

Project 1 - Interpret Data Visualizations

Introduction

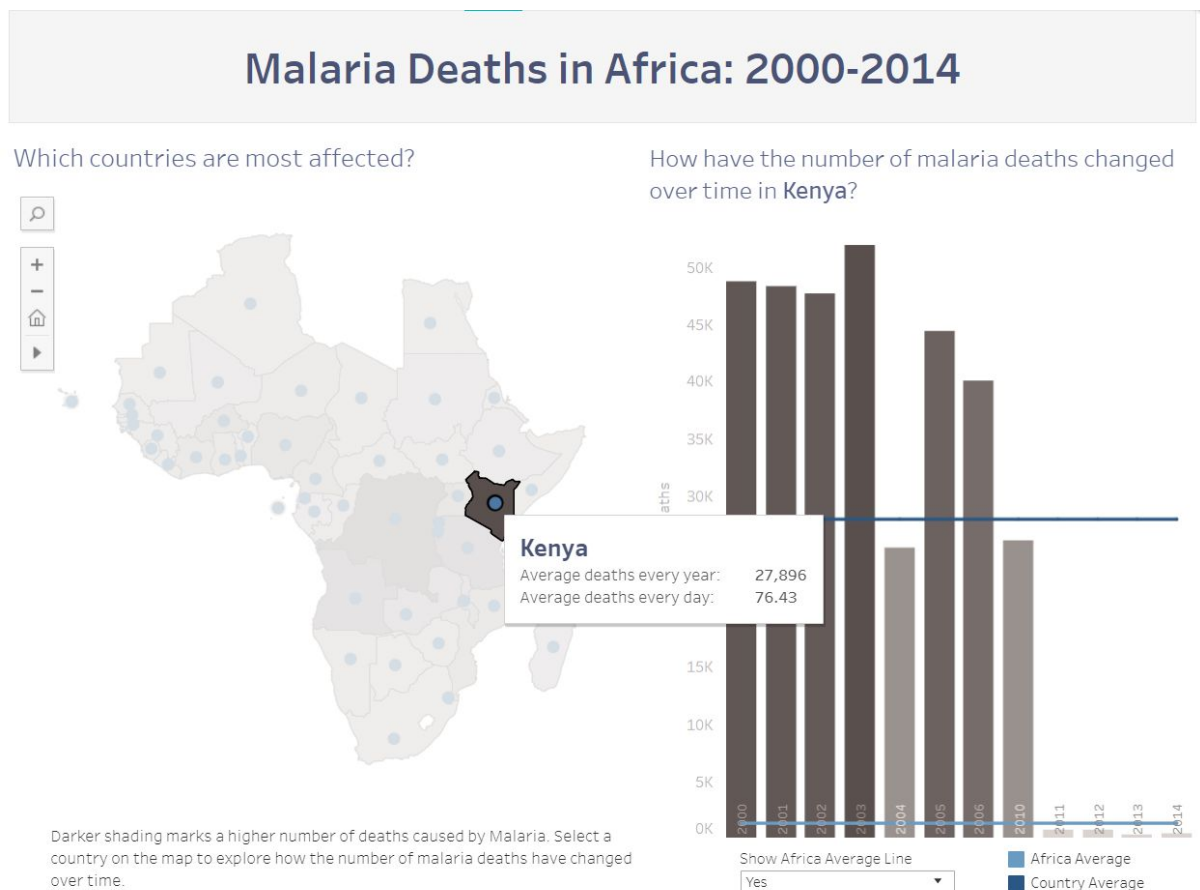
Malaria is a **mosquito-borne infectious disease** that affects humans, caused by protozoan parasites belonging to the genus *Plasmodium*. Four species account for almost all human infections but the species ***P. falciparum*** causes the majority of infections in Africa and is responsible for the most severe forms of the disease, with the highest mortality rate. When an infected mosquito bites a human therefore, it can introduce the parasite from its saliva into the person's blood. Many different species of mosquito transmit malaria in this way. Each of the malaria-transmitting mosquito species has different lengths of life-cycle, preferred aquatic habitat, and preferred feeding. The long lifespan and strong human-biting habit of the African species that carry malaria are the main reasons for the high incidence of malaria in Africa. Despite the fact it is easily preventable and treatable, malaria continues to have a devastating impact on people's health and livelihoods around the world. Around **92%** of Global Malaria Cases were from the **WHO African Region** - an estimated **200 million** cases.

WORKBOOK: ([Malaria in Africa](#))

Observations made for **Kenya, Democratic Republic of the Congo, and Algeria.**

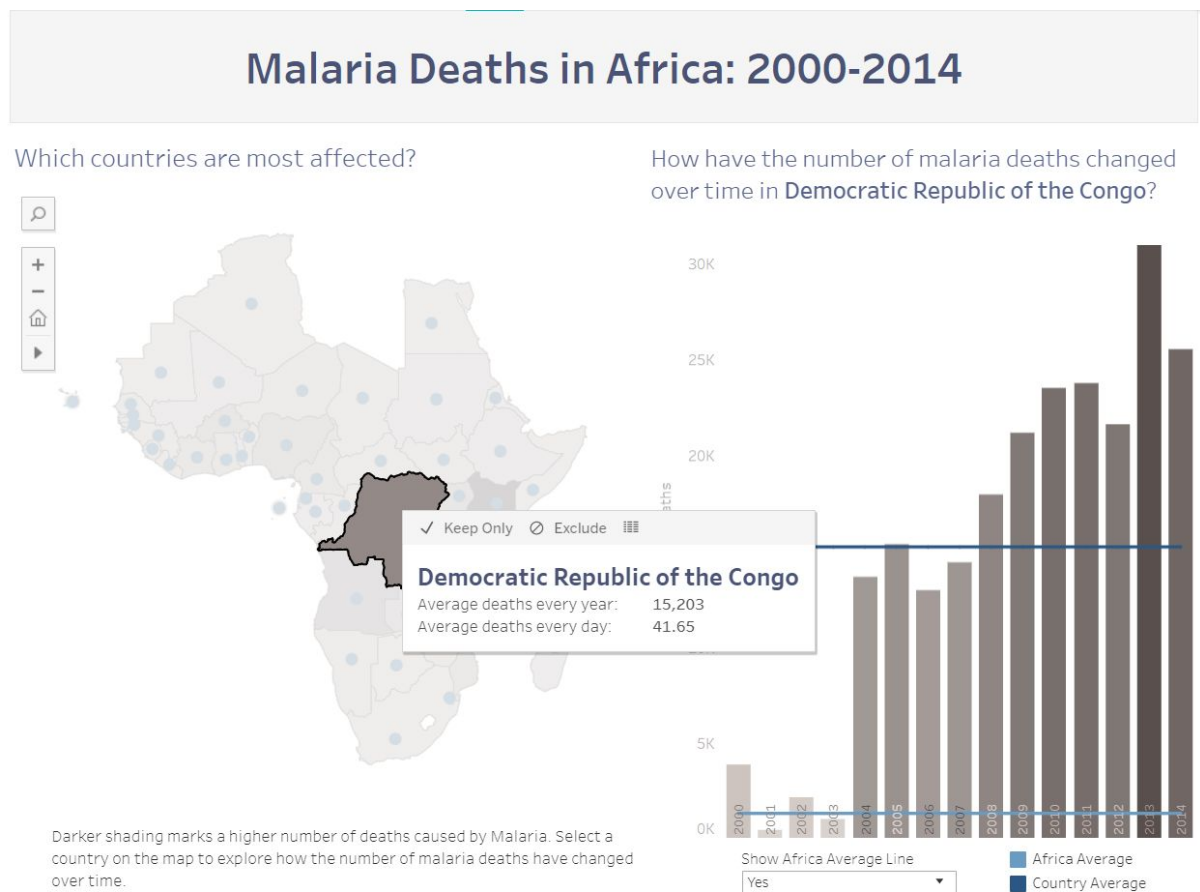
INSIGHT 1 - KENYA

From that dashboard, on clicking the geographical location of Kenya this showed Average Deaths per Year have been highest in Kenya. Kenya is one of the worst Malaria Affected Nations. Average Deaths per day in Kenya is about **76.43** but in years (2004 - 2010) the numbers have decreased and after the year 2010, there is a drastic decrease in malaria deaths even below the African average.



INSIGHT 2 - DEMOCRATIC REPUBLIC OF THE CONGO

From that dashboard, on clicking the geographical location of Democratic Republic of the Congo this showed that In the years where the Number of Malaria Deaths has decreased for Kenya. There is a different story for the Democratic Republic of the Congo. The number of malaria deaths is constantly on the rise since the year 2005 and with maximum deaths in the year Of 2013



INSIGHT 3 - ALGERIA

From that dashboard, on clicking the geographical location of Algeria this showed that where almost every African Nation is affected by Malaria. Algeria has an average death of 1 every year which is the lowest in the whole of Africa.

