

# Teach to Reach

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Elena Herrera, MPH, JSI  
Pijush Khan, Ph.D., IIHMR





**Zero-Dose**  
LEARNING HUB

# Zeroing in on Zero-Dose

Challenges and opportunities for improving equity and coverage among zero-dose and under-immunized children in four countries.



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# Gavi Zero-Dose Learning Hub

The Zero-Dose Learning Hub (ZDLH), established by Gavi, addresses immunization equity by identifying and reaching zero-dose (ZD) and under-immunized (UI) children through the use of high-quality data collection. The ZDLH consortium is led by JSI Research & Training Institute, Inc. (JSI), in collaboration with The Geneva Learning Foundation (TGLF) and the International Institute of Health Management Research, New Delhi (IIHMR). Together with four Country Learning Hubs (CLHs) in Bangladesh, Mali, Nigeria, and Uganda, the consortium is addressing the global vaccination gap to reach children with life-saving vaccinations.

As we embark on this initiative, we invite you to contribute to the ZDLH knowledge base by sharing your learnings on reaching ZD children. **Visit [ZDLH.Gavi.Org](https://ZDLH.Gavi.Org) for more information.**

# Purpose

1

Better understand the current immunization and ZD context in Bangladesh, Mali, Nigeria, and Uganda.

2

Use findings to identify opportunities for intervention to reach ZD and UI children.

3

Inform ZD research and programming efforts at the country level.



# Approach

## **Synthesis of Evidence From:**

- Literature review
- Secondary data analyses (e.g., DHS, WUENIC, IHME)

## **Domains of Interest:**

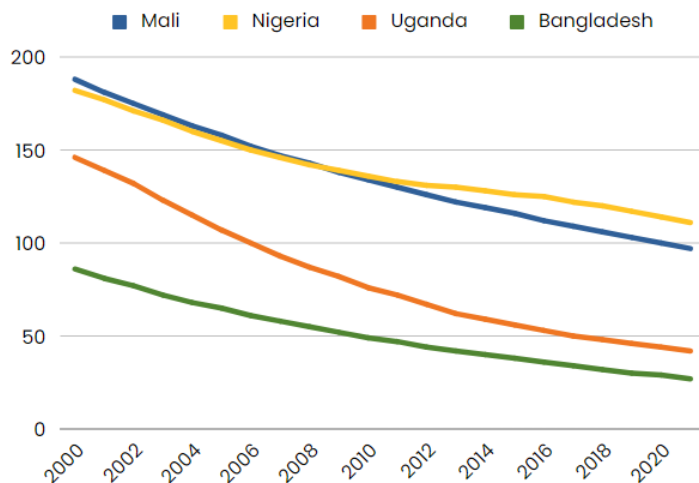
- Immunization coverage
- Equity
- Human resources
- Financing
- Policies
- Health systems structure



# Background

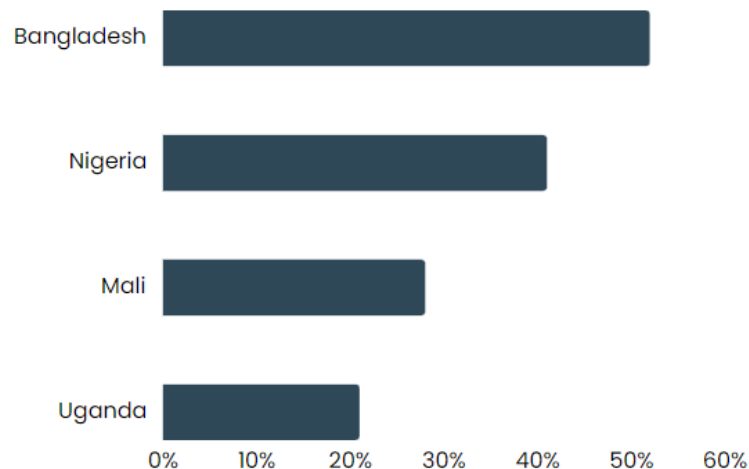
While mortality of children under the age of five years has decreased in each country over the last 20 years, vaccine-preventable deaths persist.

**Under 5 Mortality Rate Per 1,000 Live Births – Trends Between 2000 and 2021**



Source: United Nations Inter-agency Group for Child Mortality Estimation (2023).

**Percentage of Deaths in Children Under 5 that May be Vaccine-Preventable, 2019**



Source: IHME. GBD Results. Seattle, WA: IHME, University of Washington, 2020.



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# Findings

## Estimates of the Number of ZD Children

	WUENIC* (2022)		IHME** (2021)	
	Pental coverage	# of ZD children	Pental coverage	# of ZD children
<b>Bangladesh</b>	99%	29,406	100%	14,789
<b>Mali</b>	82%	160,626	76%	210,319
<b>Nigeria</b>	70%	2,271,265	74%	1,947,584
<b>Uganda</b>	94%	100,096	92%	131,328

\*WHO/UNICEF estimates of national immunization coverage

\*\*Institute for Health Metrics and Evaluation

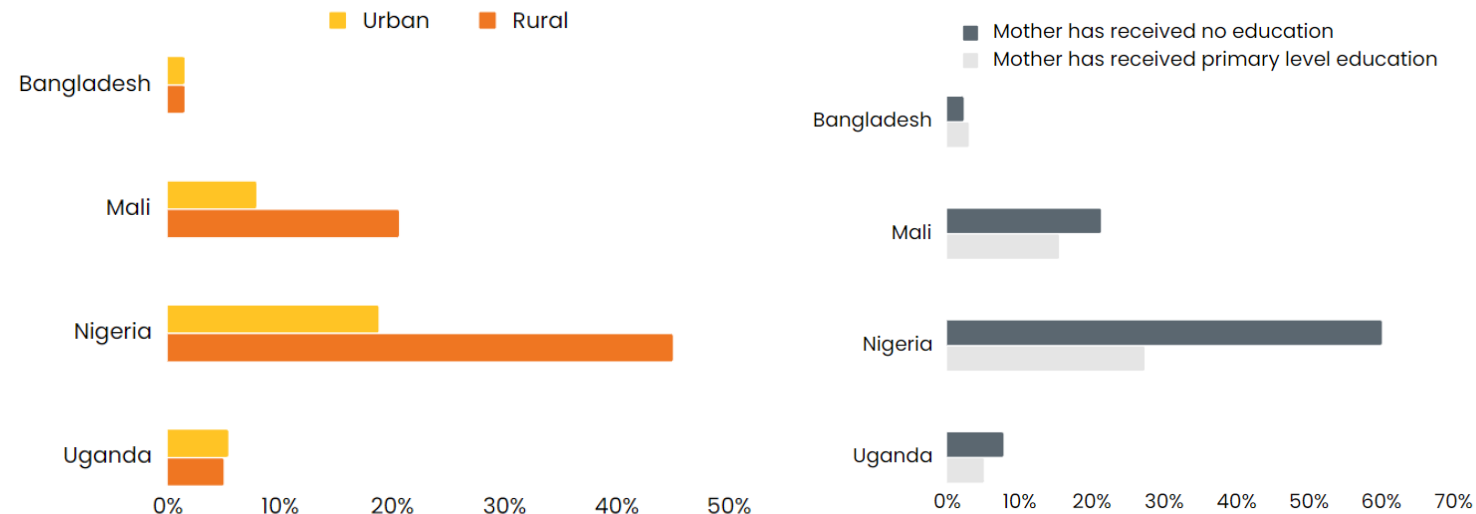


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# Findings

Sociodemographic predictors of ZD status vary widely across each of the four countries.

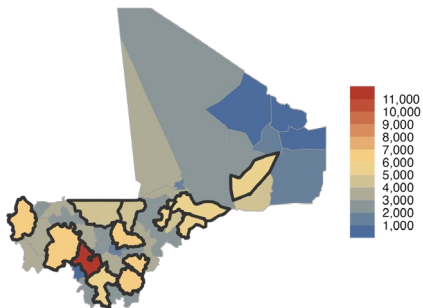
## Percentage of Children Ages 12–23 Months Who Did Not Receive Pental Vaccination by Sociodemographic Characteristic



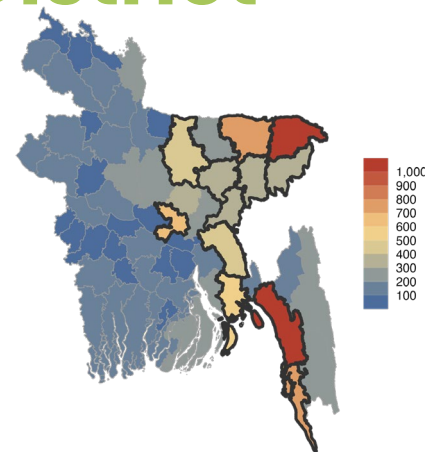


# Number of ZD Children by District

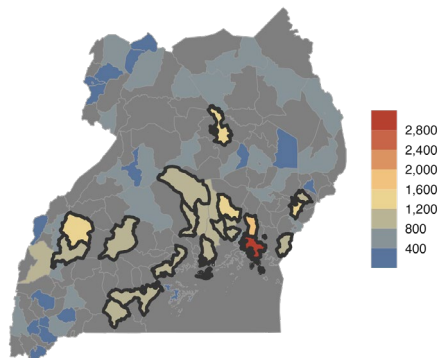
**Mali**



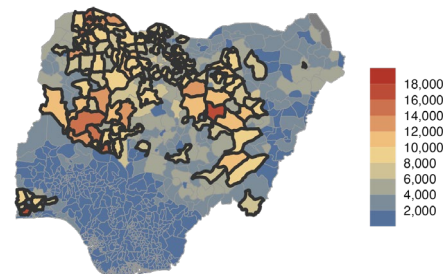
**Bangladesh**



**Uganda**



**Nigeria**





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# Questions



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# Thank You!

[elena\\_herrera@jsi.com](mailto:elena_herrera@jsi.com)

[pijush@iihmrdelhi.edu.in](mailto:pijush@iihmrdelhi.edu.in)