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CURRENT PROGRAMS

- **1) HIGH SCHOOL CONTEST**
- **2) MEDICAL MISSION TRIP**
- **3) MEDICAL SUPPLIES/MEDICATION DONATION**

CURRENT PROGRAMS

- **IRS/MALARIA PREVENTION**

CURRENT PROGRAMS (AGRICULTURE)

- **1) IRRIGATION/WELLS (8 treadle pumps/2 wells)**
- **2) ANIMAL (GOATS/COWS/CHICKENS)
GIVEAWAY PASS-ON**
- **3) CONSERVATION AGRICULTURE (mulching,
etc.)**
- **4) LAND LEASE (Keeps poorest farmers on their
land)**

CURRENT PROGRAMS (FINANCE)

MICRO-CREDIT BANK

(over 400 loans, 98% pay back rate)

CURRENT PROGRAMS (EDUCATION)

- **1) SOLAR POWERING SCHOOLS (6 schools)**
- **2) LAPTOP DONATION/EDUCATION (8 schools)**
- **3) GIRL'S EMPOWERMENT CURRICULUM**
-

CURRENT PROGRAMS (CLIMATE CHANGE)

-
- **REFORESTATION**
- (Over 80,000 trees planted this year!)



COLLABORATIONS

- **1) MOONCATCHER PROJECT**
- **2) PALMA SOAP (ENACTUS EDINBURGH)**

NEW PROGRAMS (MEDICAL)

- **1) ARTEMISIA (Malaria Prevention)**
- **2) HPV VACCINATION (Prevents Cervical Cancer)**
- **3) ULTRASOUND DONATION**
- **4) FETAL MONITORING (Saves Babies' Lives)**
- **5) DAEYANG LUKE MEDICAL SCHOOL**
- **6) FREE CARE POOL (Pays Medical Costs)**

NEW PROGRAMS (AGRICULTURE/CLIMATE CHANGE)

- **1) BAMBOO (Deforestation Prevention)**
- **2) FOOD PRESERVATION (Dehydrate, Pickle, Cheese)**
- **3) DAIRY COOPERATIVE**



WHY DO THIS?

- **THE GREAT DEPRESSION**
 - **OUR ANCESTORS**







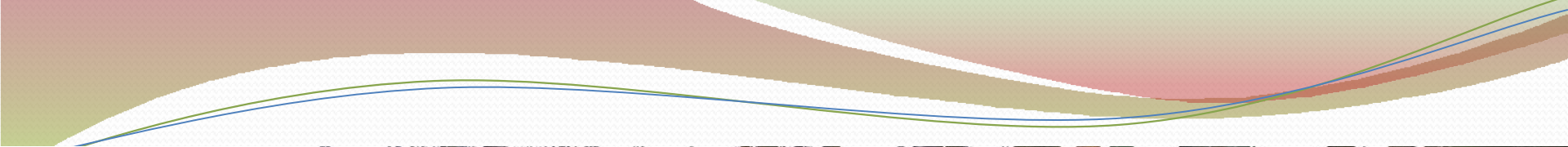














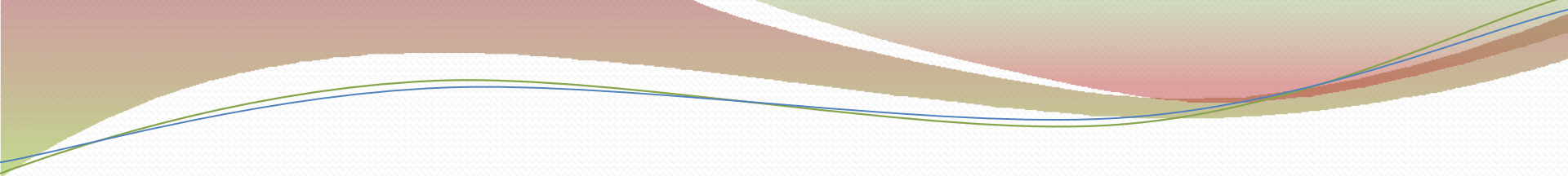




Financials

- 100% of all donations go to our projects
- All volunteer work-8 board members
- My wife and I donate about 40%-50% of revenue/year

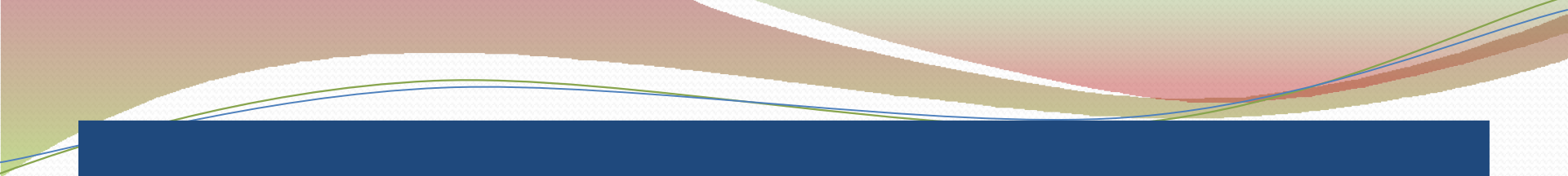




●	2012	2013	2014	2015	2016
2017					
● Revenue (\$):	12,455	28,388	28,397	38,080	78,558
96,139					
● Expense(\$):	9,529	26,718	25,565	35,110	84,317
96,028					

MALARIA

- The Rotary Club's next Great Crusade to wipe out a global killer?

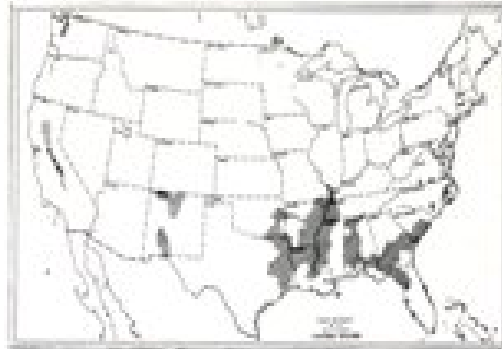
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- So why do we care about malaria?
 - After all, it's never been in the US, right?
 - And you can't eradicate it anyway, right?

wrong

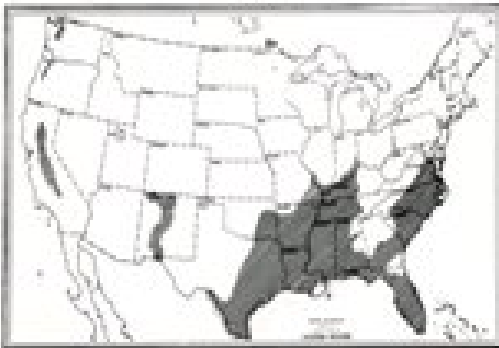
MALARIOUS AREA OF THE UNITED STATES
1882



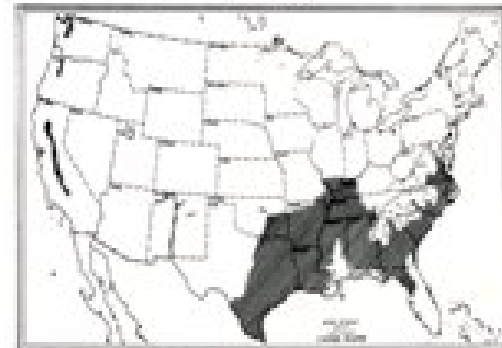
MALARIOUS AREA OF THE UNITED STATES
1932

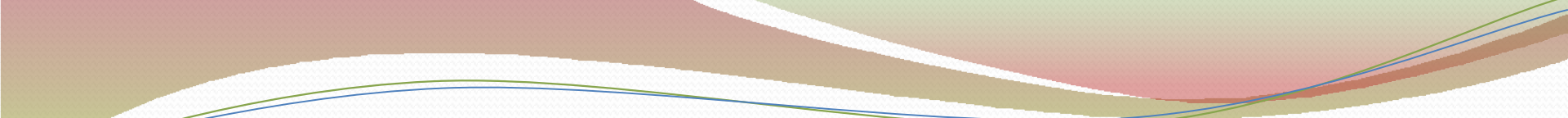



MALARIOUS AREA OF THE UNITED STATES
1942



MALARIOUS AREA OF THE UNITED STATES
1934-5



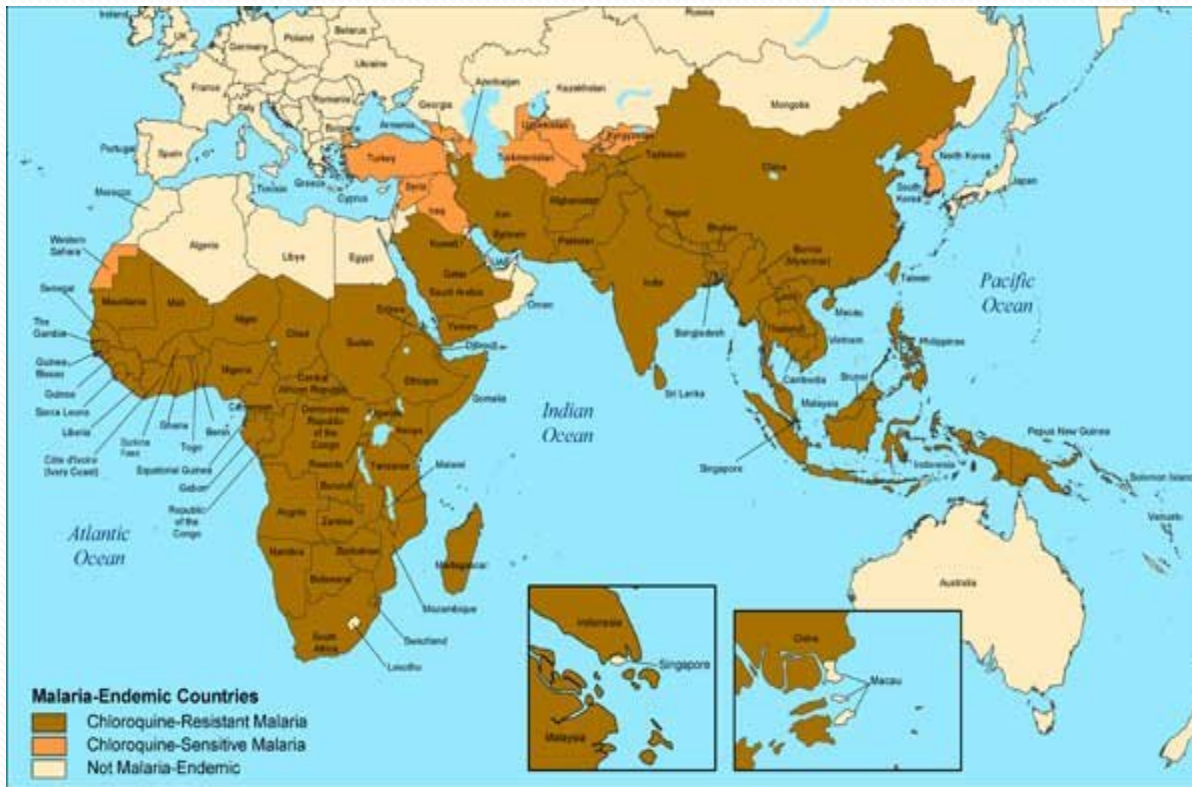
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- 
- Estimated OVER A BILLION PEOPLE INFECTED
 - 3.4 Billion people live in areas of risk for malaria transmission
 - 198 MILLION NEW INFECTIONS PER YEAR
 - 584,000 deaths per year (2014 Numbers)

Worldwide Malaria Since 2000

- 30% Reduction in new cases (from 354 million to 198 million)
- 47% Reduction in mortality (from 859,000 to 584,000)

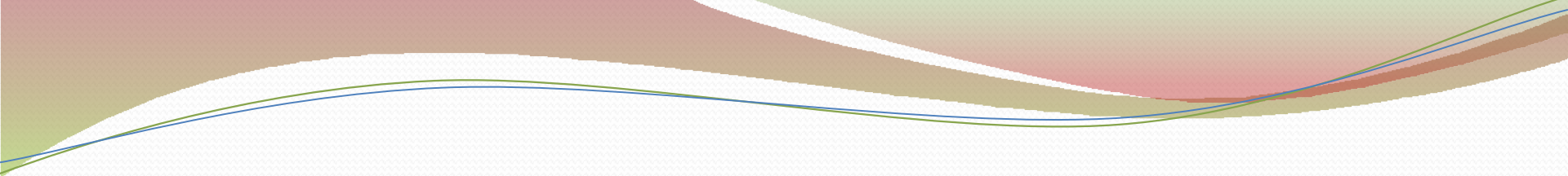
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- So We Can Make a Difference!

MALARIA ENDEMIC AREAS EASTERN HEMISPHERE



MALARIA ENDEMIC AREAS WESTERN HEMISPHERE



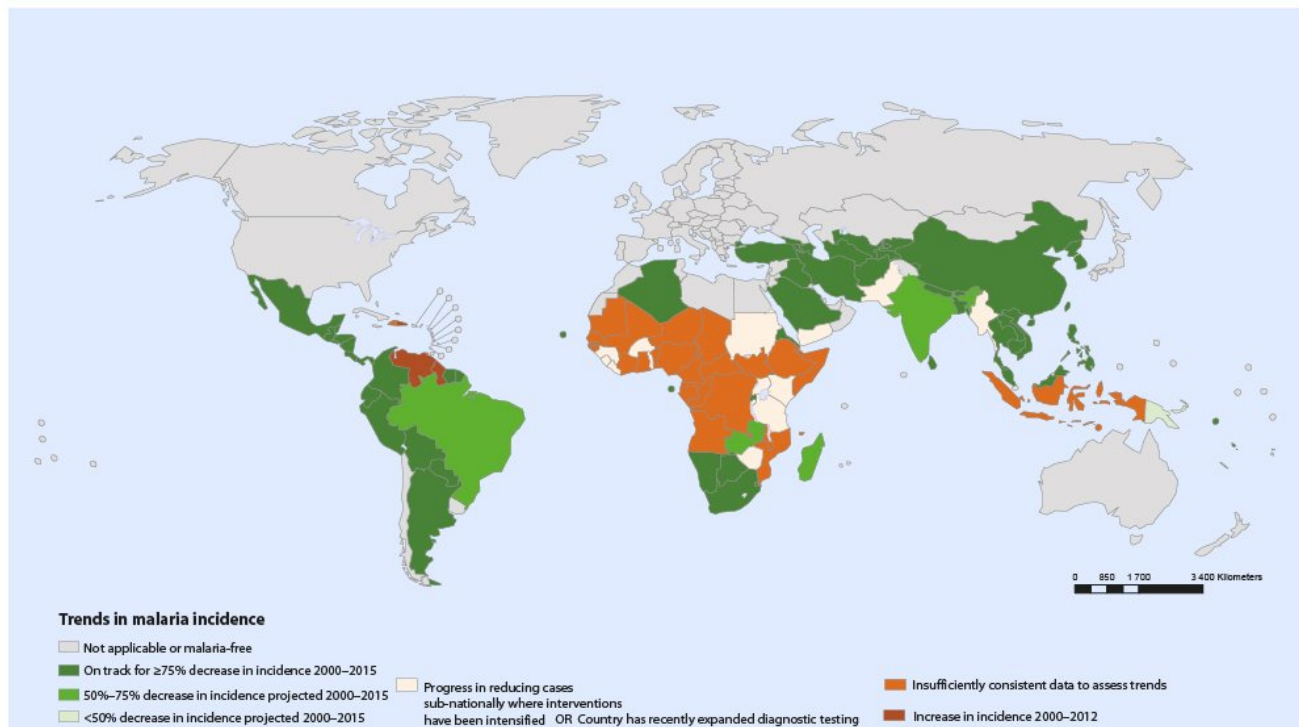
- 
- Wow, that's way too much of the world.
 - No way malaria could be decreased a lot, right?



African Proverb

- “If you think you are too small to make a difference, you have not spent a night with a mosquito.”

Trends in reported malaria incidence, 2000–2012



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: World Health Organization
World Malaria Report 2013
Map Production: Global Malaria Programme
World Health Organization

 **World Health Organization**
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But How Could Any Individual Make a Difference?





- So what does it do to you?

- Short answer.....



So How to Wipe Out Malaria?

Prevention

- Treatment

PREVENTION

- EDUCATION (MOSQUITO AVOIDANCE)
- NETS/SCREENS
- MOSQUITO REPELLANT
- VACCINATION
- INTERMITTENT MALARIA PROPHYLAXIS
- IRS (INDOOR RESIDUAL SPRAYING)

TREATMENT

- IMPROVE ACCESS TO HEALTHCARE
- A) LOCAL MALARIA TREATERS
- B) LOCAL COMMUNICATORS



Bridges to malawi

- WHAT WE DO
 - 1) IRS (INDOOR RESIDUAL SPRAYING)
 - 2) Annual Medical Mission Trip
 - 3) Acquisition/Provision of desperately needed medical supplies/equipment/medication in support of 2 hospitals and a community outreach organization
 - 4) 4TH Year Medical School Elective
 - 5) Annual Local High School Contest; winner travels to Malawi with medical team
 - 6) Telemedicine Project
 - 7) Famine Relief
 - 8) Microfinance Bank
 - 9) Goat “Pass-on” Project



INDOOR RESIDUAL SPRAYING :

We couldn't bear to watch any more children die from malaria in the hospital so, working with our Malawian partner NGO, K2TASO, we began a campaign in September 2014 to wipe out the anopheles mosquitoes in the area where we work, using the long lasting insecticide designated by the WHO for this purpose.

Indoor residual spraying



PHOTO 4: A

the houses in Makanda villages. This is indeed a battle which K2 TA
happening with support from Bridges to Malawi.



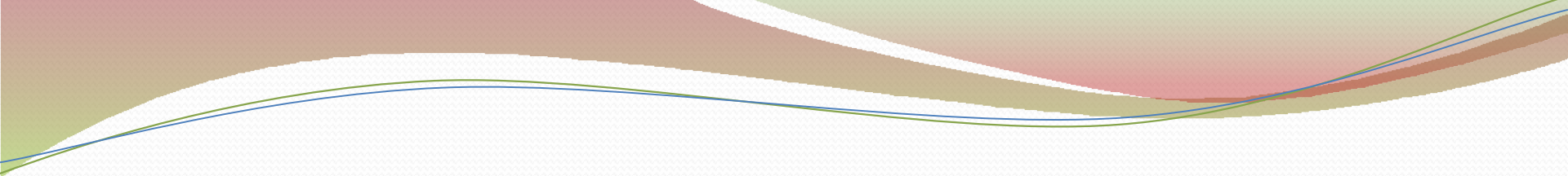
Does IRS work?

In Makanda, the first village where we started, we have reduced the malaria rate from 16% (based on positive blood tests at healthposts and hospital obtained Jan-May 2014) to 2% (obtained Sept 2014-Feb 2015)



INDOOR RESIDUAL SPRAYING

We are currently protecting 4 villages and approximately 5200 people by doing so.



This year (2016) we will expand to 7-8 more villages and protect 20,000 people over 2 years working with local/International Rotary at a cost of approximately \$2.66 per person for two sprayings per year.

TELEMEDICINE PROJECT

- We hope to set up a way for healthcare providers at St. Andrews and at Kasungu District Hospital to consult American physicians using Skype or a similar internet based system so that the US consultants can actually see and speak to the patient.



MICROFINANCE BANK

- In May 2016, we will fund and set-up a “bank” devoted specifically to providing small short term loans (average between \$40-80 for 3-6 months) to the poor farming women in the area who wish to start a side business as a means of helping protect their families during times of famine and in the hope that this will prove an effective way of raising their standard of living overall.



FAMINE RELIEF

- There is currently a terrible drought in Malawi, and this has led to crop failure and consequent famine amongst the poor tenant farmers in the countryside who rely on what they can grow to survive.
- As of April 2016, we will have provided over \$11,000 to our Malawi partner organization K2TASO, which then purchases maize (corn) and distributes it to these poor farmers.

GOAT “PASS-ON” PROGRAM

- As of May 2016, working with our Malawi NGO partner, K2 TASO, we will be providing at least 60 goats to the desperately poor farmers of the Kasungu southern district. These goats cost approximately \$37 apiece and will be distributed with the understanding that any recipient will “pass-on” the first offspring to another designated needy family. Goats are wonderful sources of improved nutrition via their milk, but can also provide meat and hides, which can be used by the family or sold to raise money. By giving goats to these poor farmers, we will help protect them from starvation during times of famine (such as now) and during better times, help raise them out of poverty.





BIG AL INITIATIVE

- WAKA WAKA
- LUCI MPOWERD
- SOLAR POWERED FLASHLIGHTS