando Augusto Lima
De Azevedo, Luan Victor Frota; Cruz, Fernanda Cristine Ribeiro Medeiros; Martins, Jéssica Paula; Marson, Fernando Augusto Lima
Programa de Pós-Graduação Stricto Sensu em Ciências da Saúde
doi: 10.3390/diagnostics13040763.
CFTR, Distribution per Race, Epidemiology, Genetic Screening, Human Development Index, Neonatal Screening
Inglês
Título do periódico: Diagnostics
ISSN: 2075-4418
Volume/Número/Paginação/Ano: v.13, p.763, 2023.
17/02/2023
Impressa ou digital
The diagnosis of cystic fibrosis has improved in the last few years due to greater access to diagnostic tools and the evolution of molecular biology; the knowledge obtained has contributed to the understanding of its death profile. In this context, an epidemiological study was developed focusing on deaths from cystic fibrosis in Brazil from 1996 to 2019. The data were collected from the Data-SUS. The epidemiological analysis included patients' age groups, racial groups, and sex. In our data, between 1996 and 2019, $\Sigma 3050$ deaths were recorded, totaling a $\cong 330\%$ increase in the number of deaths resulting from cystic fibrosis. This fact might be related to a better diagnosis of the disease, mainly in patients from racial groups that are not commonly associated with cystic fibrosis, such as Black individuals, Hispanic or Latino (mixed individuals/Pardos) individuals, and American Indians (Indigenous peoples from Brazil). Regarding of race, the Σ of deaths was: nine (0.3%) in the American Indian group, 12 (0.4%) in the Asian group, 99 (3.6%) in the Black or African American group, 787 (28.6%) in the Hispanic or Latino group, and 1843 (67.0%) in the White group. The White group showed the highest prevalence of deaths, and the increase in mortality was $\cong 150$ times in this group, while, in the Hispanic or Latino group, it was $\cong 75$ times. Regarding sex, the numbers and percentage of deaths of both male (N = 1492; 48.9%) and female (N = 1557; 51.1%) patients were seen to be relatively close. As for age groups, the >60-year-old group presented the most significant results, with an increase of $\cong 60$ times in the registered deaths. In conclusion, in Brazil, despite the number of deaths from cystic fibrosis being prevalent in the White group, it increased in all racial groups (Hispanic or Latino, Black or African American, American Indian, or Asian individuals) and was associated with older age.
·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··

