

Transfusion Services	
RISKS OF TRANSFUSION	
Infectious Risks	Risk per Unit Transfused
HIV-Human Immunodeficiency Virus	1 in 2,300,000
HCV-Hepatitis C Virus	1 in 1,800,000
HBV-Hepatitis B Virus	1 in 220,000
Sepsis/Death	1 in 1,000,000
HTLV-Human T-lymphotropic Virus	1 in 3,000,000
Other Infections (Protozoa, Rickettsia)	< 1 in 1,000,000
Non-infectious Risks	Incidence
Acute Hemolytic Transfusion Reaction	0.016%
Febrile, Non-Hemolytic Transfusion Reaction	0.1 – 1.0%
Delayed Hemolytic Transfusion Reaction	1 in 2,500 – 11,000
Allergic Reaction-hives, rash, itching	1 – 3%
Anaphylactic Reaction	1 in 20,000 – 50,000
Transfusion Related Acute Lung Injury - TRALI	1 in 5,000 – 190,000
Mis-Transfusion (failure to give the right product to the right patient at the right time for the right reason)	1 in 6,000 – 20,000
Transfusion Associated Graft vs. Host Disease- TAGVD	Rare
Circulatory Overload/Cardiac Toxicity	<1%
References:	
Technical Manual, Current Edition, Bethesda MD, AABB	