

# UNDER 34°C IN LESS THAN 4 HOURS

ZOLL®



## IVTM System Thermogard XP®

Available from



Call 01782 637009 for  
system details and ordering



The patient experiences a significant out-of-hospital event. A call is placed to EMS. The clock begins.

ONSET



At approximately 14 minutes, the ambulance arrives and the paramedics start to assess and administer care to the patient.

30 MIN\*



The patient is rushed to hospital via ambulance.

1 HOUR\*



The critical care team works to stabilize the patient. They place a multi-function triple lumen catheter and input the target temperature into the Thermogard® XP control panel.

1:30 HOUR\*



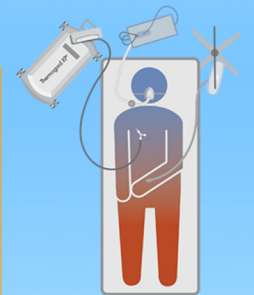
Approximately 7-14 minutes later, Emergency Services arrive and initiate treatment.<sup>2</sup>



The patient is prepared for transport to the hospital.



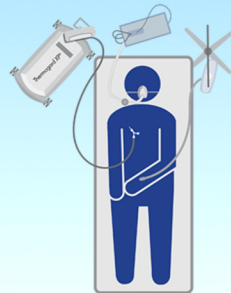
The patient is admitted to the ED.



The intravascular cooling process begins as venous blood passes over catheters in which cooled saline is being circulated.

2 HOURS\*

The rapid cooling offered by TGXP reduces shivering and limits the need for sedation and paralytics.<sup>4</sup>



Target temperature is achieved in as little as 45 minutes.<sup>2</sup> Once target temperature is reached, TGXP continuously monitors and adjusts to maintain within  $\pm 0.2^\circ\text{C}$  100% of the time.<sup>12, 48</sup>

2:30 HOURS\*

3 HOURS\*

3:30 HOURS\*



**Thermogard XP®**  
Intravascular Temperature Management System  
Inclusion in the ICECAP study mandates that patients are cooled to less than 34°C within four hours of the event.