

Supplement 1. HANDS at Birth Tool

Room (room where you are sitting)

- Labor room
- Antenatal rom
- Vaginal examination (VE) room
- Other room

Context (availability of equipment and in-charge presence)

- Drying materials available
 - None
 - Single use
- Soap available
 - None
 - At the sink
 - Not near the sink
- Water available
 - None
 - Basin pour
 - Tap in room
 - Tap in next room
- Gloves available
 - None
 - In the room
- Alcohol handrub available
 - None
 - In the room
- In charge
 - Yes
 - No

Birth attendant (BA) status in room

- BA leaves
- BA enters

Woman

- 1
- 2
- other
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8

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- 9
- 10
- 11
- 12

Touched

- Macintosh/kanga (bed cover)
 - With body fluids
 - Clean
 - Not clean
 - Don't know
- Equipment (for delivery)
 - Sterile
 - With body fluids
 - After decontamination up to sterilization (any)
 - Don't know
- Other sterile/clean (e.g., cotton swabs)
- Body fluids–contaminated objects
 - Carry away placenta
 - Cloth for cleaning the bed
 - Other
- Objects (other)
 - Register, paper, or pen
 - Bag
 - Bin
 - Patient bed
 - Trolley
 - Tap
 - Phone
 - Mop or other cleaning material
 - Gloves pack
 - Own body
 - Other (unclean)
- Patient (woman or baby) (everything but inside legs and perineal area)

Delivery

- Delivery
 - Normal
 - Vacuum
- Kit
 - Premade or collected prior to delivery
 - Passed by colleague
 - Made along the way
 - Not seen

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- Fast
 - Yes
 - No

- Workload
 - Working alone
 - 1 assistant
 - 2+ assistants

- Complicated (if you suspect the woman is having a complication, unless it is obvious, confirm with BA first)
 - No complications
 - Breech delivery: comes out with the buttocks or feet
 - Prolonged labor (ask BA): 12 hours for prima gravida, and 8 hours for multipara
 - Hemorrhage (antenatal): excessive blood loss (>500 mL); confirm with BA
 - Pre-eclampsia/eclampsia (ask BA): high blood pressure (>140/90 on 2 occasions or >160/110) plus either 1+ protein on urine dip or cerebral/visual disturbance (e.g., severe headache/reduced conscious level/blurred vision); or seizure attributable to pre-eclampsia (confirm with BA)
 - Baby floppy and blue
 - Premature rupture of membrane: ask the BA
 - Induction/augmentation: process to induce/speed up labor using drugs
 - Other (e.g., fever)
 - Not able to determine

Other procedures

- Vaginal examination
- Cord clamping and cutting
- Wiping/cleaning vagina
 - Clean material
 - Unclean material
 - Not seen

- Other
 - Catheter
 - Manual removal of placenta
 - Suturing
 - Intravenous (IV) fluids (insertion or removal)
 - IV blood line (insertion or removal)
 - Breaking amniotic membranes
 - Nasal suction (newborn)
 - Episiotomy
 - Newborn resuscitation—bag and mask
 - Changing IV bag
 - Adjusting IV line

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- Vital signs
 - Supporting breastfeeding
 - Injection
 - Wiping baby
- Cord traction
- Postdelivery exam (checking for tears)

Hand washing

- Duration
 - 1–9 seconds
 - ≥ 10 seconds
 - Not seen
- Soap
 - Yes
 - No
 - Not seen
- Behind fingers
 - Yes
 - No
 - Not seen

Drying

- Single use
- Other
 - Reusable
 - Own gown
 - Air
 - Other
 - Not seen
- None

Hand rubbing

- Duration
 - 1–9 seconds
 - ≥ 10 seconds
 - Not seen
- Behind fingers
 - Yes
 - No
 - Not seen

Gloves

- Action
 - Add
 - Remove
- Status
 - One hand

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- Both hands
- Bare hands