**Stock-Out**

#HIVHACK - Team\_xx - Title

# Our goal

Our goal during the #HIVHACK is to advise local experts in improving and striving for an optimal distribution of drugs for HIV in Tanzania. To achieve this goal we are using the Tanzania dataset we received at the start of the Hackathon. We split the work in 2 groups. We keep in mind the final target to be able to deliver a dashboard. One group was busy doing the visualization and the other group was busy doing some data scraping and trying to improve the current dataset we had received.

In our visualization dashboard, we are showing every region/county of Tanzania, the amount of shortages per year, the amount of facilities in every region and the amount of HIV enrolled patients per year. Our dashboard is also interactive. That means that every time you choose a region, the other data changes at the same time and that is in our opinion a very useful feature to visualise the data and improve the distribution of HIV drugs and also prevent drug stock-outs. By the analysis of the data we discover plenty of aspects could be related to DR. So we are proposing different ratios that will be easily visualized. For example, ratio of hospital per patient, drug suppliers per square km, the investment per patient...

# Challenges

One of our biggest challenge was the improvement of the data set. There is a lot of data missing from the dataset and that is a big drawback for everyone.