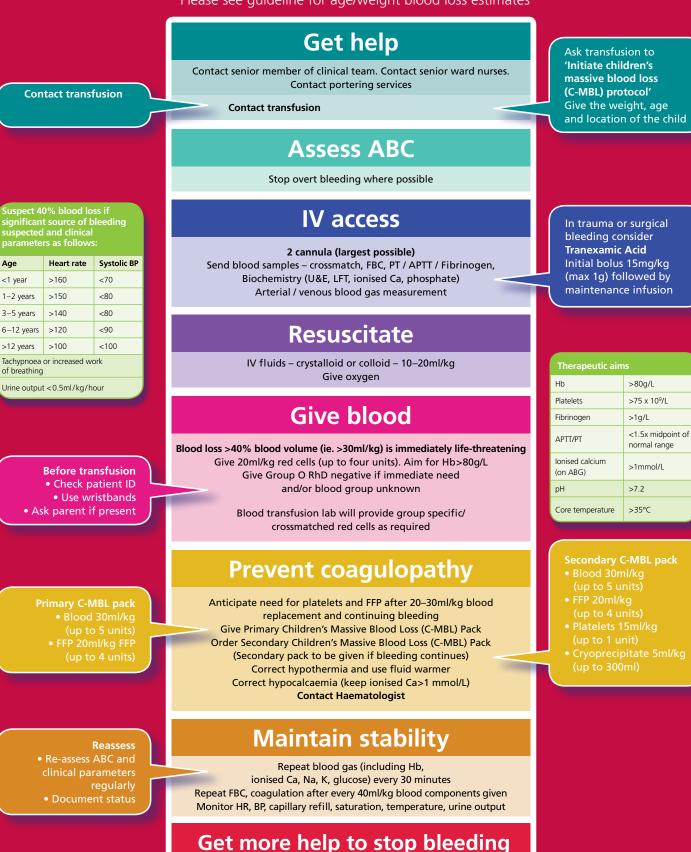
## Massive blood loss in children

## >80 ml/kg 24 hours >40 ml/kg in 3 hours >3 ml/kg/min

\*Please see guideline for age/weight blood loss estimates



Contact paediatric surgeons, paediatric gastroenterologists, PICU, radiology as appropriate

Age

<1 year

## Massive blood loss (C-MBL) packs for children

Red cells	Use O RhD negative until group is known – then use ABO and RhD suitable Move to crossmatch compatible as soon as all investigations are complete Consider age of patient to inform component specification (eg. paediatric red cells)		
Platelets	Use group A High Titre Negative (HTN) until group is known – then use ABO suitable (A HTN for AB patients) Use apheresis if possible		
Fresh frozen plasma	Use group AB until group is known – then use ABO suitable <b>Order of preference:</b> 1. Non-UK methylene blue treated (MB-FFP) 2. Octaplas (SD-FFP) 3. Standard FFP		
Cryoprecipitate	yoprecipitateUse group A until group is known – then use ABO suitable (A for AB patients)Order of preference: 1. Non-UK methylene blue treated cryoprecipitate 2. Standard cryoprecipitate		

For platelets, FFP and cryoprecipitate Avoid Group O for non-O patients where possible				
	Weight			
	< 10kg	< 10-40kg	> 40kg	
Primary pack	2 x Red cells 2 x FFP (~400ml)	4 x Red cells 4 x FFP (~800ml)	5 x Red cells 4 x FFP	
Secondary pack	2 x Red cells 2 x FFP (~400ml) 1 x Adult platelet dose 3 x MB Cryoprecipitate (~50ml) or 1 adult pool	4 x Red cells 4 x FFP (~800ml) 1 x Adult platelet dose 10 x MB Cryoprecipitate (~160ml) or 2 adult pools	5 x Red cells 4 x FFP 1 x Adult platelet dose 10 x MB Cryoprecipitate (~160ml) or 2 adult pools	