

# Healthy newborn kit

Country of origin | India

## Health problem addressed

Every year, four million infants die in the neonatal period (within 28 days of birth). Of these, three million new-borns die in the first week of life. In many high neonatal mortality settings, mothers and new-borns do not have access to the basics of post-partum newborn care (thermal care, infection prevention, and feeding support), increasing risk for preventable but life-threatening infection. India has the highest number of under-five deaths



## Product description

This simple, low-cost technology addresses the main preventable causes of newborn mortality (hypothermia, infection and asphyxia) by providing a “one stop shop” for basic tools and education to ensure health of baby during the early neonatal period. The kit contains essential commodities recommended by the WHO to ensure infection reduction (e.g., bath soap, mucous extractor, Chlorhexidine gel for cord care) and thermal care (e.g., thermometer, receiving blanket, hat). The kit also includes educational tools for both the mother and health worker (e.g., pictorial newborn care guide, tips on kangaroo care and breastfeeding)

## Developer's claims of product benefits

Currently, no convenient, comprehensive or cost-effective newborn kit on the market exists that meets the unique needs of resource-poor settings, and specifically promotes globally recognized best practices. Due to staff/supply shortages in healthcare facilities, individual components are often unavailable, forgotten, or reused without proper sterilization. This customizable kit addresses local/cultural/facility-based needs, providing ALL essentials tools together in the right place, right time.

## Suitability for low-resource settings

This kit addresses major barriers to proper newborn care, while taking into consideration local factors ranging from harmful traditional practices to institutional bureaucracy. The kit simplifies procurement for health facilities and is more affordable compared to purchasing components separately. This educational tools address specific cultural issues that deter parents and health workers proper, recommended care (e.g., using old rags to cloth baby, applying oil/mud on the cord, etc.).

## Operating steps

Open kit; find all tools needed for essential neonatal care. Use soap to clean baby; thermometer to check for hypothermia; Chlorhexidine to rub on the umbilical cord, clean hat and blanket to keep baby warm, etc. (all basic tools familiar to health workers). Check pictorial guide/mobile phone training for instructions on product use if needed. Health worker gives educational tools to mother.

## Regulatory status

The Healthy Newborn Kit was recently accepted as a commitment to the Every Newborn Action Plan. The UN Health Envoy has recognized the kit as a “high-impact commodity that can improve newborn health and survival.

## Future work and challenges

A large need exists for awareness and advocacy around best practices, particularly the use of Chlorohexidine (given the Indian policy on dry cord care and other traditional practices such as using oil and mud). This kit is accompanied as well, by a mobile phone training program intend to be use as a method for educating health workers and mothers on recommended best practices.

## Use and maintenance

**User:** Intended for use by mother with explanation and training from a Physician, Nurse or Midwife

**Training:** Pictorial guide, Mobile voice message training (optional)

## Environment of use

**Setting:** Intended to be used in primary and secondary health care facilities

**Facility requirements:** Clinical Waste Disposal Facilities to dispose of products with blood. Access to mobile phone network is ideal but not required.

## Product specifications

**Weight (kg):** 1

**Dimensions:** 300mm x 170mm x 90mm

**Consumables:** Underpad, mucous extractor, scalpel, cord clamp

**Retail price (USD):** 5.99

**Price of consumables (USD):** xx

**Year of commercialization:** 2015

**Currently sold in:** India

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