

# Project 1: Interpret Data Visualization – Malaria in Africa

**Observation:** The correlation between a number of deaths due to malaria in Algeria, Niger, Kenya and GDP per capita (in US\$) in this countries.

**GDP per capita** is a measure of a country's economic output that takes the gross domestic product (GDP) and divides by its total population.

## Insight 1:

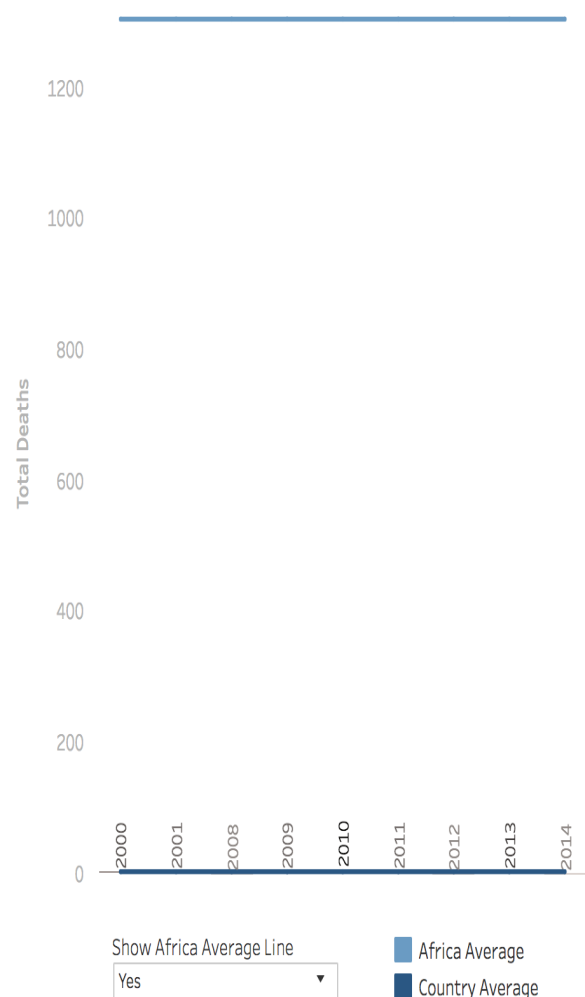
Clicking on Algeria on the map displays us that Algeria has 1 average death due to malaria for each year from 2000 and 2014. This data is the lowest average index in the given data. GDP per capita in Algeria increased from 2000 year and equal to 5,466 \$ in 2014 year.

## Malaria Deaths in Africa: 2000-2014

Which countries are most affected?



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



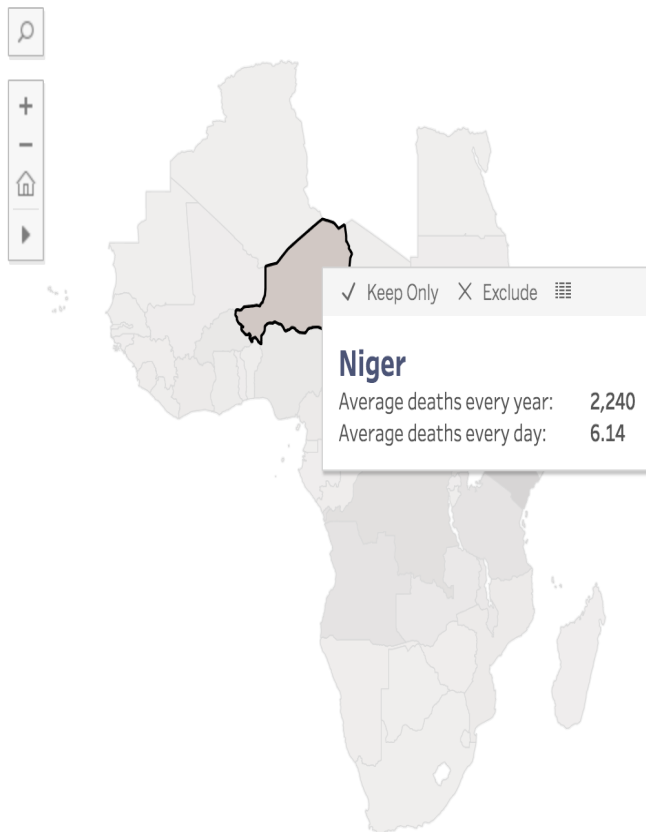
Darker shading marks a higher number of deaths caused by Malaria. Select a country on the map to explore how the number of malaria deaths have changed over time.

## Insight 2:

Review data from the nearest Algeria's neighbor - Niger on the map it says that the highest death level was in 2010 around 4000 deaths due to malaria and the lowest in 2006 was around 1200 deaths due to malaria. GPR index in 2010 was equal to 328\$ per year and in 2006 was 258\$ per year.

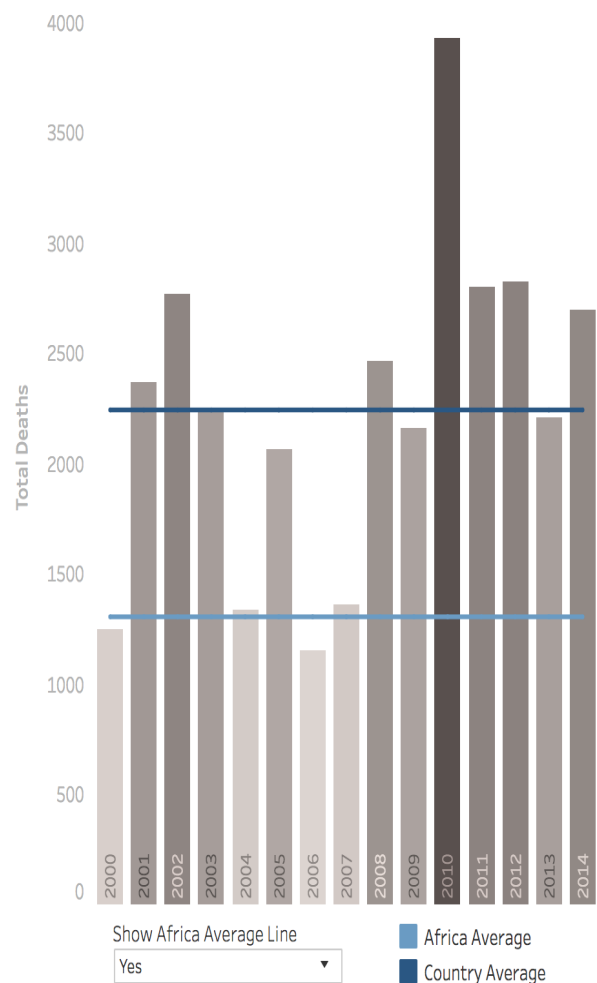
# Malaria Deaths in Africa: 2000-2014

Which countries are most affected?



Darker shading marks a higher number of deaths caused by Malaria. Select a country on the map to explore how the number of malaria deaths have changed over time.

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

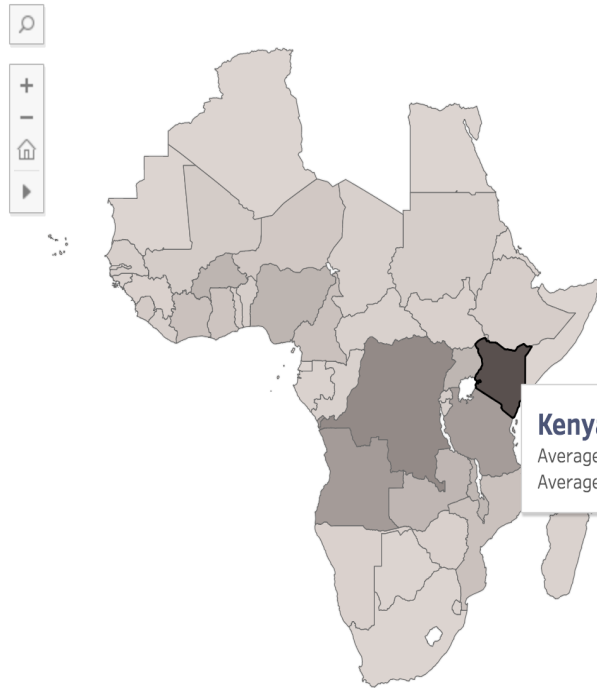


### Insight 3:

Death level per year due to malaria in Kenya has the largest average compare to other countries in Africa and equal to 27,856. Before 2007, there were more then 1200 deaths per year. After 2007 Kenya experienced a decrease death level due to malaria. GDP index increased from 2007 year.

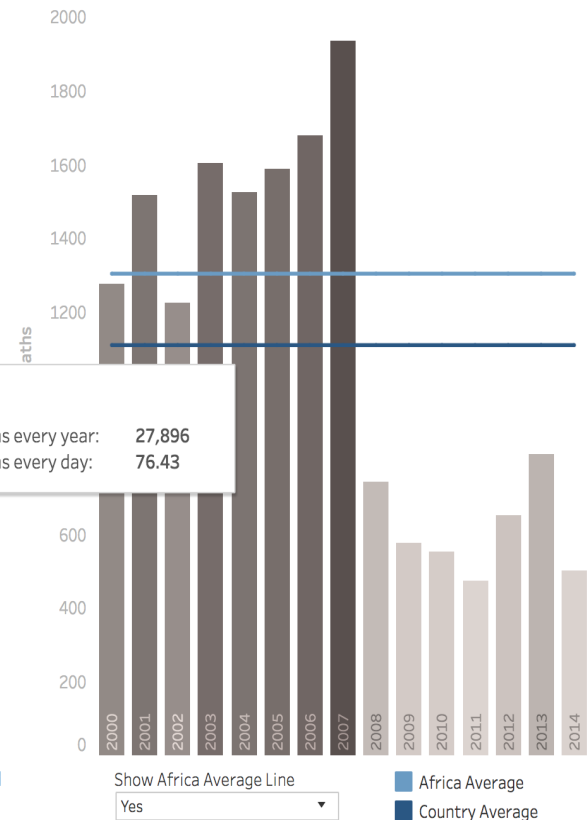
## Malaria Deaths in Africa: 2000-2014

Which countries are most affected?



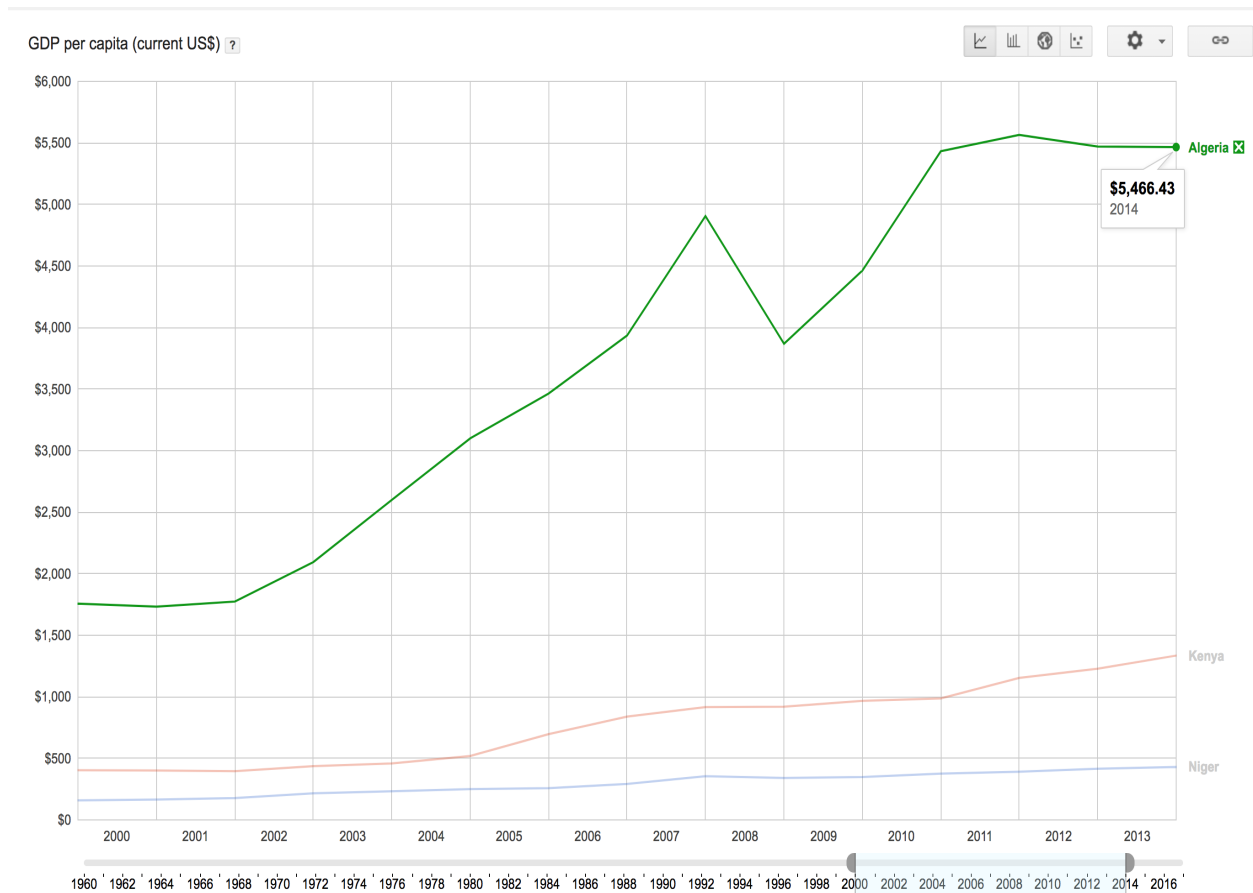
Darker shading marks a higher number of deaths caused by Malaria. Select a country on the map to explore how the number of malaria deaths have changed over time.

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



## Conclusion:

We might say that we have noticed an inverse correlation or negative correlation between deaths per year due to malaria and GPR country index per year.



Country	GDP (2014 year in dollars)	Avg. number of death every year
Algeria	5466.43	1
Niger	429.79	2240
Kenya	1335.12	27896