Every Newborn BIRTH multi-country validation study: informing measurement of coverage and quality of maternal and newborn care

Kangaroo mother care: EN-BIRTH multi-country validation study

Additional file 4: Routine register design in five EN-BIRTH study hospitals and data quality dimensions

		Bangladesh		Nepal	Tanzania	
		Azimpur **Tertiary**	**Kushtia** **District**	**Pokhara** **Regional**	**Temeke** **Regional**	**Muhimbili** **National**
Kangaroo Mother Care						
Register design:		specific KMC register	specific KMC register	non-specific newborn	specific KMC register	specific KMC register
Column heading		23 specific columns	23 specific columns	KMC partial or continuous	38 specific columns	38 specific columns
Data element completed if KMC initiated		entered in register	entered in register	tick	entered in register	entered in register
Data element completed if KMC not initiated		not entered in register	not entered in register	blank	not entered in register	not entered in register
Completeness	Data element recorded in register	100.0%	98.5%	93.0%	99.1%	98.8%
External Consistency						
Indicator:	Observed coverage %	100.0%	99.9%	99.9%	99.8%	99.5%
Indicator:	Measured coverage - register recorded %	100.0%	97.8%	21.2%	84.8%	85.2%
Measurement gap	Register recorded and observed	0.0%	2.1%	78.7% underestimate	15.0% underestimate	14.3% underestimate

Key

no column for data element
non-specific column for data element
specific column

>20%	Poor
16-20%	Moderate
11-15%	Good
6-10%	Very Good
0-5%	Excellent

Register design: specific column, non-specific column, no column
Data quality dimensions: completeness and external consistency compared to gold standard observation
Heat mapped showing cut-offs