

**Component Transfusion Reaction Summary Report for
the Province of BC**

Data Source: Central Transfusion Registry

Date Range:

01-Jan-2010 to 31-Dec-2010

About this Report:

- This report provides the count of each type of transfusion reaction per component product group, the number of recipients involved and the rates of reactions.
- Reaction ratios are determined as reactions per units transfused.
- Only the product most likely implicated in a transfusion reaction is reported.
- Recipient transfusion reactions are sub-totaled by product and a recipient is counted once per product group. If a recipient experienced reactions to multiple products they will be counted once for every product group, but counted only once in the total column.
- Only reaction types that are reported in the time period and have a concluded case status are included.
- Only reactions with known associated products are included in this report.

Current Data Caveat(s):

- These reports are meant to be interpreted in the context of the facility, health authority, reaction reporting practices and transfusion practices. Not viewing these reports in context may result in mis-interpretation; for example, a proportionately lower number of transfusion reactions on the weekend may indicate lack of reporting or simply fewer transfusions on weekends. Denominator data in the Summary Reports includes transfusions and/or transfusion events for the Health Authority or Province in CTR at the time of running reports. If not all facilities participate in TTISS reporting, the rates may appear artificially low.

	RBC/WB	FP/Plasma	PLTA	PLT/PLTP	Cryo	Total
Acute Hemolytic Reaction	2 1:66619	0 N/A	0 N/A	0 N/A	0 N/A	2 1:89331
Allergic Minor	67 1:1989	35 1:724	26 1:193	58 1:163	0 N/A	186 1:961
Anaphylactic Shock	1 1:133238	0 N/A	0 N/A	0 N/A	0 N/A	1 1:178662
Delayed Hemolytic Reaction	4 1:33310	0 N/A	0 N/A	0 N/A	0 N/A	4 1:44666
Delayed Serological Transfusion Reaction	23 1:5793	0 N/A	1 1:5005	1 1:9428	0 N/A	25 1:7146
Febrile Non-Hemolytic	324 1:411	10 1:2534	22 1:228	27 1:349	0 N/A	383 1:466
Hypotensive Reaction	4 1:33310	0 N/A	0 N/A	2 1:4714	0 N/A	6 1:29777
Other	46 1:2896	2 1:12670	2 1:2503	2 1:4714	0 N/A	52 1:3436
Severe/Anaphylactic/Anaphylactoid	3 1:44413	1 1:25339	0 N/A	0 N/A	0 N/A	4 1:44666
TACO	19 1:7013	3 1:8446	0 N/A	1 1:9428	0 N/A	23 1:7768
TAD	1 1:133238	0 N/A	0 N/A	1 1:9428	0 N/A	2 1:89331
Unknown	2 1:66619	0 N/A	0 N/A	0 N/A	0 N/A	2 1:89331
Total Reactions Reported	496	51	51	92	0	690
Total Units Transfused	133238	25339	5005	9428	5652	178662
Frequency of Reaction per Unit Transfused	1:269	1:497	1:98	1:102	N/A	1:259

Recipients with a Reaction	470	49	48	80	0	619
Recipients Transfused	27147	5215	1464	2806	499	28832
Frequency of Reaction per Recipient	1:58	1:106	1:31	1:35	N/A	1:47

Component Product Transfusion Reactions in the Last 5 Years

