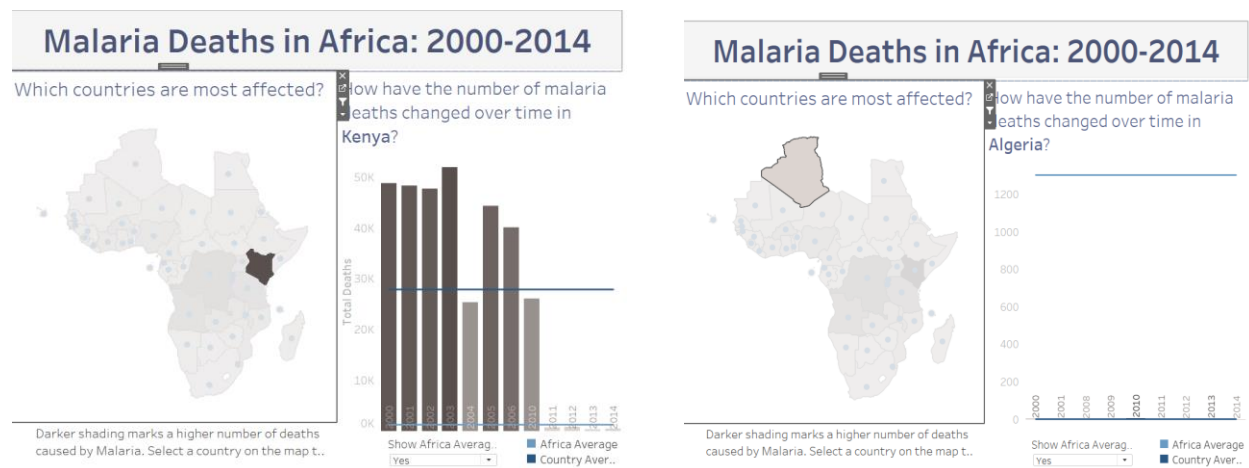


## Malaria in Africa

Malaria is one of the most severe public health problems worldwide. It is a leading cause of death and disease in many developing countries, where young children and pregnant women are the groups most affected. According to the 2021 World Malaria Report: Nearly half the world's population lives in areas at risk of malaria transmission in 87 countries and territories. There are three insights taken from the dashboard below:

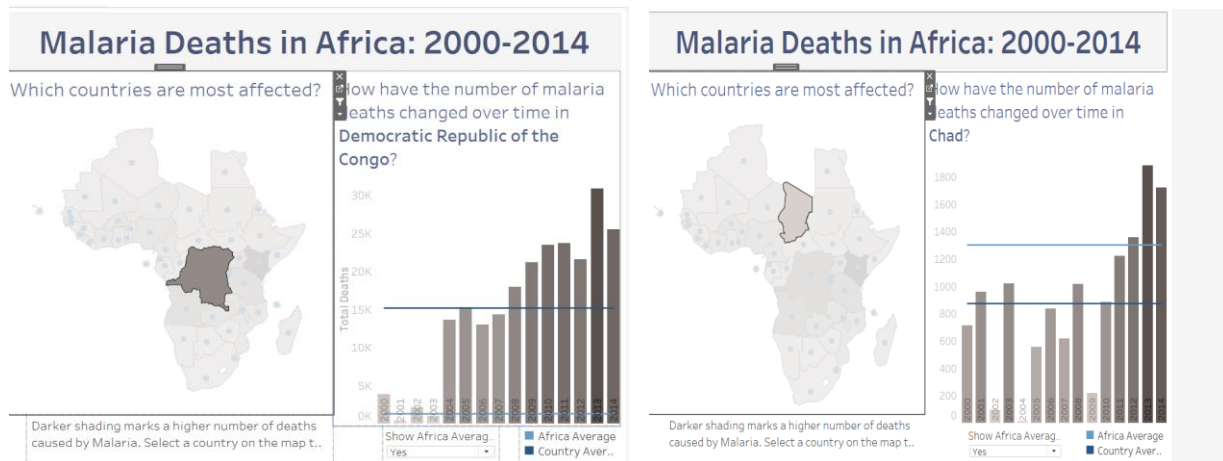
### Insight I (Death Toll Number; by Average of Year and Day):

There are several countries on the map that have low death tolls due to malaria represented by **light grey**, and some have very high death tolls which is represented by **dark grey**. The more the darker, the more death tolls caused by malaria as we hover on the map. As you can see from the map below, countries like Algeria, Egypt, and Cabo Verde have low death tolls per day. While Countries like Kenya, the Democratic Republic of the Congo and United Republic of Tanzania suffered the most death toll average from the continent. For example, when I hover on the map of Kenya the most death toll rank which is 27,896 per year whereas Algeria on the other hand the least death toll only 1 per year.



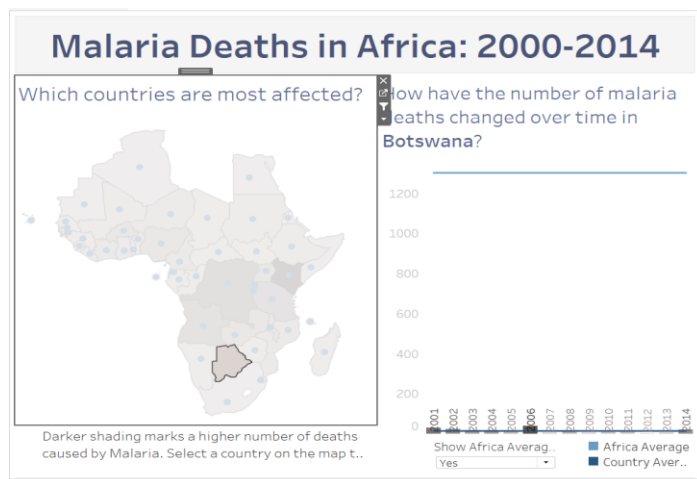
### Insight II (change in Death toll Numbers):

As we have seen on the above insight the death toll gradually decreased in some countries from early 2000's and whose death tolls are rising from the early 2000s and some are lowering from the early 2000s. As we have seen below on the dashboard, When I clicked on the map, the Democratic Republic of the Congo and Chad as an example, the death toll which is low at the early 2000's become exponentially increases as the time goes up.



### **Insight III (No significant change in Death toll Numbers):**

If we take in case of Botswana, when I clicked on the map, the death toll is almost constant and below the Africa's average except the years 2001, 2002, 2006 and 2014.



**Conclusion:** Even if the number is very high in the case of Kenya and low in case of Algeria, there is no a single country in Africa that escape the death toll. Some of the countries showed significant change in minimizing the death tolls and some of them dramatically increases in the indicated time frame. As few of them plays around the Africa's malaria death toll where as very few of them below continents average death toll. The governments of Africa can design a strategic plan to minimize the death of the most vulnerable groups (children and pregnant women) by using this research dashboard and learn from other neighboring countries through experience sharing and designing a policy for action.