

Future Project for Plasma Supply

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Content



1. Collection of plasma & the need for strategic independence
2. The role of EBA in the need for strategic independence
3. European cooperation: the SUPPLY project
4. How to optimize the plasma collection?
5. Take home messages

The current situation

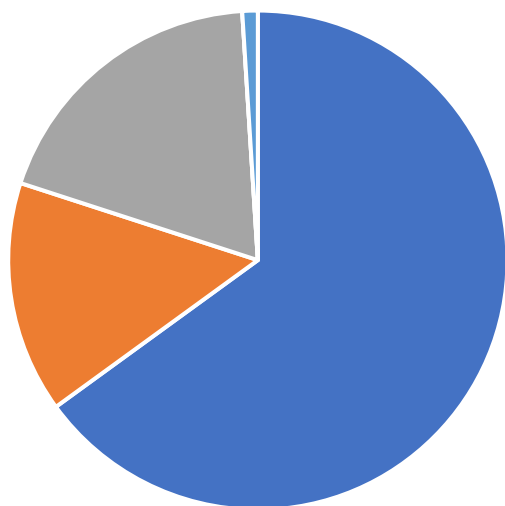
- The last decade the collection of plasma has increased, due to the increasing needs of immunoglobulins worldwide.
- Due to COVID-19, less plasma was collected in 2020 & 2021
- Starting 2022, many countries experience difficulties with plasma collection (reasons are yet unknown but most likely related to donor behaviour)



The current situation

Origin of Plasma for Fractionation - 2020

Total Plasma collection volume: 59 million liters in 2020



■ North America ■ Europe ■ Asia & Pacific ■ Latin America ■ Middle East

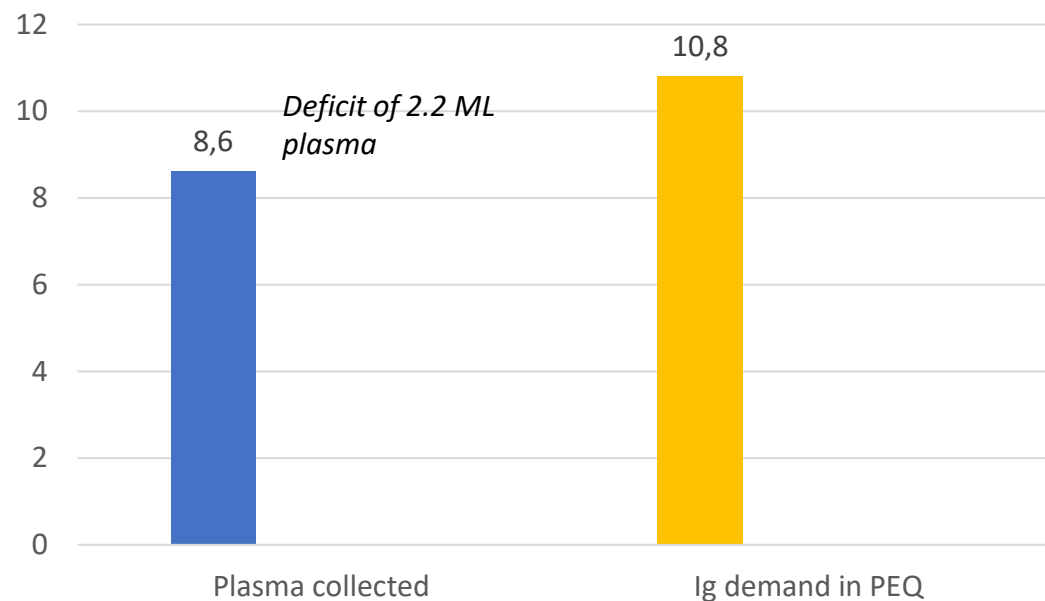
Drop in Plasma for Fractionation – 2020 vs 2019

Region	Recovered plasma	Source plasma	Total Plasma
Europe	- 8%	- 8%	- 8%
EU only	- 9%	- 8%	- 9%
North America	0%	- 18%	- 18%
Rest of World	- 2%	- 8%	- 7%
Wordwide	- 5%	- 16%	- 14%

EU IgG demand

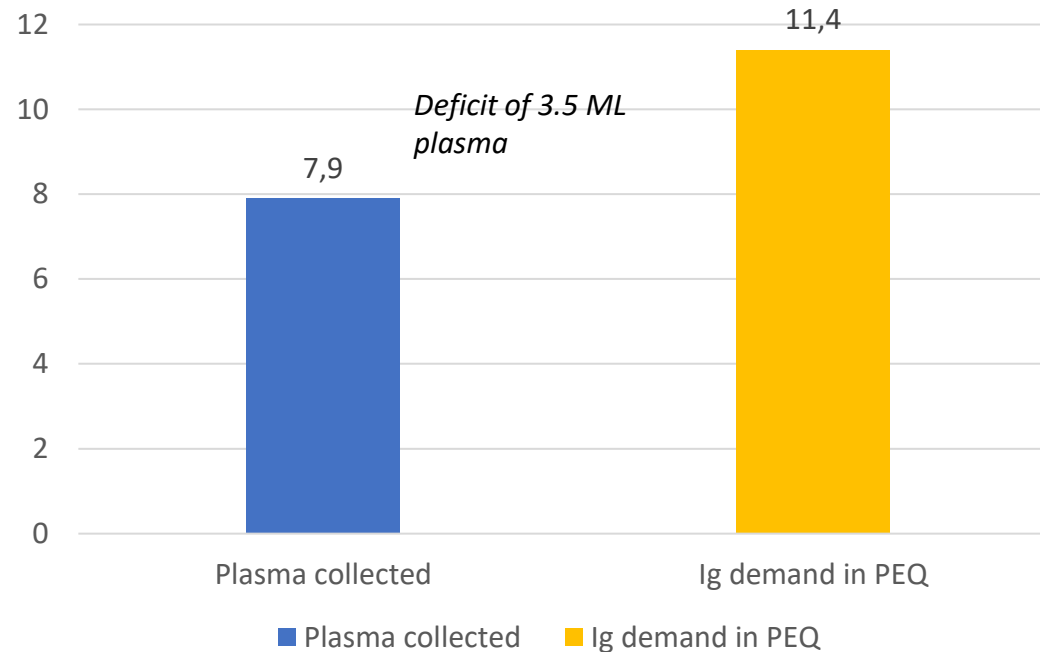
2019

Plasma collection & Ig demand in ML



2020

Plasma collection & Ig demand in ML



Strategic Independence

..is the percentage of plasma collected by the public sector for the internal demand of IgG's as a partial dependence (100 –x%) on the market-driven supply of PDMP's from non-European plasma



The need for plasma to produce plasma-derived medicinal products (PDMP) is increasing



35 to 40 % of current needs for PDMPs depend on plasma collected outside of Europe, mostly from the U.S.



The COVID-19 health crisis has further underscored the need for greater European strategic independence



Time for action!





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The role of EBA in the need for strategic independence



- Create awareness for the need for plasma
- Webinars for BE's in Europe on how to increase their collection of plasma
- Initiation of SUPPORT-E, an EU-funded project on high quality evaluation of COVID-19 convalescent plasma throughout Europe
- IPFA/EBA symposia on plasma collection and supply
- Surveys and best practices

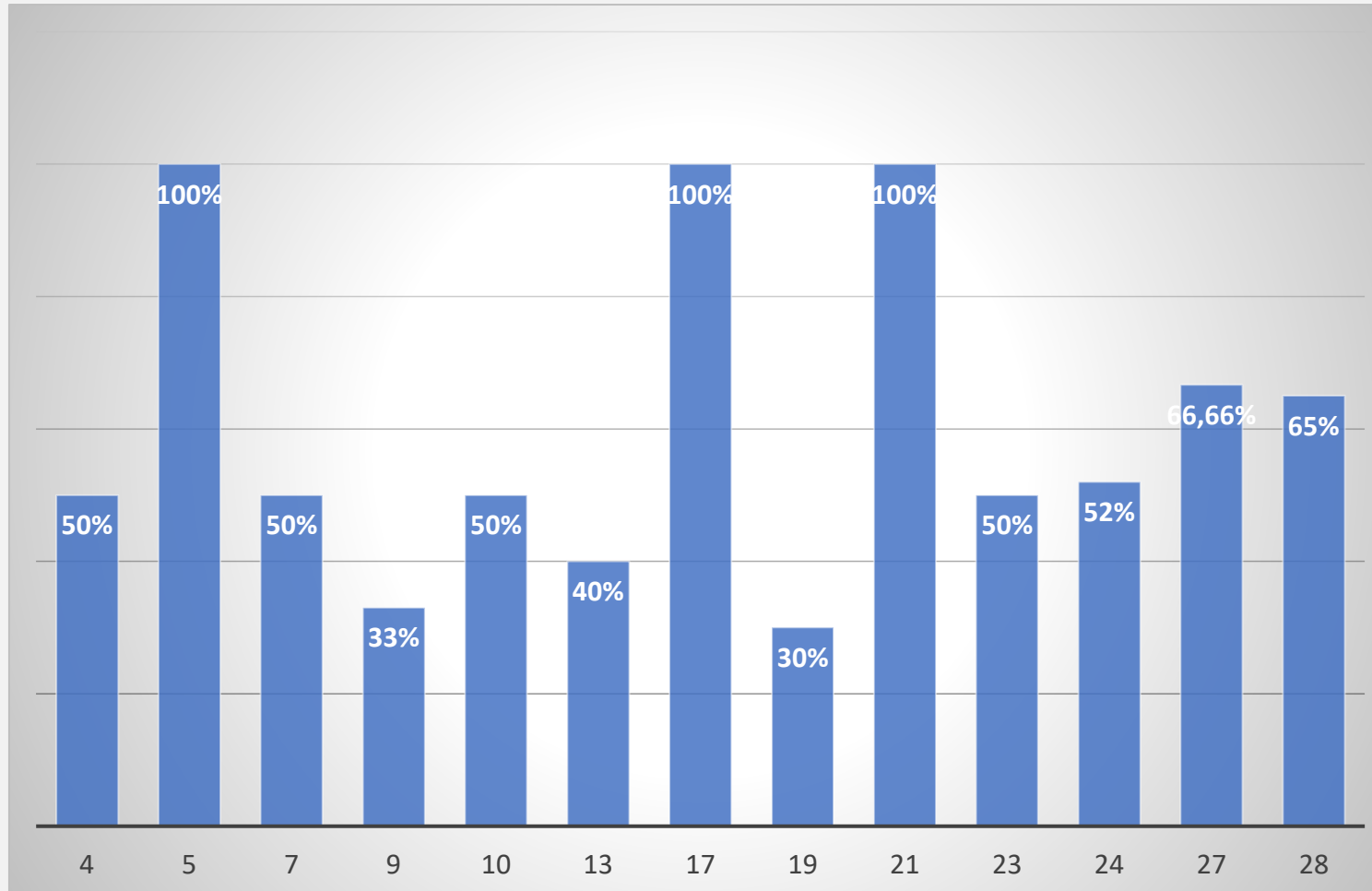


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EBA Survey among Blood Establishments in 2020

What percentage of the total need of plasma for fractionation to ensure self-sufficiency in your country is collected by blood establishments (or other not for profit establishments)?

- **Mean: 66%***
- **Minimum: 30%**
- **Maximum: 100%**



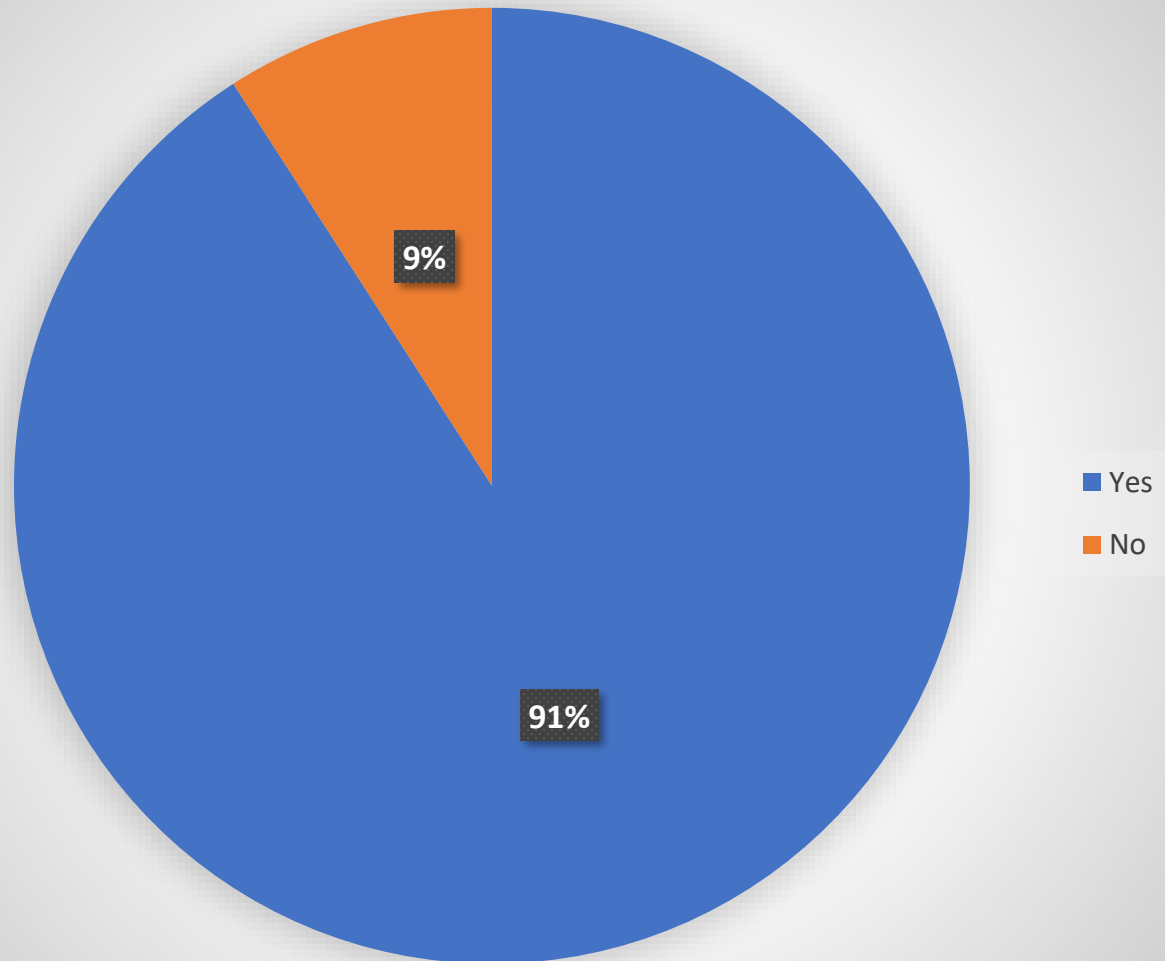
*pending formal approval of all participants

Safe blood for Europe



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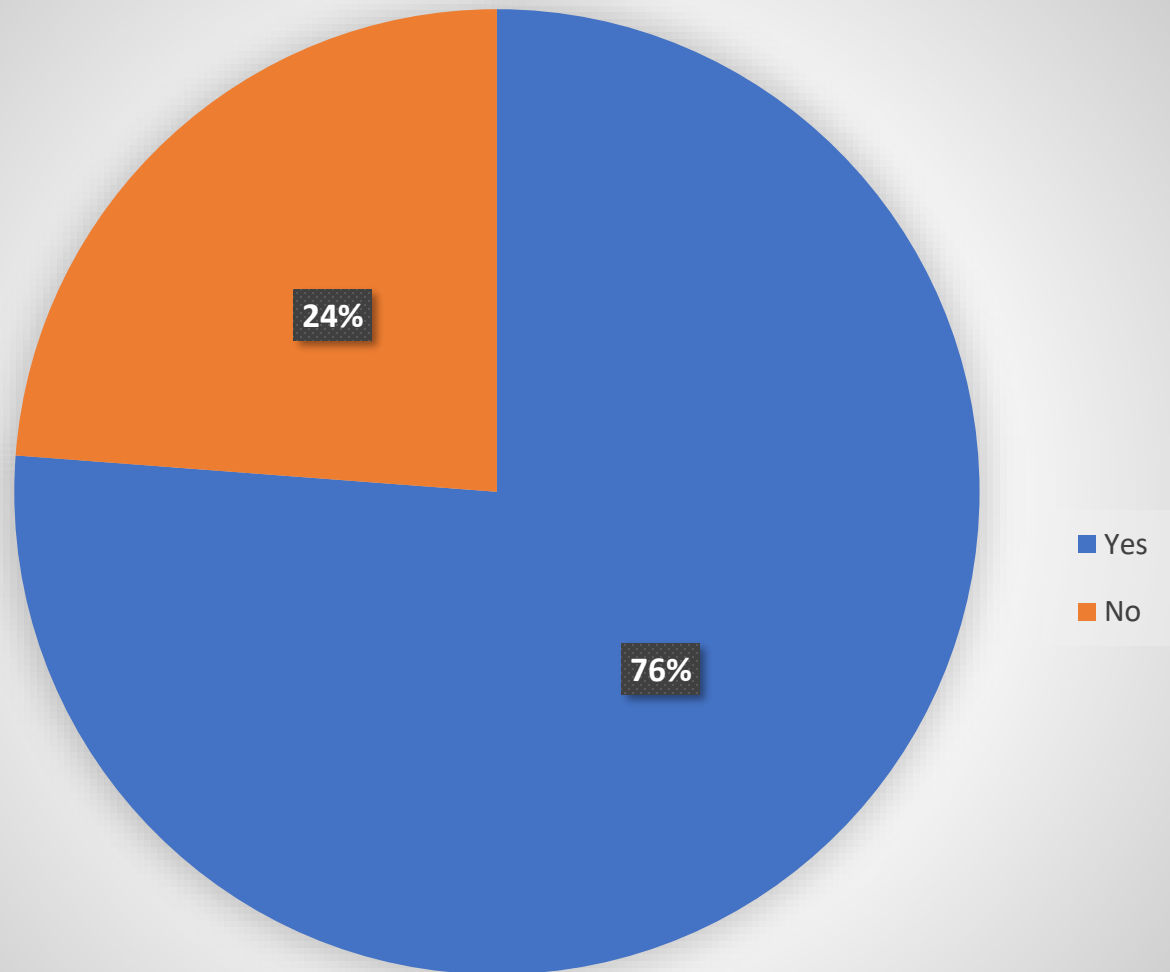
Do you wish to increase your plasma collection?





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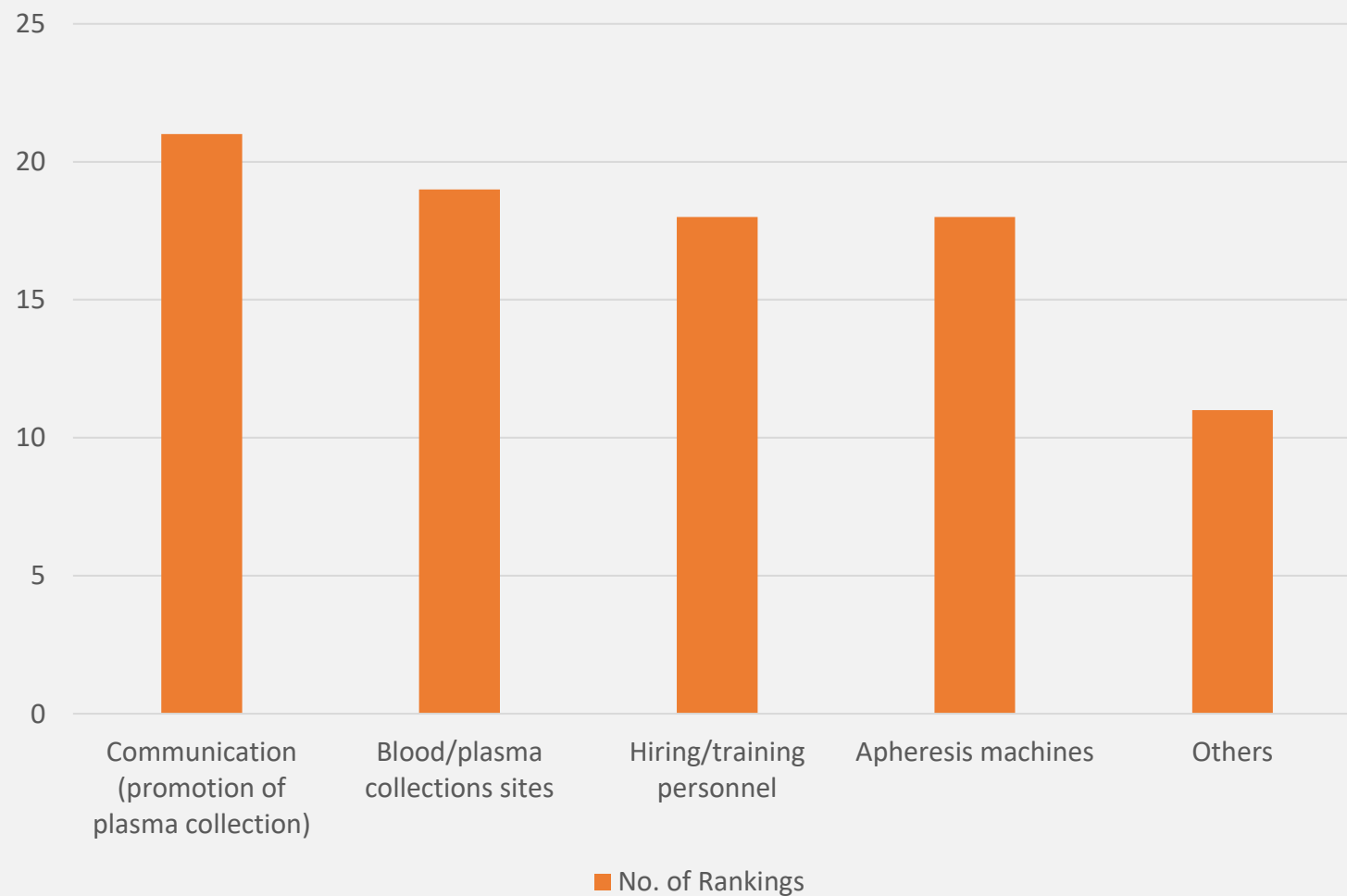
Would external financial support lead you to increase your collection of plasma?





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Where would financial support be most helpful?





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The SUPPLY Project

- EU4Health project
- Grant application still pending but in final phase
- Duration 18 months
- EBA as program leader



BE's &
National Authorities in
Europe

The SUPPLY Project - EU action grants

EU action grants on substances of human origin (SoHo) –

“Increase resilience, ensure continuity of supply and access to safe and high quality therapies, in particular in times of crisis” (EU4 health, PJ05)

General objective of the EC

Improving the availability, accessibility and affordability of medicinal products and medical devices, and crisis-relevant products in the Union, and of supporting innovation regarding such products

This action aims to enable the **medical/professional organisations** and **Member State authorities in SoHO subsectors to develop and exchange good practices** for professionals and authorities to optimise supply and increase access to quality and safe use of critical therapies based on substances of human origin donated by fellow citizens.

The SUPPLY Project – expected results

The EBA has taken initiative to write a grant proposal about the collection of plasma: “Strengthening unpaid plasma collection capacity in Europe”, The SUPPLY project.

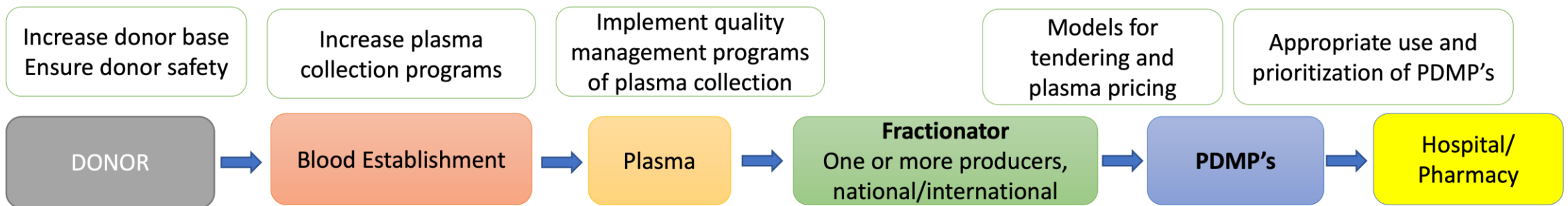
The expected results:

- Development and dissemination of good practices and guidance by EBA BEs and Member States authorities in the SoHO subsectors to strengthen and make more resilient unpaid plasma collection in Europe, in particular during crises;
- Contribution to a more sustainable supply and increased access to essential PDMPs with mitigating actions to avoid disruption.

The SUPPLY Project - Objective

Objective:

The overall objective of the SUPPLY project is to increase plasma collection and strengthen the resilience of plasma collection by blood establishments throughout Europe to ensure optimal availability of PDMP's both in the current situation as well as in times of crises.



The SUPPLY Project - Project setup

Project stakeholders

- BEs
- National authorities
- Professionals (hospitals, medical centres,, etc.)
- Patients
- Donors
- Regulators/legislators/technical bodies
- Press
- Individuals

Plasma value chain

Donors

Blood and plasma
donation

Plasma processing

Fractionation

PDMP supply
(focus immunoglobulins)

Patients

WP2

WP3

WP6

WP5

WP4

WP7



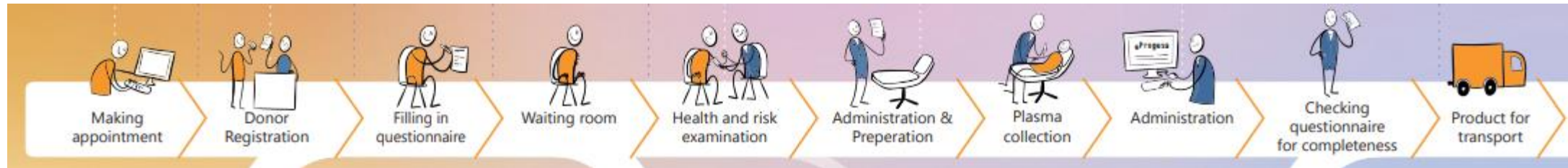
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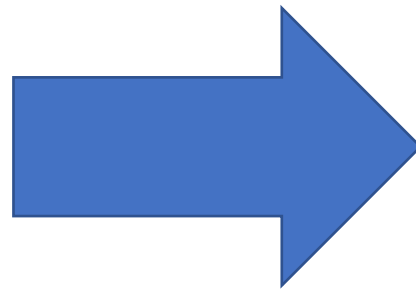


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How to optimize the plasma collection chain?

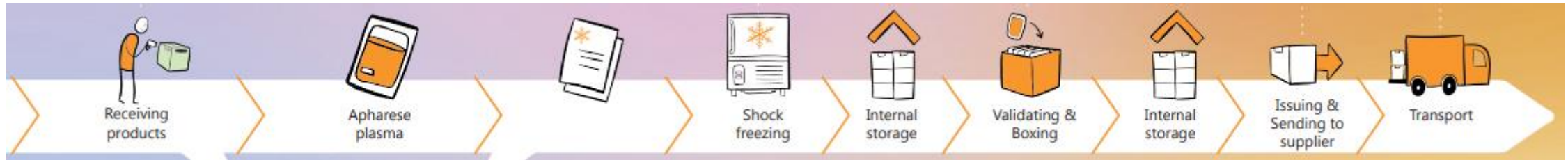


- Plasma awareness!
- Successful vnrđ donor recruitment & retainment
- Focus on donor experience
- Increase donor frequency
- Expand capacity

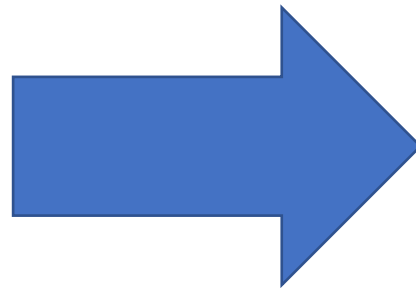


Continuous analysis of donor behaviour and sharing experiences should increase resilience

How to optimize the plasma collection chain?

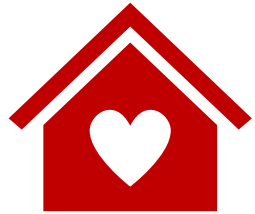


- Optimal collection centres set up & efficacy
- Improving the product journey from collection to transportation to fractionator
- Characterize & explain the waste of recovered plasma
- Optimal plasma price and cost modelling
- Determine recommendations for a plasma price based on quality of plasma



Define the optimal processing chain and share best practices

Expected outcomes for...



Blood Establishments

- Identifying, sharing and developing best practices to increase vnrD plasma donor pools, improve plasma collection, processes, capacity & cost models in times of crisis



Patients

- Durable and resilient availability of high quality PDMP's
- PDMP quality insurance & improvement
- Appropriate and prioritized use of PDMP's



National authorities

- Providing guidelines to enable authorities to optimise supply and increase access to quality and safe use of PDMPs during crisis
- Guidelines on optimal tender models and plasma pricing



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2. Successful plasma collection
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Take home messages



1. It is of high importance to reach EU strategic independence especially during times of crises
2. We need to work together: EC, BE's, National Authorities and other relevant organisations in the field
3. The SUPPLY project will help increase the resilience and strengthen the unpaid plasma collection capacity in Europe