



NiPN
National Information
Platforms for Nutrition



Modeling impact of interventions on stunting: LiST

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The Lives Saved Tool (LiST) was initially developed to support analysis for the Lancet Child Survival Series in 2003 and is currently a project led by the Institute for International Programs (IIP) at the Johns Hopkins Bloomberg School of Public Health.

The tool is available at : <http://livessavedtool.org/>

Partners include:

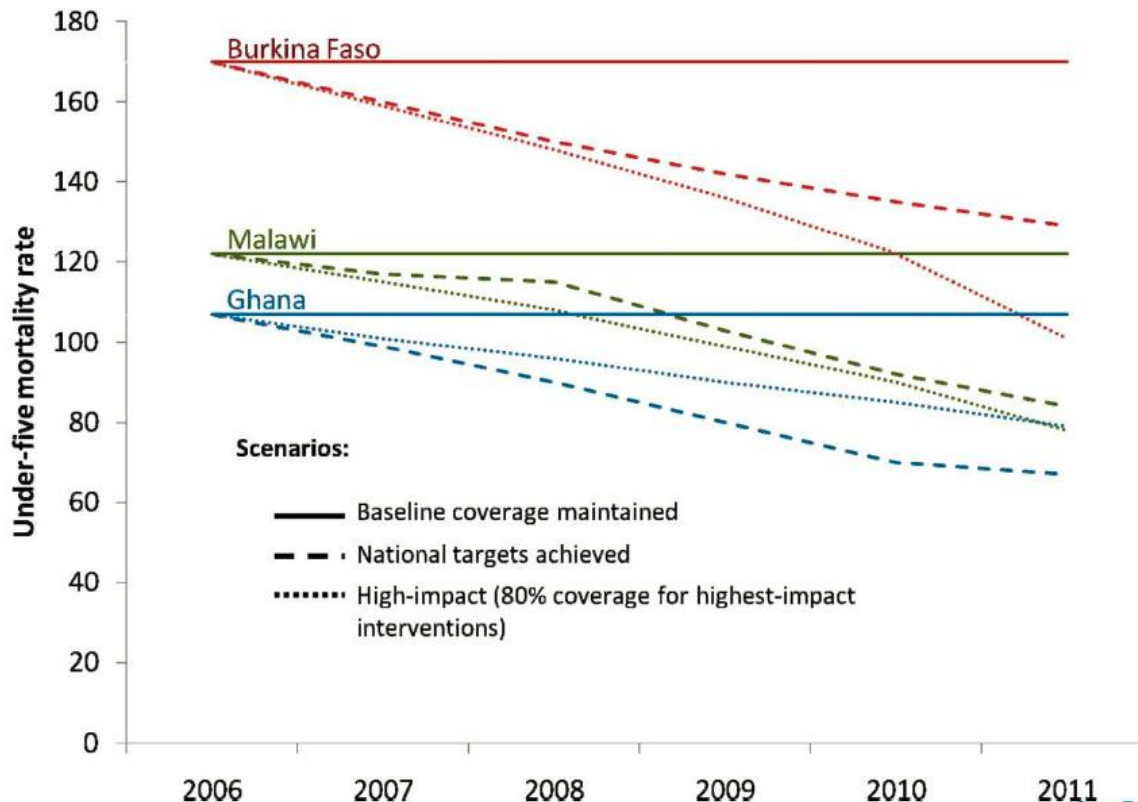


What is list?

- LiST: A multi-cause model of mortality
- LiST predicts changes in country-specific...
 - Under-5 and neonatal mortality rates
 - Maternal mortality rates and ratios
 - Stillbirth rates
 - Causes of death
 - RECENTLY: stunting and wasting prevalence
- ...using
 - Changes in the coverage of MNCH&N interventions
 - Country specific health status
 - Effect sizes of interventions based on best available evidence



Trends in rates of under-5 mortality from 2006 to 2011 in Malawi, Burkina Faso and Ghana if 2006 coverage levels remain unchanged (baseline) and for two LiST scenarios: (i) coverage targets in the national plan are achieved; and (ii) the minimum number of interventions in the national plan that could achieve a 20% reduction in under-5 mortality by 2011 are scaled up to 80% coverage.



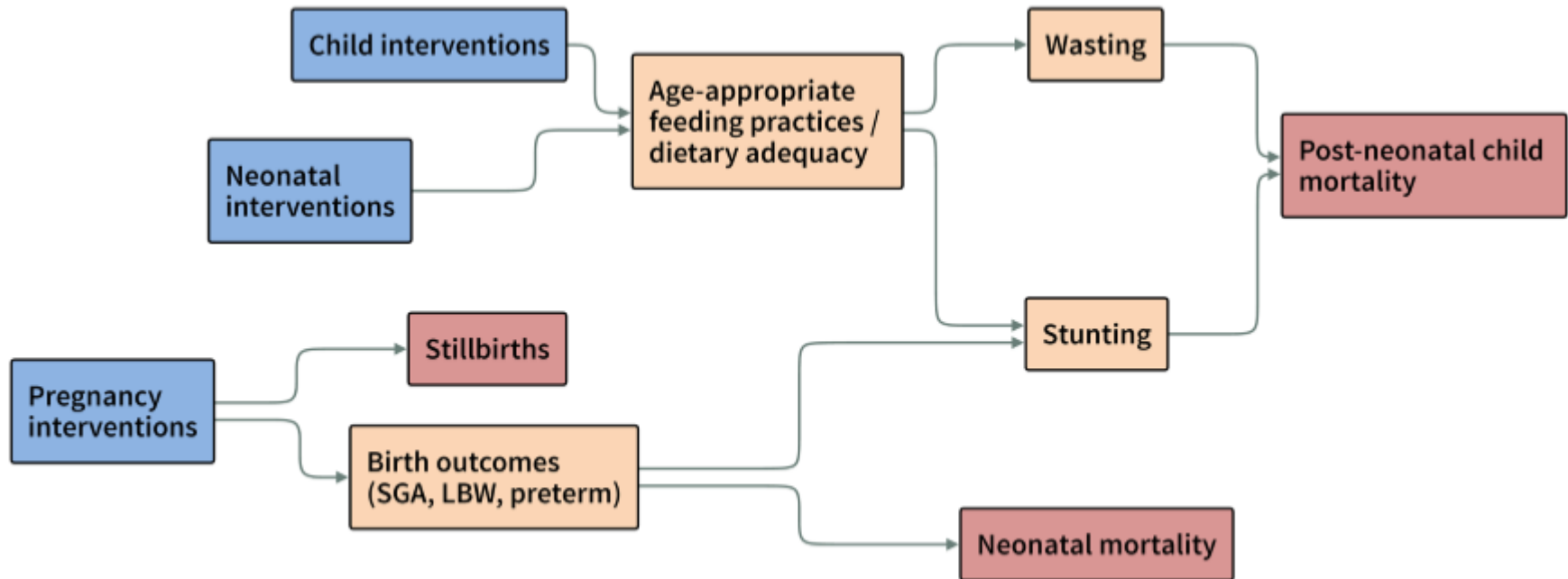
Bryce, Jennifer, et al. "LiST as a catalyst in program planning: experiences from Burkina Faso, Ghana and Malawi." *International Journal of Epidemiology* 39.suppl 1 (2010): i40-i47



How has this been used?



How is nutrition modeled?



Nutrition-related interventions in LiST

- Periconceptual
 - Folic acid supplementation/fortification
 - Blanket iron supplementation/fortification
- Pregnancy
 - Calcium supplementation
 - Micronutrient supplementation (MMN + iron folate)
 - Balanced energy supplementation



Nutrition-related interventions in LiST

- Preventative
 - Breastfeeding promotion
 - Complementary feeding (education only, education + supplementation)
 - Vitamin A supplementation
 - Zinc supplementation •
- Curative
 - Zinc for treatment of diarrhea
 - Vitamin A for treatment of measles
 - SAM and MAM treatment



Nutrition-related risk factors in LiST

- Breastfeeding behavior (early, exclusive, continued)
- Stunting
- Wasting
- Birth risk
 - Maternal age
 - Parity
 - Spacing
- Birth outcomes
 - SGA
 - Pre-term
- Diarrhea incidence



Let's examine this model in detail?

