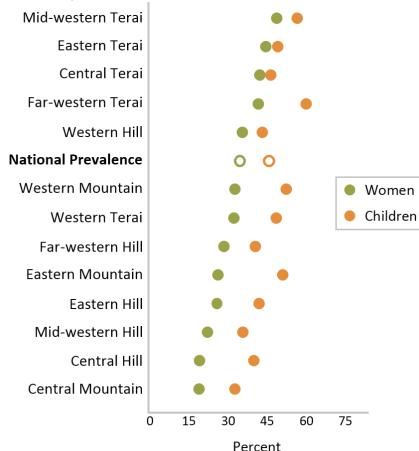


A multisectoral approach to prevent anemia will save lives and improve the wellbeing of mothers, infants, and children

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 subregion

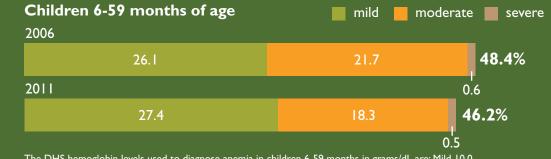
Source: Nepal DHS, 2011



I. 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.

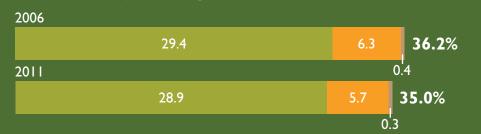
2. Stoltzfus, R. J., L. Mullany, and R. E. Black. 2004. "Iron Deficiency Anemia." In Comparative Quantification of Health Risks: Global and Regional Burden of Disease Attributable to Selected Major Risk Factors. M. Ezzati, A. D. Lopez, A. Rodgers, and C. J. L. Murray, eds. Geneva: World Health Organization.

Trends in the prevalence of anemia in Nepal



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 women of reproductive age
- ☑ 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
- N/A IPTp for pregnant women¹
- Malaria diagnosis and treatment
- Deworming for children
- Deworming for pregnant women
- Breastfeeding

In policy I policy pending

policy in place • missing documentation

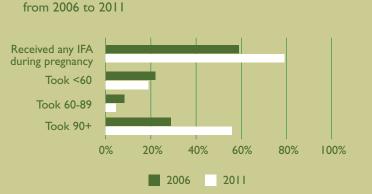
*Information from the Global database on the Implementation of Nutrition Action (GINA) (https://extranet.who.int/ nutrition/gina/en) or country documentation. The status of policies and strategies have been identified to the best of our knowledge. Revisions and updates are welcome.

¹Not part of national malaria strategy due to low prevalence of malaria during pregnancy.

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

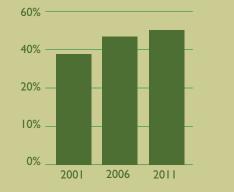
Anemia is a Preventable Condition—Simple Interventions Can Have a Huge Impact

Increase iron uptake and stores

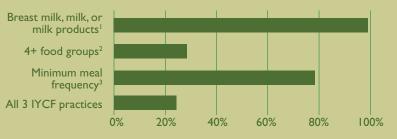


IFA supplementation among pregnant women increased

Contraception use modestly increased from 2001 to 2011



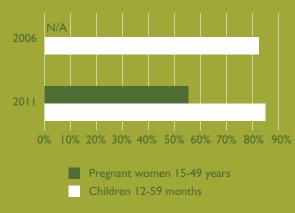
Few children 6-23 months old were fed according to 3 key Infant and Young Child Feeding (IYCF) practices in 2011



¹ Continued breastfeeding, or feeding of milk/milk products to non-breastfed children ² Feeding children solid foods, semi-solid foods, and milk products from the minimum number of food groups

³ Feeding children solid foods, semi-solid foods, and milk products the minimum number of times

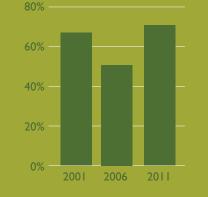
The majority of children and women received deworming medication in 2011*



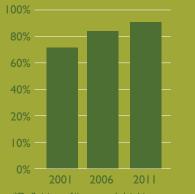
*Deworming medication given in past 6 months for children and during last pregnancy for women

Reduce iron losses and infection

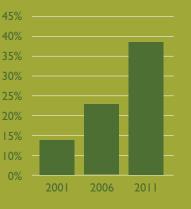
Exclusive breastfeeding of children <6 months has not changed since 2001



The majority of households in Nepal have access to an improved source of drinking water*



Definition of 'improved drinking water source' has changed slightly across years. See Demographic and Health Surveys. The percentage of households with an improved latrine/toilet has steadily increased since 2001^



*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

Data Sources:

Ministry of Health and Population (MOHP) [Nepa], New ERA, and ICF International Inc. 2012. Nepal Demographic and Health Survey 2011. Kathmandu, Nepal: Ministry of Health and Population, New ERA, and ICF International, Calverton, Maryland.

Ministry of Health and Population (MOHP) [Nepal], New ERA, and Macro International Inc. 2007, Nepal Demographic and Health Survey 2006. Kathmandu, Nepal: Ministry of Health and Population, New ERA, and Macro International Inc.

Ministry of Health [Nepal], New ERA, and ORC Macro. 2002. Nepal Demographic and Health Survey 2001. Calverton, Maryland, USA: Family Health Division, Ministry of Health; New ERA; and ORC Macro.

Profile prepared September 2015.

This profile is made possible by the generous support of the American people through the United States Agency for International Development (USAID) under the terms of the Cooperative Agreement AID-OAA-A-I I-00031 (SPRING), managed by JSI Research & Training Institute, Inc. (JSI) with partners Helen Keller International, the Manoff Group, Save the Children, and the International Food Policy Research Institute. The contents are the responsibility of JSI, and do not necessarily reflect the views of USAID or the United States Government.

Education

• Female literacy

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

www.spring-nutrition.org