

## PR30: Out-of-Hospital Blood Administration

### Applicable To

- CCP only

### Indications

- Traumatic injury and:
  - Early Blood Transfusion Needs (EBTN) score of  $\geq 5$ ; **or**
  - Active hemorrhage **and** hemoglobin  $< 70$  g/L.
    - Hemoglobin  $< 90$  g/L in patients with symptoms of active acute coronary syndrome.
- Patient age  $\geq 12$ .

### Contraindications

- Refusal of blood product administration.
- Isolated penetrating head injury.

### Procedure

1. Complete pre-transfusion bloodwork (group and screen, epoc® BGEM Test Card).
  - If clinically appropriate
2. Consider tranexamic acid.
3. Correct hypothermia.
  - Prevent further heat loss by using warmed IV fluids, chemical blanket, etc.
4. Consult with EPOS.
  - If EPOS is unavailable, consider contacting the receiving hospital directly.
  - Blood is not to be transfused without physician consultation.
5. Administer 1-4 units PRBCs to clinical response.
6. Declare **TRANSFUSION** to the receiving emergency department.

### Notes

Early Blood Transfusion Needs (EBTN) Score

Risk Factors	Score
<b>Age (years)</b>	
0-55	0
56-70	1
> 70	2
<b>Type of Injury</b>	
Penetrating	2
Non-penetrating	0
<b>Pulse (beats/minute)</b>	
< 60	-4

60 - 119	0
> 120	3
<b>Systolic BP (mmHg)</b>	
< 90	7
> 90	0
<b>Glasgow Coma Scale</b>	
3 - 8	3
9 - 13	1
14 - 15	0

