

# NEW YORK MEDICAL COLLEGE

A MEMBER OF THE TOURO COLLEGE AND UNIVERSITY SYSTEM

### BACKGROUND

•Another study conducted in HIV clinics across 60 Spanish hospitals found that HIV confirmed diagnosis patients receiving Tenofovir disoproxil fumarate (TDF)/ Emtricitabine (FTC) have a lower risk for COVID-19 related hospitalizations and lower mortality than those receiving other therapies. The same study found that out of 77,590 HIV-positive persons only, 236 patients were diagnosed with COVID-19, 151 were hospitalized, 15 were admitted to the ICU, and 20 died. No Patient receiving TDF/FTC was admitted to the ICU or died [1].

•Previous retrospective studies demonstrated that patients taking Truvada were less likely to be hospitalized due to active COVID-19 infections.

-The same study also demonstrated that those taking Truvada did not suffer severe health consequences including death [2].

•Truvada is a fixed-dose combination of two antiretroviral drugs used for the treatment of HIV/AIDS. It was developed by Gilead Sciences and consists of 300 milligrams of Tenofovir Disoproxil Fumarate (TDF) and 200 milligrams of Emtricitabine (FTC) [3].

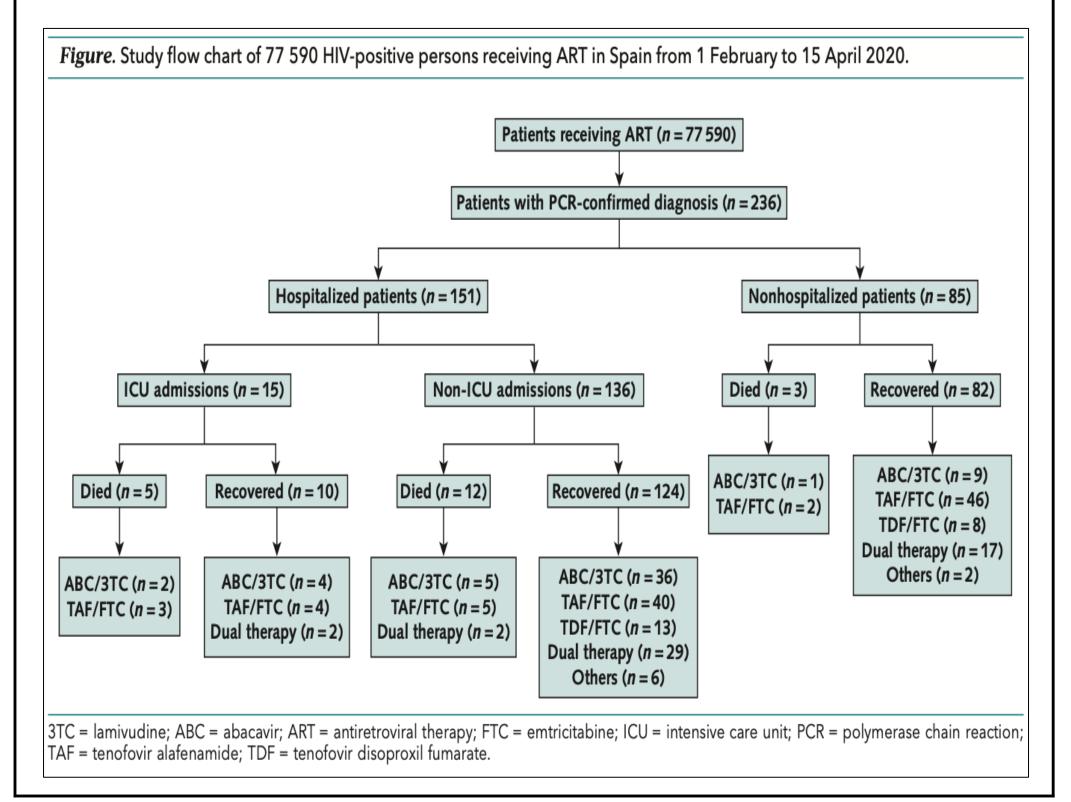


Figure 1: Study Flow chart retrieved from https://pubmed.ncbi.nlm.nih.gov/32589451/[1].

### **RESEARCH OBJECTIVE**

•The purpose of this study was to explore the health outcomes of hospitalized COVID-19 patients on Truvada

•Allocate the comorbidities of those patient who died.

•Mortality Rate

(MR): 70.55%

•Relative Risk (RR):

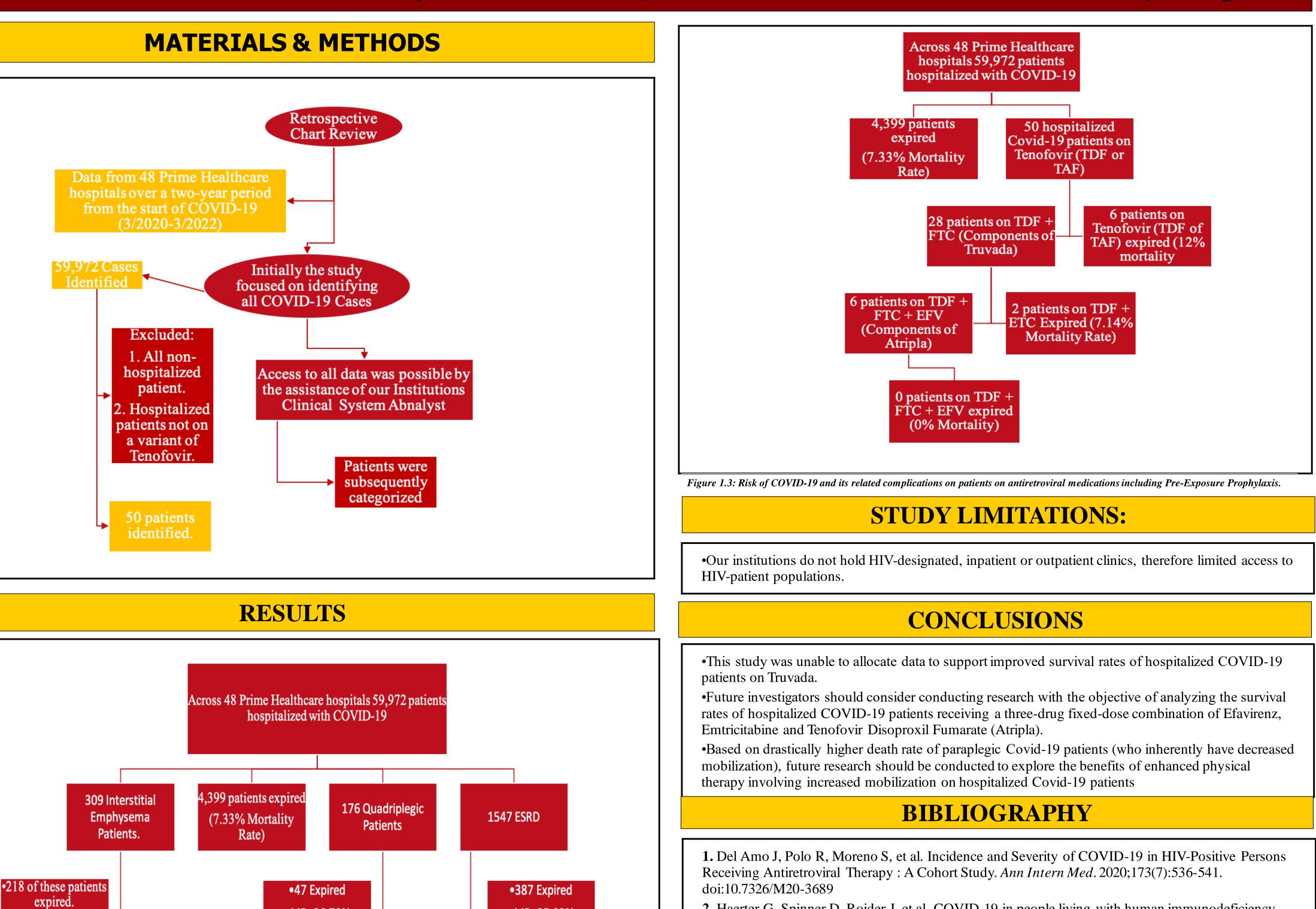
9.88

•MR: 26.70%

•RR: 3.73.



## Health Outcomes of Hospitalized Covid Patients on Truvada Kantor Jeffrey, M.D., Abdo Glen, M.D., M.P.H., St Clare's & Mary's General Hospital's – Internal Medicine Residency Program



•MR: 25.02%

•RR: 3.41.

2. Haerter G, Spinner D, Roider J, et al. COVID-19 in people living with human immunodeficiency virus: a case series of 33 patients. medRxiv. Preprint posted online 1 May 2020. doi:10.1101/2020.04 .28.20073767

**3.** Jockusch S, Tao C, Li X, et al. Triphosphates of the two components in DESCOVY and TRUVADA are inhibitors of the SARS-CoV-2 polymerase. bioRxiv. Preprint posted online 5 April 2020. doi:10 .1101/2020.04.03.022939