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Infectious agent routinely tested by blood centers	Estimated residual risk per component transfused
Human Immunodeficiency Virus	~ 1:1,930,000 One case reported in US since 1999, donor had viral load of <150 copies of RNA/mL
Hepatitis C Virus	~<1:1,000,000
Hepatitis B Virus	~1:137,000-220,000 or less HbsAg 3.0 licensed 2003
Human T-cell Lymphotrophic Virus	~1:641,000
Syphilis	Unknown, No cases reported since 1969
West Nile Virus	Unknown, ~ 6 probable cases have been reported nationwide since July 2003 (CDC)
BB Stramer SL (ed.) Strong	Blood Safety in the New Millennium. AABB 20 DM, Katz L. Trends Mol Med. 2002 Jul;8(7):355















Person(s) at Risk	Type of Risk from Drug	Example
Donor center staff and other donors	May influence donor behavior, affecting, in turn, others in the immediate environment (non-recipients of transfusion).	Recent use of methamphetamine or ethanol may cause aberrant, violent behavior.
Donor	May interfere with testing or processing.	Recent hepatitis B vaccination may cause a biologic false-positive screening test for hepatitis B surface antigen.
	Is a marker for donor condition with donor risk.	Continuous oxygen required for severe emphysema puts the donor at increased risk for cardiovascular complications.





	Table 5-2. Drug Categories Addressed by the DHQ 2.0 and Associated Generic Drug Names*
	<ol> <li>Medications used to treat infection</li> <li>Anti-platelet agents:         <ul> <li>COX-1 and COX-2 inhibition (aspirin, piroxicam)</li> <li>P2Y<sub>12</sub> inhibition (cangrelor, clopidogrel, prasugrel, ticagrelor, ticlopidine, vorapaxar)</li> <li>PAR-1 antagonist family (vorapaxar)</li> </ul> </li> <li>Anticoagulants:         <ul> <li>Vitamin-K antagonist (warfarin)</li> <li>Antitrombin activator and variable thrombin inhibition (heparin family)</li> <li>High molecular weight (unfractionated heparin)</li> <li>Low molecular weight (dateparin, enoxaparin)</li> <li>Fondaparinaux (fondaparinux)</li> <li>Novel Oral Anticoagulants (NOACs)</li> <li>Direct Factor Xa inhibition (apixaban, edoxaban, rivaroxaban)</li> <li>Direct Thrombin inhibition (dabigatran)</li> </ul> </li> <li>Medications with risk of teratogenicity or fetal harm used to treat a variety of conditions, such as acne, male-patterned baldness, prostatic hypertrophy, cancers, multiple sclerosis, and psoriasis:         <ul> <li>DNA transcription alteration (actiretin, etretinate<sup>a</sup>, isotretinoin<sup>#</sup>)</li> <li>Type II 5a-reductase inhibition (sonidegib, vismodegib)</li> <li>Hergituis B immune globulin, numan derived (HBIG)</li> <li>Growth hormone derived from human pituitary glands</li> <li>Browin insuling from the distration manufacture of the labed form habvene 1980 and 1996</li> </ul> </li> </ol>
	<ul> <li>6. Medications with unknown risk:</li> <li>• Experimental or unlicensed vaccine</li> </ul>
BB.	*Revised November, 2017. See AABB Web site for the current version (www.aabb.org≻Transfusion Medicine>Donor History Questionnaires>Blood Donor History Questionnaires). * removed in US September 23, 1999. # voluntarily removed in US June 2009, still marketed in generic form as of 2018.













































