Red Cell Inventory – Canadian Blood Services (Data current as of August 11, 2016)

*** Green phase includes green advisory.**

RBC Inventory Level	*CBS Days On Hand*	*CBS # Units on Hand*
Green Phase (minimal decrease to optimal)	>72 hours	>8,322
Amber Phase (serious)	48 – 72 hours	5,548-8,322
Red Phase (critical)	< 48 hours	<5,548

RBC Inventory Level	*CBS Days On Hand*	*CBS # Units on Hand*	
Green Phase (minimal decrease to optimal)	>72 hours	O pos: >3,135	O neg: >924
		A pos: >2,442	A neg: >576
		B pos: >762	B neg: >198
		AB pos: >207	AB neg: >78
Amber Phase (serious)	48 – 72 hours	O pos: 2,090-3,135	O neg: 616-924
		A pos: 1,628-2,442	A neg: 384-576
		B pos: 508-762	B neg: 132-198
		AB pos: 138-207	AB neg: 52-78
Red Phase (critical)	< 48 hours	O pos: <2,090	O neg: <616
		A pos: <1,628	A neg: <362
		B pos: <508	B neg: <132
		AB pos: <138	AB neg: <52

Platelet Inventory – Canadian Blood Services (Data current as of August 11, 2016)

Platelet Inventory Level*	**% of National Requirement**	**CBS # of Units**
Green Phase (minimal decrease to optimal)	80-100% of daily national requirement	>259
Amber Phase (serious)	25-79% of daily national requirement, recovery NOT expected with 12-24 hours	81-259
Red Phase (critical)	<25% of daily national requirement, recovery NOT expected with 12-24 hours	<81

*As platelets only have a shelf-life of 5 days and CBS routinely does not have more than a 1.5 day inventory on hand at any time, platelet inventory levels are expressed as a percentage of the daily national requirement rather than “days on hand”.

Frozen Plasma Inventory – Canadian Blood Services (Data current as of August 11, 2016)

Frozen Plasma Inventory Level (Total of groups 0, A and B only)	*CBS Days On Hand*	*CBS # Units on Hand*
Green Phase (minimal decrease to optimal)	>7 days	>1,954
Amber Phase (serious)	3 – 7 days	837-1,954
Red Phase (critical)	< 3 days	<837

Group AB Frozen Plasma Inventory Level	*CBS Days On Hand*	*CBS # Units on Hand*
Green Phase (minimal decrease to optimal)	>14 days on hand	>634
Amber Phase (serious)	6 – 14 days	272-634
Red Phase (critical)	< 6 days	<272

Cryoprecipitate Inventory- Canadian Blood Services (Data current as of August 11, 2016)

Cryoprecipitate Inventory Level	*CBS Days On Hand*	*CBS # Units on Hand*
Green Phase (minimal decrease to optimal)	>14 days on hand	>2,742
Amber Phase (serious)	6 – 14 days	1,175-2,742
Red Phase (critical)	< 6 days	<1,175

The following table provided by CBS is an example of how the Inventory Index might represent actual hospital inventory and a corresponding inventory phase. The calculations are based on actual 2015-2016 hospital disposition data and a calculated ADRD of 2056 red cell units.

Calculated ADRD = 2056 red cell units

National Number Units - Hospitals	Inventory Index	Phase – *not yet determined, presented for consideration and reference only*
25,000	12.16	Green
20,000	9.73	Green
19,000	9.24	Green
18,000	8.75	Green
17,000	8.27	Green
16,000	7.78	Green Advisory
15,000	7.30	Green Advisory
14,000	6.81	Amber
10,000	4.86	Red
5,000	2.43	Red