

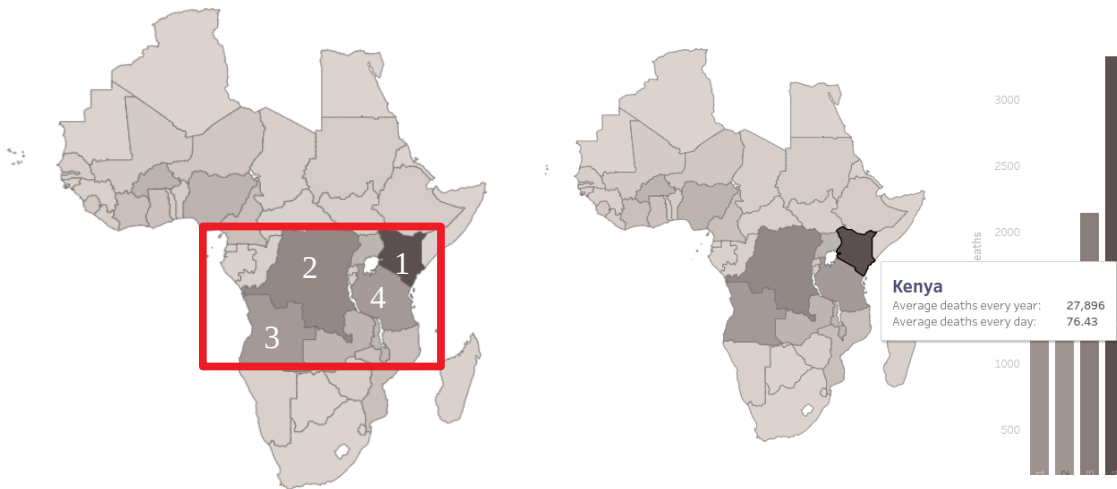
Interpret a Data Visualization

Malaria in Africa 2000-2014

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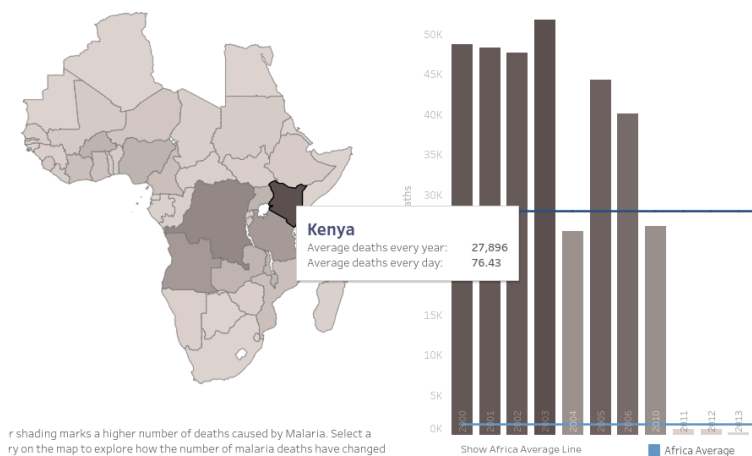
September, 11th, 2018

1) The top three affected countries by Malaria according to the average number of deaths every year in the figure?



The left dashboard displays the countries that are affected the most by the malaria deaths. The darker the shades in the dashboard, the higher the number of deaths. In order to allocate the area with highest deaths I added a red box to highlight the area around the countries with the darkest shades and I numbered them with lower numbers corresponding to higher deaths compared to higher numbers. Then I clicked on each of those countries to decide the ones that had the highest average death rate as the right figure illustrates. So the darkest country is Kenya with 27,896 yearly deaths, the second darkest is the Democratic Republic of the Congo with 15,203 yearly deaths and the the third largest country is Angola with 11,496 yearly deaths which was very close to United Republic of Tanzania with 11,201 deaths.

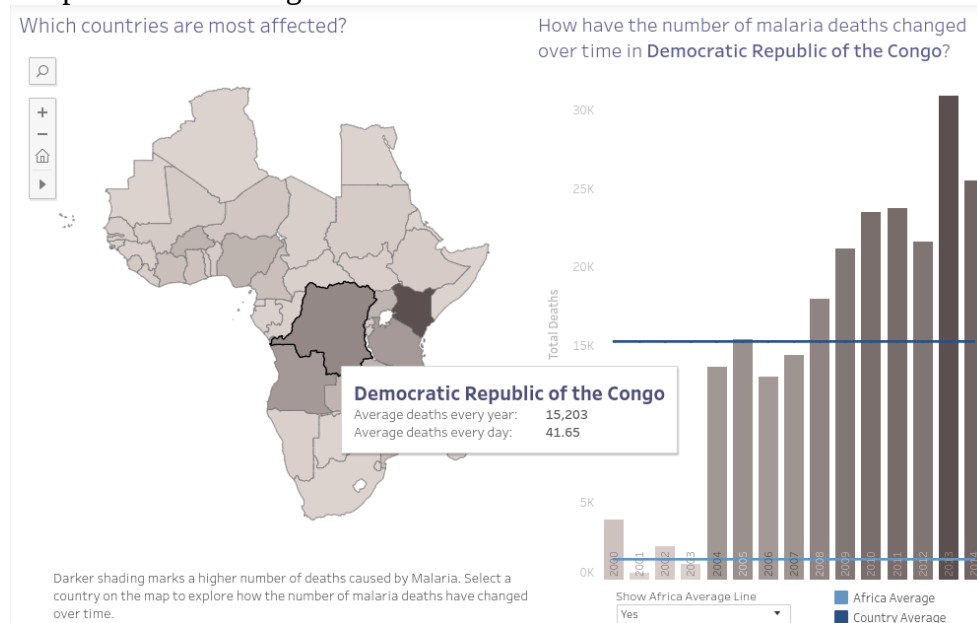
2) Kenya



Clicking on the Kenya on the dashboard, this showed the stats of malaria deaths for every year. There was a huge decrease in the number of deaths in Kenya, though it was one of the darkest areas in Africa

map with number of deaths of 50k that dropped after 2011 to below 1303(average Africa deaths). so it was surprising to see the decrease in deaths across the years. In year 2010, there was about 25k yearly deaths that dropped to below 1303 average deaths in the following 4 years that correspond to an approximate drop of 96% compared to year 2010.

3) Democratic Republic of the Congo



Clicking on the Democratic Republic of the Congo on the dashboard, this showed the stats of malaria deaths for every year. Actually Congo is the opposite of Kenya in terms of the number of deaths trend. As discussed above in Kenya the number of death decreased across the years while for the Democratic Republic of the Congo the number of deaths increased. As can be seen, the number of deaths of increased from around 5k to 30k. So this increase started after year 2003 where the number of deaths was below Africa average deaths to around 15k year deaths in year 2004 which is a 15 times increase of the previous year. This increase in death continued for the following years and the largest number of deaths was in 2013 which is around 30k.