

2-CandidatePredictors

Predictors from literature review & expert opinion	Mapping to Neotree data (verbatim)
Risk factors	
Maternal fever >38°C in labor	“Tap all risk factors for sepsis present (some you have already asked about) these RFs will guide us on antibiotics” -> “Maternal fever in labour”
Prolonged rupture of membranes >18 hours	“When did the membranes rupture? (spontaneously or artificially)” -> “Did the membranes rupture?” -> “Yes” -> “How long between ROM and birth?” -> “>18 hours” “Tap all risk factors for sepsis present (some you have already asked about) these RFs will guide us on antibiotics” -> “PROM more than 18 hrs”
Foul smelling amniotic fluid	“Tap all risk factors for sepsis present (some you have already asked about) these RFs will guide us on antibiotics” -> “Offensive Liquor”
Gestation <32 weeks	“Gestation of the baby to the nearest week?” -> “Gestational age at birth (weeks)” -> <i>weeks (integer)</i>
Birth weight <1500g	“Look for birth weight in the obstetric record; Infants >24hrs old need a weight on the day of admission” -> “Birth Weight (g)” / “Admission Weight (g) (if different)” -> <i>grams (integer)</i>
Signs and symptoms	
Neonatal temperature >37.5°C	“Temperature (degs C)” -> <i>degrees Celsius (decimal, 1DP)</i>
Boil or abscess	“Examine the baby’s skin” -> “Big Boil / Abscess”
Grunting, severe respiratory distress or moderate to severely increased work of breathing	“Look at the baby. Can you see any of the following now?” -> “Grunting or severe chest indrawings” “Tap all that are present (more than one if necessary)” -> “Nasal flaring” / “Chest in-drawings” / “Grunting” “How severe is the work of breathing” -> “Mild” / “Moderate” / “Severe”
Lethargy	“How is the baby’s activity?” -> “Lethargic, quiet, decreased activity”
Umbilical redness or umbilicus draining pus	“Describe the umbilicus” -> “Red skin all around umbilicus”
Deep jaundice	“What colour is the baby?” -> “Yellow”
Tachypnoea >60 breaths per minute	“Tap the timer above to count the number of breaths in 30 seconds” -> <i>breaths per minute (integer)</i>

Convulsions, twitching or abnormal movements	“Look at the baby. Can you see any of the following now?” -> “Convulsions or twitchings”
	“How is the baby’s activity?” -> “Seizures, convulsions, or twitchings”
Many or severe skin pustules	“Examine the baby’s skin” -> “Pustules all over”
Bilious vomiting with severe abdominal distention	“Has the baby been vomiting” -> “Vomiting bright green”
	“Softly palpate the abdomen in all 4 quadrants” -> “Distended”
Bulging fontanelle	“Feel the fontanelle” -> “Bulging”
Not moving when stimulated	“How is the baby’s activity?” -> “Coma (unresponsive)”
Swollen red eyelids with pus	(No corresponding data collected by Neotree)
Central cyanosis	“Look at the baby. Can you see any of the following now?” -> “Central cyanosis”
	“What colour is the baby?” -> “Blue”
Pallor	“What colour is the baby?” -> “White”
Tachycardia >160 beats per minute	“Heart rate (beats/min)” -> <i>beats per minute (integer)</i>

DP = decimal place; PROM = prolonged rupture of membranes; RF = risk factor; ROM = rupture of membranes