



## 2.4 EUCCP Database

**EU Competent Authorities Meeting for Blood and Blood Components**

**11th February 2021**

Health

A Recap....



## The EUCCP Database

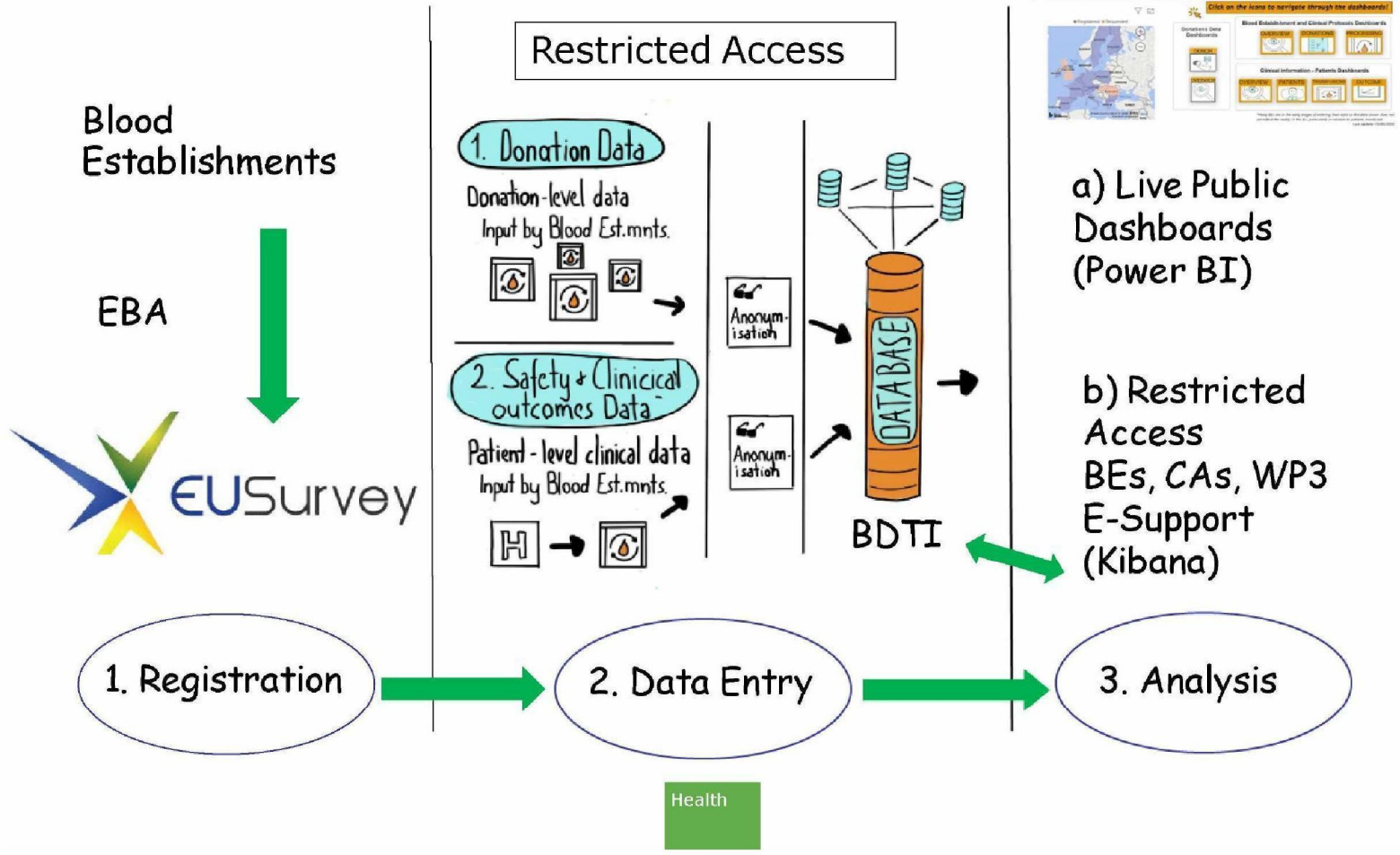
The EUCCP Database is an open-access database which gathers and makes available data on COVID-19 convalescent plasma (CCP) donations and patient outcomes following transfusions and aims to support the study of the use of CCP as a treatment for COVID-19 patients in the EU.

It includes data from blood establishments regarding CCP donors, CCP collection, and CCP components, as well as patient outcomes following transfusion in clinical trials and from wider monitored use programmes.

The database is hosted by Amazon Web Services (AWS) and has been developed by the European Commission (DG SANTE, DG DIGIT, and DG CNECT) in collaboration with EBA. It is managed jointly by EBA and the European Commission.

Health

# The Structure.....



Location.....



*Can be accessed via dedicated page.*

*Web address:*

<https://www.euccp.dataplatform.tech.ec.europa.eu/>

COVID-19 Convalescent Plasma Transfusion

This page hosts the user interface for the EU database of COVID-19 Convalescent Plasma (CCP) donation and transfusion and guidance for blood services on the collection and use of these donations.

Browse the theme

- EU CCP Database - COVID-19 convalescent plasma collection and transfusion in the EU
- Guidance on the collection and transfusion of convalescent COVID-19 plasma

EU CCP Database - COVID-19 convalescent plasma collection and transfusion in the EU

EU Covid-19 Convalescent Plasma Platform (EU CCP)\*

<p>Blood establishments requested to join <b>45</b> Blood establishments registered (MSD form) <b>35</b></p>	<p>Countries <b>20</b></p>	<p>Donations registered <b>3945</b></p>	<p>Transfused patients <b>39</b></p>
--	--------------------------------	---	--

Click on the icons to navigate through the dashboards!

Regional & Regional

Donations Data Dashboards

Blood Establishment and Clinical Protocols Dashboards

Clinical Information - Patients Dashboards

\*We are in the early stages of releasing new data in the data browser and we will reflect the reality in the EU, particularly in relation to patients transfused. Last update: 10/06/2020

Health

# EU CCP platform landing page



## EU CCP Platform

COVID - 19 convalescent plasma collection and transfusion

The European Commission is working together with Member States, the [European Blood Alliance \(EBA\)](#) and the [SUPPORT-E](#) project partners to provide a platform to support the study of convalescent plasma as a treatment for COVID-19 patients. The open-access database gathers and makes available data on convalescent plasma donations and patient outcomes following transfusions. It includes data from blood establishments regarding convalescent donors, plasma collection, and plasma components, as well as from clinical trials and from wider monitored use and will consolidate EU evidence on the safety and effectiveness of this therapy.

### EU Covid-19 Convalescent Plasma Platform (EU CCP)\*

	Blood Establishments Registered <b>86</b>		Countries <b>21</b>		Donations registered <b>15331</b> Plasma units <b>27341</b>		Transfused patients <b>215</b>
--	--	--	------------------------	--	--	---	-----------------------------------

 **Click on the icons to navigate through the dashboards!**

**Username\***

Your email

**Password\***

**Sign In**

In partnership with







Health


# Live Dashboards

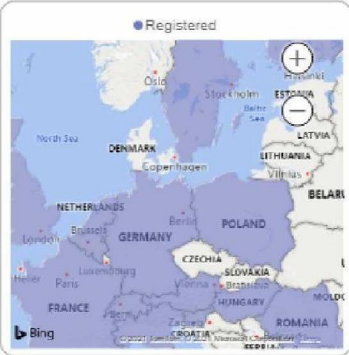


Currently 10 Screens

**EU Covid-19 Convalescent Plasma Platform (EU CCP)\***


 Blood Establishments Registered <b>86</b>	 Countries <b>21</b>	 Donations registered <b>15331</b> Plasma units <b>27341</b>	 Transfused patients <b>215</b>
---	---	--	--

 **Click on the icons to navigate through the dashboards!**




**Donations Data Dashboards**

DONOR



OVERVIEW




**Blood Establishment and Clinical Protocols Dashboards**

OVERVIEW

DONATIONS

PROCESSING




**Clinical information - Patients Dashboards**

OVERVIEW

PATIENTS

TRANSFUSIONS

OUTCOME



*\*Many BEs are in the early stages of entering their data so the data shown does not yet reflect the reality in the EU, particularly in relation to patients transfused.*  
 Last update: 28/01/2020

Microsoft Power BI 1 of 10

Health

# Examples of the Public Dashboards



**Blood Establishment Registrations - Donation protocols**  
*(Blood Establishments with an ongoing or planned program)*

← Select country and filter results!

All

Is evidence of negative RT-PCR testing required prior to donating?

● yes, on naso-pharyngeal sample ● no

no 18 (22.2%)

yes, on naso-pharyng... 63 (77.8%)

Multiple donations by the same COVID-19 convalescent patient possible

● yes ● no

no 3 (3.7%)

yes 78 (96.3%)

According to the guidance, potential donors should already have a diagnosis of COVID-19, as documented. Such tests are the so-called RT-PCR (real-time reverse transcription polymerase chain reaction) or a test for anti-SARS-CoV-2 antibodies.

The donated plasma (typically 600 ml) is split before freezing into 2-3 separate units (e.g. 3 x 200 ml).

Minimum number of days between end of symptoms of the donor and plasma collection

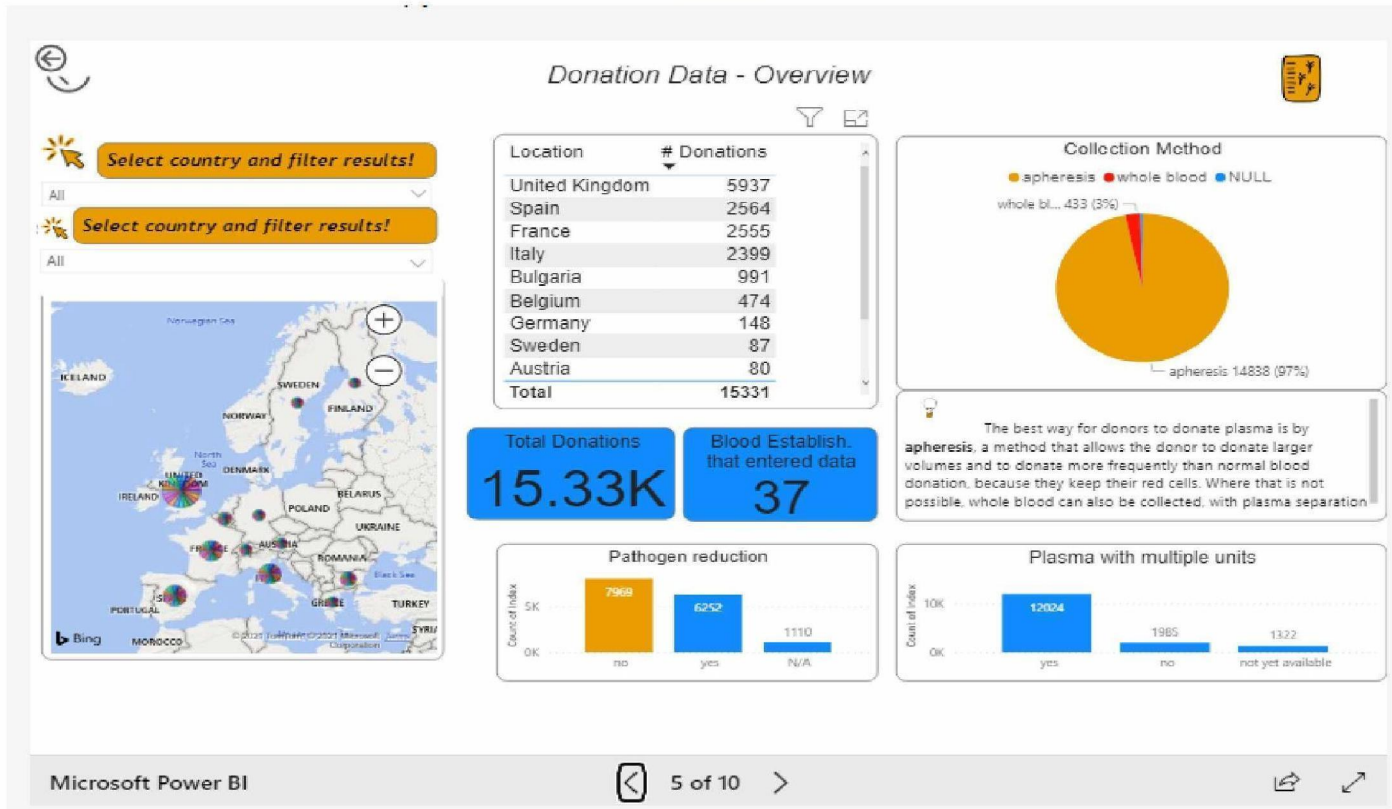
Number of Blood...

For a donor to be eligible, in general, 28 days should have passed since full recovery. 14 days is sufficient in certain defined circumstances (e.g. pathogen reduction)

Microsoft Power BI < 3 of 10 > [Share] [Refresh]

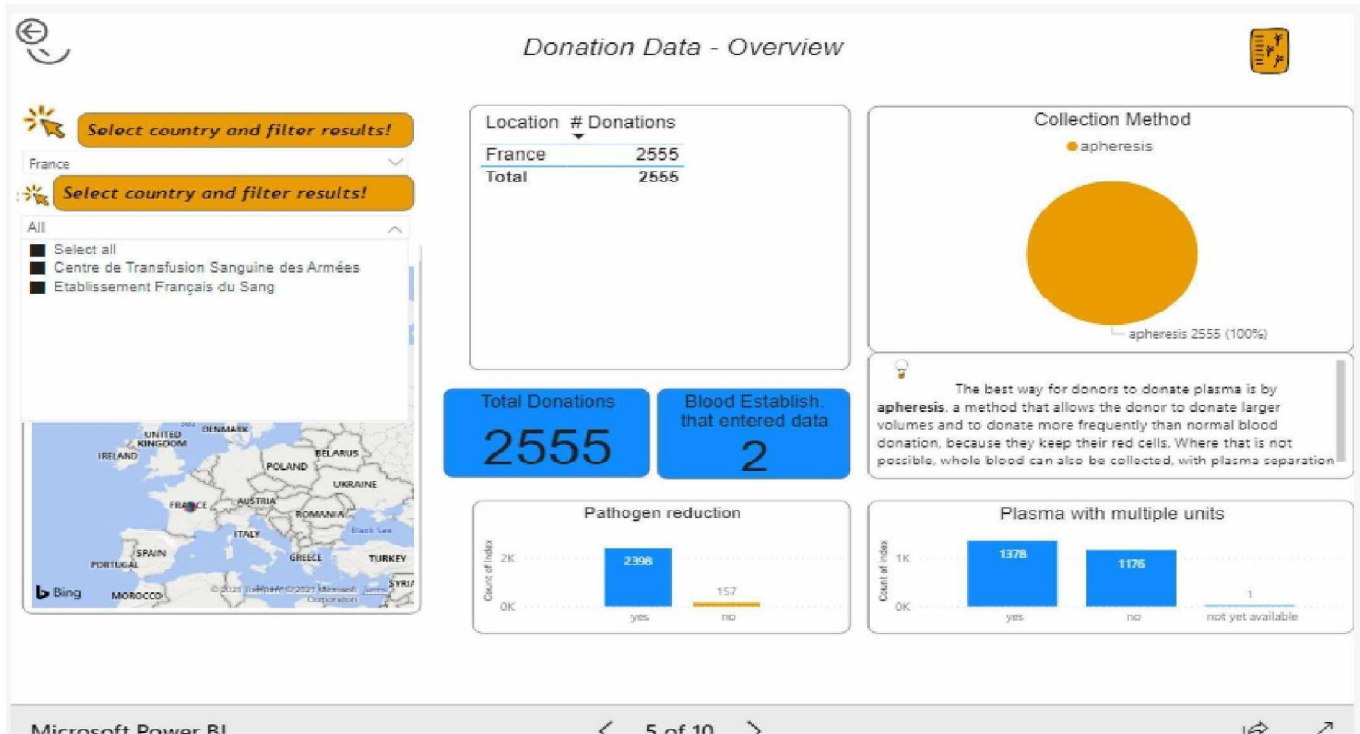
Health

# Examples of the Public Dashboards



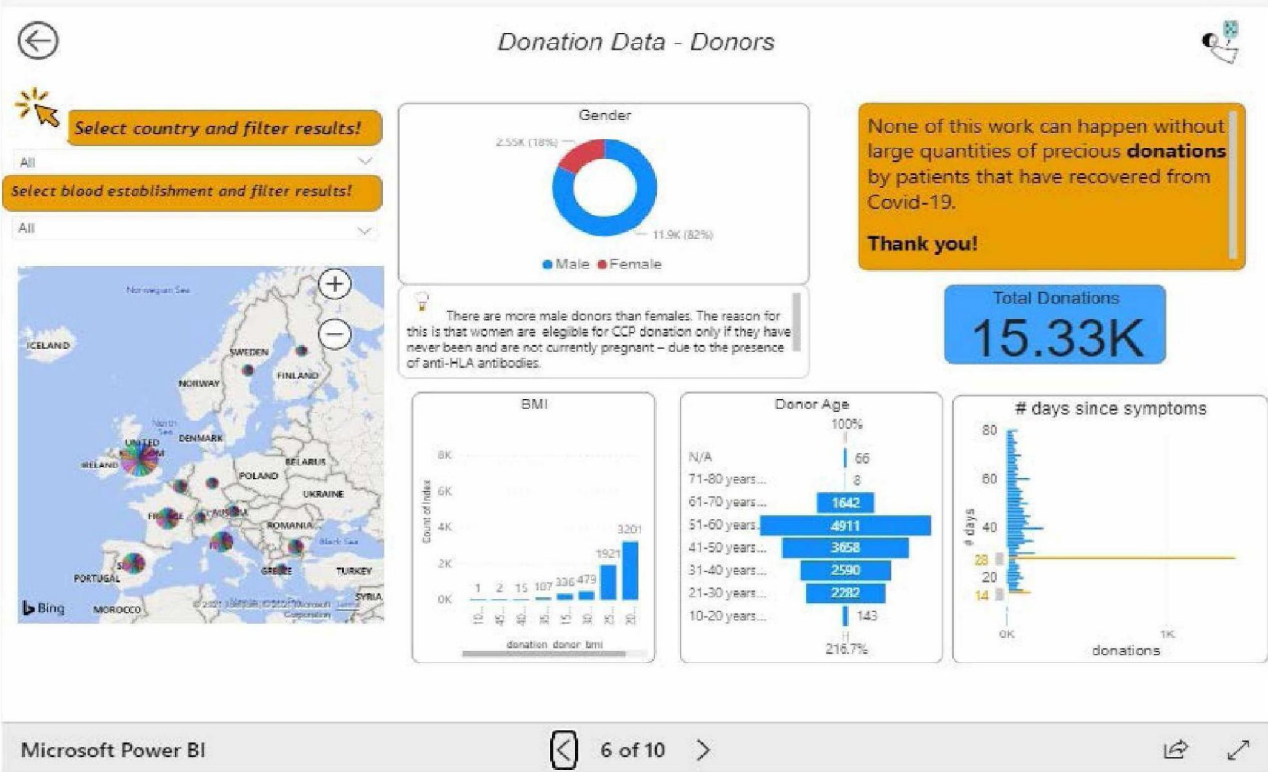
Health

# Examples of the Public Dashboards



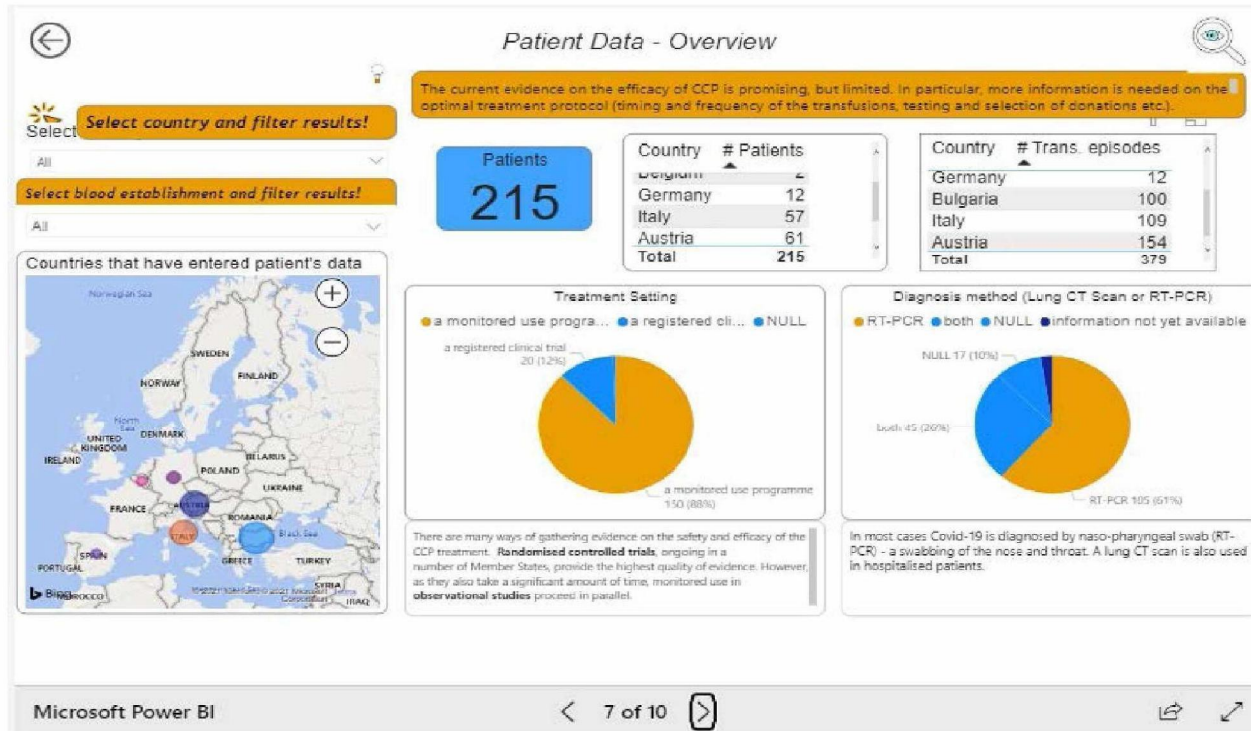
Health

# Examples of the Public Dashboards



Health

# Examples of the Public Dashboards



Health

# Examples of the Public Dashboards



Select country and filter results!

All

Select blood establishment and filter results!

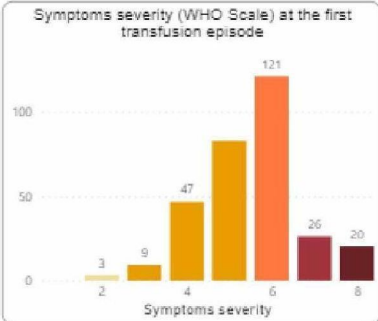
All

Countries that have entered patient's data

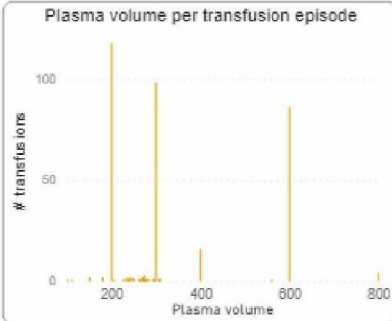


Transfusions  
**322**

Patients  
**215**



The WHO has defined a scale that describes the severity of Covid-19 symptoms. Patients transfused with CCP are assessed according to this scale at certain time points. The scale is from 1 to 8. 1 is the least severe and 8 the most.



This is recorded for each transfusion to help establish the optimal volume to transfuse.



From the public  
dashboards:



*86 Blood Establishments from 21 countries have registered;  
Data from 37 blood establishments has been entered in relation to 15,331  
donations and 27,341 plasma units;  
Data relating to 215 transfused patients has been entered;*

*97% donations collected by apheresis;  
51% donations undergo pathogen reduction;  
78% donations – multiple units are collected;  
82% of donors are male; largest number in the 51-60 years of age range;*

*88% of transfusions have occurred in a monitored use programme; 12%  
in CT;  
69% of patients are male, 31% female;  
72% have co-morbidities;*

Health

# Restricted Access Section



## EU CCP Platform

COVID - 19 convalescent plasma collection and transfusion

The European Commission is working together with Member States, the [European Blood Alliance \(EBA\)](#) and the [SUPPORT-E](#) project partners to provide a platform to support the study of convalescent plasma as a treatment for COVID-19 patients. The open-access database gathers and makes available data on convalescent plasma donations and patient outcomes following transfusions. It includes data from blood establishments regarding convalescent donors, plasma collection, and plasma components, as well as from clinical trials and from wider monitored use and will consolidate EU evidence on the safety and effectiveness of this therapy.

**Username\***  
Your email

**Password\***

**Sign In**



EU Covid-19 Convalescent Plasma Platform (EU CCP)\*

Blood Establishments Registered <b>86</b>	Countries <b>21</b>	Donations registered <b>15331</b> Plasma units <b>27341</b>	Transfused patients <b>215</b>
--	------------------------	--	-----------------------------------

Click on the icons to navigate through the dashboards!

Registered Access

Health

# Landing Page of Restricted Access Section



Switch module

DONATIONS

SIGN OUT

NEW DONATION      UPLOAD EXCEL      REVIEW DONATIONS

## EUCCP

- Donation Module
- Patient Module
- Clinical Use Module
- Analytics Module

What is the unique identifier of the donation? \*

max 255 characters

What was the date of donation?

dd/mm/yyyy

Please provide a past date

How was plasma collected? ▾

What was the age of the donor at the moment of donation? ▾

What was the BMI of the donor at the moment of donation? ▾

What is the sex of the donor? ▾

Fill in the number of days between the end of COVID-19 symptoms in the donor and this donation?

Health

# NB for NCAs:



Switch module

ANALYTICS

SIGN OUT

EXTRACT MY DATA

EXTRACT MY DONATION DATA

Extract My Patient Data (In Progress)

Kibana Tool For more detailed analysis of data (In Progress)

This function is available to NCAs –

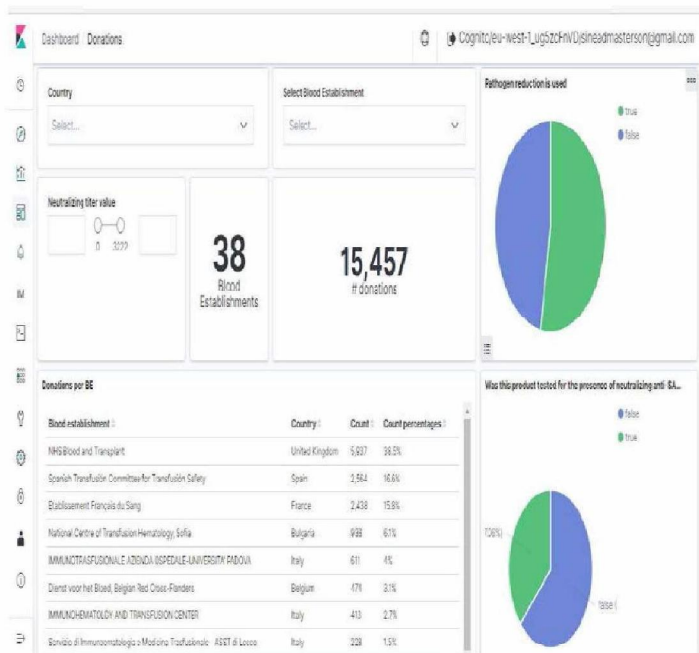
Possible to download country specific data!

Email: SANTE-SOHO@ec.europa.eu

Health



## Example of Kibana Dashboards



*Enables searching and interaction with the data;*

*Allows detailed analysis and creation of reports;*

*Enables creation and sharing of dashboards which get updated in realtime.*



## Priorities for functionality and user improvements:

- *Streamline registration process;*
- *Create a password reset function;*
- *Create a patient data extraction function in Analytics Module;*
- *Create Standardised Dashboards using Kibana in Analytics Module with more detailed comparative analysis of data for Registered users (In conjunction with WP3 of E-Support Project);*



## Priorities for functionality and user improvements:

- *Create and publish a user manual;*
- *Update FAQ on website;*
- *Organise training course for ESI grant recipients to encourage uploading of data to the EUCCP Platform;*
- *Examine what further information may need to be collected in line with emerging scientific knowledge e.g. Variants etc.*

Finally:



*Registration: [info@europeanbloodalliance.eu](mailto:info@europeanbloodalliance.eu)*

*General: [SANTE-SOHO@ec.europa.eu](mailto:SANTE-SOHO@ec.europa.eu)*

*Database: [CEF-BDTI-SUPPORT@ec.europa.eu](mailto:CEF-BDTI-SUPPORT@ec.europa.eu)*

Health