PRODUCT CONCEPT: TERRASTRETCH
Portable, light, wheeled stretcher

- Multi-fold
- Stable travel on rough terrain
- Attaches to vehicle
- Fulfills customer need
MARKET

• Small villages in developing countries

• Search and Rescue

• D-Lab to facilitate
TESTING

Sketch model test objectives:

• Ability to fold
  Stretcher can fold without losing integrity

• Stability
  Lack of bed to wheel base attachment causes instability

• Size
  Bulky; oversized

• Ease of use
  Many moving parts
BENCHMARKING

Traverse Rescue
- Heavy
- Design is not meant for bicycle transport
- $2000

Zambulance
- Large
- Not designed for stillness or flexibility
- $1000

MacInnes Twin Jumbo Wheel Set
- Not flexible
- In prototype phase

Zambulance: http://zambikes.org/watch/
Macinnes: http://www.mountainrescescalonia.org/2012/01/new-jumbo-wheelset-for-mk6/
MOVING FORWARD

- Easily transported by person, bike or motorcycle
- Improving Stability
- More Compact
- Local manufacture and repair
- Increased comfort and safety
APPENDIX A

TerraStretch Customer Information

- WHO recommends 1 doctor to every 7,000 people
- Somalia, Tanzania, Sierra Leone below this level
- 60% (underdeveloped) live ≥5 miles from nearest healthcare
- Value of market hard to estimate at the moment
- Micro-entrepreneurship