

**An overview of the
Asia Pacific Blood Network
and
Overview of the status of
plasma fractionation in the region**



Asia Pacific Blood Network
Connecting Blood Communities



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Connecting Blood Communities

Overview

» APBN

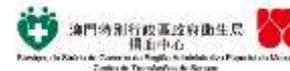
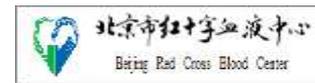
- Membership
- Vision and mission & strategic objectives
- Activities
- Plasma for fractionation in APBN member organisations
- Way forward



APBN membership



- Beijing Red Cross Blood Centre
- Australian Red Cross Blood Service
- Hong Kong Red Cross Blood Transfusion Service
- Japanese Red Cross Society Blood Service Headquarters
- Macao Health Bureau
- New Zealand Blood Service
- Blood Services Group, Health Sciences Authority, Singapore
- Republic of Korea National Red Cross Blood Service
- Taiwan Blood Services Foundation
- National Blood Centre
- Thai Red Cross Society



265 million people
12.5 million collections

APBN background

- » Established in 2006
- » Respects different domestic contexts
- » Provide strategic leadership to support member policy development
- » A regional voice on blood-related themes



APBN's Vision and Mission

Our Vision

APBN is a network of **not for profit** blood operators in the Asia Pacific region who are **committed to voluntary non-remunerated blood donation**. Our vision is that our patients have access to safe, secure and effective blood and blood products appropriate to their needs.

Our Mission

APBN's mission is to contribute to the safety, sufficiency and cost effectiveness of blood and blood product supply in the region, based on scientific and ethical principles. Our committed blood donors are key partners in achieving our mission.



APBN's objectives

1. Promote APBN members' **organisational efficiency and cost effectiveness** through benchmarking, performance improvement, best practice achievement and knowledge exchange.
2. Provide member value through the development of tools to ensure **safe, secure and effective blood and blood products for patients**.
3. Strengthen members' ability to secure a **sufficient and sustainable donor panel** to meet patient needs for blood and blood products.



APBN's objectives continued

4. Raise awareness of, and influence blood sector issues in the region including promoting **scientific and ethical principles in donor care** in APBN members.
5. Provide an opportunity for a **common regional voice** to better influence and engage stakeholders at both country and regional levels in relevant blood sector issues through development of recommendations on key shared issues.
6. **Inspire other countries in our region**, and internationally, to improve their standards by providing examples of good practice.
7. **Maximise value** of APBN Network for members.



Outputs tailored to member (and regional) needs

Knowledge exchange

Key Success Factors of Lean Programmes in Blood Services Operating within the Asia Pacific Blood Network (APBN)

KEY SUCCESS FACTORS IN LEAN PROGRAMMES WITHIN THE APBN MEMBERSHIP

Leadership and senior management support is critical to the success of any programme and should commence at the beginning of the project.

Different projects and operational areas of focus require different approaches. Sometimes the situation requires a non-standard Lean Six Sigma approach, such as donor services.

Project selection and scheduling is important to ensure the work programme is achievable, yet maintains sufficient momentum to ensure ongoing engagement.

Quick wins, early in the programme are essential, even if for small, incremental gain to demonstrate proof of concept.

- Recognition that **implementation of an outcome** requires a **balanced approach** with some compromise, especially if a solution is financially not viable.
- **Use of an external consultant** appropriately trained in Lean, Six Sigma or some other process improvement technique is critical in the beginning of the project.

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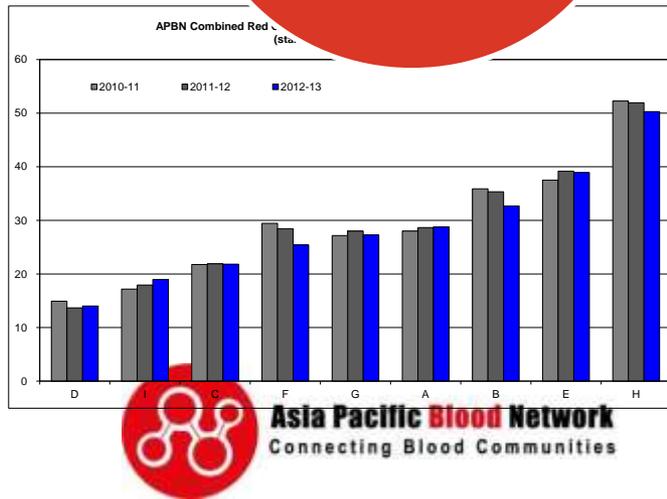
APBN Activities

Comparison of practice & Performance improvement

Policy collaboration



Horizon scanning



APBN members

100%

**Voluntary
non-remunerated
donor bases**



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APBN members

100%

Self sufficient fresh blood products



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APBN members

8 of 10

Collect

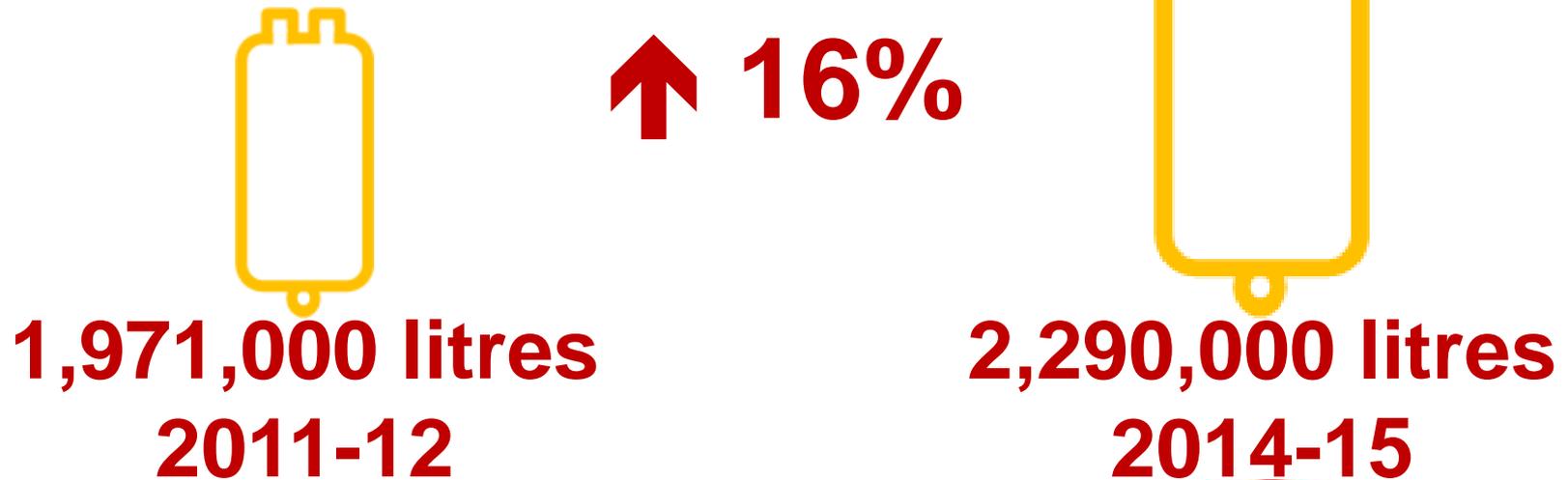
plasma for fractionation



APBN members

16% growth

Plasma for fractionation shipped

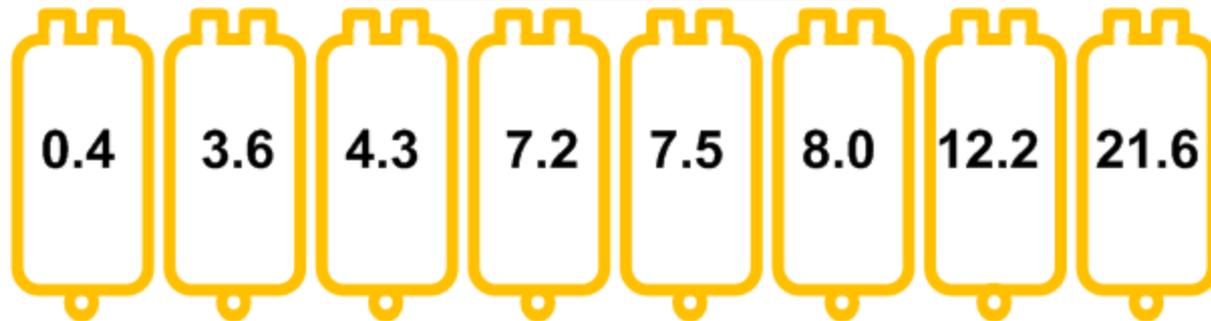


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APBN members

1,971,000 litres

plasma for fractionation shipped
in 2011-12



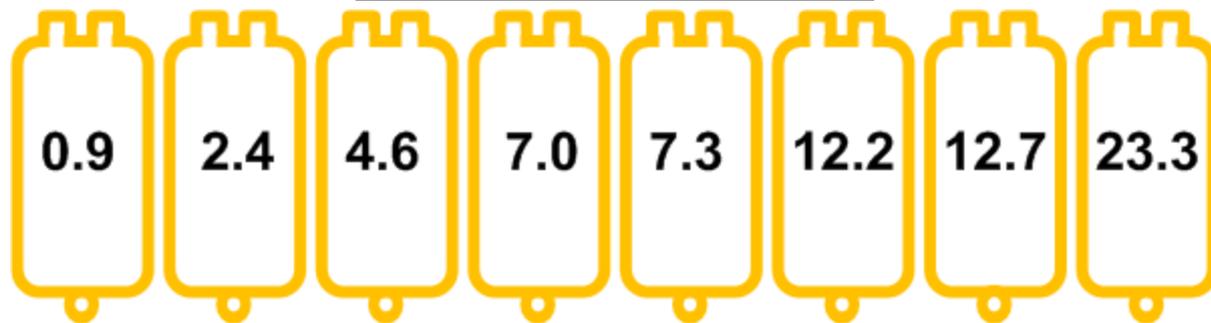
litres per 1000 population



APBN members

2,290,000 litres

plasma for fractionation shipped
in 2014-15



litres per 1000 population

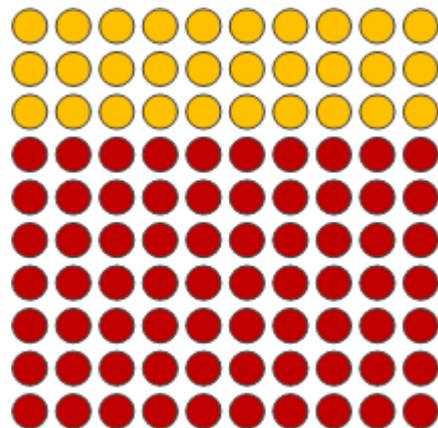


APBN members

2,290,000 litres

plasma for fractionation shipped

Total APBN



30% Apheresis derived

70% Whole blood derived

by units



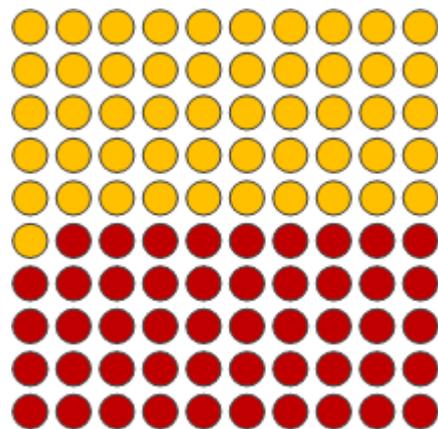
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APBN members

2,290,000 litres

plasma for fractionation shipped

Total APBN



51% Apheresis derived

49% Whole blood derived

by volume



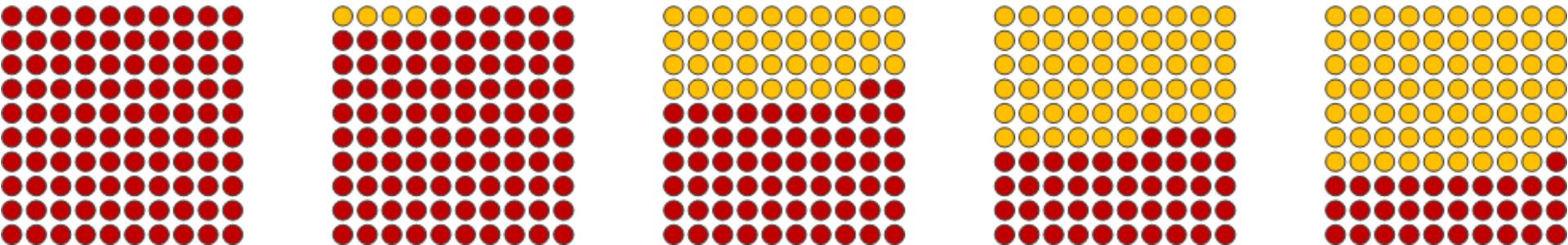
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APBN members

2,290,000 litres

plasma for fractionation shipped

Individual APBN members by volume



100% - 31% Whole blood derived



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APBN members

~8

Fractionators received APBN plasma

CSL Behring



สภาราชการไทย
The Thai Red Cross Society



JB 一般社団法人
日本血液製剤機構
Japan Blood Products Organization

Korean Red Cross 



NIHON PHARMACEUTICAL CO.,LTD.



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APBN members

self sufficiency in plasma products

- » Variable, from 100% self sufficient from domestic product, to import
- » influenced by variable IVIG use per 1000 population



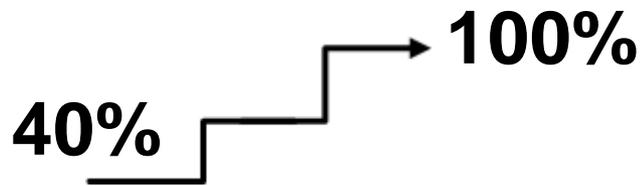
APBN members

Plasma products sourced from domestic plasma for fractionation

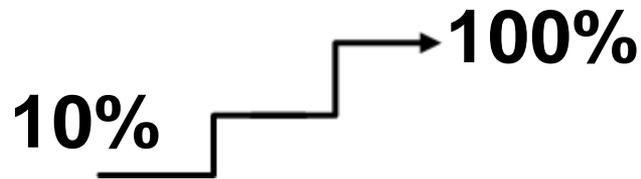
Self-sufficiency

IVIg

Albumin



Balance imported



% product sourced from domestic plasma



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Way forwards

- » Responding to increased demand for plasma products especially IVIG
- » Responding to policies for self-sufficiency through VNRBD, balanced against need to import product (from paid donors)
- » Strategies to increase plasma collection through enhancing donor recruitment strategies, enhancing plasma collection and fractionation yields....

