Monitoring and assessing the impact of vaccination and other childhood interventions for both boys and girls

DATA COLLECTION MANUAL

Chakaria HDSS covers a population of 120,000 living in 21,000 households within the surveillance area. In first round, 4,903 children aged less than 3 years listed through household visit during July-September, 2011. All new pregnancies of 32,889 women are registered and followed-up until their pregnancy termination since July 2011 during quarterly . All live births are included in the child cohort of aged less than 3 years. A list generated from the database of children aged <3 years is used to record and update. The following exposure and outcome variables are collected using the form (Appendix B) .

Pregnancy

All new pregnancies are registered with conception date, pregnancy order, and planned pregnancy.

Care during pregnancy, delivery and after delivery

Antenatal care, birth attendant, methods of delivery, place of delivery, feeding right after birth, and breast feeding practices

Vaccination

In Bangladesh, EPI is implementing through various outreach centers and clinic-based activities with the aim to vaccinate all children before one reaches his/her first birth day. Information on vaccination card, date of vaccination, reasons for not vaccinated, attending campaign and sources of vaccination data are collected.

Morbidity and hospitalization

Morbidity and type of health care sought; date and causes of hospitalization

Causes of death

Causes of death are classified using verbal autopsy

Socioeconomic status of women

Education level and a list of assets are collected for all pregnant women during their registration in the database.

Appendix A. List of variables

Variables	Variable label Coding category							
Register fil	e (reg)							
id	Child ID							

sex	Sex of child	Boy - 1; Girl - 2									
db	Birth date of child										
en	Entry type	Birth – 1; In-Migration – 2									
den	Date of entry	, 0									
ex	Exit type	Death – 1; Out-Migration – 2; 3 years									
		follow-up completed – 3									
dex	Date of exit	•									
Vaccine file	e(vac)										
Id	Child ID										
bcgs	Measurement of scar (mm)	After 3 months of BCG vaccination									
		(during 1st visit)									
dbcg	BCG vaccination date										
dpv1	PV1 date										
dpv2	PV2 date										
dpv3	PV3 date										
dmsl	Measles vaccination date										
dopv0	OPV0 vaccination date (with										
_	BCG)										
dopv1	OPV1 taking date (with										
	PV1)										
dopv2	OPV2 taking date(with PV2)										
dopv3	Date of taking OPV with PV3										
dopv4	Date of taking OPV4 (with										
	Measles vaccine)										
dvita	Date of receiving vitamin A										
Visit file (v	ris)										
id	Child ID										
rn	Round number										
re	Respondent	Mother – 1 ; Other household member – 2									
dv	Date of visit										
hc	Have EPI card?	Yes - 1; No - 2									
SC	Seen card?	Yes - 1; No - 2									
vd	To whom vaccination date	Card – 1; respondent – 2									
	recorded?										
nc	Name of campaign										
ag	Antigen received from the										
	campaign										
dc	Date of campaign										
wnvbcg	Why not vaccinated – BCG										
wnvpv1	Why not vaccinated – pv1										
wnvpv2	Why not vaccinated – pv2										
wnvpv3	Why not vaccinated – pv3										
wnvmsl	Why not vaccinated –										
	measles vaccine										

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	wnmm	Why not measure muac?										

^{*}Documentation: Campaigns, shortage of antigens, cold chain maintain, epidemic, hospitalization for vaccination, vaccine reaction etc.

Appendix B. Data collection form

sw:					chakaria hdss sheet: child vaccination profile																			
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tiker tarikhe/muac/scar maper samoy: 1—boyosh hoini 2—bacha oassustha silo 3—baba-ma oasustha silo 4—tika dile jor ase/oshukh hoi 5—oloshota 6—tikar tarikh jana silaona 7—tika kendra dure 8—paribarik badha 9—tikar proyojon nai 10—bastota 11—bachha kanna kore 12—tika dite vule gese 13—bachha durbol 14—bachha choto (size) 15—kendra tika silo na 16—out-migration 17—sleeping 18—dead 19— bachha berattey gia silo 20—maptey daini 21—absent 22—tika newar smaoy hoini 23—epi kormi absent 24—bachha durbol bolay kendra theke tika deini 25—tika dite hoi kina janina 26—bcg+pv1+opv1 27—others 29— tikadan kormi daktey aseni 30—not vaccinated 31—no scar 32—oasposta 33—ghaa sukaini 60—vaccinated/muac niasey 77—dk