

# THERMO REGULATION

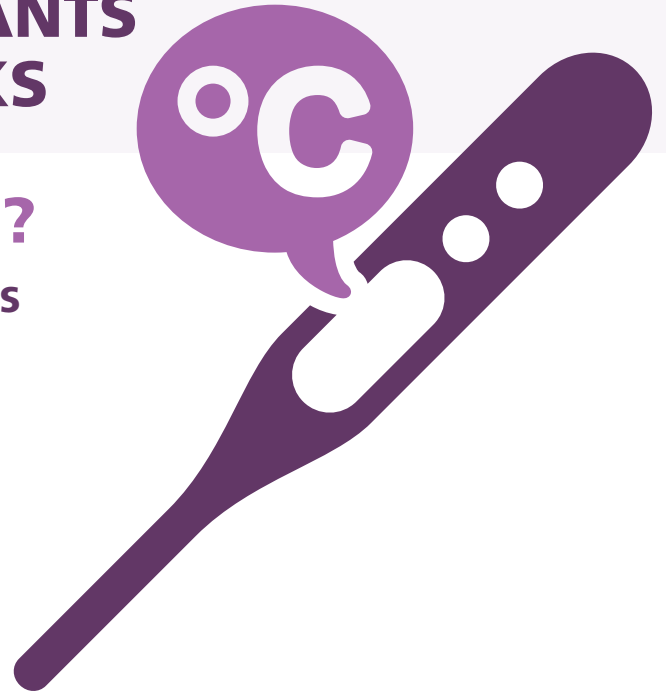
FOR PRETERM INFANTS  
BORN <34 WEEKS



## WHY DOES IT MATTER?

Hypothermia in preterm infants  
increases risk of:

- **increased risk of death**
  - hypoglycaemia
  - metabolic acidosis
- respiratory distress and acidosis
  - necrotising enterocolitis
  - coagulation defects
- intraventricular haemorrhage



McCall et al 2018



**FOR EVERY 1 DEGREE DECREASE IN  
ADMISSION TEMPERATURE  
MORTALITY INCREASES BY 28%**

Laptook et al 2007

**IMPROVE TEMPERATURE BY:  
PUTTING IN A PLASTIC BAG**



**REAL TIME TEMP MONITORING  
DURING RESUSCITATION**

**PUTTING A HAT ON  
+ WRAP UP WARM**



**USE BAPM + QI TO INVESTIGATE  
HYPOTHERMIA + IMPROVE OUTCOMES**

[www.bapm.org/pages/105-normothermia-toolkit](http://www.bapm.org/pages/105-normothermia-toolkit)