

12th Annual Canadian Blood Services International Symposium

*Plasma: Transfuse it, Fractionate it or
Forget it?*

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Canadian Blood Services
it's in you to give

The World of Plasma In One Day

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2014/09/13

Complex, Interconnected System



Plasma - Pre-Vein to Post-Vein

Basic
Research

Collection
Manufacture

Clinical
Laboratory

Clinical
Use

Outcomes
Audits



Overview of Conference

Speaker	From	Topic Domain
Dr. Robert Skeate	Toronto ON, CAN	Manufacture and Utilization of Plasma
Dr. Maureane Hoffman	Durham NC, USA	Understanding Coagulation Cascade
Dr. Walter H. Dzik	Boston, MA, USA	Update on Clinical Use of Plasma
Dr. Alan Tinmouth	Ottawa ON, CAN	Update on Clinical Use of Plasma
Dr. William Sheffield	Hamilton ON, CAN	Animal Model - Coagulation
Dr. Karen Moffat	Hamilton ON, CAN	Coagulation Clinical Laboratory
Dr. Barbara Hannach	Toronto ON, CAN	Manufacture Protein Drugs
Dr. Mark Blostein	Montreal QC, CAN	Clinical Use of PCC
Dr. Steven Pipe	Ann Arbor MI, USA	Long-Lasting Recombinant Factors

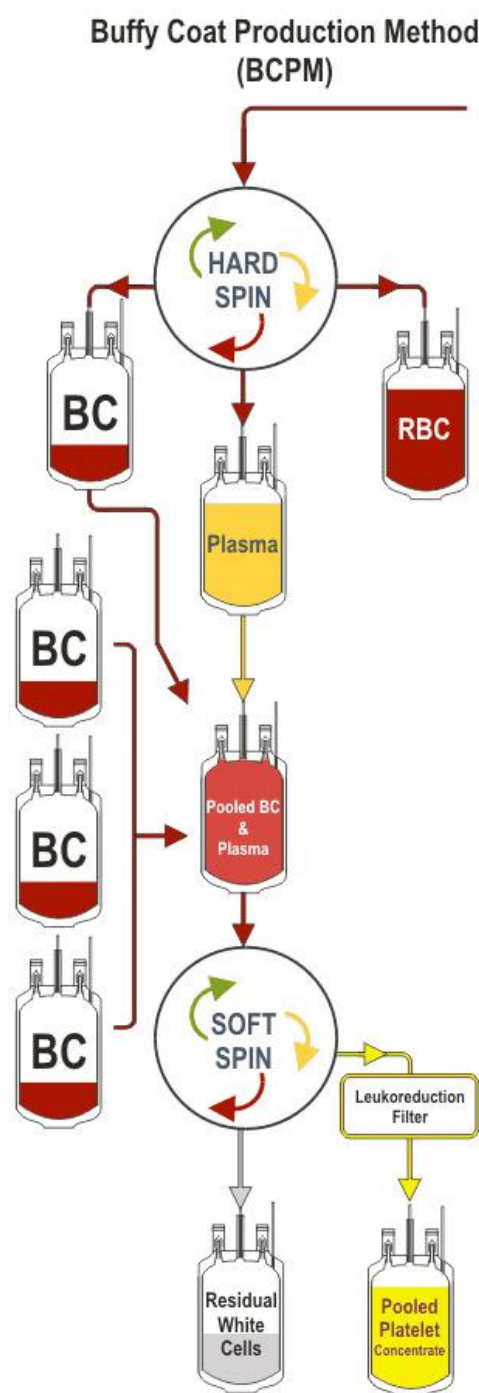
Multiple Views of Complex System



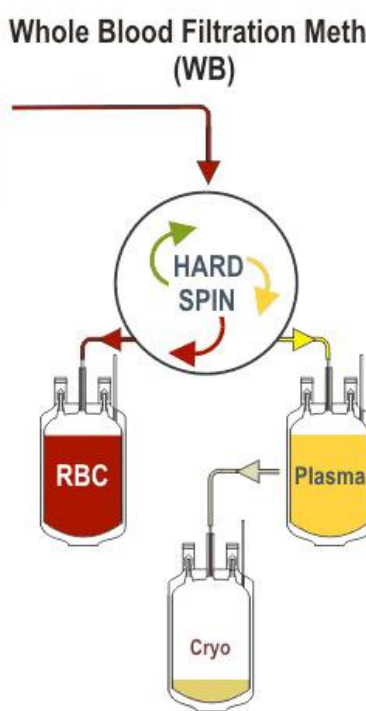
A Plasma is A Plasma is A Plasma



Buffy Coat Production Method (BCPM)



Whole Blood Filtration Method (WB)



Plasma From Whole Blood

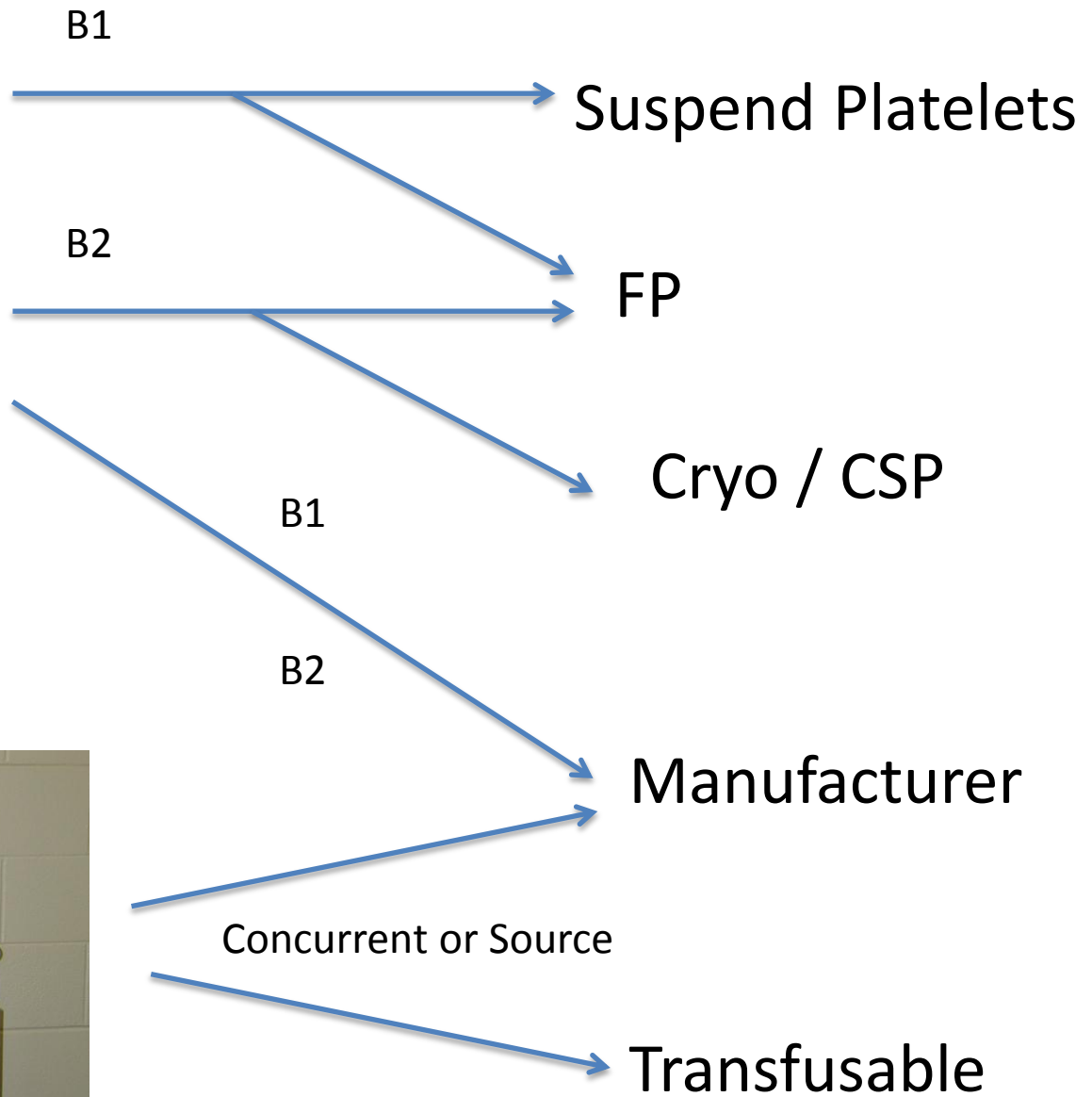


Plasma

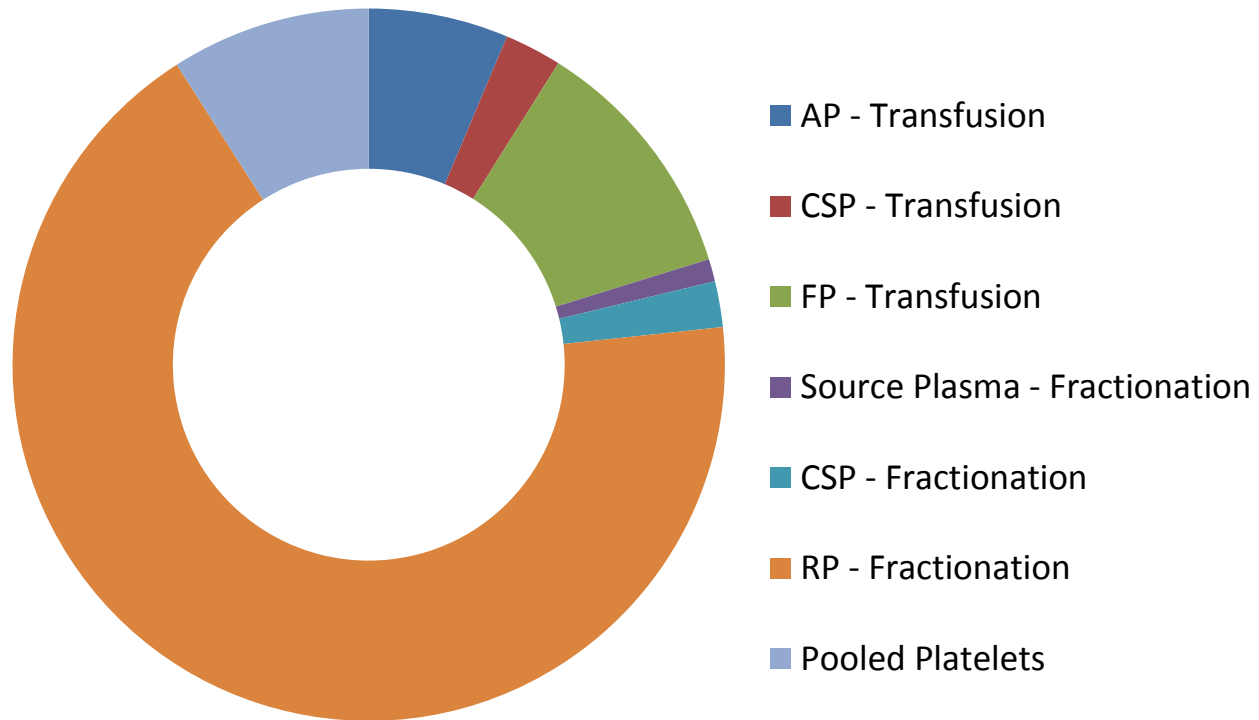
Buffy Coat

Red blood cell





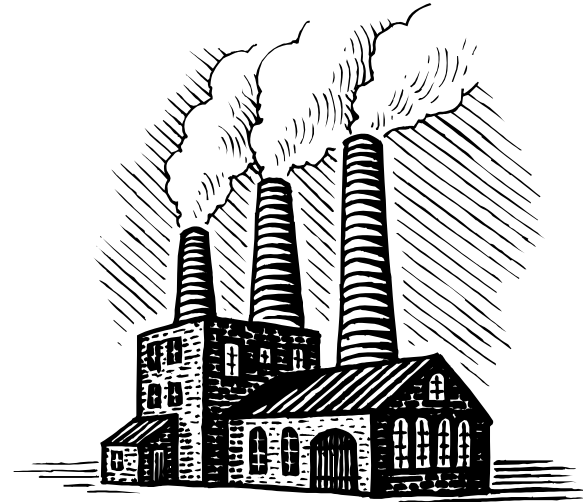
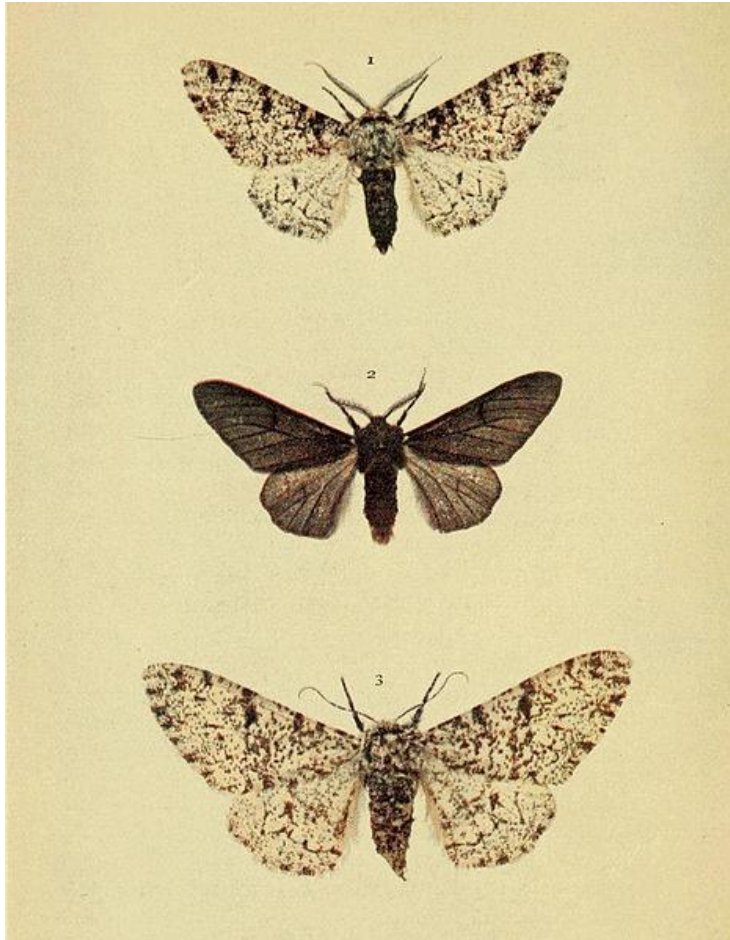
Making The Most With Our Plasma



FP/Transf	RP/Frac	AP/Transf	SP/Frac	CSP/Transf	CSP/Frac	Pooled Platelets
92,471	575,567	54,900	11,304	15,633	44,796	78,442

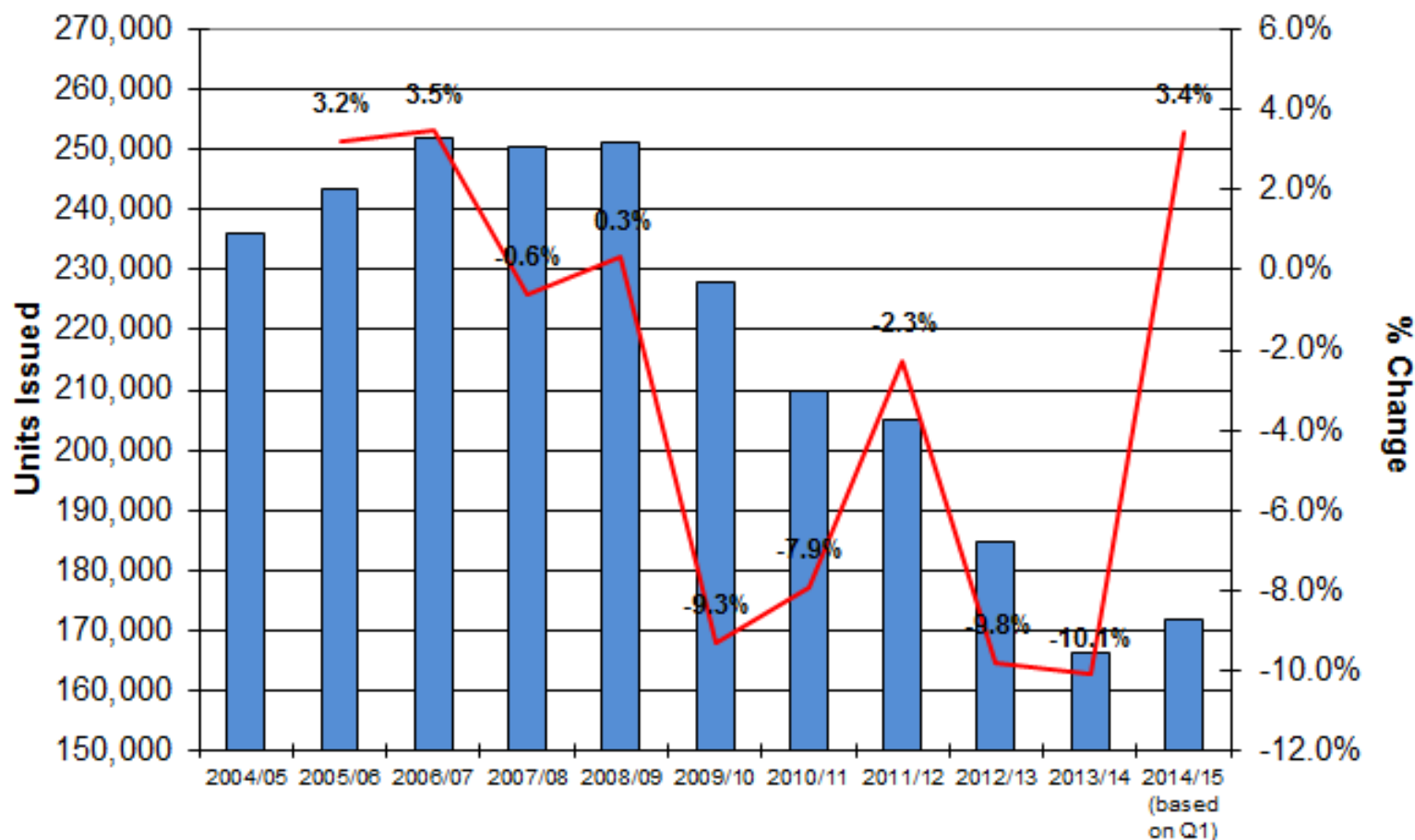
* Estimated 2014/15 volume

Complex System in Evolution



Public domain via Wikimedia Common

Plasma Units Issued & Fiscal Period Growth Rates

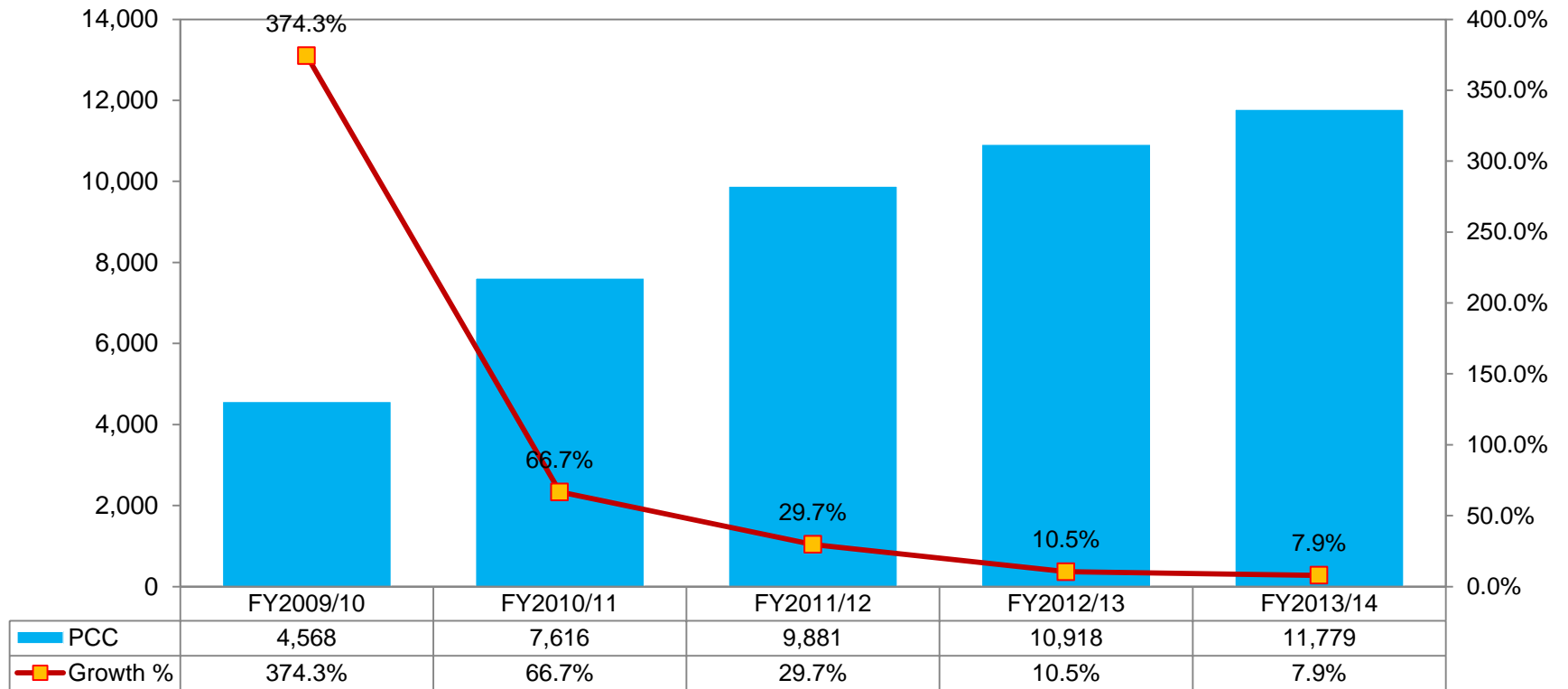


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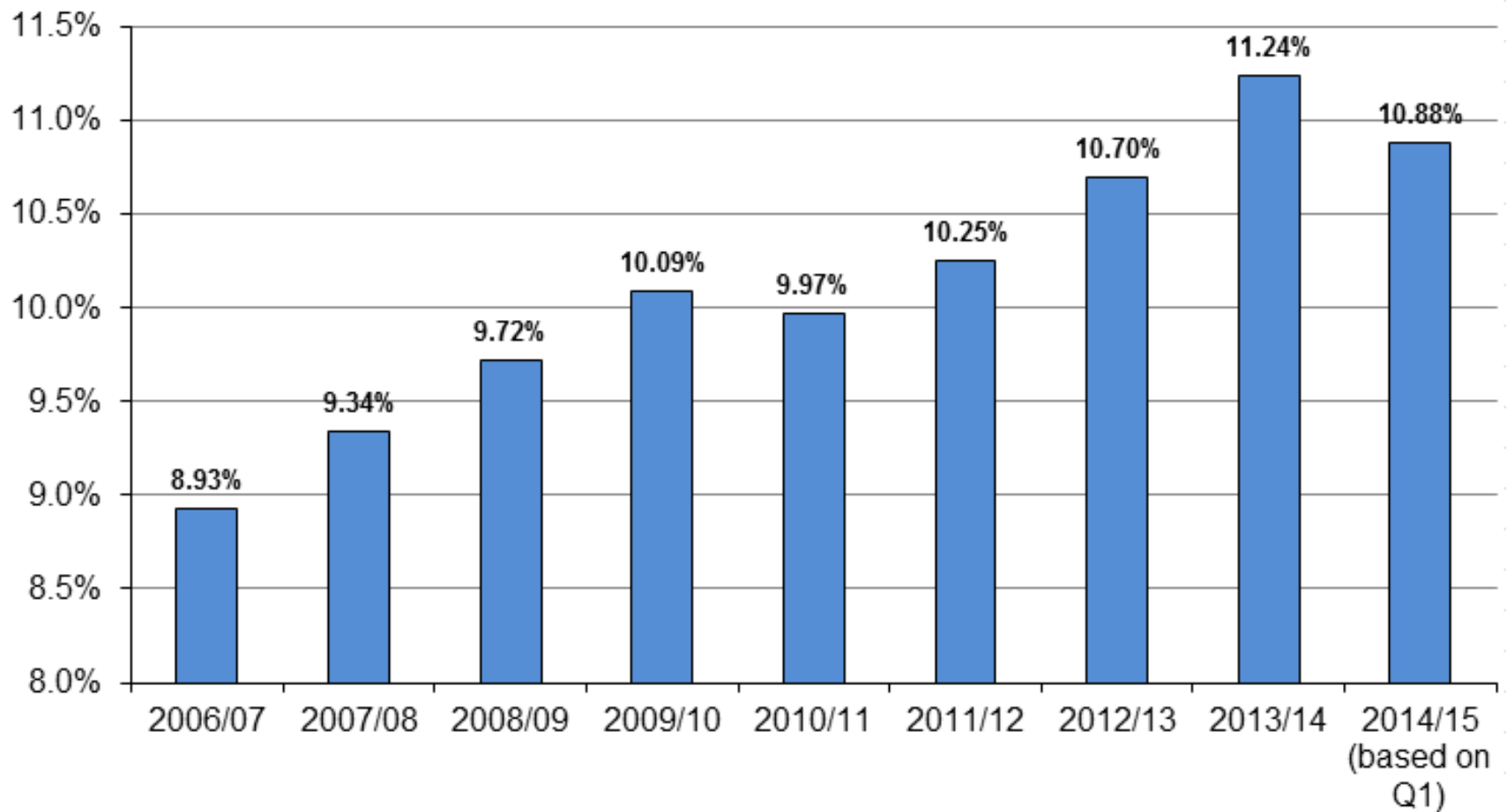
100

Prothrombin Complex Concentrate

5 Year Trend By 1,000 IUs



AB as a % of Plasma Issues



Plasma

- Plasma is collected from whole blood or using apheresis technology resulting in several different product types
- Regardless of origin, plasma units are used essentially interchangeably for transfusion, or as raw material for fractionation
- Plasma utilization has decreased significantly despite the emergence of a concept of increased, early plasma use in hemorrhaging patients
 - Implementation of PCCs

Welcome !

- Sit back, relax, and consider where you fit in as our speakers present multiple views on the current state of the world of plasma, with hopefully some hints as to where we might be headed...

