

Serial number_____

DATA COLLECTION TOOL

INSTRUCTION: TICK WHERE APPLICABLE

TABLE 1: SOCIO-DEMOGRAPHIC INFORMATION

A. Mother's information

SN	Variable	Response
1	How old are you? (age in years)	-----
2	What is your weight (Kgs)	-----
3	What is your height (cm)	-----
4	What is your marital status	1= Married 2= Single 3= separated/Divorced 4= widowed 5) = Others specify
5	What is your highest level of education	1= Non formal 2= primary 3=Secondary 4= Tertiary
6	What is your employment status	1= Employed 2= Not employed
7	How many children have you delivered	

B: Intrapartum condition

1	Did you deliver twins	1= Yes 2= No
2	Did your membranes rupture before onset of labour?	1= Yes 2= No
3	Did you deliver before term?	1= Yes 2=No
4	What was the mode of delivery	1= SVD 2=C/S 3= Instrumental delivery
5	How many hours did you take in active labour	
6	Did you hypertension in pregnancy	1=Yes 2=No
7		
8	Was labour Obstructed	1= Yes 2= No
9	Did you have bleeding before delivery	1=Yes 2=No
10	Did you attend ANC	1=Yes 2=No
11	How many times did you attend ANC	1=once 2= Two times 3=Three times 4=Four times Others specify.....
12	Where did you delivery from?	1= Hospital 2= At home 3= On my way to hospital

C: Characteristics and condition of Newborn at admission

1	New-born Sex	1) Male 2) Female
2	Birth weight (Kgs)	
3	Gestational age (weeks)	
4	What was the foetal presentation	1= Vertex 2= Breech
5	What was the colour of the liquor	1= Clear 2=Meconium stained
8		
9		

Immediate newborn care at admission

1	Is the new born referred from outside facilities	1= Yes 2= No
2	Has the new born been resuscitated	1= Yes 2= No
3	Has the new born been initiated to breastfeeding	1= Yes 2= No
4	What is the new born temperature at admission(oc)	
5	Has the new born received any fluids resuscitation	1= yes 2= no

D: Immediate outcomes of newborn with birth asphyxia at admission

1	Has the baby developed HIE	1=Yes 2= No
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2	What is the score of HIE	1= 0-10: HIE Mild 2= 11-14: HIE Moderate 3= $\geq$ 15: HIE Severe
3	What is the new-borns SPO2 (%)	
4	How many hours has the new born spent in NICU From time of admission?	
5	Has the new born been discharged	1=yes 2=No
6	Has the new-born died	1= yes 2= No

Immediate outcomes of newborn with birth asphyxia at 12hours

1	Has the baby developed HIE	1=Yes 2= No
2	What is the score of HIE	1= 0-10: HIE Mild 2= 11-14: HIE Moderate 3= $\geq$ 15: HIE Severe
3	What is the new-borns SPO2 (%)	
4	How many hours has the new born spent in NICU From time of admission?	

5	Has the new born been discharged	1=yes 2=No
6	Has the new-born died	1= yes 2= No

Immediate outcomes of newborn with birth asphyxia at 24 hours

1	Has the baby developed HIE	1=Yes 2= No
2	What is the score of HIE	1= 0-10: HIE Mild 2= 11-14: HIE Moderate 3= $\geq$ 15: HIE Severe
3	What is the new-borns SPO2 (%)	
4	How many hours has the new born spent in NICU From time of admission?	
5	Has the new born been discharged	1=yes 2=No
6	Has the new-born died	1= yes 2= No

Appendix VI: Tool

Thompson Score for Hypoxic Ischemic Encephalopathy

Plases use this form to score all live babies at admission , 12 hours and 24hours after delivery

Sign	0	1	2	3
Tone	Normal	Hyper	Hypo	Flaccid
LOC (level of consciousness)	Normal	Hyper alert, stare	Lethargic	Comatose
Fits	None	<3 per day	>2 per day	
Posture	Normal	Fisting/cycling	Strong distal flexion	Decelerate
Moro reflex	Normal	Partial	Absent	
Grasp	Normal	Poor	Absent	
Sucking reflex	Normal	Poor	absent± bites	
Respiration	Normal	hyperventilation	brief apnea	Intermittent Positive Pressure Ventilation (apnoea)
Fontanel	Normal	Full, not tense	Tense	

Indicate the assessment scores in the table below

Date				
Time(hours)				
Tone				
LOC				
Fits				
Posture				
Moro				
Grasp				
Suck				
Respiration				
Fontanel				
TOTAL Score				

Assessed by _____

Key

The final score sums the individual points

0-10: HIE Mild

11-14: HIE Moderate

≥15: HIE Severe