

Blood component therapy

Massive transfusions

Definition: [replacement](#) of > 1 blood volume (in average adult ≈ 20 U) in < 24 hrs for adults, or $> 2 \times$ circulating blood volume in peds, may cause dilution of effective platelets and [coagulation factors](#), which requires [platelet transfusion](#) and [fresh frozen plasma](#) (FFP). When operating on a pediatric patient, you can usually safely replace up to $1.5 \times$ the circulating blood volume before problems with [coagulopathy](#) ensue.

Blood component therapy required for massive [transfusions](#):

[Red blood cell](#) therapy

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