

Coaching to increase availability of essential birth supplies for the WHO Safe Childbirth Checklist in Uttar Pradesh, India

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BetterBirth Program

- Checklist-based intervention
 - Coaching
 - Data feedback
- 120 facilities
- Uttar Pradesh (UP)
- Community Health Center
 Level

SAFE CHILDBIRTH CHECKLIST



1 7 9				
Instructions:	Mother's Temperature Fetal Heart Rate			
 Put the tick ☑ in appropriate box. Follow the information given on right side for 	or reference. Mother's Blood Pressure			
Does Mother need referral?	Defet FRUIT - Annual			
□ No	Refer to FRU if any of following danger signs are present and state reason on transfer note:			
	Vaginal bleeding Severe abdominal pain			
☐ Yes, organized	High fever History of heart disease or other major illnesses			
	blurred vision Difficulty in breathing Convulsions			
	CONTRACTOR			
Partograph started?	Start when cervix ≥4 cm,			
□ No, will start at ≥4cm	 Every 30 min: plot contractions, FHS, and maternal pulse Every 4 hours: plot temperature, blood pressure, and 			
☐ Yes	cervical dilation in cm (cervix dilates ≥ 1 cm/hr)			
Does Mother need:				
Antibiotics?	Give antibiotics to Mother if:			
□ No	 Mother's temperature >38°C (>100.4°F) 			
Yes, given	 Foul-smelling vaginal discharge Rupture of membranes >12 hrs without labor or >18 hrs with labor 			
L Tes, given	 Labor >24 hrs or obstructed labor 			
	 Rupture of membranes <37 wks gestation 			
Magnesium sulfate?	Give first dose and then refer immediately to FRU if Mother has:			
□ No	 If diastolic BP is ≥ 110 mm Hg and 3+ proteinuria Convulsions 			
☐ Yes, given	, a contrained			
What is HIV Status of Mother?	If mother is HIV positive :			
☐ Positive	Give Nevirapine			
☐ Negative	 If not available, refer the patient immediately after birth 			
☐ Status unknown, HIV test advised				
Are soap, water and gloves availab	ale?			
□ No				
☐ Yes, I will wash hands and wear glov	see for each vaginal evam			
L 155, I will wash hands and wear glov	oo lor oach yagilal oxalli			
☐ Presence of Birth Companion a	t birth encouraged.			
☐ Confirmed that Mother or	Call for help if any of:			
Companion will call for help	Bleeding Severe headache or blurred vision			
during labor if needed	Severe abdominal pain Difficulty in breathing Cannot empty bladder frequently			

WHO Safe Childbirth Checklist







Just before pushing



Within one hour after birth



Before discharge

30 essential birth practices:

Does Mother need referral?

- □ No
- Yes, organized

Confirm essential supplies are at bedside:

For Mother

- ☐ Gloves
- Soap and clean water
- ☐ Oxytocin 10 units in syringe
- □ Pads for Mother

For Baby

- ☐ Clean towel
- ☐ Sterile scissors / blade to cut cord
- □ Cord ligature
- ☐ Mucus extractor
- □ Bag-and-mask

Are soap, water and gloves available?

22 require supplies

- □ No
- Yes, I will wash hands and wear gloves for each vaginal exam

Does Baby need antibiotics?

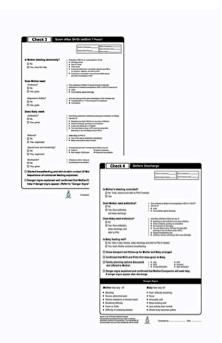
- □ No
- ☐ Yes: Give antibiotics, delay discharge, and
 - refer to FRU

BetterBirth Intervention: Birth

Attendant Level







Supplies, Uttar Pradesh, and BetterBirth

- Supplies: equipment, drugs, consumables, infrastructure
- Uttar Pradesh: central procurement system
 - State; District; Community
- BetterBirth: provided no supplies



Methods

- Coaching staff record availability and source of supplies in 8 intervention facilities
- Collected between Nov 2014 and Sept 2015
- Analysis: comparison means & proportions, logistic regression

Supplies in the labor room:		Yes, fi	No		
Soap	☐ facility supplies	☐ facility purchased	□ patient / family	□ other:	□ reason why:
Clean Water	☐ facility supplies	□ facility purchased	□ patient / family	□ other:	□ reason why:
Clean Gloves	□ facility supplies	□ facility purchased	□ patient / family	□ other:	□ reason why:
Clean Pads	□ facility supplies	☐ facility purchased	□ patient / family	□ other:	□ reason why:
Clean towel	□ facility supplies	□ facility purchased	□ patient / family	□ other:	□ reason why:
Mucus extractor	☐ facility supplies	☐ facility purchased	□ patient / family	□ other:	□ reason why:
Cord tie/ clamp	□ facility supplies	☐ facility purchased	□ patient / family	□ other:	□ reason why:
Sterilized blade/scissor	□ facility supplies	□ facility purchased	□ patient / family	□ other:	reason why:
Neonatal ambu bag & mask	□ facility supplies	□ facility purchased	□ patient / family	□ other:	reason why:

Results - Baseline Availability of Supplies

Facility	Coach Baseline (26 supplies)		
Α	65%		
В	73%		
С	77%		
D	65%		
E	73%		
F	100%		
G	65%		
Н	85%		
Avg. A-H	75.4%		

Results - Increased Availability of Supplies

- Average of 6 additional supplies were available at each facility.
- Additional supplies included:
 - infrastructure (e.g. water)
 - equipment (e.g. thermometer)
 - medicines (e.g. oxytocin)
- Where did the supplies come from?
 - Improving access to existing facility supplies
 - District supply or purchased by facility funds
 - Provided by patients and staff

How did coaches motivate the increase in supplies?



Does Mother need:

Antibiotics?

□ No

☐ Yes, given

Give antibiotics to Mother if:

- Mother's temperature >38°C (>100.4°F)
- · Foul-smelling vaginal discharge
- Rupture of membranes >12 hrs without labor
- Labor >24 hrs or obstructed labor
- Rupture of membranes <37 wks gestation

Broken, expired, or missing supplies?

Can we improve access to facility supply?

Could we request it from district or purchase from facility funds?

How else could we obtain a it?

Communicating and escalating issues of supplies

National Health Mission – Government of India

National Health Mission – Government of Uttar Pradesh

District: Chief Medical Officer Nodal Officer

Head of Facility, Labor & delivery leaders, Childbirth Quality Coordinator

Nurse/ANM/Other Staff

Childbirth Quality Coordinator & BetterBirth Team provides reports of progress and issues

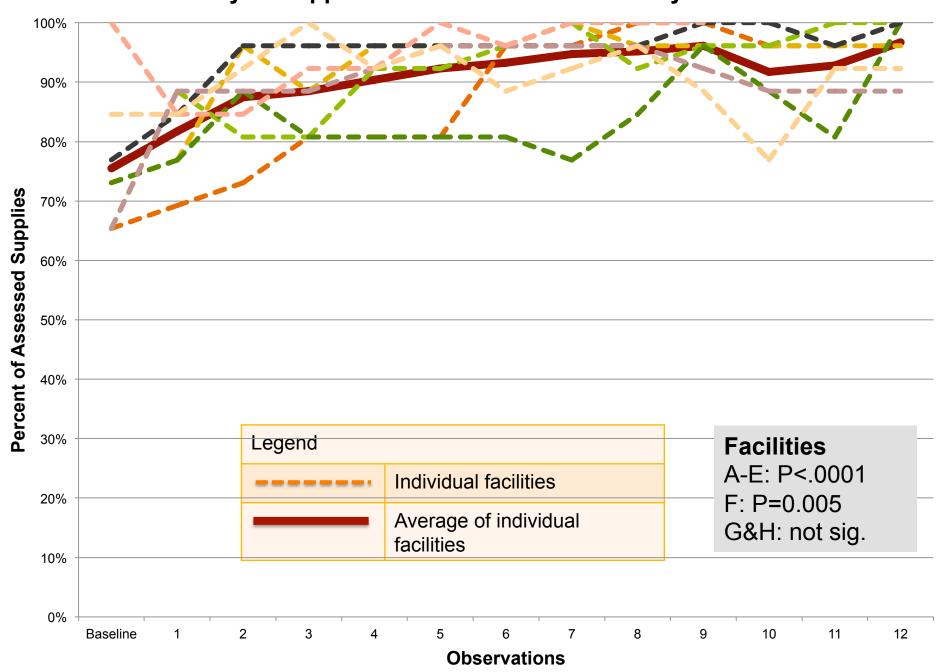
Senior coaches provide reports and identify issues

1-1 Coaching: identify issues of supply, problem solve, escalate

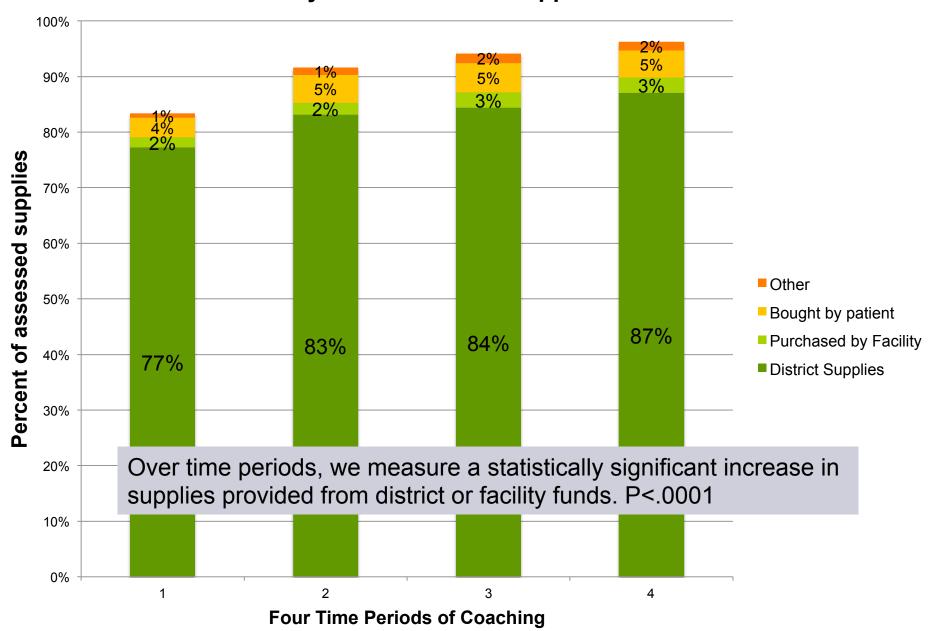
Heat map Intervention: Facility D



Availability of Supplies Over Time at Each Facility and Overall



Availability and Sources of Supplies Over Time



Coaching to increase supplies







Thank you!