# Innovative solution for child mortality prevention

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## Too many children still die of benign illnesses in Africa

**Medical aberration**
- 1 child out of 6 does not reach the age of 5 in Western and Central Africa
- 70% die of diseases which are easy to treat locally at affordable cost

**The root cause**
- Conventional medicine is seen as unaffordable
- Families opt for auto-medication and traditional medicine
- Public health structures lack resources to supply preventive in addition to curative services

| Mortality causes | % |
|---|---|
| HIV/AIDS<br>Accidents<br>Neo-natal diseases | 30% |
| Diarrheal diseases<br>Measles<br>Malaria<br>Pneumonia | 70% |

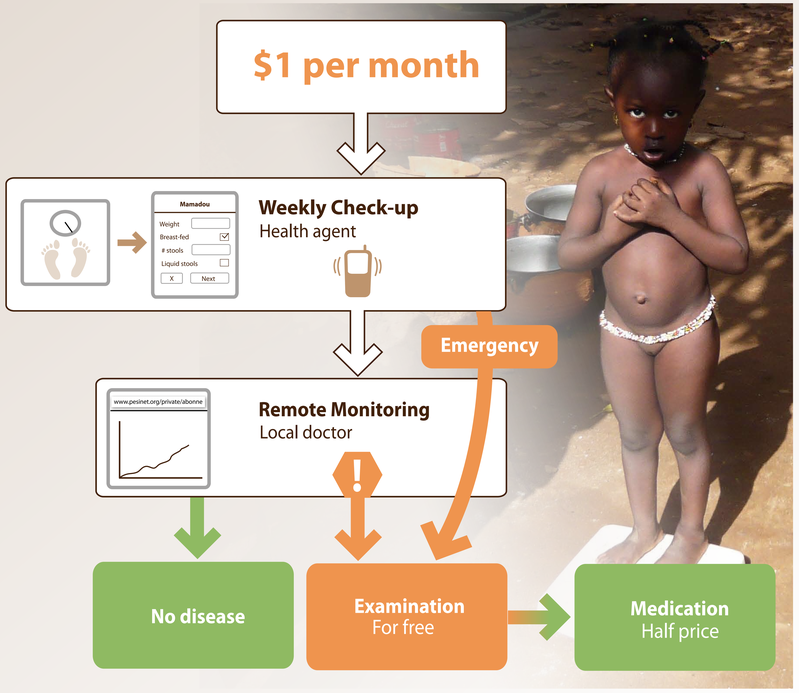
**Our idea**
Prevent complications of benign diseases among children with a system of frequent health follow-up, early-detection of symptoms and early treatment.

Objectives:

- Reduce child mortality
- Facilitate access to early-care
- Raise awareness of prevention

## Extremely affordable access to prevention and early-care

**For a monthly fee worth a day's earnings, Pesinet offers a unique package of healthcare services including prevention, early-detection and access to affordable treatment.**



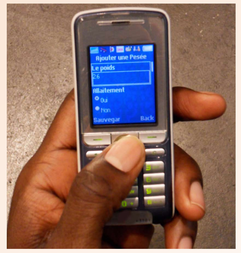

## A multiplier of medical radius

**Pesinet trains non-qualified agents and leverages telecommunications to operate a first triage of patients at lower cost, and reach families where they live and work.**

**Community-based public partner**
Pesinet partners with existing public healthcare structures to recruit and train agents who visit children every week and check on key symptoms (weight, fever, vomiting, diarrhea).

**Innovative use of mobile and Internet**

**Data collection and transfer**
Health agents record data on their mobile phones via a customized JAVA applet. Each day, data is sent through the GSM network.



**Data treatment and display**
Health information is made available to the local doctor through a web interface that flags abnormal cases. Doctors remotely assess child records, identify ill children and call them in for examination.

**Medical records**
Doctors record observations, type of disease and prescribed medication to keep track of patient medical history.

**Impact monitoring**
The system monitors key progress indicators on Pesinet's impact and provides aggregated data to inform public health policies.