

Making Mothers:

Reducing the Maternal Mortality Rate in Rural Sierra Leone

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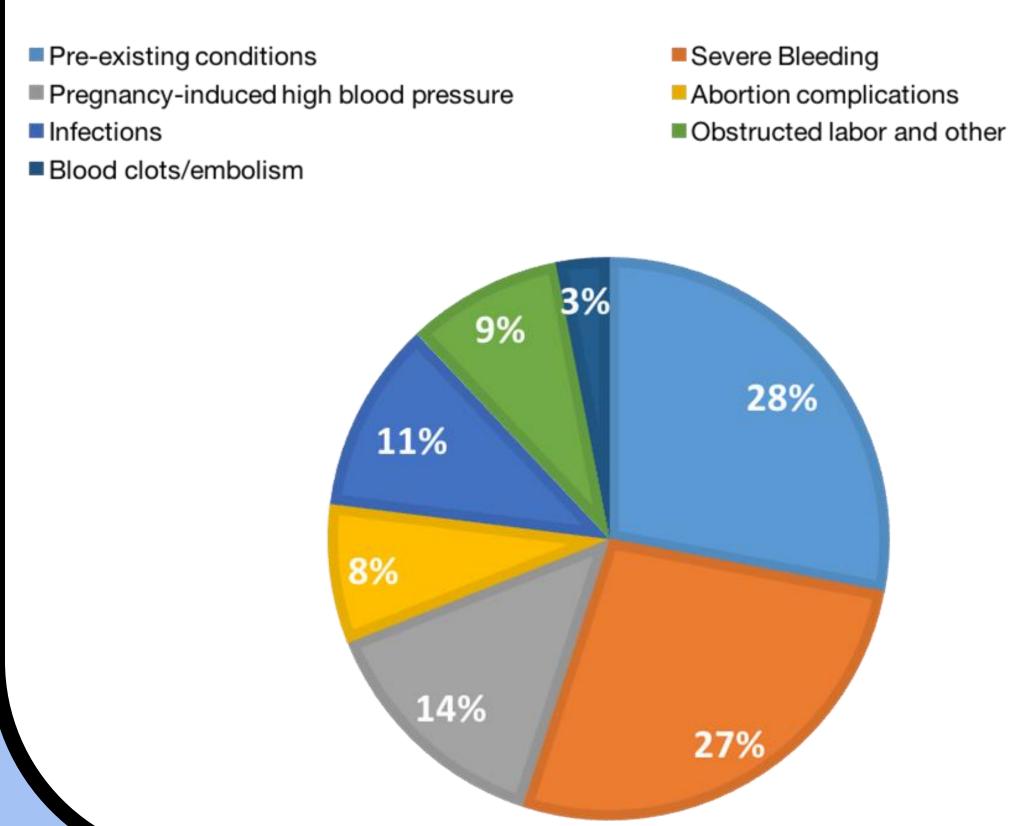
Abstract

Maternal mortality is a concern in developing nations, particularly those in Sub-Saharan Africa. In order to reduce the maternal mortality rate (MMR) in rural Sierra Leone, an organization which distributes birthing kits to Sierra Leonean women to aid with home deliveries was created. A reduction of maternal deaths caused by hemorrhage and infection is anticipated.

Background

- Most maternal deaths are preventable and occur in underdeveloped nations.
- MMR in Sierra Leone= 890 deaths per
 100,000 live births (5th highest worldwide)
 (1)
- < 50% of deliveries occur with skilled attendants, <20% occur in health facilities (2)

CAUSES OF MATERNAL DEALTH WORLDWIDE BY PERCENTAGE



Methods

The Kit:

One time use sterile birthing kit
Targets maternal death caused by
hemorrhaging and infection.

Contents: plastic sheet, alcohol free hand wipes, gloves, cord tie, razor blade, gauze, pamphlet



Making Mothers Worldwide

Making Mothers
Worldwide (MMW)
was established as an
organization of
medical students.

Trained members on the usage of the kit and culture of Sierra
Leone

MMW held information assemblies for women

Demonstrations and explanations of birth kit were provided

Open dialogue, encouraged community participation



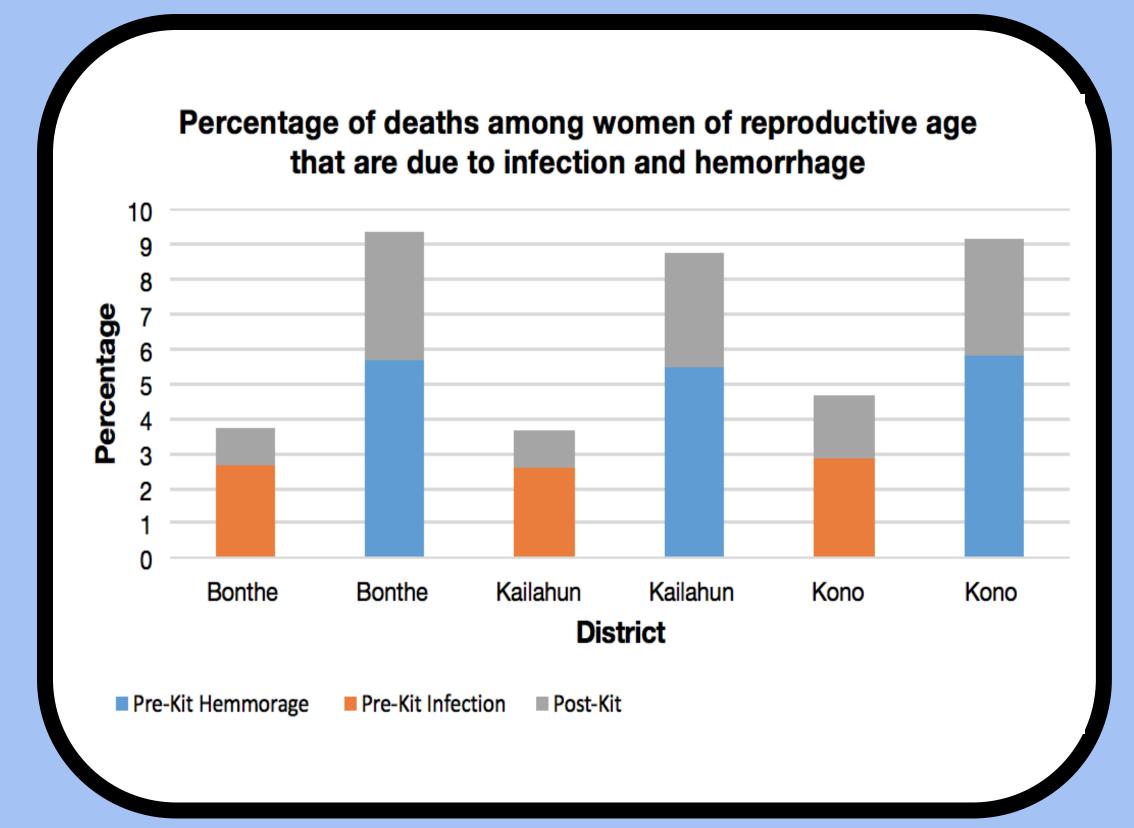
Kits were distributed to just over 500 households

Methods of contact to request additional kits were established

Kits was provided at no cost, given responsible use

Results

- •Positive community response, majority participated
- •25% decrease in maternal mortality
- •40% decrease in hemorrhaging
- •60% decrease in infection



Conclusions

- Increase in educated birth attendants lead to a decrease in unsafe birthing procedures
- Significant decrease in MMRs are expected (~20%) in future
- MMW could partner with UNICEF or the WHO to expand program to other underdeveloped nations

References

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