

Published outbreaks (at least 15 people affected) and national surveys of thiamine deficiency since 1980

Country, year: population or location, age (deaths, if applicable)	Study reference
Asia and Pacific	
Bhutan, 2015: 17 female boarding school students, 9-18 years	Dzed et al. 2016; Dzed, 2015
Papua New Guinea, 2009: 6 boarding school students with severe deficiency and 24 with marginal deficiency, 14-22 years	Temu et al. 2009
Thailand, 1994-95: 31 thiamine deficient children in rural Northeast, 6-12 years	Khampitak et al. 2006
Thailand, 2005: 15 fishermen in Maha Chai spending 18 months at sea, 20-40 years (2 deaths)	Doung-ngern et al. 2005
Thailand, 2012-13: 17 factory workers with heavy physical activity in Chachoengsao, 20-30 years (3 deaths)	Nguyen et al. 2016
Taiwan, 1999: 34 probable and 70 possible cases among Chinese male immigrants in a detention center, 22-40 years (2 deaths)	Chen et al. 2003
Kiribati, 2012-15: 34 adult men, pregnant and lactating women, infants all following a diet based on imported unfortified rice, <1 years old to > 50 years (9 deaths)	Niles et al. 2015
Laos, 2007-2009: 54 hospitalized infants in Luang Namtha Province, mean age 62 days (3 deaths)	Ba Rennes, 2015
Laos, 2010: 60 pregnant and 71 lactating mothers following post-partum restrictive diets and 10 infants with a mean age of 91 days from 22 villages in Luang Namtha province (20 infant deaths)	Ba Rennes, 2015
Laos, 2001-05: 47 infants admitted to Mahosot Hospital in Vientiane, mean age 2 months	Soukaloun, 2011
Cambodia, Cambodian Demographic and Health Survey 2014: 192 women aged 15-49 years and 114 children aged 6-69 months with thiamine deficiency < 120 nmol/L	Whitfield, 2017
Cambodia, year? : 27 infants from a rural clinic in Prey Veng Province, median age 105 days	Coats 2018
Myanmar, NNC 2009: 6.8% of pregnant women and 4.4% of lactating mothers were thiamine deficient; in 2003 infantile beriberi was the fifth leading cause of infant death	https://www.lift-fund.org/sites/learn%20report%20part%201.compressed.pdf
India (Assam), 2016-17: 24 peripartum women, 15-40 years (4 intrauterine deaths)	Koshy, 2018
India (Jammu and Kashmir), 2014: 23 infants with a cute life-threatening metabolic acidosis due to thiamine deficiency, exclusively breastfed by moms whose diet is based on polished rice, aged 32 days - 4 months	Qureshi, 2016
India (Jammu and Kashmir), 2016-2017: 29 peripartum females, mean age 30 years	Ahmad, 2019
India (Jammu and Kashmir), 2011-15 : 50 adult males and females, with nonalcoholic Wernicke's encephalopathy, following a diet based on polished rice, mean age 50 years	Shah, 2017
Middle east	

Israel, 2003: at least 20 infants who received a thiamine deficient formula, mean age 32.2 months (4 deaths)	Fattal-Valevski A, 2009; Shamir, 2012
Africa	
South Africa, 1981-85: 41 adult men with high consumption of Zulu beer admitted to King Edward VII Hospital in Durban	Naidoo 1987
Somalia, 2009-10: 241 male African Union Soldiers following a restricted diet, mean age 29 years (4 deaths)	Watson et al. 2011
Gambia, 1990-91: 27 men and 11 women in urban area, mean age 36 and 35 years respectively (4 deaths)	Rolfe et al. 1993
Gambia, 1988: 140 suspected adults and children in North Bank region (22 deaths)	Thurnham et al. 2011 and Tang et al. 1989
Côte d'Ivoire, 2002-03: 597 male cases and 115 probable male cases in Abidjan prison receiving a diet very low in thiamine, 15-73 years (7 deaths)	Ahoua et al. 2007
Côte d'Ivoire, 2008: 205 cases in Abidjan Prison, mean age 33 years	Ake-Tano et al, 2014
"West Africa", 2002: 211 prisoners (25 deaths)	de Montmollin et al., 2002 (no access)
Guinea, 2015: 618 prisoners	International Red Cross
Mayotte and Reunion Islands, 1997-2005: 70 men and women in Mahoran or Comorian, mean age 27 years	Darcel et al. 2009
Mayotte Island, 2004: 32 breastfed infants, 3 weeks to 6 months (20 deaths)	Tajahmady et al. 2004
Angola, 2002: 51 suspected cases in Chipindo receiving a poor diet due to conflict, 4 months to 86 years (10 deaths)	Duce et al. 2003
Americas	
Brazil, 2006-08: 57 pediatric patients in the intensive care unit of the Hospital of São Paulo, mean age 1.7 years	Peixoto de Lima et al. 2011
Brazil, 2008: 87 cases in Macuxi Amerindian communities in Roraima, mean age 31 years (3 deaths)	Cerroni et al. 2010
French Guiana, 2013-14: 42 illegal gold miners, 22-65 years (1 death)	Mosnier et al. 2017
Brazil, 2006-08: 1207 cases, mostly men performing heavy labor in Maranhão State, 20-40 years (40 deaths)	Padilha et al. 2011
Cuba, 1992-93: 107 cases in Pinar del Rio and Havana, >15 years	Macias-Matos et al. 1996
Colombia, 1991-93: 22 cases in the Naval School Almirante Padilla, 20-21 years (2 deaths)	Martinez et al 1996