Africa Malaria Deaths: 2000 – 2014

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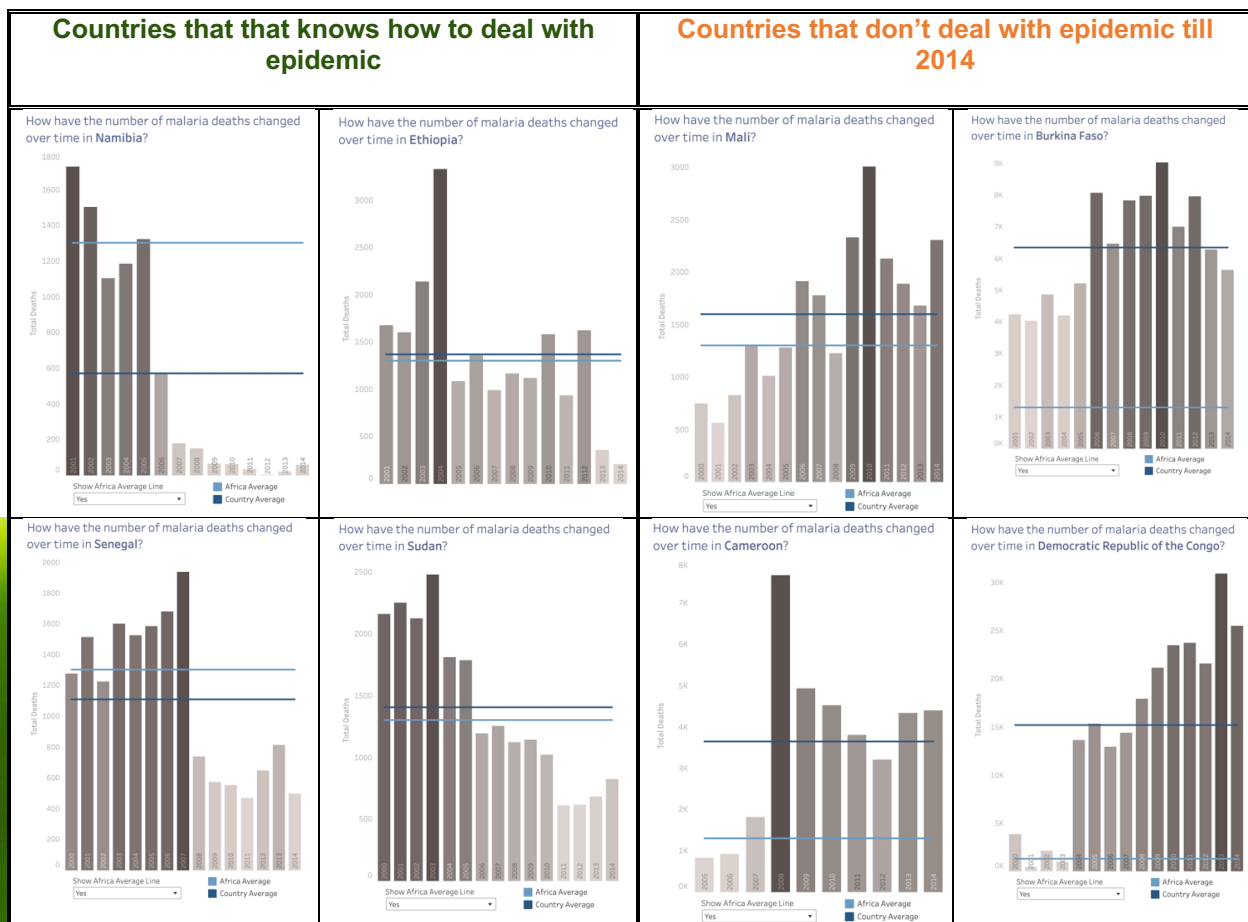- **Background (Problem Description):**
  Malaria disease is one of the most diseases that affected the world and increased the number of deaths. However, the effect on Africa and it is countries was different than the other continents around the world. However, to decrease its effects, we need to understand the data that are generated in Africa in the during the period of the epidemic.

- **Project Objective:**
  This project will show an interpretation of data visualization provided in a Tableau Dashboard about the deaths in Africa due to Malaria disease in the period from 2000-2014 in order to help Africa, and even other continents decrease and prevent its effects as a epidemic.

- ## **Observation 1:**

The number of infections in the most of countries which the epidemic infected them earlier decreased over the years, and they were able to learn how to deal with the disease compared to the countries that the epidemic infected them later. Refer to Figures in Table 1 below, you can see that **Namibia, Ethiopia, Singhal, Sudan started with a huge** number of deaths, then it has been **decreased as they learnt how to heal the cases**. Reversely, **the number of deaths** in **Mali, Burkina Faso, Cameroon, and Democratic Republic of the Congo has been increased widely** as **they don't know how to deal with the cases till 2014**.

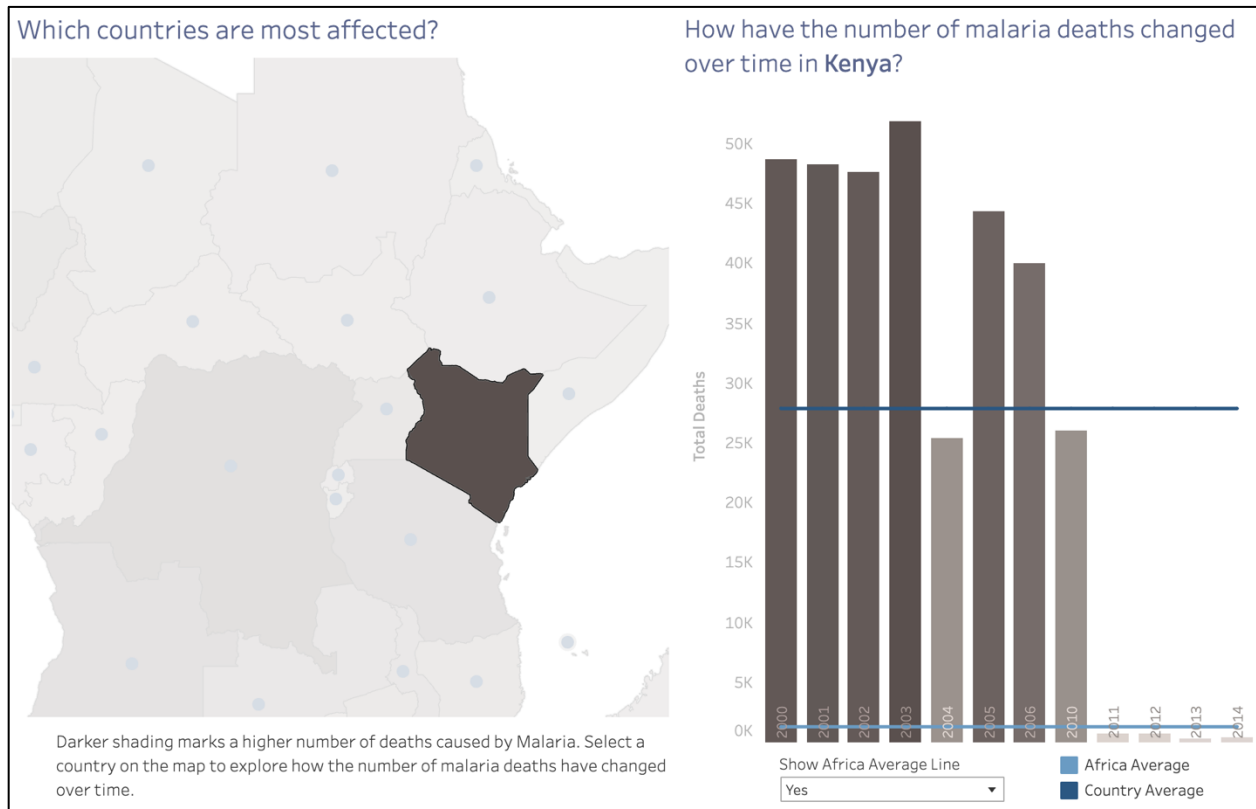| Countries that that knows how to deal with epidemic	Countries that don't deal with epidemic till 2014

Table 1 Africa Countries Numbers of deaths due to Malaria epidemic
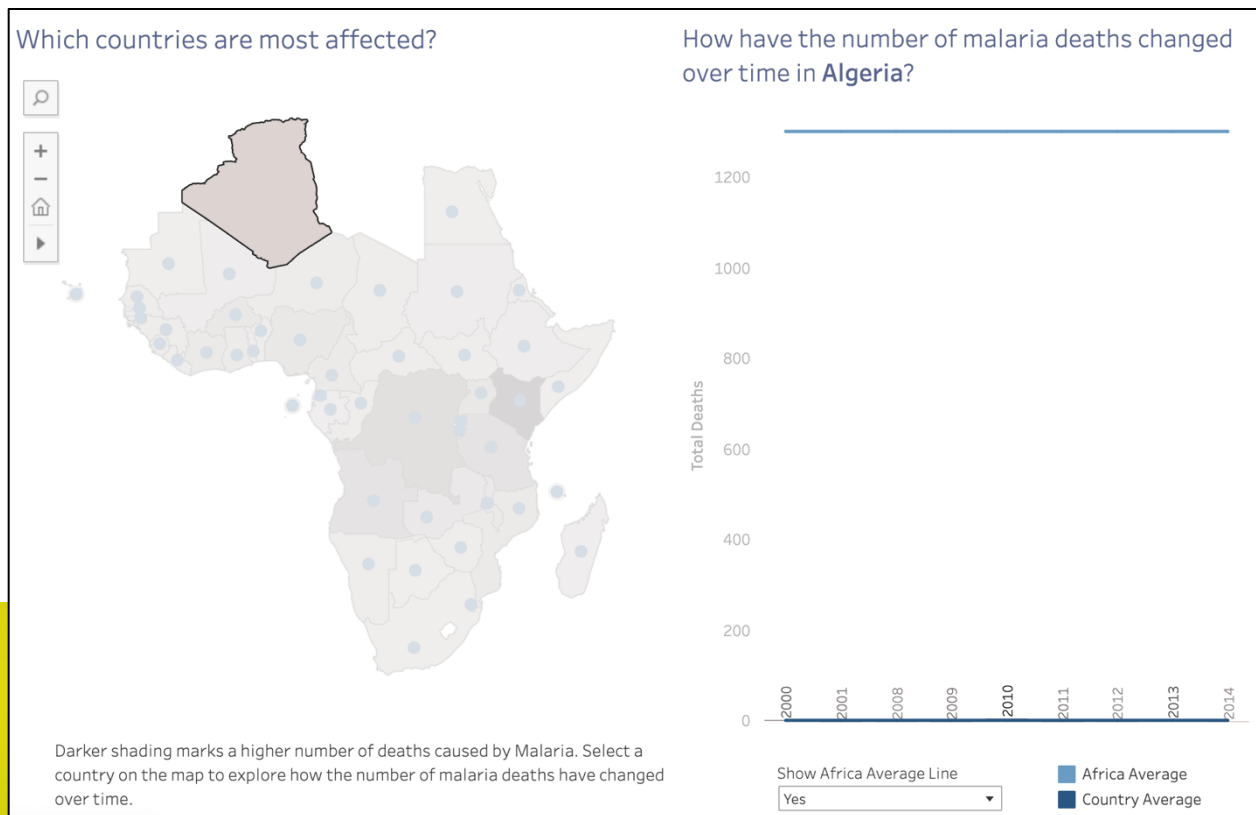
- ## **Observation 2:**

Overall, Kenya is the most effected country with **average amount of 27896 every year**, and **the most effected year was 2007 by about 55000**, then it started to **decrease in 2010 till 2014 reached less than 1000.** Refer to figure 1 below.

Figure 1 Kenya-Malaria Statistics 2000-2014

- **Observation 3:**

We can see in Figure 2, that from **2000 to 2014**, Algeria has about **only 1 infection** with a country **average 1 which is very small** compared to **Africa average which is 1303**.

Figure 2 Algeria-Malaria Statistics 2000-2014