

MOBILE HEALTH CARE CONTAINER UNIT

1 General description

The delivery room and treatment unit are built in a 20 ft shipping container that will be placed on the truck. The unit is coated with medical floors and walls and provided with all the essential facilities such as air conditioning/heater, potable water treatment, toilet & shower and furniture. Furthermore, essential medical equipment like an ultrasound machine, sterilizer and vacuum aspiration will be provided. An asset of this container compared to other health care solutions is the ability to quickly deploy and retract the facility, making it suitable for the accurate humanitarian emergency.



Assets of the Container are:

- Solution to *obstructed access*: Container is flexible, easy to deploy and self-sufficient.
- Solution to *poor quality care*: All essential equipment is provided.
- *Surplus value*: Dual use for multiple purposes to reduce moral and cultural shame of victims of GBV.

General specifications

Insulated (6 cm PU, $R_c = 2,8$) and easy to clean walls

Medical floor with round vertical edges for easy cleaning

Electrical system: 220V, Power sockets, equipped with Ground Fault Circuit interrupter and automatic fuses. 6 KVA diesel generator

Overpressure by mechanical ventilation

2 step air-filtering including G4 and F7

AC for cooling and heating

Fridge (150L) for medicines

Cupboards (> 2 m³) for storage in different rooms

Architecture

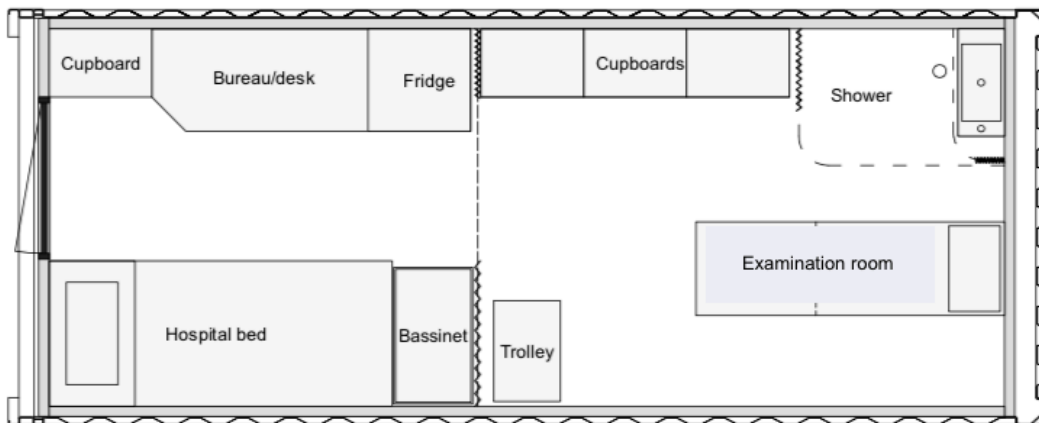
Based on the requirements of an obstetric facility¹, different rooms will be needed in the clinic:

- Waiting room
- Recovery or treatment room
- Examination room





To reduce space, the waiting room and the recovery/treatment room are combined (Outside, two foldable benches can be placed to extend the waiting room). Thus, two separate rooms are created: one that can be used as examination room, which will also include a shower, and another room where the patient can wait. This last room can also be used for treatment.



By having the clinic room in the back of the container, will have complete visual privacy, one of the main requirements set out by the WHO . Auditory privacy is obtained by using a container instead of a tent. If multiple women will give labour at the same moment, the hospital bed can be used as well.