

Family Planning in Sub-Saharan Africa

Geraldine Benn (BME), Rachel Hahn (CS), and Alison LaBarge (AE)
Advisors: Professor Jill Rulfs (Biology)
Professor Helen Vassallo (Management)



Need

To reduce pregnancy deaths and STI related deaths in Sub-Saharan Africa.

Approach

Design a program to increase access and education about family planning for women and families in Masaka, Uganda.

Background

- . 290,000 maternal and 2.9 million newborn deaths per year $^{(1)}$
- 1.5 million HIV+ women become pregnant yearly ⁽¹⁾
- 273,000 infants contract HIV from their mothers ⁽¹⁾
- 17% of married women use contraceptives (2)

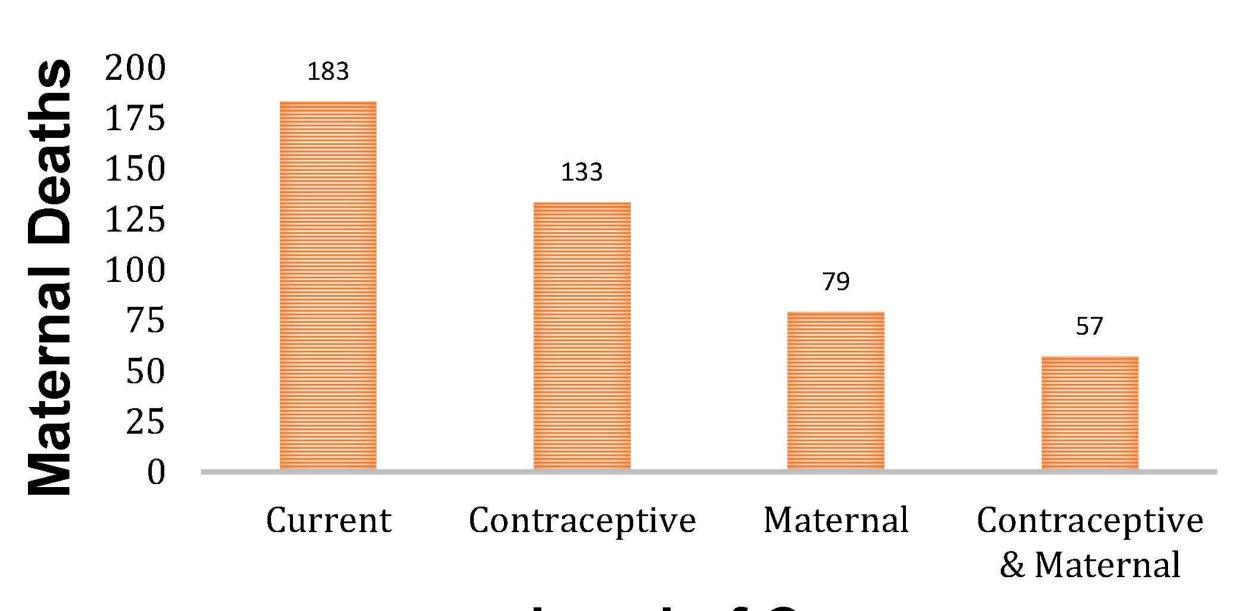
Methods

• Create a program for local volunteers to administer services

• Make a contraception kit with condoms, injectables, and birth control pills

 Provide counseling for families to help with family planning decisions

MATERNAL DEATHS PER LEVEL OF CARE



Level of Care

Conclusion

- Increase in education
- Decrease in unmet need for contraception among married women
- Larger scale programs can help give women a choice when it comes to childbearing

Anticipated Results

20% Increase in contraceptive use (3)

Drop in maternal mortality (5)

Decline in unplanned births/induced abortions (5)

85%

Money saved for pregnancy care per \$1 investment (1)

nent (1) \$1.52

40%



Difful Collubia Filis

Acknowledgements

Sister Carla Simmons of Medical Missionaries of Mary

References

- (1) Guttmacher Institute. (2014). Adding it up: Investing in sexual and reproductive health [pdf]. Retrieved from http://www.unfpa.org/resources/adding-
- it-2014-sub-saharan-africa-fact-sheet
 (2) World Watch Institute. (2004). Population, family planning and the future of Africa. Retrieved from http://www.worldwatch.org/node/557
 (3) FHI 360. (2012). Three successful Sub-Saharan Africa family planning programs: Lessons for meeting the MDGs [pdf]. Retrieved from
- http://www.fhi360.org/sites/default/files/media/documents/africa-bureau-case-study-report.pdf
 (4) Darroch, J., Sedgh, G, & Ball, H. (2011). Contraceptive technologies: responding to women's needs. Retrieved from
- Darroch, J., Sedgh, G, & Ball, H. (2011). Contraceptive technologies: responding to women's needs. Retrieved from https://www.guttmacher.org/pubs/Contraceptive-Technologies.pdf
- (5) Guttmacher Institute. (2013). Contraception and unintended pregnancy in Uganda. Retrieved from https://www.guttmacher.org/pubs/FB-Contraception-and-unintended-pregnancy-in-Uganda.html
- (6) Ceridwen. (2006) Plaquettes de pilule [image/jpeg], Retreived from https://commons.wikimedia.org/wiki/File:Plaquettes_de_pilule.jpg
 This file is licensed under the Creative Commons Attribution-Share Alike 2.0 France license. No changes were made.