







A multisectoral approach to prevent anemia will save lives and improve the wellbeing of mothers, infants, and children

Anemia has substantial negative effects on the health and economic wellbeing of nations and communities. Children with anemia experience irrevocable cognitive and developmental delays and exhibit decreased worker productivity as adults.¹ Globally, maternal anemia increases the risk of pre-term delivery and low birth weight, and iron-deficiency anemia underlies 115,000 maternal deaths and 591,000 perinatal deaths each year.²

Prevalence of anemia among children 6-59 months and women 15-49 years, by region



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Trends in the prevalence of anemia in Madagascar



The DHS hemoglobin levels used to diagnose anemia in children 6-59 months in grams/dL are: Mild 10.0-10.9; Moderate 7.0-9.9; Severe <7.0; Any <11.0.

Women 15-49 years of age



The DHS hemoglobin levels used to diagnose anemia in non-pregnant women 15-49 years of age in grams/dL are: Mild 10.0-11.9; Moderate 7.0-9.9; Severe <7.0; Any <12.0.

Status of Policies or Strategies to Support Reductions in Anemia*

- ☑ IFA for pregnant women
- ☑ IFA for adolescent girls
- Iron and/or folic acid fortification legislation
- 🛛 🗵 Delayed cord clamping
- Dietary diversity for complementary feeding
- Micronutrient powders for children

Long-lasting insecticidal nets (LLINs) for household use

- Indoor residual spraying
- National policy on sanitation
- ☑ IPTp for pregnant women
- 🗹 Malaria diagnosis and treatment
- Deworming for children
- Deworming for pregnant women
- Breastfeeding

■ no policy ■ policy pending

policy in place I missing documentation

*Information from the Global database on the Implementation of Nutrition Action (GINA) (https://extranet.who.int/ nutrition/gina/en) or country documentation. The status of policies and strategies have been identified to the best of our knowledge. Revisions and updates are welcome.

Evidence-informed WHO guidance can be found here: http://www.who.int/elena/en/

Increase iron uptake and stores



*Percentage who slept under an LLIN (2013) or ITN (2008-2009) the night before the survey

All data is from Madagascar Demographic and Health Surveys unless otherwise noted



Multiple Sectors Play a Role in Anemia Prevention and Treatment

Stunting and anemia share similar risk factors and are responsive to many of the same interventions

Agriculture

Increase income and reduce poverty
Production of biofortified and iron-rich crops
Small livestock/poultry
Dietary diversity

Health

Iron supplementation
Deworming
Breastfeeding and complimentary feeding
Family planning

- Malaria prevention and treatment
- Delayed cord clamping

Water and Sanitation

Improved latrines
Handwashing
Access to clean water
Livestock management
Infectious disease prevention

Data Sources:

Institut National de la Statistique (INSTAT), Programme National de lutte contre le Paludisme (PNLP), Institut Pasteur de Madagascar (IPM) et ICF International. 2013. Enquête sur les Indicateurs du Paludisme (EIPM) 2013. Calverton, MD, USA: INSTAT, PNLPI.PIM et ICF International.

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Education

• Female literacy

- Health education
- Hygiene education
- Family planning education
- Nutrition education

www.spring-nutrition.org