

INTERPRETE A DATA VISUALIZATION USING MALARIA DEATHS IN AFRICA

https://public.tableau.com/views/MakeoverMonday34Malaria_0/MalariaInAfrica?:embed=y&:showVizHome=no&:display_count=y&:display_static_image=y&:bootstrapWhenNotified=true

Data Insight 1: Malaria deaths by country per year

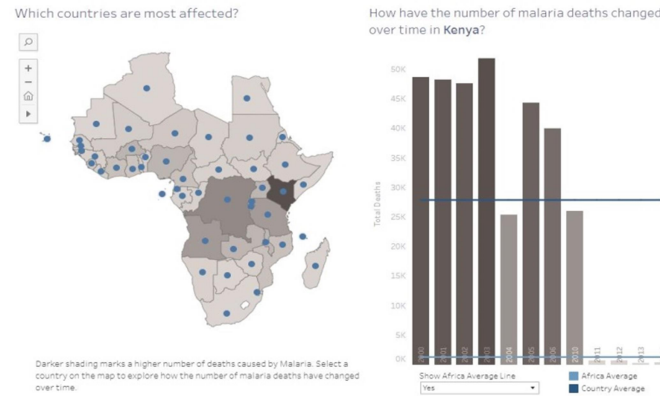


Fig 1: Map depicting the number of malaria deaths in Kenya

Kenya has the highest number of Malaria deaths per year with a disturbing rate of 92.99%

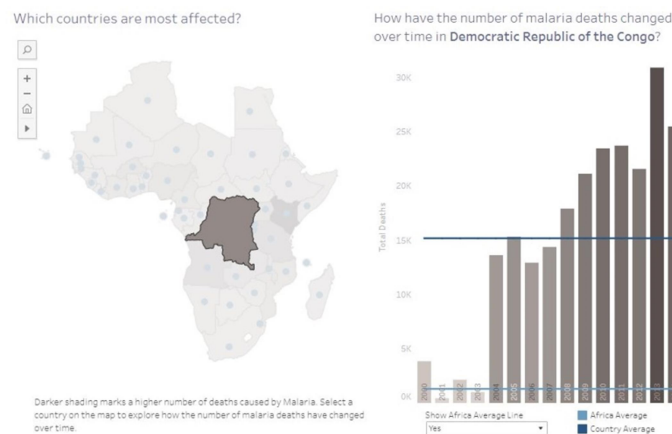


Fig 2: Map depicting the number of malaria deaths in DRC

DRC (Democratic Republic of Congo) has the second highest number of malaria deaths per year with also an alarming rate of 50.68%.

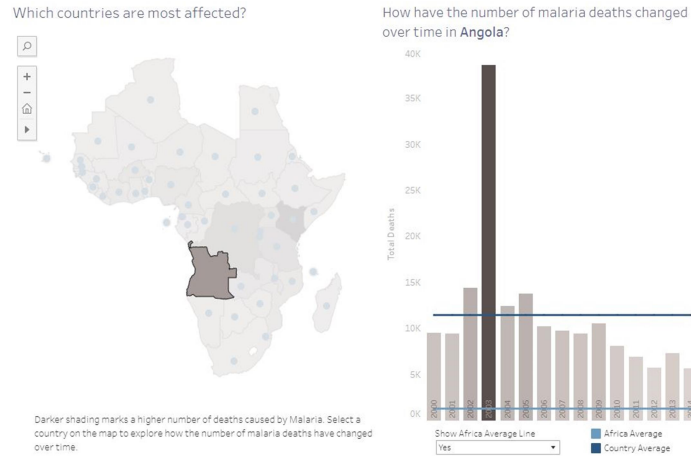


Fig 2: Map depicting the number of malaria deaths in Angola

Angola and United Republic of Tanzania has the third highest number of malaria deaths per year with also a concerning rate of 38.23% and 37.24% respectively.

It is very surprising that Nigeria has the fourth highest number of malaria deaths per year because of the country's massive population.

Nigeria has a surprising rate of 21.10%.

I am afraid that this data is biased. In fact this data suffers from selection bias.

Egypt only had two deaths per year. Algeria only has one death per year. This data is showing the observer expectancy effect.

Due to Egypt and Algeria are majorly occupied by the Arabians. These countries has nothing in common with other black people of the African continent.

Data Insight 2: Malaria deaths by country per day

https://public.tableau.com/views/MakeoverMonday34Malaria_0/MalariaInAfrica?:embed=y&:showVizHome=no&:display_count=y&:display_static_image=y&:bootstrapWhenNotified=true

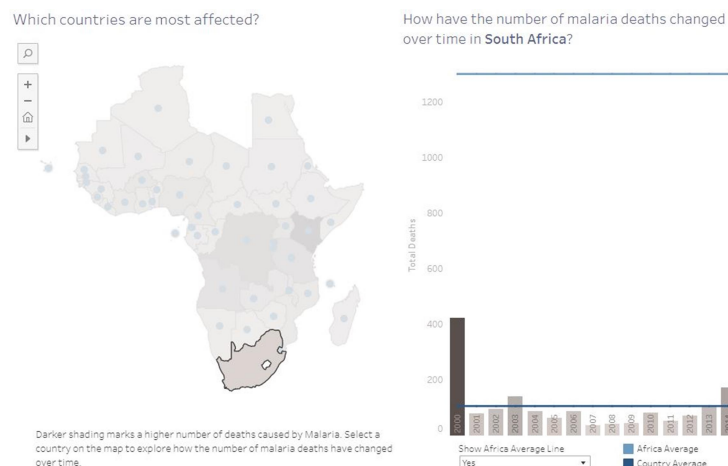


Fig 2: Map depicting the number of malaria deaths in South Africa

Kenya has the lead with a rate of 76.43%. DRC is the first runner up with a rate of 41.65%. Angola is the second runner up with a rate of 31.42%.

It is indeed surprising that Nigeria has a rate of 17.35%.

Now to observe what am saying "Algeria has zero number of malaria deaths per day. Which is impossible.

Egypt has 0.01% of malaria deaths per day. South Africa has 0.29% of deaths per day.

This data is seriously affected by observer expectancy effect.

Data Insight 3: Malaria deaths by excluded countries

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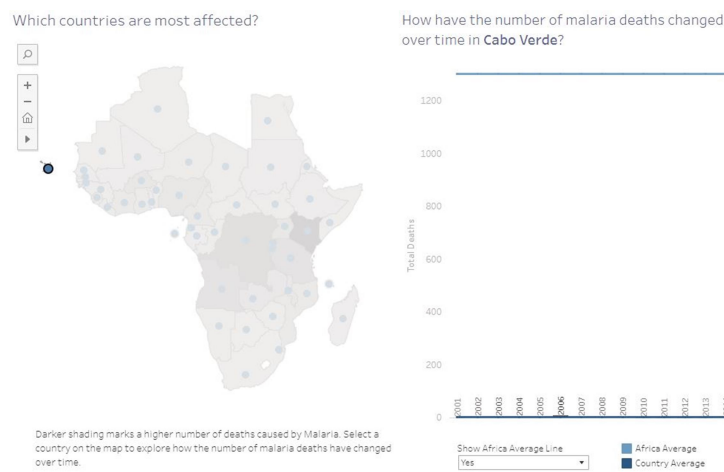


Fig 2: Map depicting the number of malaria deaths in Cabo Verde

Not all African countries were included in this data. Some were badly represented E.g. Cabo Verde.

Cabo Verde is an Island country with 10 volcanic islands having a conducive area for mosquitoes is depicted as having only two deaths per year and 0.01% deaths per day.

This data should be properly researched as this is a very biased representation of malaria deaths in Africa.