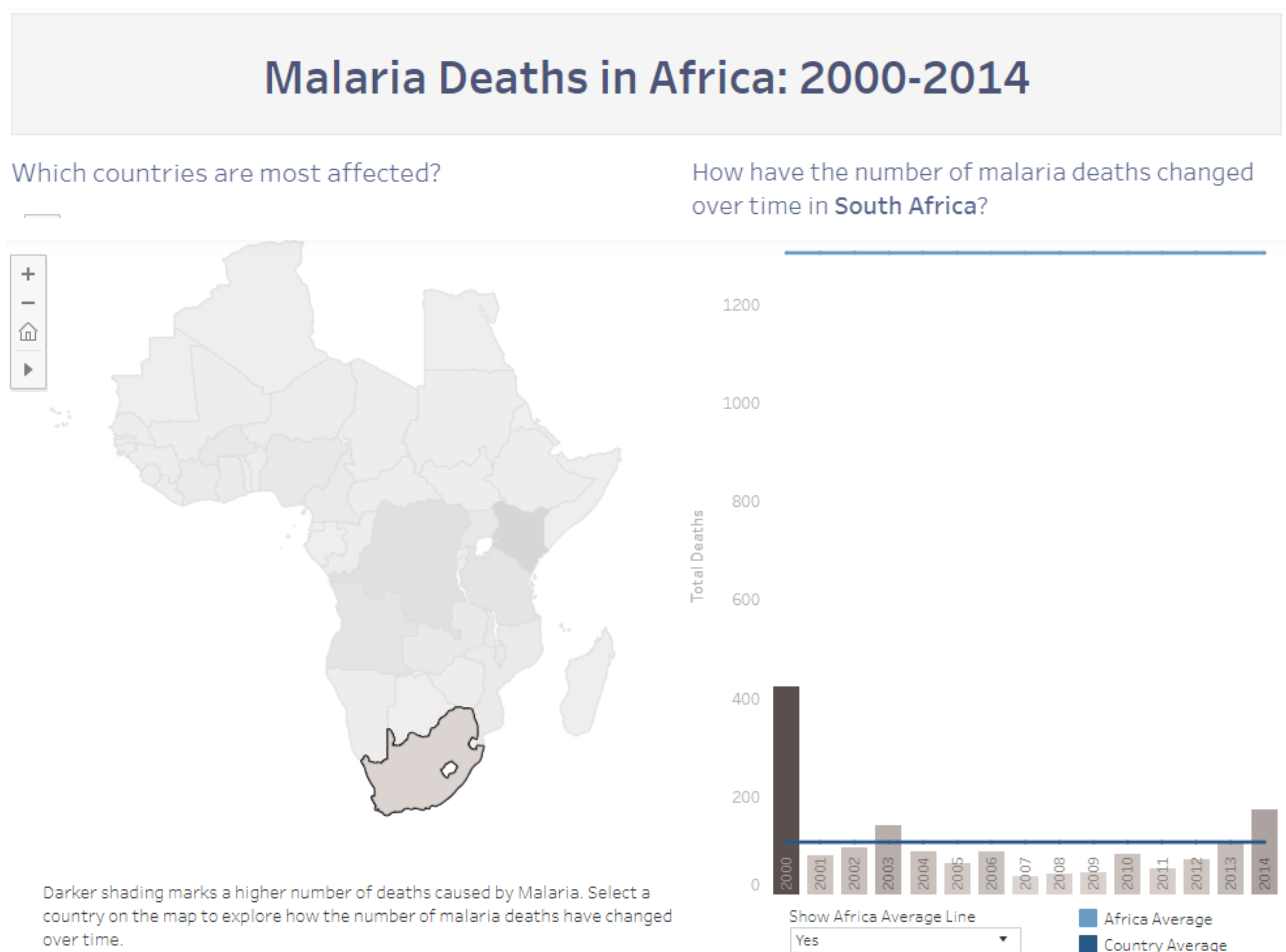


PROJECT 1: INTERPRET A DATA VISUALIZATION

This report examines the trends of malaria deaths in three african countries from 2000 to 2014.

In particular, the project illustrates insights and images regarding the mortality rate due to malaria in **South Africa, Namibia** and **Gabon** and how the number of malaria deaths have changed in the period 2000-2014, in these countries.

INSIGHT 1 : NUMBER OF MALARIA DEATHS IN SOUTH AFRICA



Source: <https://public.tableau.com/en-us/s/gallery/malaria-africa?gallery=featured>

By clicking on South Africa, on the map, from the dashboard we can see the number of malaria deaths for each year from 2000 to 2014. In South Africa, estimated malaria deaths per year have declined since 2001. In the 2000, there were about 400 deaths per year; since the beginning of 2001, malaria deaths have decreased considerably to about 100-50 per year, with the lowest number of deaths in year 2007. Between 2001 and 2013, there was no significant change in

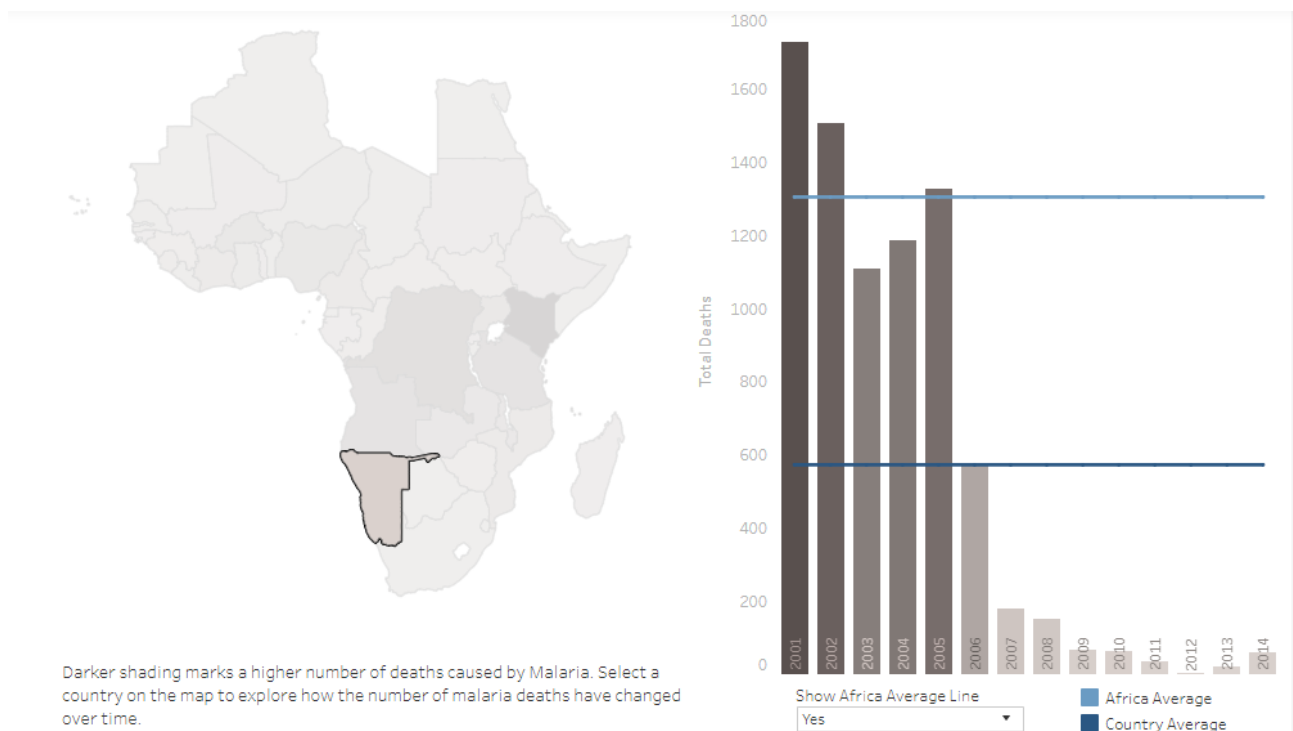
number of deaths, while a tenuous rise has been registered in the 2014, where accounted deaths were almost 200 per year.

INSIGHT 2 : NUMBER OF MALARIA DEATHS IN NAMIBIA

Malaria Deaths in Africa: 2000-2014

Which countries are most affected?

How have the number of malaria deaths changed over time in **Namibia**?



Source: <https://public.tableau.com/en-us/s/gallery/malaria-africa?gallery=featured>

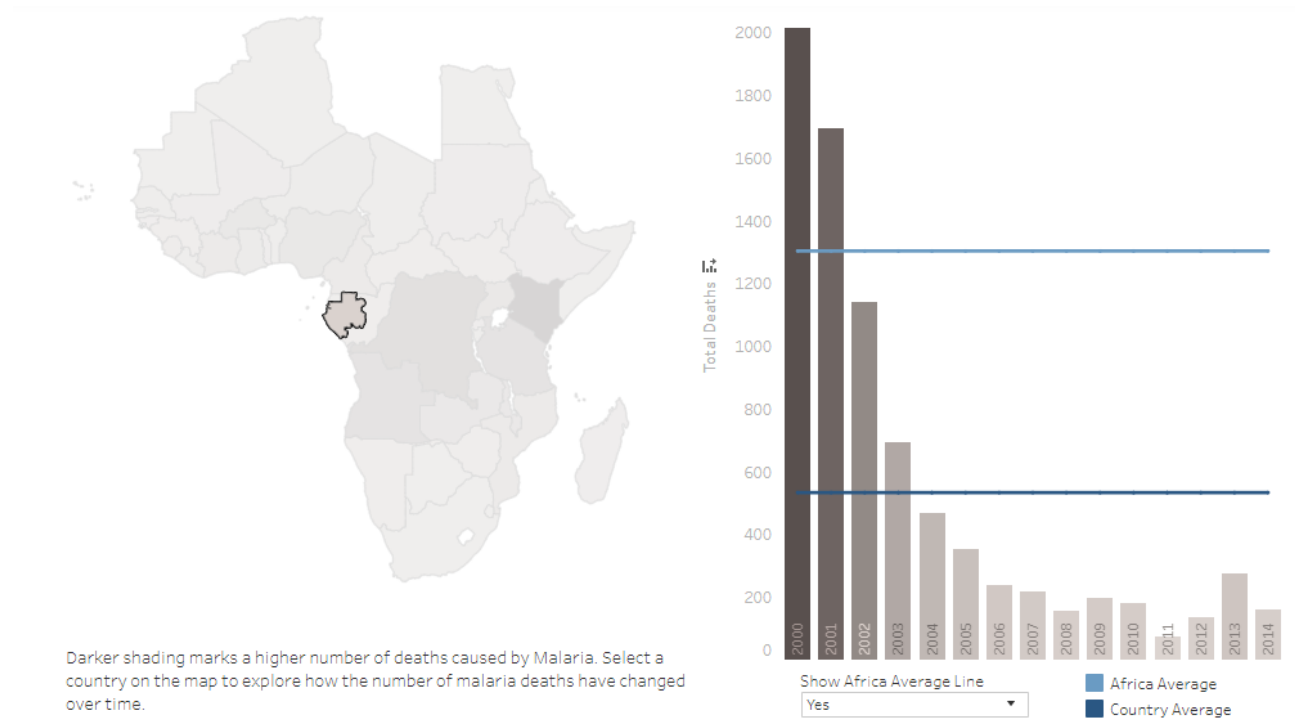
From that dashboard, clicking on the map, on Namibia, data reported showed malaria deaths during period 2001-2014. In 2001, the estimated number of malaria deaths was more than 1700, but it reduced to about 1500 deaths in 2002. Compared to preceding 2 years, the mortality rate fell between 2003 and 2004, to around 1100-1200 deaths, but rose in 2005 to approximately 1300 deaths. The year 2007 marks a substantial decrease of deaths, in fact in that year, the data reported in the graph indicate almost 200 deaths. Following in the analysis, the largest reduction was reported in 2012, where the malaria deaths were near zero.

INSIGHT 3 : NUMBER OF MALARIA DEATHS IN GABON

Malaria Deaths in Africa: 2000-2014

Which countries are most affected?

How have the number of malaria deaths changed over time in **Gabon**?



Source: <https://public.tableau.com/en-us/s/gallery/malaria-africa?gallery=featured>

On the map, from the dashboard, clicking on Gabon, the data in the image showed decreases due to malaria from 2000 to 2014. A trend of decreased malaria deaths per year is notable in the graph. In 2000, it was estimated the highest number of deaths due to malaria around 2000. In year 2001, deaths were reduced to 1700 as shown in figure. Extending the analysis, the number of deaths had a largest reduction in 2003 to about 700 deaths. In comparison, between 2003 and 2014, there has been a significant decline, approximately, the largest decline in mortality rate occurred in 2011, while a slight increase was reported in 2013 (around 300 deaths).

CONCLUSION

From this study of data visualization, it was revealed that the malaria deaths incidence has come down since last 10 years in these three countries. Overall, in the mentioned countries, trend since 2006 of malaria deaths suggests an important decrease in the number of deaths. Indeed, the three examined distributions record evident decreasing values from 2007 to 2014.