

RDFN in Global South

The study recently published in the journal **BMC Pediatrics** (February 2026) regarding the global incidence of Rh hemolytic disease and neonatal jaundice can be found here:

- **Global burden of hemolytic disease and neonatal jaundice from 1990 to 2021 with projections to 2050:** Published on February 5, 2026, in *BMC Pediatrics* (Vol 26, Art 82), this systematic analysis evaluates the disproportionate burden of the disease in low-socio-demographic index (SDI) regions.

National Institutes of Health (NIH) | (.gov) +1

Key Findings on Incidence in Developing Countries (Global South)

- **High Prevalence Regions:** The study identifies **South Asia, Southeast Asia, and Sub-Saharan Africa** as having the most substantial disease burden.
- **Prevalence Gap:** While Rh hemolytic disease (HDFN) prevalence has dropped to roughly **2.5 per 100,000** live births in developed nations, it remains as high as **529 per 100,000** in many developing countries.
- **Mortality Disparity:** In developed countries, approximately 1 in 100,000 live births result in death from HDFN; in contrast, the rate in non-developed countries is estimated at **119 per 100,000**.
- **Prevention Gaps:** Approximately **50%** of women globally who require anti-D immunoprophylaxis do not receive it, primarily due to lack of access or awareness in lower-income regions.

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Additional Articles on Regional Incidence

- [An ongoing problem: Rhesus hemolytic disease of the newborn](#): A 2024 study focusing on Turkey as an emerging economy, highlighting that Rh disease remains a critical issue where anti-D prophylaxis is not widely available.
- **Rh isoimmunization in Sub-Saharan Africa:** Examines the specific challenges of implementation and universal access to treatment in Africa.
- [HDFN and Rhesus alloimmunization in Latin American countries](#): A 2024 review showing incidence rates ranging from 0.5 to 5 per 1,000 live births across Latin America.

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Would you like more details on the **projections to 2050** or specific **regional data** for a particular country?

This is for informational purposes only. For medical advice or diagnosis, consult a professional. AI responses may include mistakes. [Learn more](#)

10 sites

- Quantifying the HDFN Disease Burden Across the Globe

Jun 13, 2024 — Quantifying the HDFN Disease Burden Across the Globe * A Global Divide. This study highlights the considerable complications that ...

Rare Disease Advisor

- Global burden of hemolytic disease and neonatal jaundice ...

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ResearchGate

- An ongoing problem: Rhesus hemolytic disease of the newborn

Mar 7, 2024 — * 1 Introduction. After exposure of a Rhesus (Rh) (D)-negative mother to Rh (D) antigen, IgG-type anti-D antibodies are formed, wh...

