



Engaging Undergraduate Students
to Solve
Global Health Technology Challenges

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Department of Bioengineering

Rice 360° Institute for Global Health Technologies

Oshman Engineering Design Kitchen



QUEEN ELIZABETH CENTRAL HOSPITAL
MATERNITY NURSERY ADMISSION BOOK
Mother's name: _____ Address: _____
Date of birth of child: _____
Sex: _____
Weight: _____
Length: _____
Head circumference: _____
Apgar 1: _____ Apgar 5: _____
Place of delivery: _____
Date of admission: _____
Name of nurse: _____

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Rice 360°: Global Health Technologies

- Established 2008
- Based in School of Engineering
- Minor in GLHT
- Students from all majors
- Design based program: Freshman thru Senior
- Internships



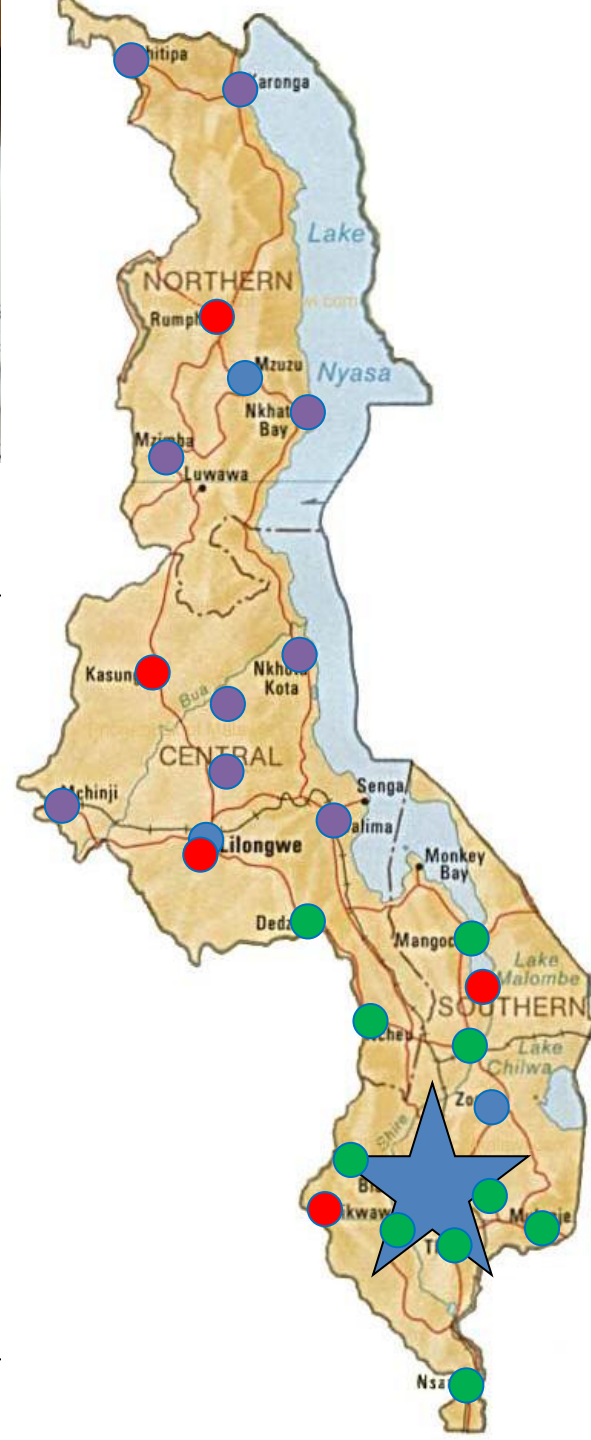
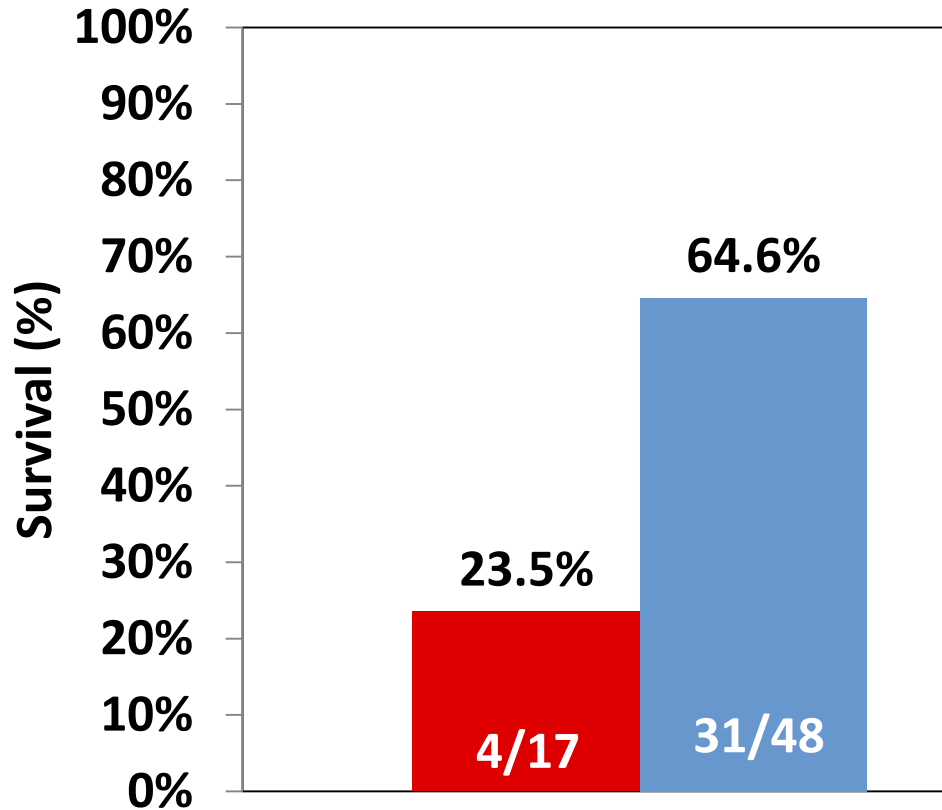


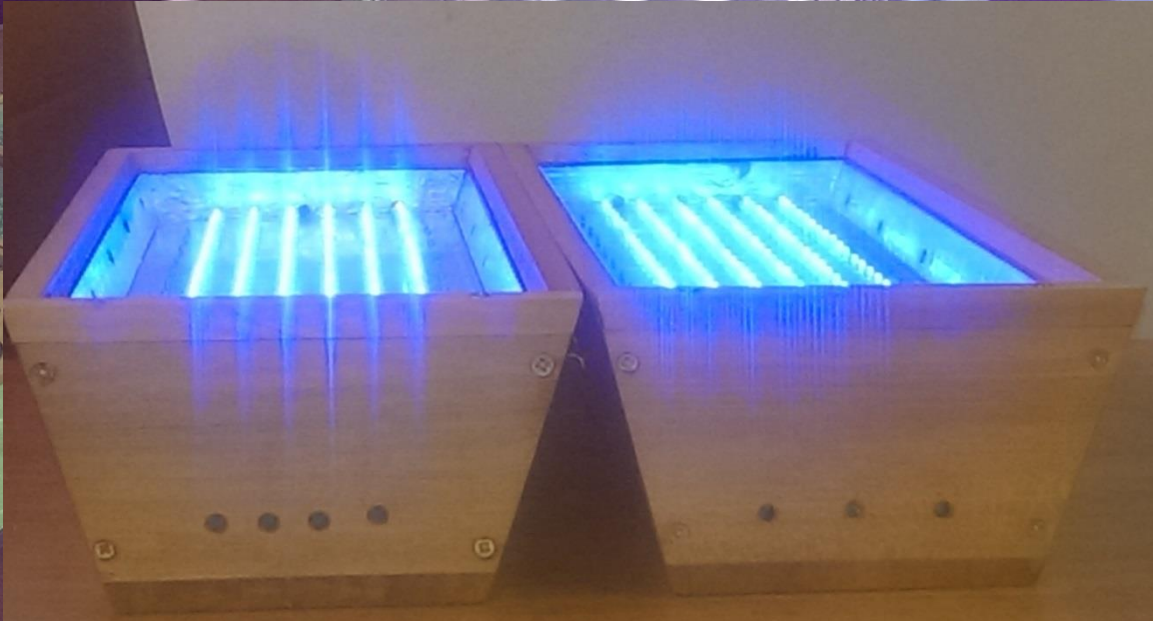
Kusilya kumwa ma ARV
mwadala ndikudichipata
masiku a moyo wanu.

Musanyengedwe, imwani
ma ARV mwandondomeko.



Survival for Babies with RDS





Keys to Success/Lessons Learned

- Real projects with real partners in the field
- Internship opportunities
- Long-term commitment to solve challenges
- Listen to partners in the field
- Identify need, understand context, design, build, evaluate, iterate, re-evaluate, ***lather, rinse, repeat....***
- Encourage journal publication
- Pursue opportunities for follow on grants to advance successful projects
- Commercialization partners