

1 Online Supplementary Material

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13 Appendix S1. Baseline data sources

14 Table 1. Bangladesh

Parameter	Value	Reference year	Source
Under-5 mortality rate (per 1,000 live births)	29.1	2021	UN IGME
Percent of post-neonatal deaths due to pneumonia (%)	16.66	2019	WHO-MCEE
Hib coverage (%)	98	2022	WHO/UNICEF Immunization Coverage Estimates
PCV coverage (%)	99	2022	WHO/UNICEF Immunization Coverage Estimates
Oral antibiotics for pneumonia coverage	34	2017	Bangladesh Demographic and Health Survey 2017-18.
Pox and oxygen for pneumonia coverage (%)	3.17	2021	Bangladesh DHIS2

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16 **Table 2. Chad**

Parameter	Value	Reference year	Source
Under-5 mortality rate (per 1,000 live births)	110.05	2021	UN IGME
Percent of post-neonatal deaths due to pneumonia (%)	28.05	2019	WHO-MCEE
Hib coverage (%)	58	2022	WHO/UNICEF Immunization Coverage Estimates
PCV coverage (%)	0	2022	WHO/UNICEF Immunization Coverage Estimates
Oral antibiotics for pneumonia coverage	17.6	2019	UNICEF Multiple Indicator Cluster Survey, 2019
Pox and oxygen for pneumonia coverage (%)	0.69	n/a	Mangipudi 2020 UNICEF Multiple Indicator Cluster Survey, 2019

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18 **Table 3. Ethiopia**

Parameter	Value	Reference year	Source
Under-5 mortality rate (per 1,000 live births)	48.71	2021	UN IGME
Percent of post-neonatal deaths due to pneumonia (%)	23.63	2019	WHO-MCEE
Hib coverage (%)	65	2022	WHO/UNICEF Immunization Coverage Estimates
PCV coverage (%)	61	2022	WHO/UNICEF Immunization Coverage Estimates
Oral antibiotics for pneumonia coverage	32	2019	Ethiopia Demographic and Health Survey 2016
Pox and oxygen for pneumonia coverage (%)	11.25	n/a	Ethiopia Demographic and Health Survey 2016 Ministry of Health Ethiopia. National Medical Oxygen and Pulse Oximetry Scale Up Road Map (2016-2020/21)

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