



Collaborative African Genomics Network

- Makerere University College of Health Sciences, Kampala, Uganda
- OBaylor-Uganda Children's Foundation, Kampala, Uganda
- OBaylor College of Medicine, Houston, Texas, USA
- OUniversity of Botswana, Gaborone, Botswana
- Botswana-Baylor Children's Clinical Centre of Excellence, Gaborone, Botswana



Target Groups

Primary **Business Community** Young Adults Policy Makers & General Public Scientists

Forms of engagement

Workshops were used as platforms to engage stakeholders

CAB was created by CAFGEN project to constantly advise the team

COMICS

Workshops

Social Media & radio



Community Advisory Board

Piloting

Social media and live radio sessions were used to reach out to target audiences

NARRATIVES/ STORYTELLING Its easier to remember a story than text book!

Before publishing, comics were carried to schools to gauge their effectiveness

WHY- COMICS & STORYTELLING?

STORYTELLING:

Is easy to remember
Easy to understand
Emotional involvement

COMICS:

A picture says a thousand words
Relatable
Provokes and challenges thoughts
Less intimidating

ANALOGIES & LANGUAGE

Likening concepts to the science
Finding the balance without throwing
people off
Without entrenching misconceptions
Descriptive language

FLEXIBILITY

Character Development Exploring and experimentations-e.g. Superheroes

THE STORY?

A boy named Kitso receives a letter inviting him to participate in a genomics study examining TB/HIV disease progression. As he grapples with the many unanswered questions in his mind and whether or not to participate, a group of *GA* superheroes arrive to help him understand what biomedical research and genomics are all about.

Presented in 4 comic books:

- 1) History of heredity
- 2) Genes and DNA
- 3) The relatively new field of genomics & health
- 4) Processes (ethical) involved in genomics study enrolment

ANALOGIES

1. Deletion of the CCR5/ mutations

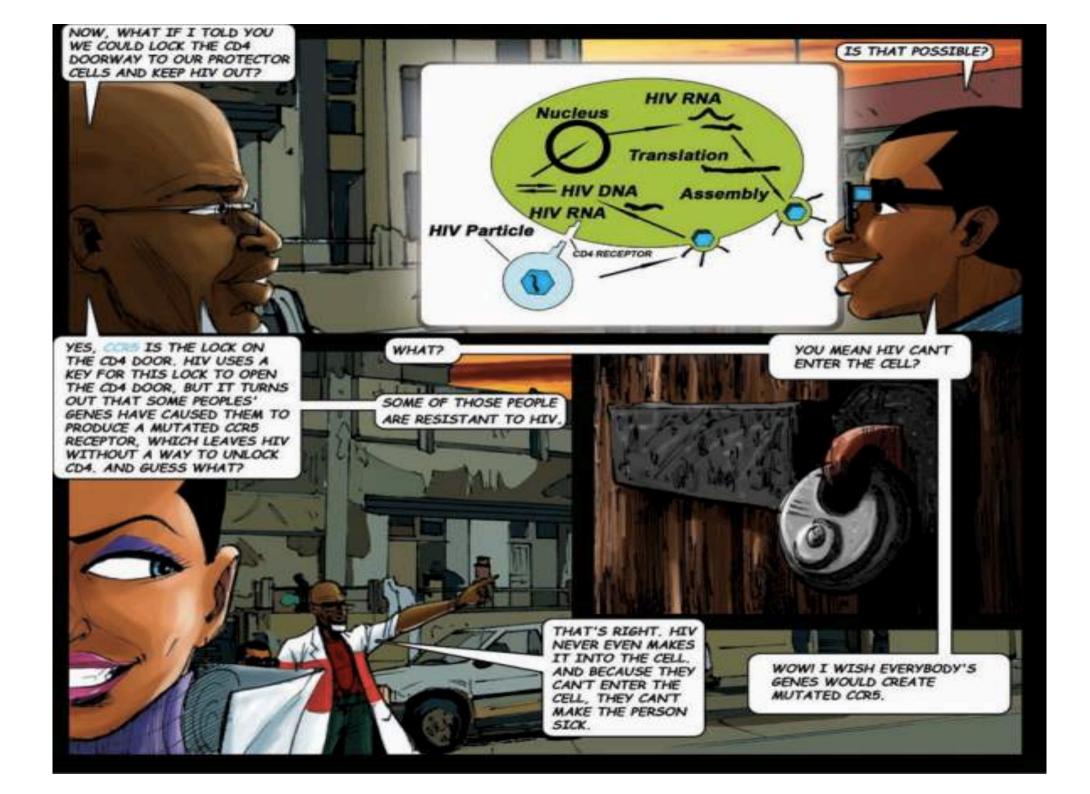
Likening the deletion of the CCR5 to a key and a door handle or a padlock to demonstrate HIV virus infection

2. Inside of a cell

Likening the inside of a cell to a town, where organelles such as mitochondria- (power plant), lysosomes -(waste factory), Nucleus-(Library)

3. Sickle cell

Likening sickle cells to banana/ boomerang







PAY ATTENTION

1. Terminology

2. Misconceptions

3. Ethics: e.g. coercion

4. Culture and societal values

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- Project Assistants: T Regonamanye, T Kangwa, Z Bonzell, O Moragi, L Mosie
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- CAfGEN Community Advisory Board
- The Botswana-CAfGEN Team: G Anabwani, S Mpoloka, M Matshaba, O Molatlhegi, K Mathuba, M Kula, A Sathyamoorthi, L Phetogo, C Mmunyane, N Muriithi, K Sichone, K Maplanka, P Gobuamang, L Balebetse
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https://mesh.tghn.org/articles/reflections-and-learning-genome-adventures/

http://www.botswanabaylor.org/genome_adventures.html

Thank You!

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