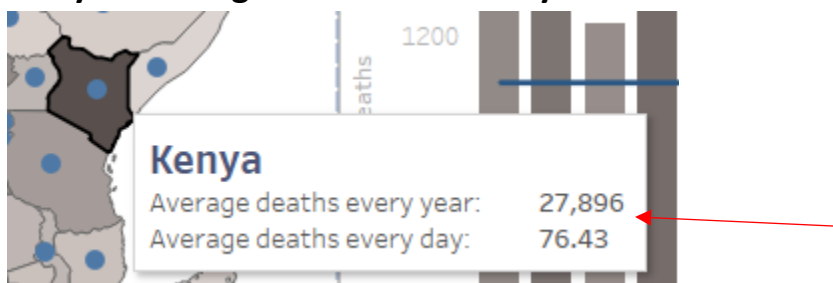# Interpret a Data Visualization

Project 1: Malaria Deaths in Africa

- **Malaria** is a disease caused when a parasite infects certain types of mosquitos which then feeds on humans.
    - Source: www.cdc.gov/malaria/about/faqs

- **Malaria** is treated using prescription drugs to kill the parasite. The treatment will depend on the type of malaria parasite and the severity of symptoms.
    - Source: www.mayoclinic.org/diseases-conditions/malaria/diagnosis-treatment/drc-20351190

1. **Kenya's Average Deaths over 12* years**

a. **Kenya averaged 27,896 deaths in 12* years**
b. **The average daily rate of deaths was 76 per day**
c. **To find this information, hover over the dashboard and locate Kenya**
d. **You will arrive at the above statistics to obtain the information**
e. **Source: Tableau Public – malaria dashboard**
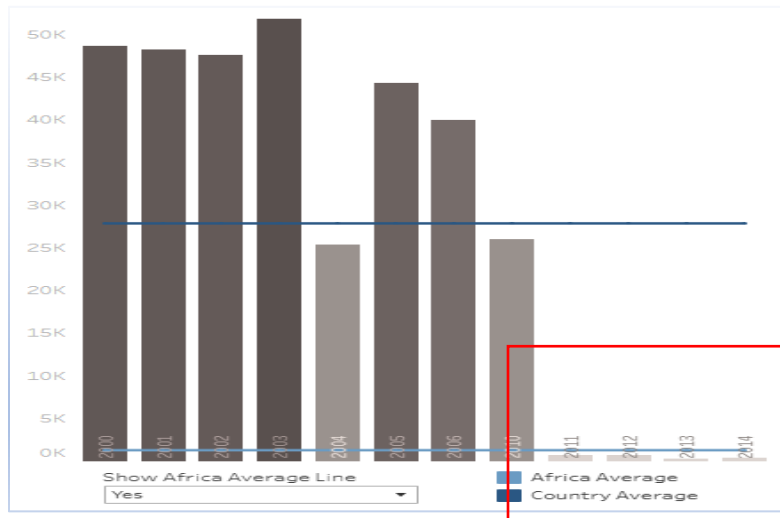
2. **Kenya had the highest deaths in Africa**

Diagram 1   ### Diagram 2

Country	Year	Deaths
Kenya	2003	51,842
Kenya	2000	48,767
Kenya	2001	48,286
Kenya	2002	47,697
Kenya	2005	44,328
Kenya	2006	40,079
Kenya	2010	26,017
Kenya	2004	25,403
Kenya	2012	785
Kenya	2011	713
Kenya	2014	472
Kenya	2013	360
Kenya	2009	
Kenya	2008	
Kenya	2007	

a. Kenya had the highest number of deaths of all African counties with 51,842 deaths

b. There are 3 years, 2007-2009, missing data information as shown on Diagram 1 within the red rectangle

c. To obtain the spreadsheet data, you will need to extract the data as shown on Diagram 2 and export data to a CSV file as shown within the red rectangle above

d. Source: Tableau Public – malaria spreadsheet

3. Kenya has seen reduction in Malaria deaths

a. Household surveys show a reduction in malaria parasite occurrences by over 50%

b. U.S. President's Malaria Initiative has worked with the Kenya government for prevention and control activities

c. The above chart will be shown upon clicking on the country of Kenya

d. The chart shows the dramatic decrease in malaria deaths in the red section of the diagram above

e. Source: Tableau Public – malaria dashboard for chart above

f. Source: www.cdc.gov/globalhealth/countries/kenya/#malaria for update status and initiatives to reduce malaria in Kenya.