



Grand Challenges Canada®
Grands Défis Canada

**Innovations for big
impact: putting the pieces
together to scale KMC**

Thursday November 17th, 2016
KMC Forum

What is Grand Challenges Canada?

- **Support Bold Ideas with Big Impact® in global health.** We focus on catalyzing the scale, sustainability and impact of successful innovations.



9,400 lives saved

through the use of innovative products and services that save lives.

Grand Challenges Canada estimates that between **500,000 and 1.5 million lives** will be saved by 2030.



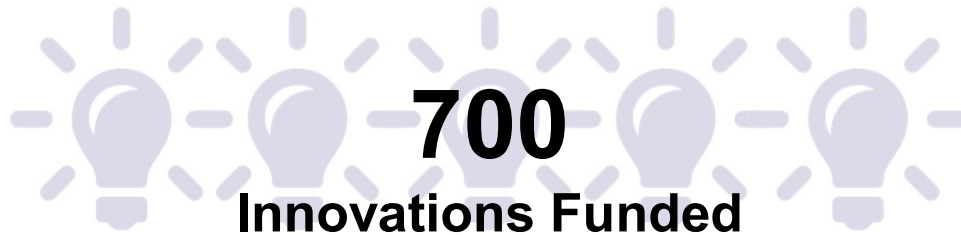
544,000 lives improved

through the use of innovative products and services that improve health.

Grand Challenges Canada estimates that between **14 and 30 million lives** will be improved by 2030.

- **Funded by the Government of Canada.**
- **Fund innovators in low- and middle-income countries and Canada.**

Source Widely, Scale Selectively



700
Innovations Funded



70
Innovations Funded at TTS



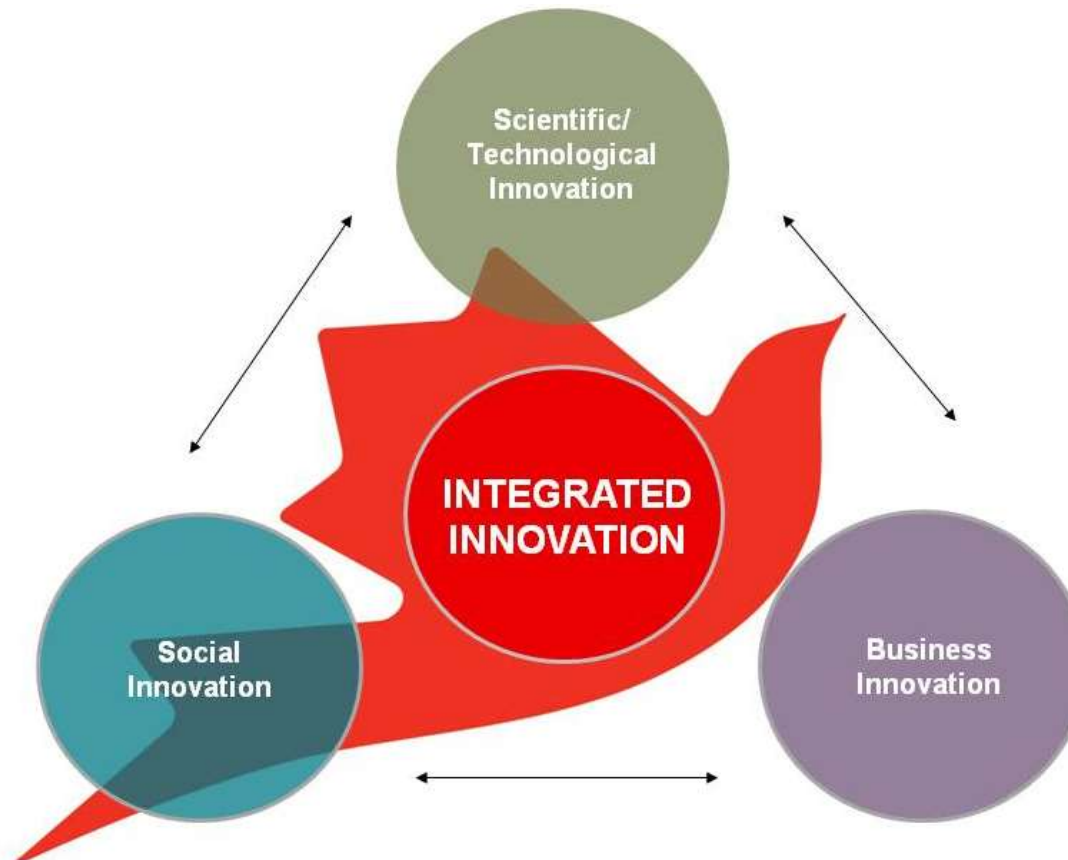
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Fund Makers

A “Fund Maker” refers to an innovation that, if successful, would **drastically change the landscape of how we solve a global health problem**

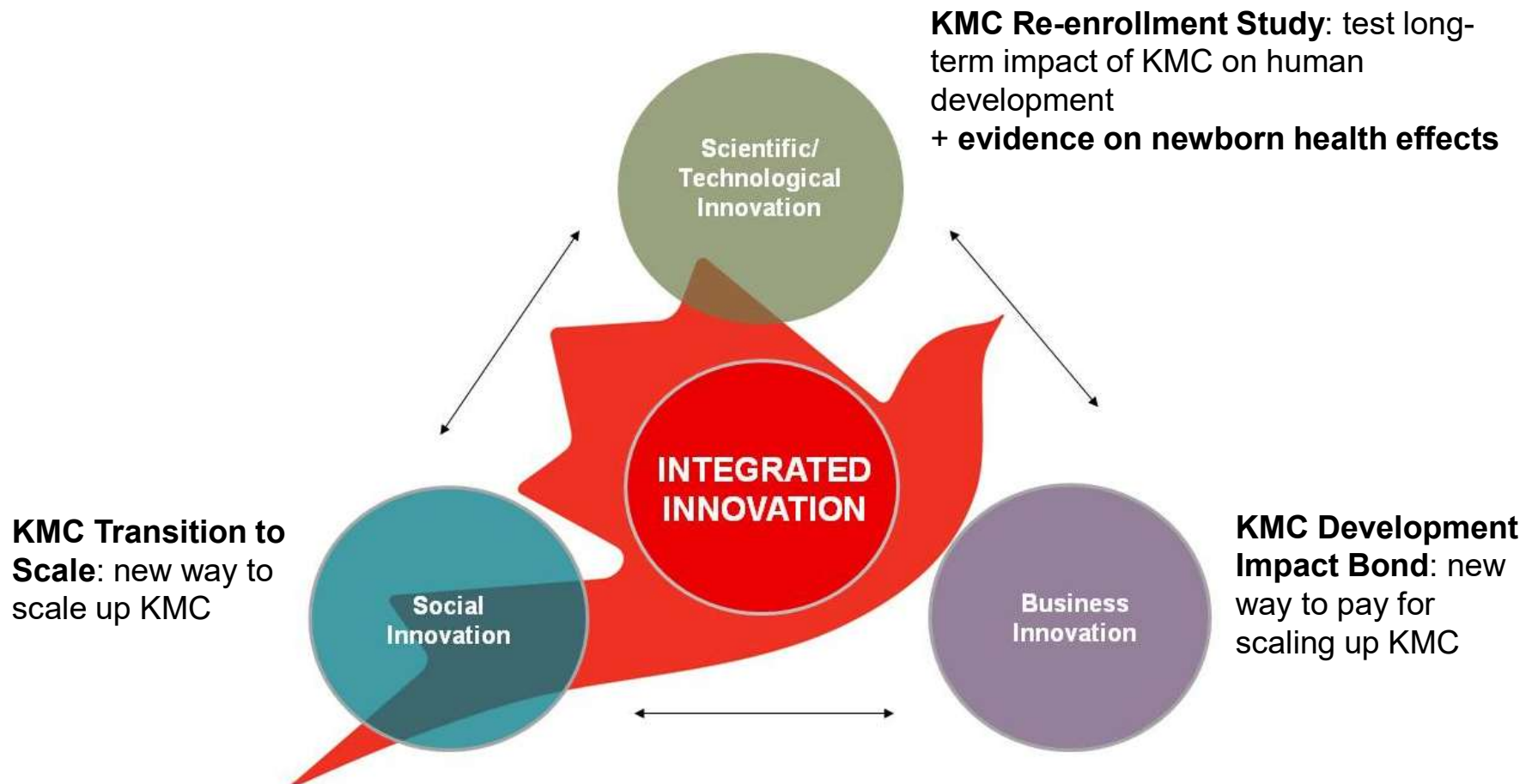
**Fund Maker:
Scaling Kangaroo Mother Care (Kangaroo Foundation)**



Integrated Innovation



Integrated Innovation

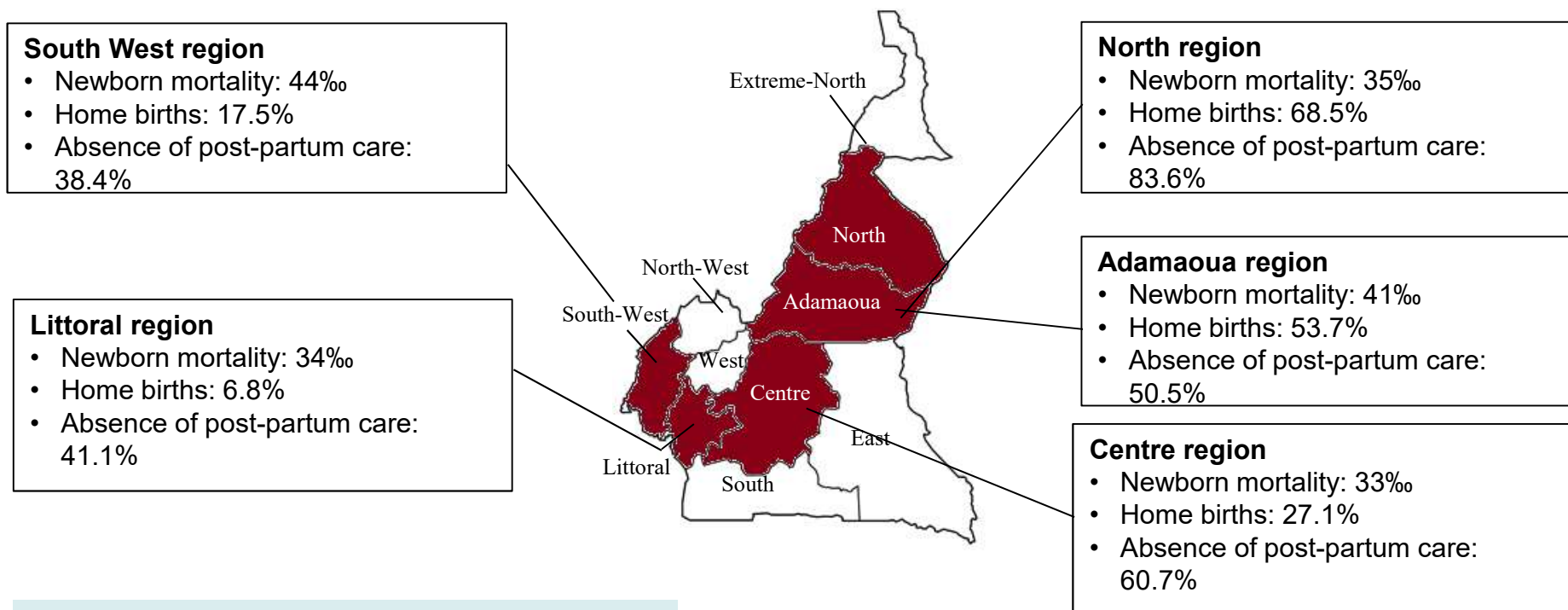


Does the protective effect of KMC for LBWs last into adulthood?

KMC has significant, long-lasting social and behavioural protective effects 20 years after the intervention.

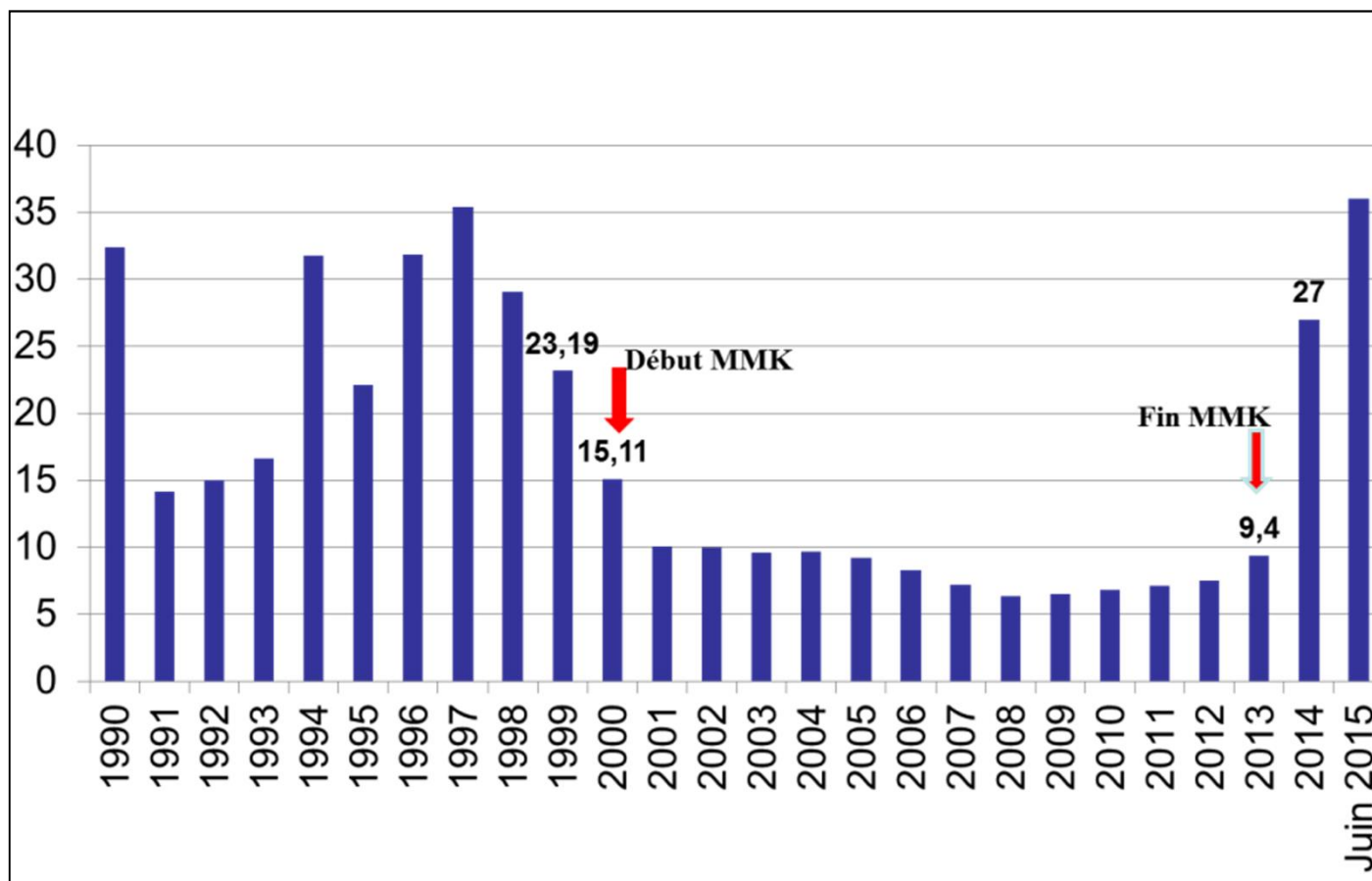


Newborn health context in Cameroon



Total neonatal deaths per year: 22,542
NMR: 31 deaths per 1,000 live births
Human potential lost: ???

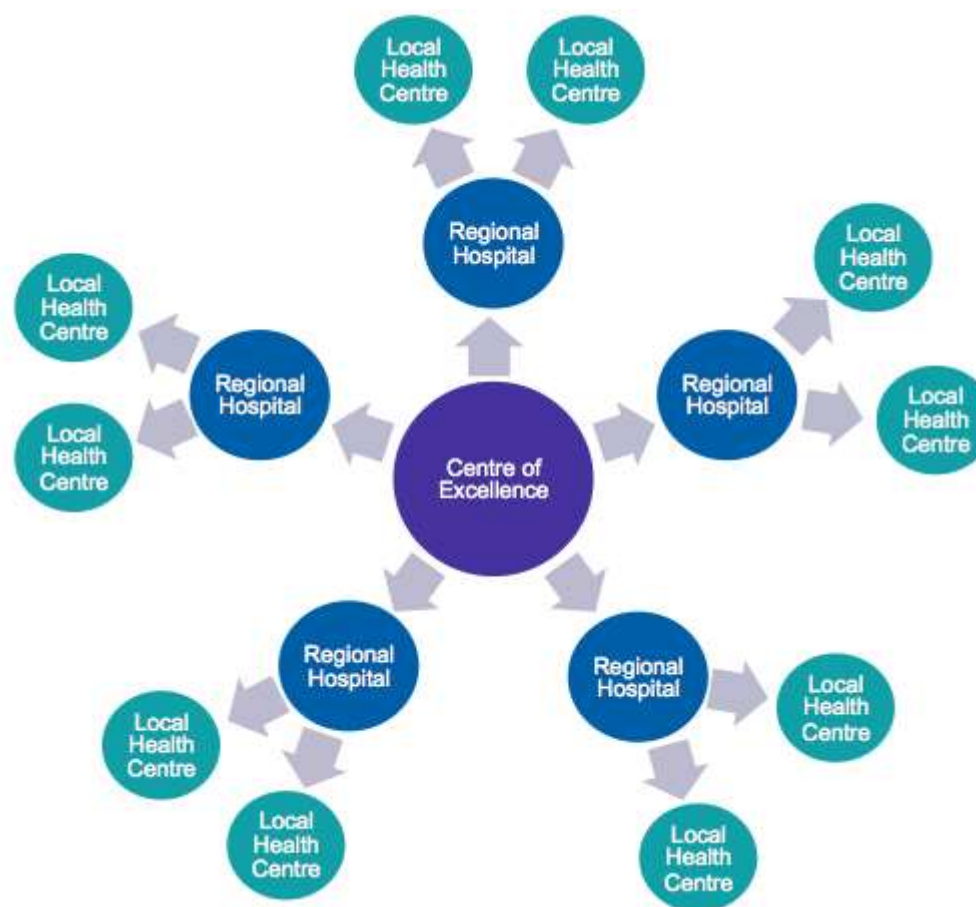
Power of the individual... and the pitfalls of relying on it



Approach to scaling quality KMC

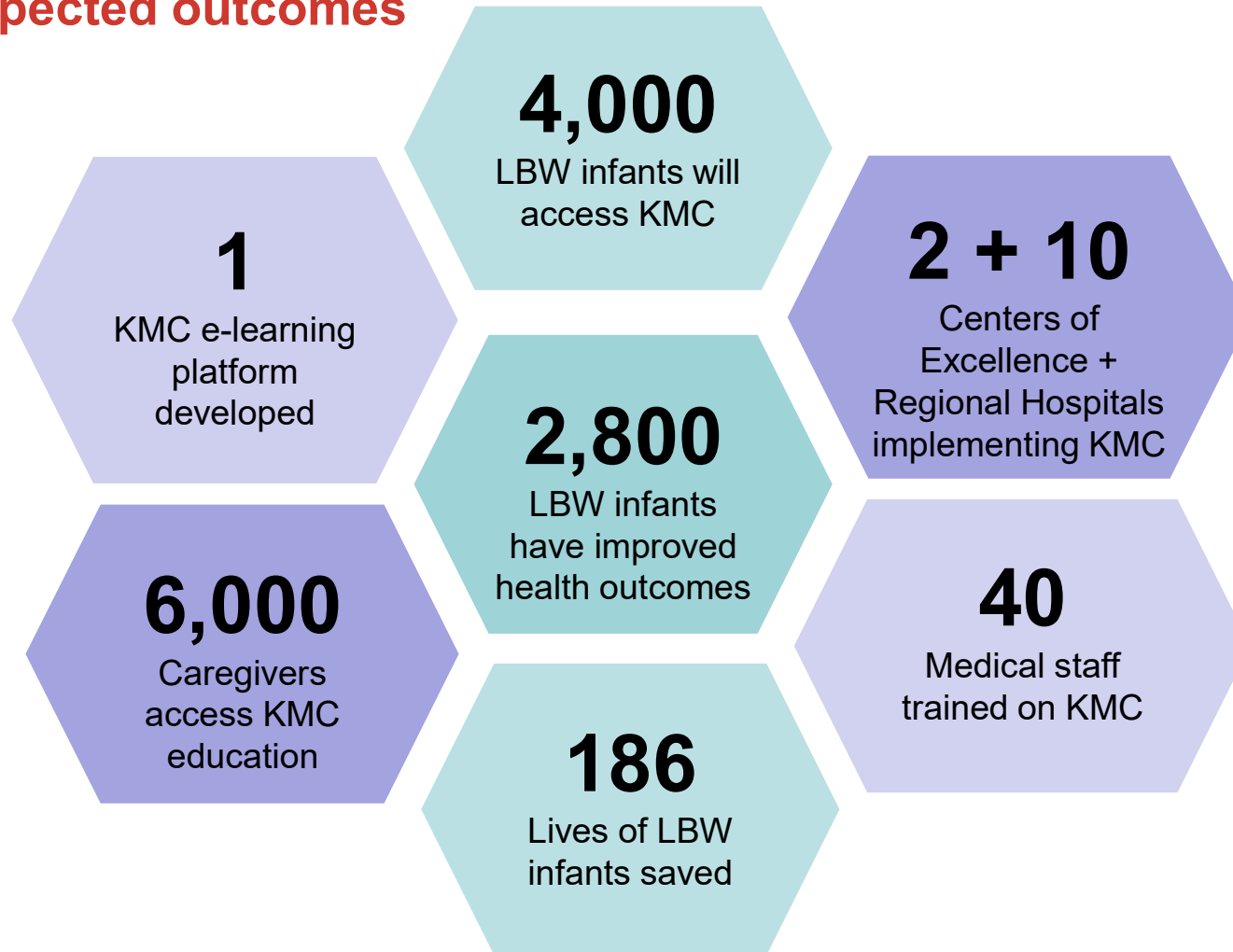
A culturally sensitive
train-the-trainer model
supported by an **e-learning and data tracking platform**

Testing in both Cameroon
and Mali



Transition to Scale

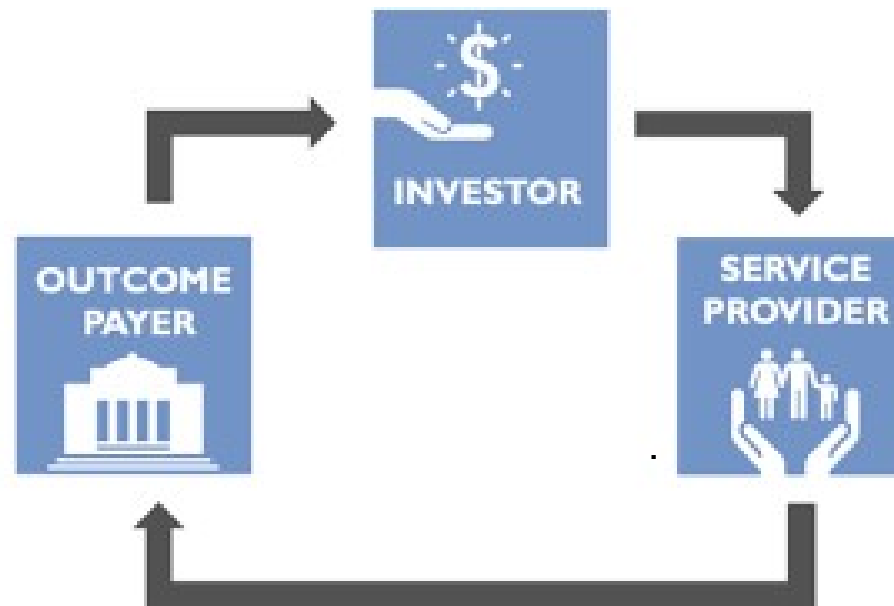
Expected outcomes



KMC Development Impact Bond

What is a Development Impact Bond (DIB)?

Outcomes-based financial instrument



KMC Development Impact Bond

Why apply a DIB to scale KMC?

Attracts different set of partners, ranging from World Bank to high net worth individuals



Provides **strong incentives to test and refine** the KMC scaling model through rigorous performance management systems



Provides **credible proof-of-concept** for the KMC scaling strategy

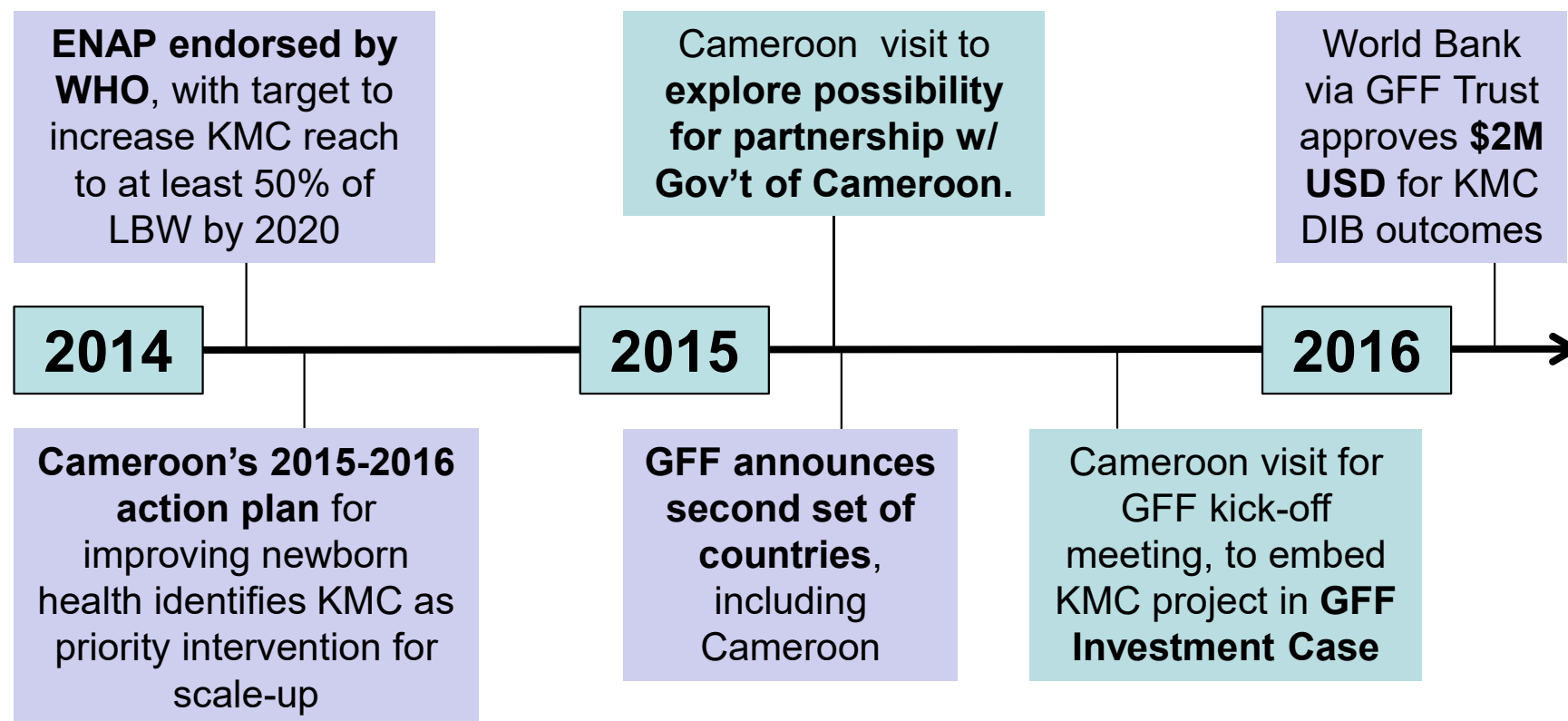


Facilitates **strong engagement** from the Cameroon government



KMC Development Impact Bond

Timeline of engagement

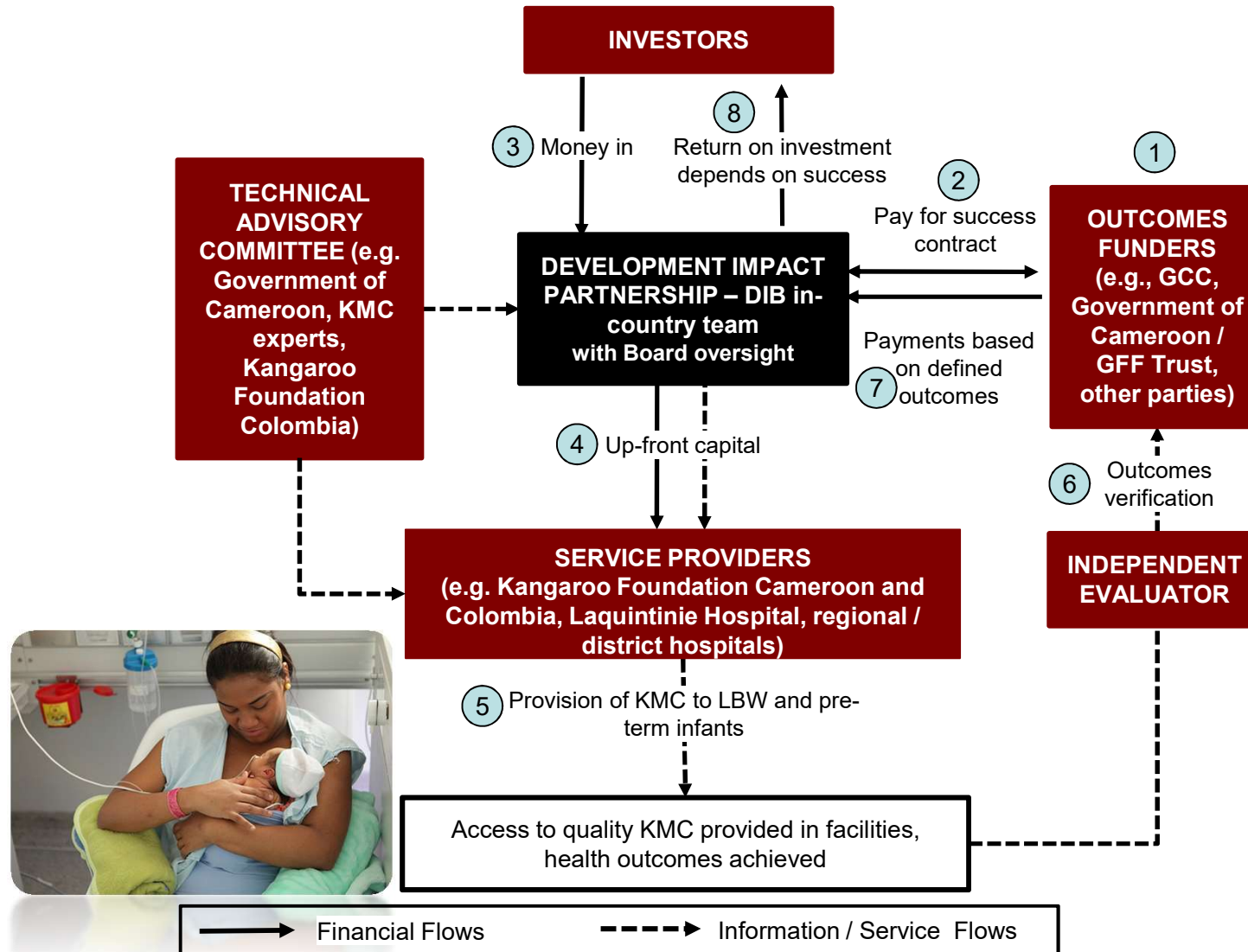


Global Financing Facility

An initiative managed by the World Bank that aims to **unite resources from domestic governments, international donors and private sector actors to accelerate improvements in women and children's health** based on government identified priorities, including through results-based financing.



KMC Development Impact Bond



Expected outcomes

DIB would fund:

- Rollout of KMC to **15-20 reference, regional and district hospitals** in ~4 districts of Cameroon.
- Improved health outcomes for around **4,500 LBW infants per year for 3-4 yrs.**



Reduction in **mortality** for LBW infants



Weight gain velocity as an indicator of quality KMC



Increase in **access** to quality KMC for LBW infants

KMC Development Impact Bond

Expected outcomes



Starting point for national scale-up of KMC in Cameroon, reaching all health system tiers



Proven and replicable approach to scaling KMC in other LMICs



Proven and replicable approach for funding the scale up of KMC

APPENDIX

Proposed Metrics for DIB – *draft, subject to change*

Indicators to validate the progress of the project:

- # of new regional hospitals that have adequate facilities (including access to clean water and electricity) to implement KMC.
- # and % of new regional hospitals certified to implement KMC
- # and % of regional hospitals in the country prepared to train other institutions in KMC implementation.
- # of medical staff trained and # of KMC teams created during the project.
- # of newborn preterm and/or LBW infants who have been admitted to KMC unit/year.
- # of new parents of preterm and/or LBW infants who are receiving KMC education/year.
- # of policy projects which have been developed through the project.