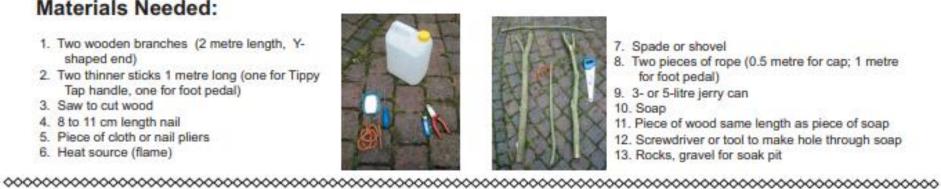
## **HOW TO BUILD A TIPPY TAP FOR HAND WASHING**

## Counselling Card

## Materials Needed:

- 1. Two wooden branches (2 metre length, Yshaped end)
- 2. Two thinner sticks 1 metre long (one for Tippy Tap handle, one for foot pedal)
- Saw to cut wood
- 4. 8 to 11 cm length nail
- 5. Piece of cloth or nail pliers
- 6. Heat source (flame)





- Spade or shove!
- 8. Two pieces of rope (0.5 metre for cap; 1 metre for foot pedal)
- 9. 3- or 5-litre jerry can
- 10. Soap
- 11. Piece of wood same length as piece of soap
- 12. Screwdriver or tool to make hole through soap
- 13. Rocks, gravel for soak pit

## How to Build a Tippy Tap:

Mark hole. Select clean, empty 3-litre or 5litre plastic container. Mark location for hole, about 12 cm below cap.



Heat the nail. Hold the nail with a pair of pliers or a cloth, and heat the nail with any flame.



Make holes. With hot nail, make hole in container, and second hole in cap.

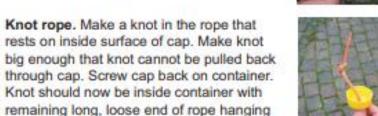


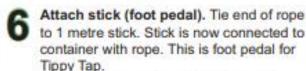
Instructions adapted from, "How to Make a Tippy Tap A hygienic handwashing device with running water.

Authors/Photos Mark Tiele Westra. Werkgroep Ontwikkelings Technieken (WOT); University of Twente, the Netherlands; Henk Holtslag Connect International.



Insert rope. Put longer piece of rope (1 metre) through hole in cap. Start by putting end of rope through outside surface of cap so loose end of rope ends up on inside of cap.





outside container.

Note-You can adjust the length of the rope, if needed, during Step 11.









Make hole through soap. Using tool (e.g. screwdriver, stick), make hole through soap by slowly rotating and pushing tool through the soap.



piece 🚜

Insert rope. Put shorter, second piece of rope (.5 metre) through hole in soap and tie to short stick or piece of wood.



9 Fill container. Fill container with water, up to level of hole.



10 Put poles in ground. Decide best place to put Tippy Tap. Should be where frequent hand washing should take place (near a latrine or kitchen). With shovel or spade, make two holes in ground to depth of 50 cm. Place poles about 70 cm apart. Put poles in holes and pack soil around them.



11 Hang jerry can, foot pedal stick, and soap rope.

- Put stick through handle of jerry can, and put stick between two poles. Jerry can should now be hanging from stick.
- Tie rope with soap near jerry can so it is hanging from stick. (If no soap available, use container to hold ash).
- Make sure rope for foot pedal is adjusted so that one end of stick/foot pedal hangs about 15cm above ground and other end of stick rests on ground.



12 Make soak pit. Make hole (40x40cm and 20cm deep) under jerry can where water will fall). Fill hole with rocks. This is a soak pit that keeps Tippy Tap from becoming mud hole, mosquito breeding place.



Push stick down with foot. This tips container, which makes water run out of hole. Wet hands and release stick. Apply soap (or ash) to hands. Push stick down again and rinse hands.



- is always ready for use.

  2. Wash inside and outside of tippy tap weekly
- Wash inside and outside of tippy tap weekly or sooner if it looks dirty.
- 3. Replace soap (or ash) when used up.
- Replace wooden sticks over time to prevent collapse.





