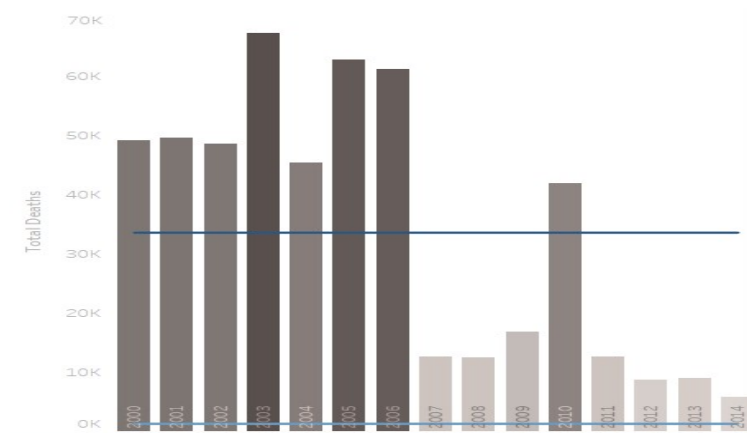


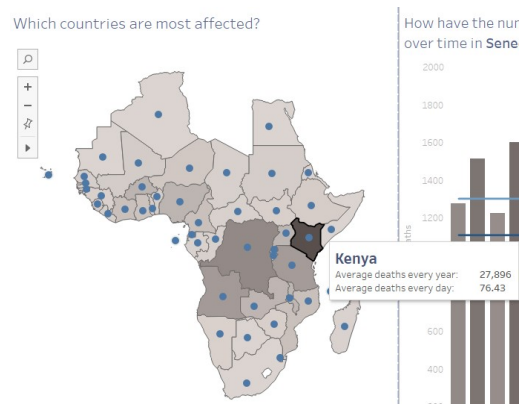
## Project: Interpret a Data Visualization: Malaria Deaths in Africa 2000-2014

1] By how much the malaria deaths in Africa have declined over a span of 15 years?



**Insight #1:** From the dashboard, I clipped the above bar graph, and after studying it, it shows that the Deaths in the region has declined over the years, but it has not been a steady decline, in 2003 the death rate spiked to nearly 69k per year, the average maximum total death rate over the years across the region from the year 2000 to 2014 has been 35k/ year. 2014 the death rate declined significantly to under 10K/year. This is a 28.57% decline, less than 2003. Even though the overall death rate has declined in 15 years, one has to wonder what external factors changed, that caused spikes in deaths in 2003, 2005, 2006 and 2010. Those findings need to be addressed to prevent future spikes.

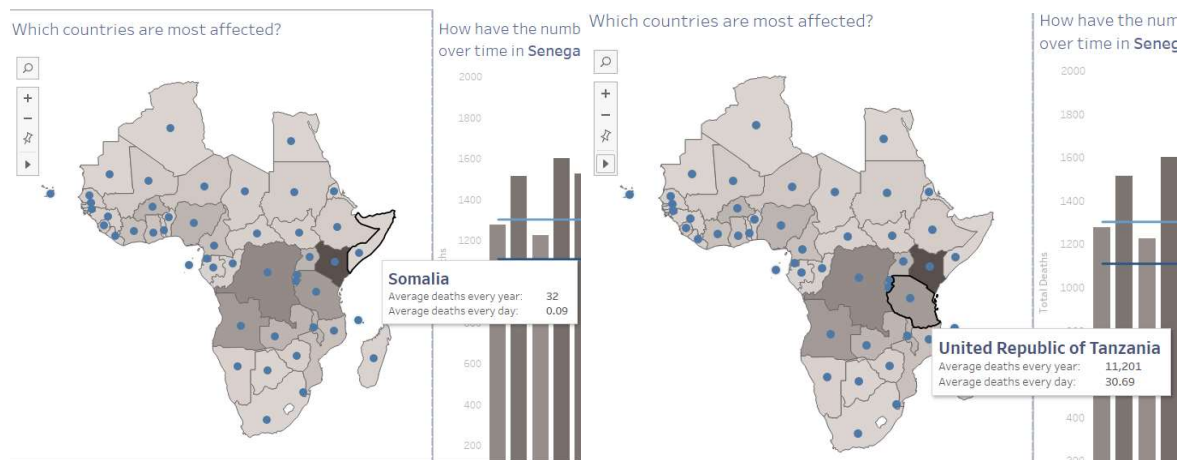
2] What countries are most affected?



**Insight #2:** From the dashboard, I clicked on the Kenya [darkest], Democratic Republic of Congo [dark gray], United Republic of Tanzania [lighter gray] and Nigeria [light gray] on the map respectively, and it gave the number of death per year and per day for each of them, and hence the insight that **Kenya** have the largest number of deaths due to malaria. Kenya being the highest of **27,896 deaths/year** and nearly **76.43 deaths/day**, followed by **Democratic Republic**

of the Congo with 15,203 deaths/year and 41.65/day, United Republic of Tanzania with 11,201 deaths/year and 30.69 deaths/day, Angola at 11,469 deaths/year and 31.42 deaths/day, and then Nigeria is significantly lower compared to the other four nearly half of Angola at 6,331 deaths/year and 17.35 deaths/day.

### 3] Comparing death rate between Kenya, Somalia, and United Republic of Tanzania?



**Insight # 3:** From the dashboard, I clicked on Somalia and United Republic of Tanzania, and from that I had the insight that if we compare Somalia death rate to Kenya being the highest in the region as seen earlier and United Republic of Tanzania the third largest, the overall death rate in Somalia is significantly lower. It is 32 per year and 0.09 per day. Even though the three countries are so close to each other and share borders, one has to find out the reason why Somalia has been more successful and has lower death rate. Somalia's preventative measures can be applied by Kenya and others.



**Conclusion for the report :** From the dashboard, I clicked on the website link to Malaria No More UK, and According to Malaria No More UK, Malaria deaths have fallen by 60% since 2000, however a child dies every 2 minutes due to malaria in the region, which is a sad situation, however Malaria is can be prevented and 3.2 billion lives can be saved in the future, and everyone can help to reduce this mortality rate.