



# Controlled Temperature Chain (CTC) approach

## Panel discussions

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# What is Controlled Temperature Chain (CTC)

- CTC allows vaccines, for which there is on-label guidance, to be stored and transported at T° outside the traditional 2°C to 8°C cold chain for limited periods of time, under monitored and controlled conditions.
- Using a CTC, the MenAfriVac<sup>®</sup> meningitis A vaccine and its diluent can be removed from the 2°C to 8°C cold chain, immediately before use, for a single period of time not exceeding four days.

# What is Controlled Temperature Chain (CTC)

- During this period it can be stored, transported and administered at temperatures up to 40°C.
- In order to monitor temperatures during CTC, vaccinators and health-care workers must use a peak threshold indicator card, placed inside the vaccine carrier; this indicator will inform teams and staff if the peak temperature of 40°C has been reached.

# CTC Scenarios

- 3 scenarios were used in the CTC districts
  - Scenario 1: was applicable to health centers without cold chain, but located close to the district center. District has a low capacity to produce ice packs;
    - CTC begins at the district level
  - Scenario 2: was appropriate for health facilities without cold chain, but the District has a good capacity to produce ice packs
    - CTC starts at the health center
  - Scenario 3: was applicable in health facilities with a functional cold chain.
    - CTC starts at the health center

# So what

- ++ Microplaning to determine resources need and the the best scenario to be used
- ++ Detailed circuit of each vaccination team to be complete aty least one week before the cainpagn
- ++ The implementation of the CTC in the districts helped solve MenA vaccine storage problem in health centers without refrigerators
- ++ If well implemented, CTC lead to time and resources saving

# Lessons learnt

- ++ There was no significant difference in vaccine wastage between CTC areas compare to non CTC areas.
- ++ Togo did not experience more AEFIs in CTC districts compared to non CTC district .
- ++ Good acceptance and enthusiasm for CTC by health workers
- ++ No confusion in CTC districts during other vaccination campaigns