

440 Case Study 2 - HIV/AIDS Writeup

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Data

We took our data from <https://ourworldindata.org/hiv-aids>. Our World in Data is an organization based at the University of Oxford dedicated to using research and data to make progress against the world's largest problems. They have been cited in research and media sources such as Science Magazine, The New York Times, and the Royal Statistical Society. The dataset that Our World in Data constructed in turn drew from data from the World Bank, the Global Burden of Disease Collaborate Network, and the Institute for Health Metrics and Evaluation. A formal works cited section is below.

Story

We chose to look into the story of HIV/AIDS around the world over the years. We found a few findings of interest:

1. AIDS is much more prevalent in sub-Saharan Africa than in any other part of the world, and most AIDS deaths happen there.
2. Specifically, South Africa has the most AIDS deaths and has one of the highest prevalences among all countries.
3. AIDS deaths peaked around 2005 and have since been on the decline. However, the number of people living with AIDS has steadily increased. This implies that treatment of AIDS has gotten better and it is no longer the short death sentence it once was.
4. New instances of AIDS over time have decreased since the turn of the millenia.
5. In sub-Saharan Africa, the square Area of a country is correlated with the amount of new infections and AIDS deaths in that country.
6. There has been a large increase in AIDS deaths and new infections in Eastern Europe, specifically Russia and Ukraine, in recent years (~2005-present).

Works Cited

Roser, M., & Ritchie, H. (2018, April 3). HIV / AIDS. Retrieved from <https://ourworldindata.org/hiv-aids>

Global Burden of Disease Collaborative Network. Global Burden of Disease Study 2017 (GBD 2017) Results. Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2018.

World Bank – World Development Indicators. <http://data.worldbank.org/data-catalog/world-development-indicators>