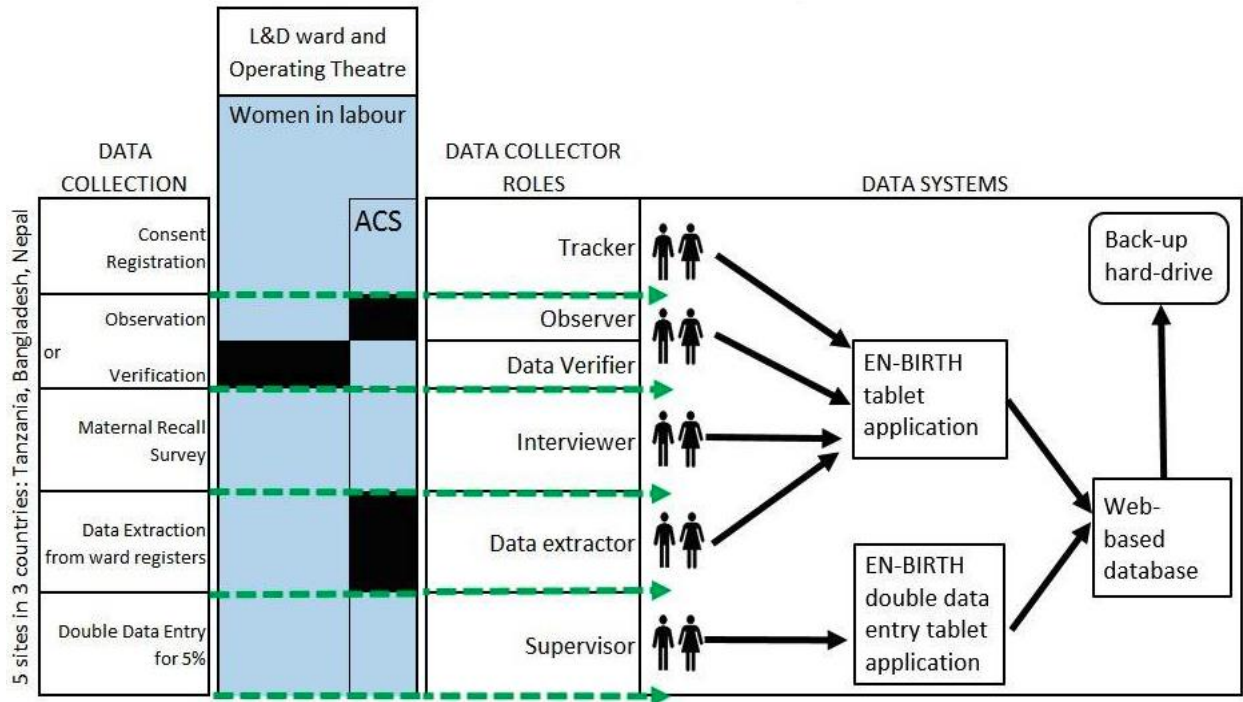


Every Newborn BIRTH multi-country validation study: informing measurement of coverage and quality of maternal and newborn care

Birthweight: EN-BIRTH multi-country validation study

Additional File 4: Data collection flow, EN-BIRTH study

EN-BIRTH study, overview of data sites



Adapted from EN-BIRTH protocol paper [1].

1. Day LT, Ruysen H, Gordeev VS, et al. "Every Newborn-BIRTH" protocol: observational study validating indicators for coverage and quality of maternal and newborn health care in Bangladesh, Nepal and Tanzania. *Journal of Global Health* 2019; 9(1).

With regards to documenting birthweight in the EN-BIRTH tablet application, the general flow of routine activities performed by health workers varies by site.

The flow of EN-BIRTH data collectors' activities are as follows:

A) Observer		
Description	Observer usually stands behind health worker to note down scale reading ("Weight in Gram" prompt) and type of scale.	
Tablet prompt	"Birthweight measured"	
Answer options	"YES"	If observer sees health worker weigh baby.
	"NO"	If observer does not see health worker weigh baby.
	"DON'T KNOW"	If observer is unsure of whether birthweight was measured or not.
B) Interviewer		
Description	Interviewer conducts survey to mothers whose baby's birth or treatment is observed and/or verified prior to discharge from postnatal ward. For multiple births the interview will be completed only for first-born babies.	
Tablet prompt	"Was your baby weighed at birth"?	
Answer options	"YES"	
	"NO"	
	"DON'T KNOW/DON'T REMEMBER"	
C) Data extractor		
Description	Data extractors will use routine labour/delivery registers to extract participant data recorded by facility staff. If data are illegible or cannot be found, supervisors will review/search for these documents, before documenting data not readable/not recorded.	
Tablet prompt	"Birth weight (grams)"	
Answer options	XXXX (enter numerical value)	
	"NOT READABLE"	
	"NOT RECORDABLE"	