HOW DO **CTC** AND **ECTC** RELATE TO EACH OTHER?

8° C and higher \rightarrow \cdots

2°C to 8°C ECTC EXTENDED CONTROLLED

Regulatory requirements for licensure

TEMPERATURE CONDITIONS

Apply to thermostable vaccines that are able to tolerate **a specified temperature above 8°C** for **a specified number of days**

Independent of specific programmatic requirements

For more information on ECTC: www.who.int/biologicals/areas/vaccines/ectc

CONTROLLED TEMPERATURE CHAIN Programmatic requirements for field implementation

40°C and higher \rightarrow

Applies to thermostable vaccines that are able to tolerate temperatures of **at least 40°C** for a **minimum of three days**

WHO provides support through **guidance**, **training**, and **supervision**

For more information on CTC: www.who.int/immunization/programmes_systems/supply_chain/ctc