

Future Project for Plasma Supply

Daphne Thijssen-Timmer

VP Executive Board

European Blood Alliance

Member Executive Committee Sanquin
Amsterdam, The Netherlands



Content

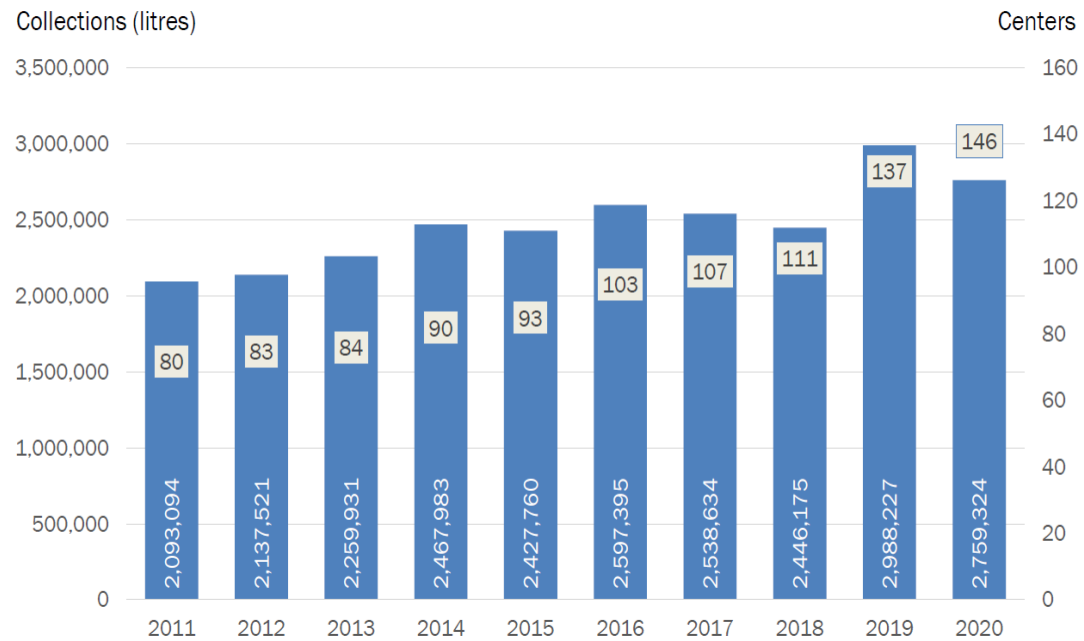


1. Collection of plasma & need for PDMP's
2. COVID-19 impact
3. The role of EBA in the need for strategic independence
4. European cooperation: the SUPPLY project
5. Take home messages

Plasma collection

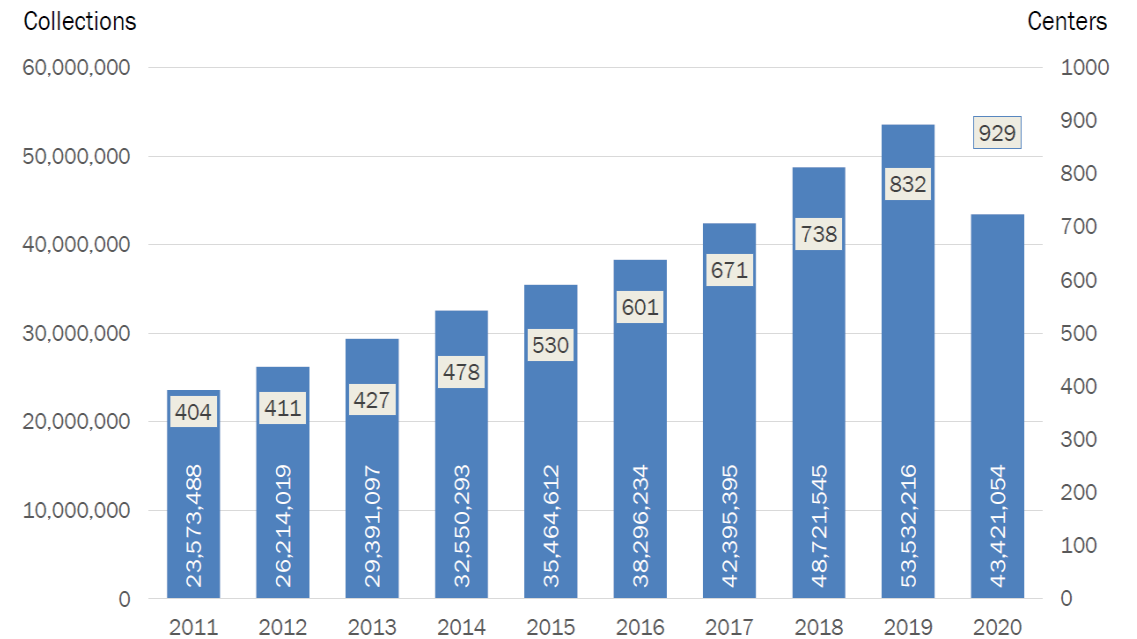
EU

EU Collections (litres) & Number of Centers



US

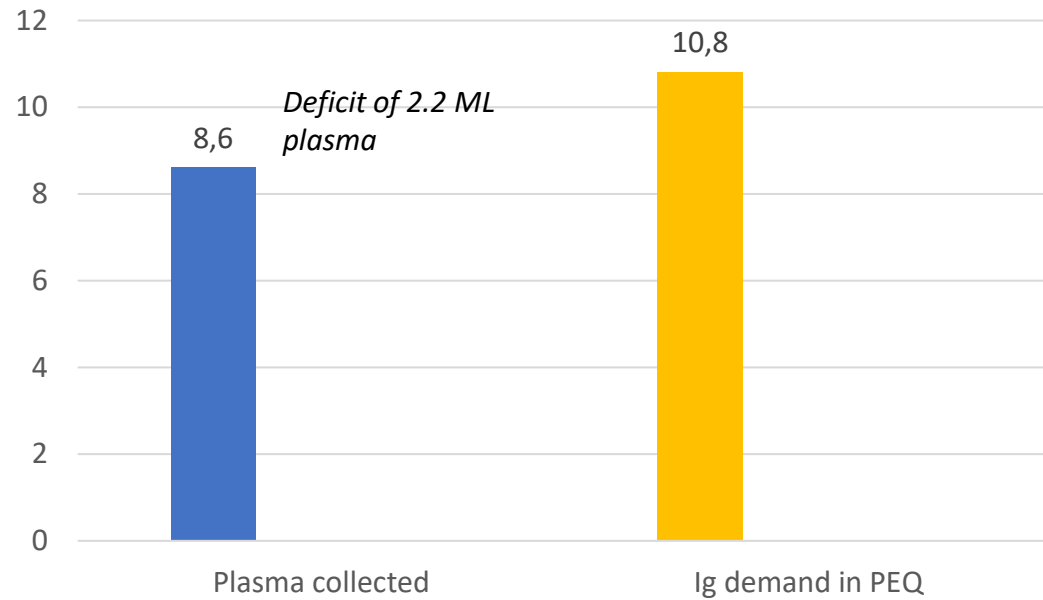
U.S. Collections & Number of Centers



EU IgG demand

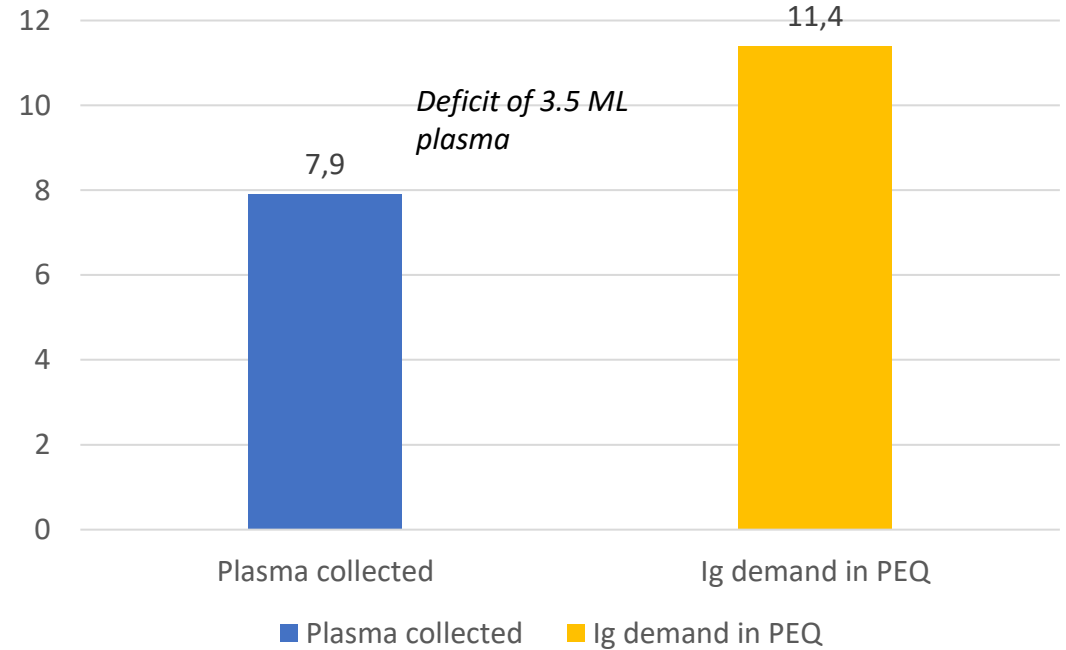
2019

Plasma collection & Ig demand in ML



2020

Plasma collection & Ig demand in ML



Content

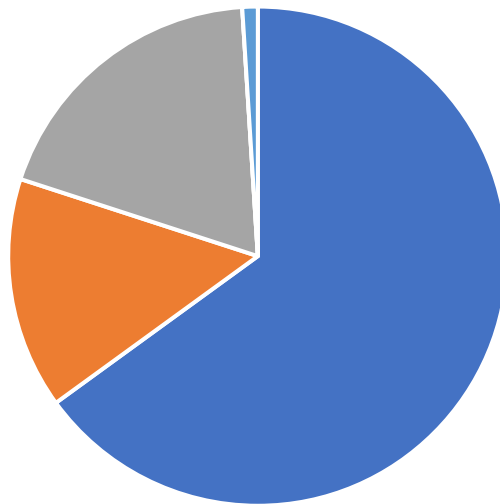


1. Collection of plasma & need for PDMP's
2. COVID-19 impact
3. The role of EBA in the need for strategic independence
4. European cooperation: the SUPPLY project
5. Take home messages

Plasma collection

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%
Worldwide	- 5%	- 16%	- 14%

The impact of the COVID-19 Pandemic

- COVID-19 has shown the vulnerability of the global plasma collection
- In 2020 in the U.S alone, the plasma collection was 18.9% lower than in the previous year, equivalent to approx. about 10 million liters of plasma. To put into perspective, such a volume would cover about 2/3 of the need of plasma used for PDMPs in the EU
- Clear signs of shortages of IgG final products became visible in 2021
- During the crisis, recruiting and retaining donors became a challenge

The COVID-19 pandemic demonstrated the need for coordinated EU level action to respond to health emergencies. It revealed gaps in foresight, including demand/supply dimensions, preparedness, and response tools.

Content



1. Collection of plasma & need for PDMP's
2. COVID-19 impact
3. The role of EBA in the need for strategic independence
4. European cooperation: the SUPPLY project
5. Take home messages

The need for strategic independence



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!



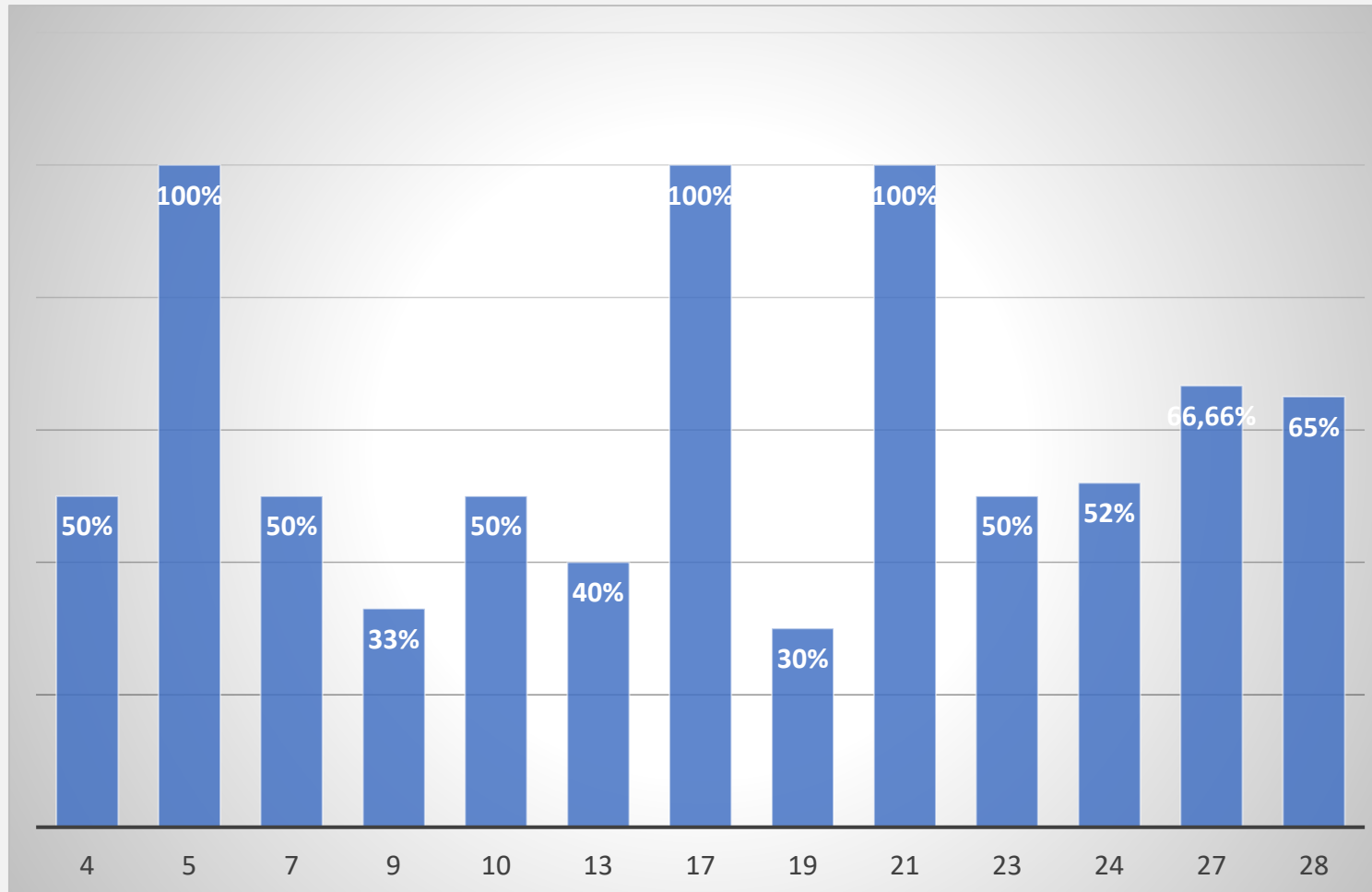
The role of EBA

- 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

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%



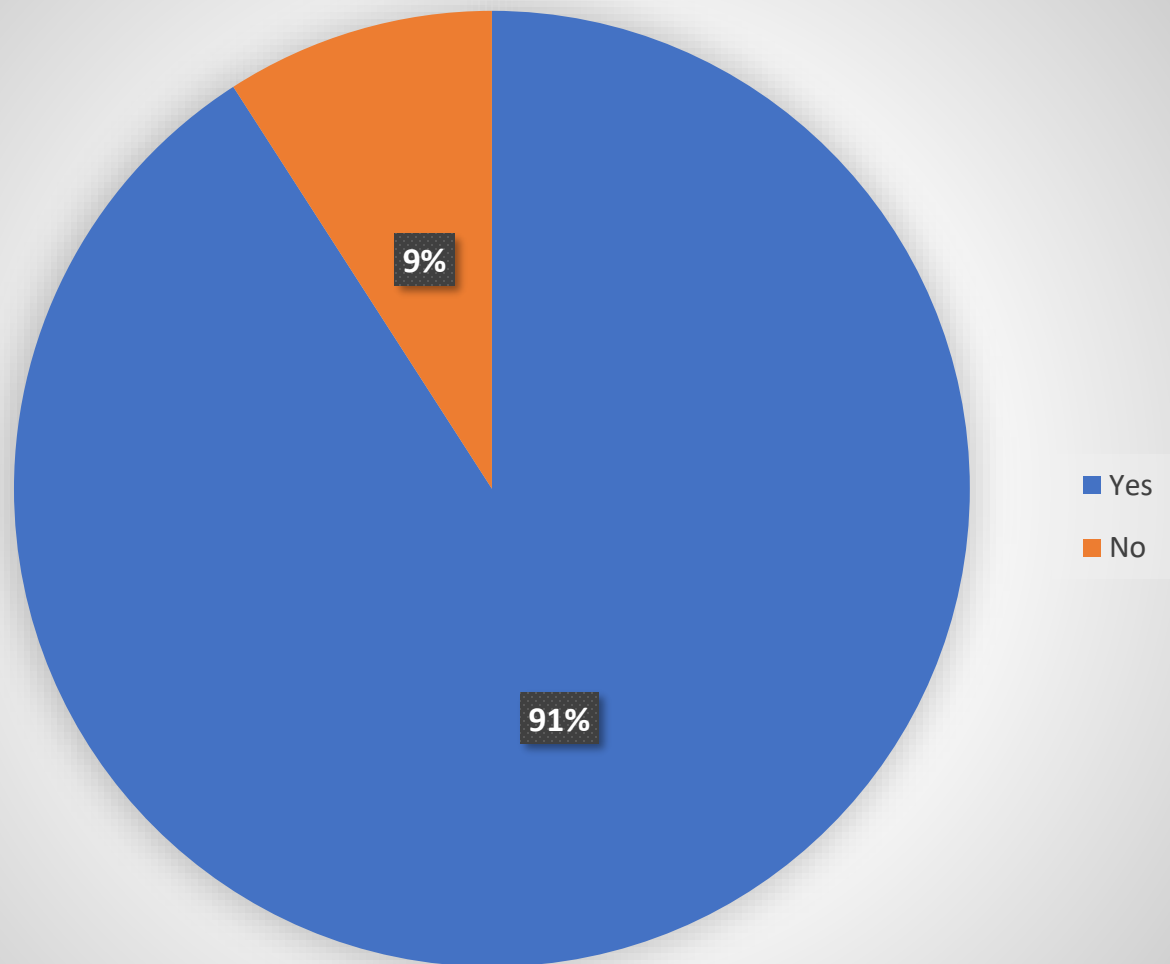
*pending formal approval of all participants

Safe blood for Europe



EUROPEAN
BLOOD
ALLIANCE

Do you wish to increase your plasma collection?

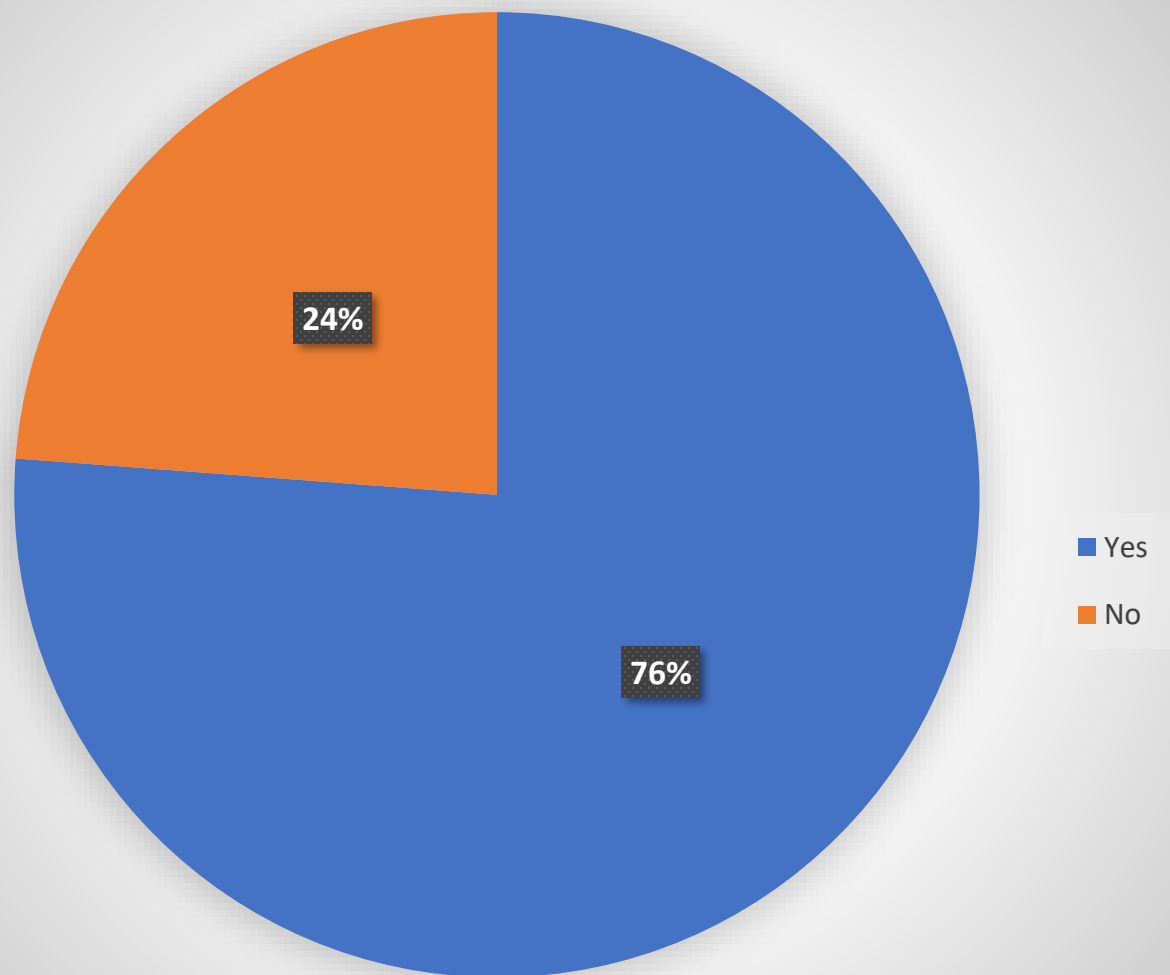


Safe blood for Europe



EUROPEAN
BLOOD
ALLIANCE

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

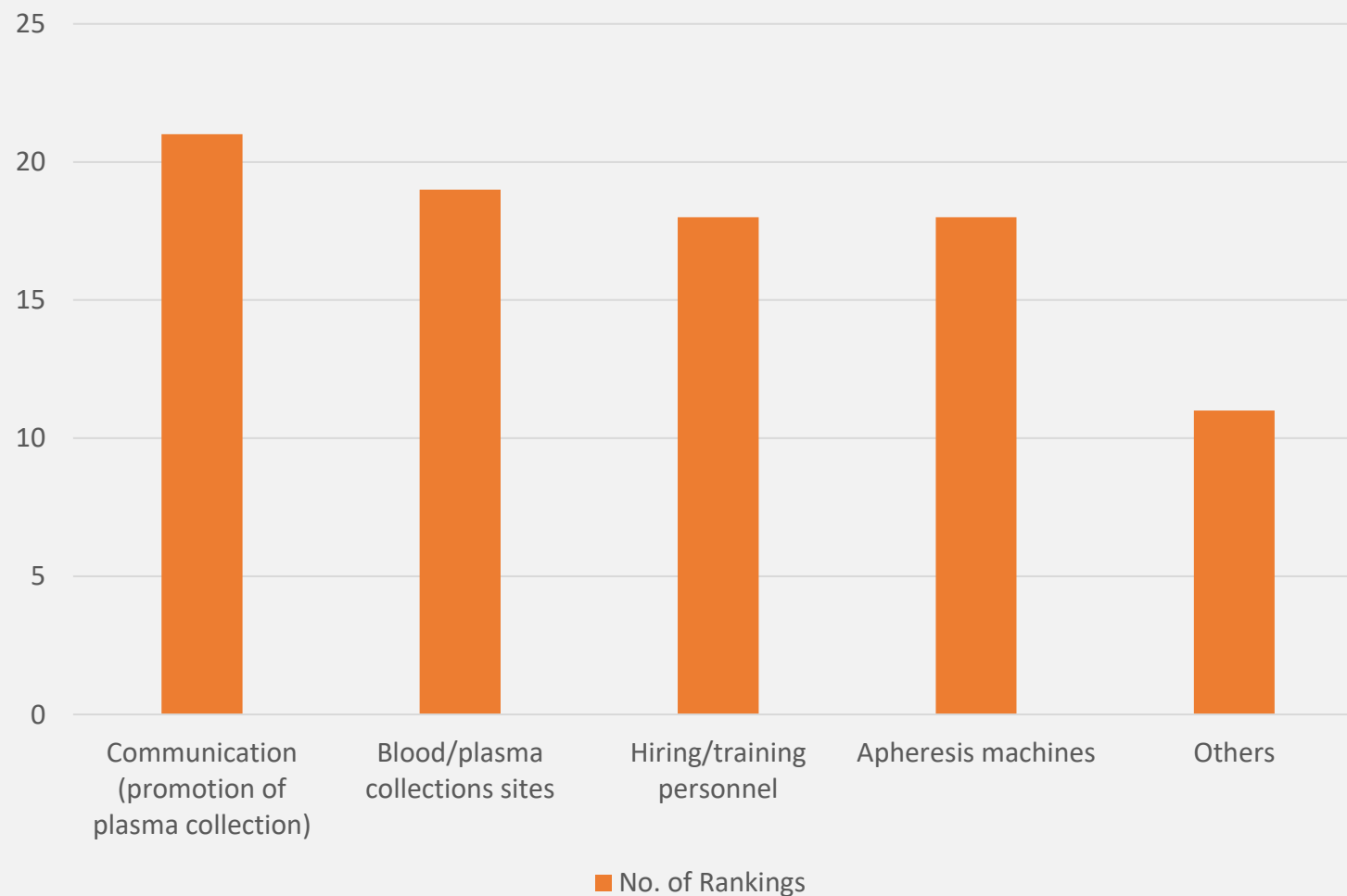


Safe blood for Europe



EUROPEAN
BLOOD
ALLIANCE

Where would financial support be most helpful?



Safe blood for Europe

Content



1. Collection of plasma & need for PDMP's
2. COVID-19 impact
3. The role of EBA in the need for strategic independence
4. European cooperation: the SUPPLY project
5. Take home messages

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.

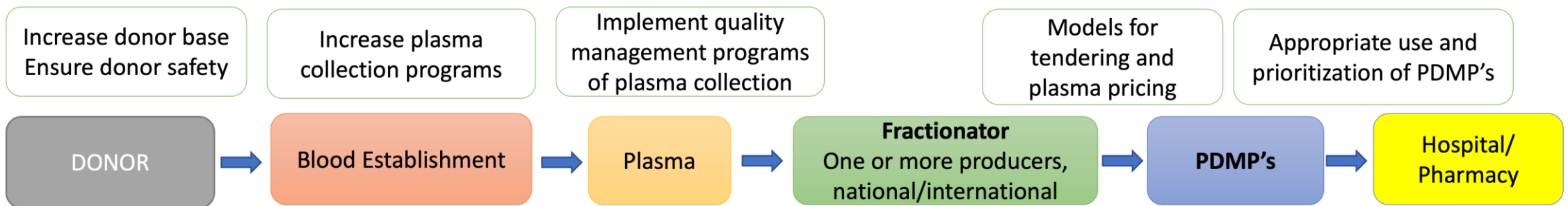
The expected results:

- 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

Content



1. Collection of plasma & need for PDMP's
2. COVID-19 impact
3. The role of EBA in the need for strategic independence
4. European cooperation: the SUPPLY project
5. Take home messages

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