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# Bloodpak

**Emergency Transfusion**  
*Anytime, Anywhere*



**In collaboration with:**

Kenya National Blood Transfusion Service; Moi University; Uganda Blood Transfusion Service; Integrated Community Based Initiatives; PRONTO International

**Advisory Council:** Regional Society for Blood Transfusion Kenya; University of Nairobi; Kenya Medical Research Institute

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## Innovative, all-in-one delivery model for blood transfusion to manage life threatening bleeding and anemia

Low resource regions often have no access to blood transfusions.

Transfusions needed for

- Obstetrical hemorrhage (world's leading cause of maternal mortality worldwide)
- Pediatric malarial anemia
- Traffic accidents, other trauma, displaced populations

## All-in-one delivery model for blood transfusion



## Just-in-time solution for transfusion

### "Walking blood bank"

Unique, model-changing approach to transfusion proven in remote military settings

Self-contained backpack includes:

- point-of-care testing for blood type and infectious disease
- smartphone app for clinical guide
- alert system notifies blood bank
- comprehensive supplies to collect, administer blood
- Aligns with national and other medical guidelines
- Safe, rapid onsite blood collection = faster therapy
- Integrates with rural clinical practices, empowers local caregivers
- Eliminates cold chain requirements

**At scale: global impact on healthcare in low resource regions**

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## Immediate impact

Saves lives now lost due to hemorrhaging

- Innovative management of life threatening bleeding in low resource settings in Kenya and Uganda — in partnership with national blood services, local partners, community stakeholders
- Pilot will provide meaningful information to "scale up" with potential global impact for people living in low resource settings

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## Sustainable results

Brings safe transfusion to remote rural clinics without blood stores; meets emergency transfusion needs locally

- Reduces social, familial, economic impacts of maternal death
- Educates, builds skills for transfusion in rural clinics
- Scalable: can be applied to other low resource settings, multiple situations where people at risk of hemorrhagic death (malarial anemia, trauma, populations displaced by unrest or natural tragedies)
- Fosters innovation in supply chain management

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