

Big Data Test Infrastructure Covid-19 Pilot Projects

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Overview of the Big Data Test Infrastructure (BDTI)

BDTI helps public administration improve the experience of the citizen, make government more efficient and boost business and the wider economy through big data. BDTI offers a **free** cloud-based platform, allowing Public Organisation to:



Experiment

with and create quick prototypes to verify and test data hypotheses or data visualisations



Data Sharing and Reuse

access a Data Sources Catalogue and sharing use case data across policy domains and organisations



Launch pilot projects

on big data and data analytics, through a selection of software tools and a ready-to-use test infrastructure



Receive support

and have access to best practices and methodologies on big data

Thanks to the BDTI the Public Administration can **experiment with Big Data technologies** and move towards **data-driven decision making**.

Use cases available



Descriptive analysis

Use of statistics to quantitatively describe features of a collection of information



Social Media Analysis

Gather and analyse data from social media to improve business decisions



Time-series Analysis

Analyse time series data in order to extract meaningful statistics and other data characteristics



Predictive analysis

Use statistical techniques that analyse current and historical facts to make predictions about future or unknown events



Network Analysis

Investigate any structures through the use of network and graph theories



Text Analysis

Use natural language processing to analyse unstructured text data, to derive pattern and trends



Covid-19 Analysis

Analyse Covid-19 information extracted from a dataset collecting data taken from medical papers

NEW

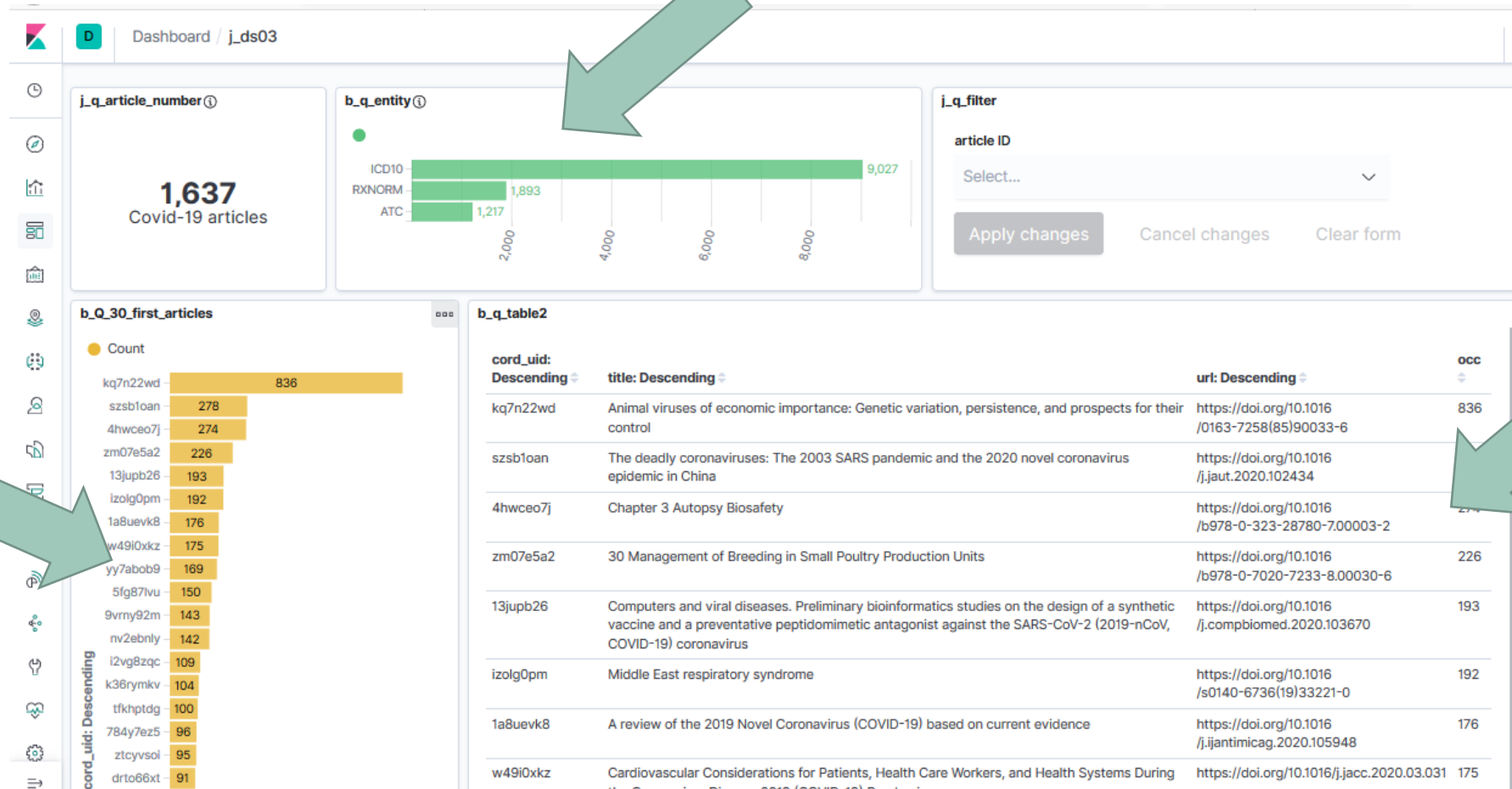


Support to Valencian Health administration to find the most relevant COVID-19 information

CEF's BDTI allow researchers in **Valencia**, Spain to **identify patterns** in the medical literature faster using **Machine Learning** and **Natural Language processing**

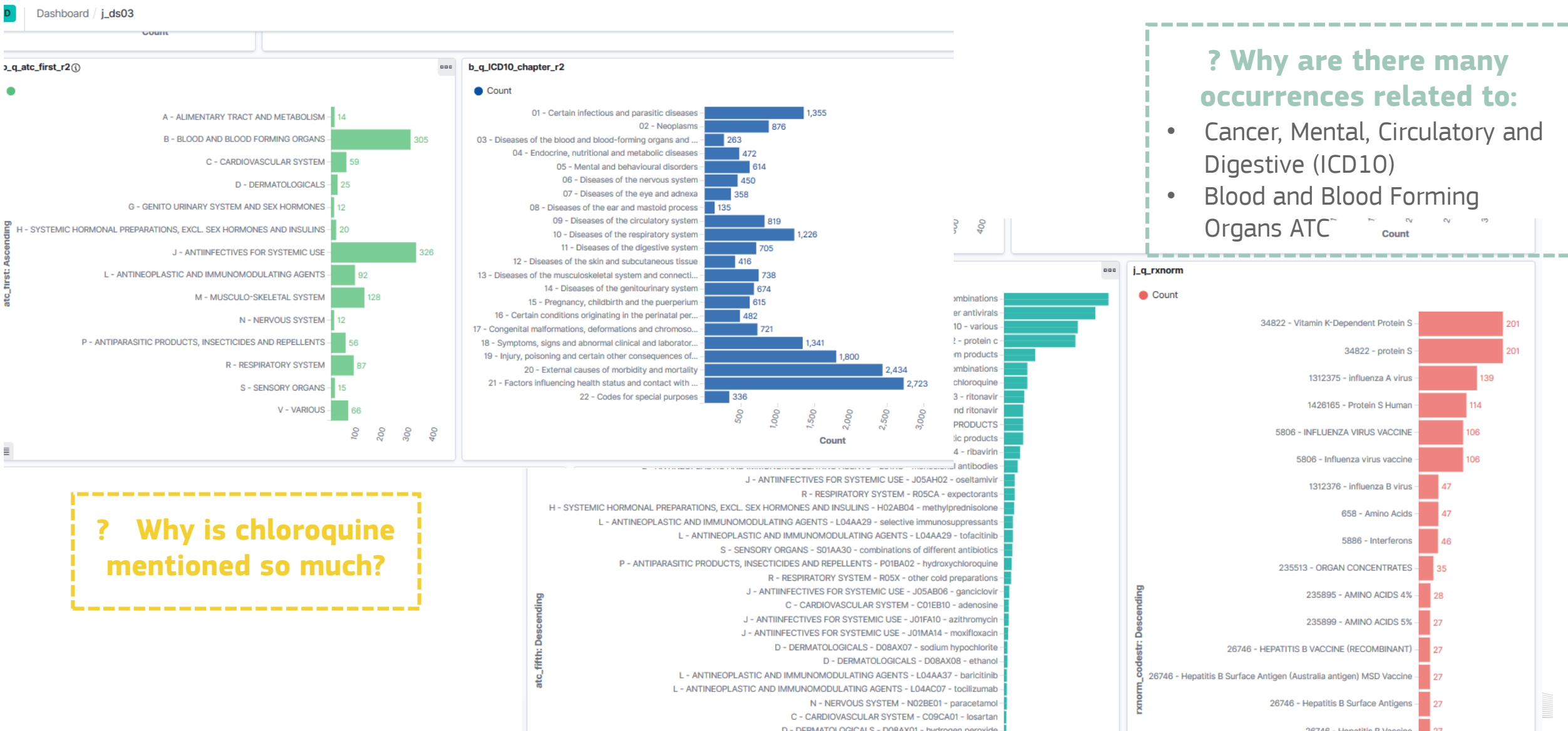
Use of scientific clinical evidence by applying big data

Number of times a medical term from a
specific classification found

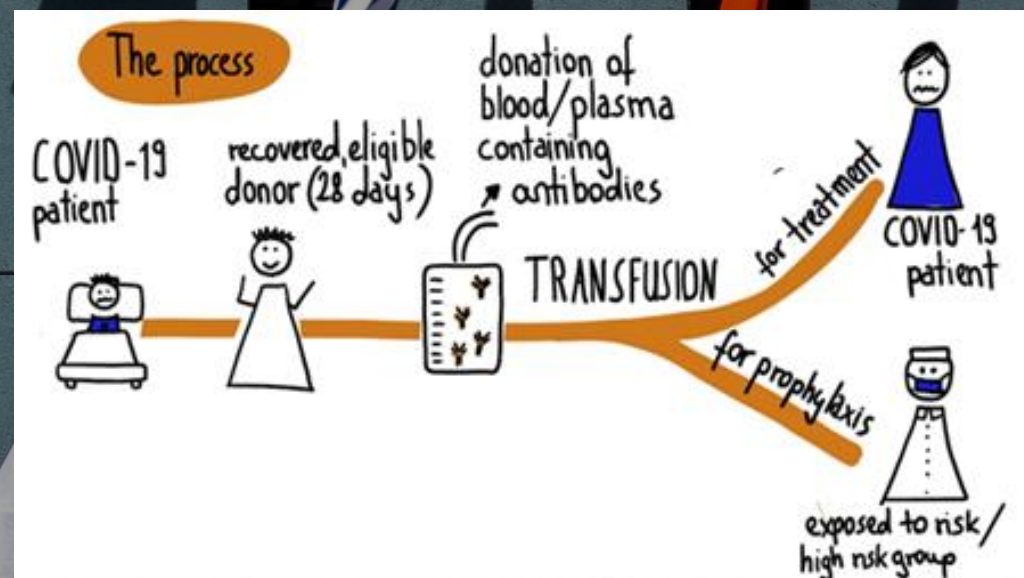


All articles listed –
ordered by relevance

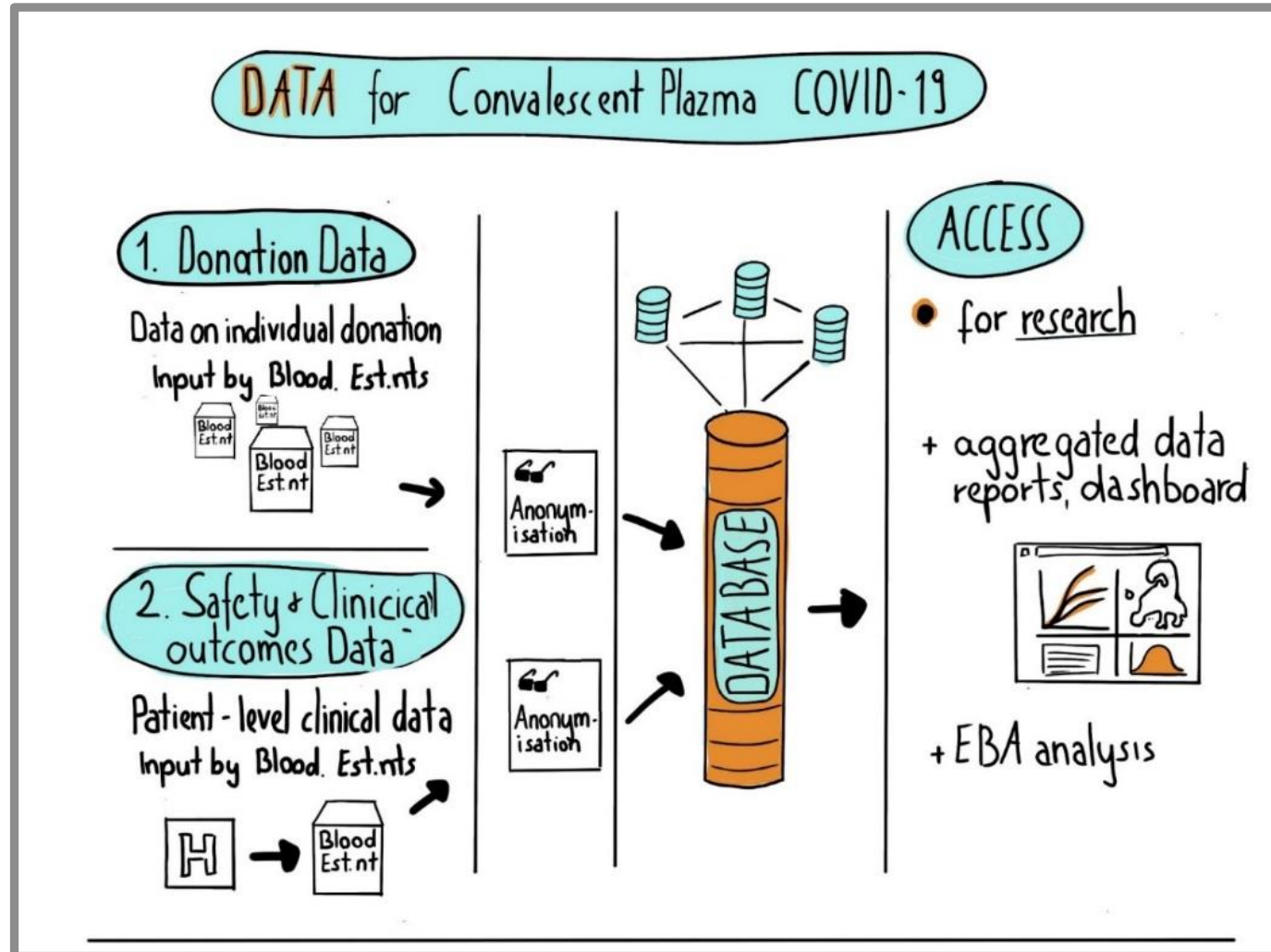
Use of scientific clinical evidence by applying big data



EU Analytics on the efficiency of the Convalescent Plasma Treatment on Covid-19 Patients



EU Covid-19 Convalescent Plasma Platform



EU Covid-19 Convalescent Plasma Platform

EUCCP

SIGN OUT

NEW DONATION

UPLOAD EXCEL

REVIEW DONATIONS

DASHBOARD



EU Covid19 Convalescent Plasma Platform Blood Establishment Registrations - Overview



Blood Establishments
requested to join
25

Countries
17

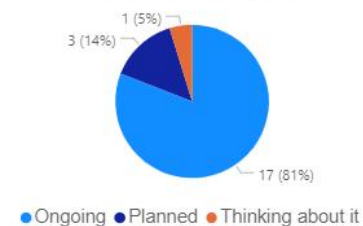
Blood Establishments
registered (filled form)
21

● Registered ● Requested

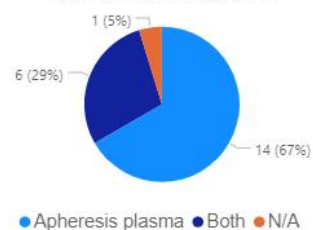


Country	# Requested	# Registered
Austria	3	2
Belgium	3	2
Bulgaria	2	2
Cyprus	1	1
Finland	1	1
France	2	2
Germany	1	1
Hungary	1	1
Ireland	1	1
Italy	2	2
Malta	1	1
Netherlands	1	1
North Macedonia	1	1
Poland	1	1
Spain	1	1
Sweden	2	2
Switzerland	1	1
Total	25	21

Convalescent plasma program



Type of Plasma collected



EU Covid-19 Convalescent Plasma Platform



EU Covid19 Convalescent Plasma Platform Donation Data - Biological characteristics

Countries that have entered donation data

