



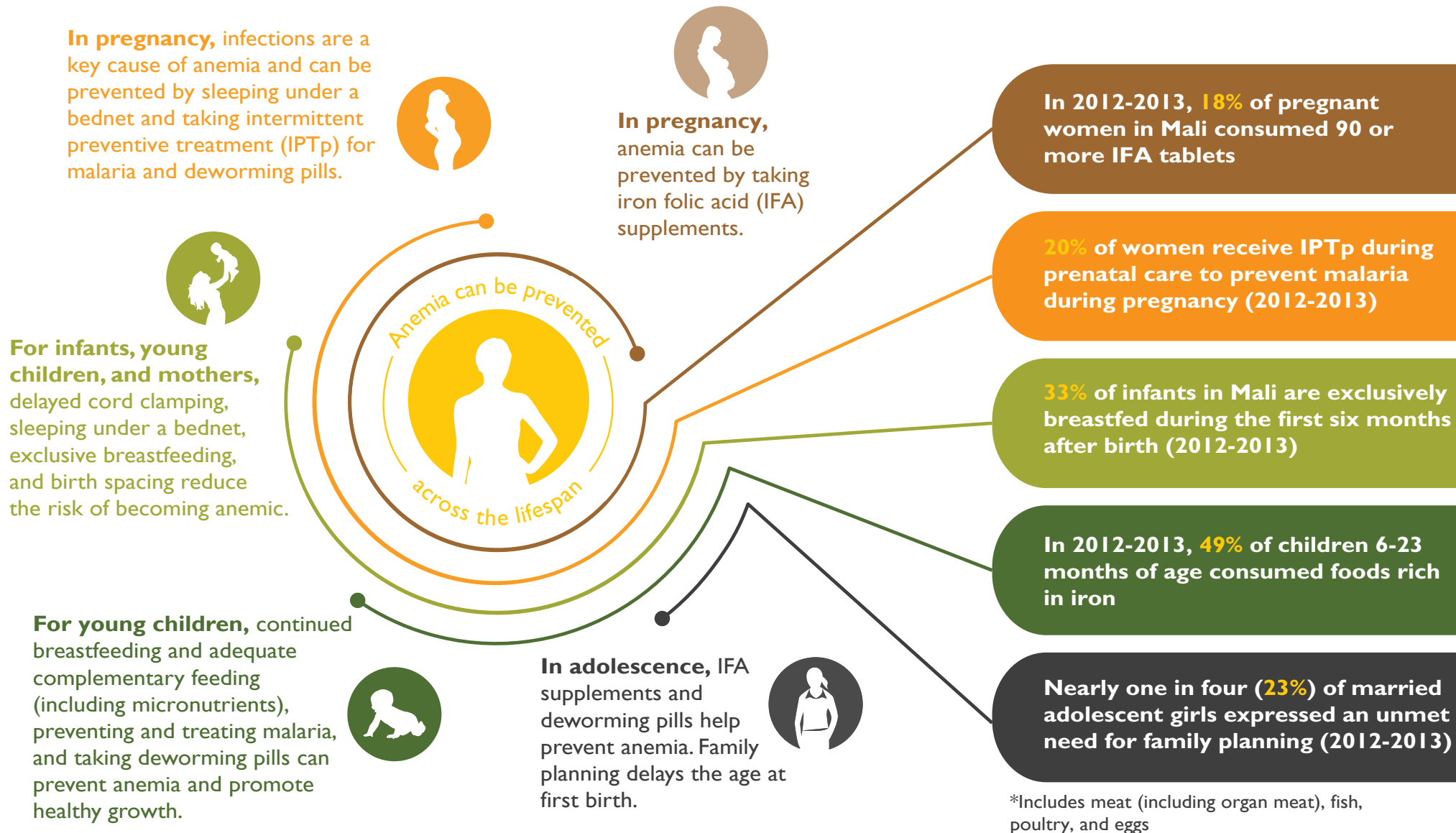
MALI

National Anemia Profile



USAID
FROM THE AMERICAN PEOPLE

SPRING
Strengthening Partnerships, Results,
and Innovations in Nutrition Globally

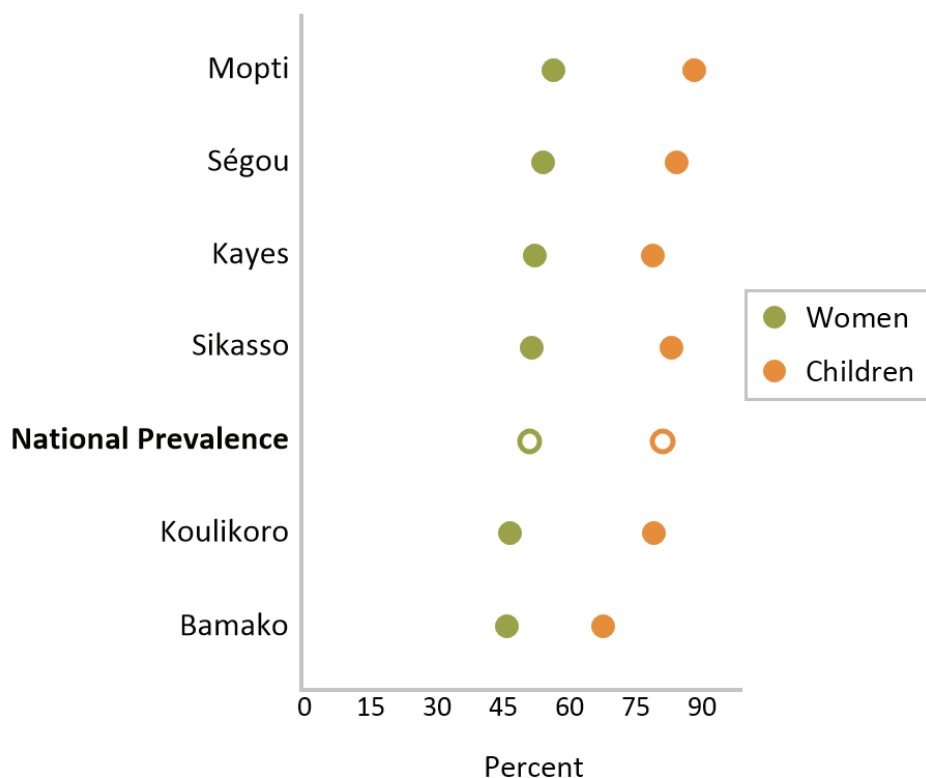


A multisectoral approach to prevent anemia will save lives and improve the wellbeing of mothers, infants, and children

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

Source: Mali DHS, 2012-2013



1. Walker, S. P., T. D. Wachs, J. M. Gardner, B. Lozoff, G. A. Wasserman, E. Pollitt, and J. A. Carter. 2007. "Child development: risk factors for adverse outcomes in developing countries." *Lancet*, 369(9556): 145-157.

2. Stoltzfus, R. J., L. Mullany, and R. E. Black. 2004. "Iron Deficiency Anemia." In *Comparative Quantification of Health Risks: Global and Regional Burden of Disease Attributable to Selected Major Risk Factors*. M. Ezzati, A. D. Lopez, A. Rodgers, and C. J. L. Murray, eds. Geneva: World Health Organization.

Trends in the prevalence of anemia in Mali

Children 6-59 months of age

■ mild ■ moderate ■ severe

2006



2012-2013



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

2006



2012-2013



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*

- | | |
|--|--|
| <input checked="" type="checkbox"/> IFA for pregnant women | <input checked="" type="checkbox"/> Long-lasting insecticidal nets (LLINs) for household use |
| <input checked="" type="checkbox"/> IFA for women of reproductive age | <input checked="" type="checkbox"/> Indoor residual spraying |
| <input checked="" type="checkbox"/> IFA for adolescent girls | <input checked="" type="checkbox"/> National policy on sanitation |
| <input checked="" type="checkbox"/> Iron and/or folic acid fortification legislation | <input checked="" type="checkbox"/> IPTp for pregnant women |
| <input checked="" type="checkbox"/> Delayed cord clamping | <input checked="" type="checkbox"/> Malaria diagnosis and treatment |
| <input checked="" type="checkbox"/> Dietary diversity for complementary feeding | <input checked="" type="checkbox"/> Deworming for children |
| <input checked="" type="checkbox"/> Micronutrient powders for children | <input checked="" type="checkbox"/> Deworming for pregnant women |
| | <input checked="" type="checkbox"/> Breastfeeding |

- | | |
|---|--|
| <input checked="" type="checkbox"/> no policy | <input type="checkbox"/> policy pending |
| <input checked="" type="checkbox"/> policy in place | <input type="checkbox"/> 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/>

Anemia is a Preventable Condition—Simple Interventions Can Have a Huge Impact

Increase iron uptake and stores

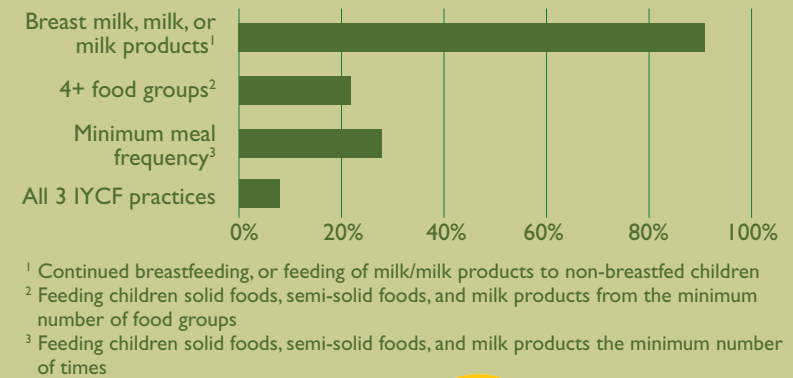
IFA supplementation among pregnant women remained relatively the same from 2006 to 2012-2013



Contraception use marginally increased among married women from 2001 to 2012-2013

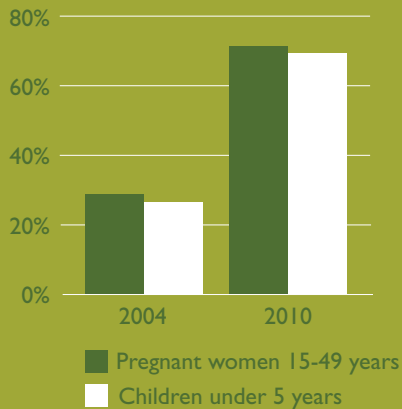


Few children 6-23 months old were fed according to 3 key Infant and Young Child Feeding (IYCF) practices in 2012-2013



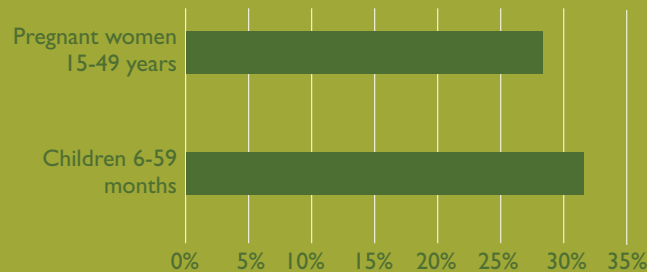
Reduce iron losses and infection

Insecticide-treated mosquito net (ITN) use increased from 2006 to 2012-2013*



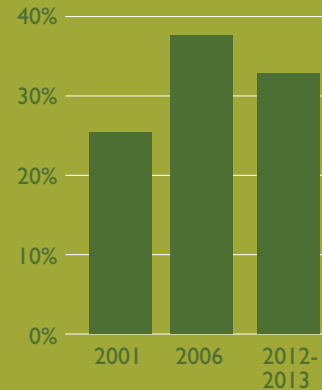
*Percentage who slept under an ITN the night before the survey

Not enough children and women received deworming medication in 2012-2013*

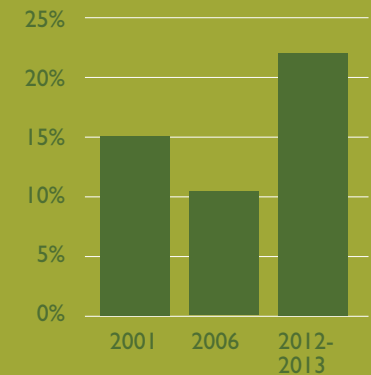


*Deworming medication given in past 6 months for children and during last pregnancy for women

Exclusive breastfeeding of children <6 months has fallen since 2006



Few households have an improved latrine/toilet*



*Definition of 'improved latrine/toilet' has changed slightly across years. See Demographic and Health Surveys.

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

Education

- Female literacy
- Health education
- Hygiene education
- Family planning education
- Nutrition education

Data Sources:

Cellule de Planification et de Statistique (CPS/SSDSPF), Institut National de la Statistique (INSTAT/MPATP), INFO-STAT et ICF International, 2014; Enquête Démographique et de Santé au Mali 2012-2013. Rockville, Maryland, USA: CPS, INSTAT, INFO-STAT et ICF International.

Cellule de Planification et de Statistique du Ministère de la Santé (CPS/MS), Direction Nationale de la Statistique et de l'Informatique du Ministère de l'Économie, de l'Industrie et du Commerce (DNSI/MEIC) et Macro International Inc. 2007. Enquête Démographique et de Santé du Mali 2006. Calverton, Maryland, USA: CPS/DNSI et Macro International Inc.

Cellule de Planification et de Statistique du Ministère de la Santé (CPS/MS), Direction Nationale de la Statistique et de l'Informatique (DNSI) et ORC Macro. 2002. Enquête Démographique et de Santé au Mali 2001. Calverton, Maryland, USA: CPS/MS, DNSI et ORC Macro.

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