



Big Data innovations offer exciting opportunities for **bone marrow transplant professionals and hematologists** to rapidly select the most promising treatment for their patients.

- Experts of the HARMONY Alliance will be presenting at the 48<sup>th</sup> EBMT Annual Meeting.
- Watch the EMBT-HARMONY Joint Session (JS05) at the EMBT2022 virtual meeting platform.

European Public-Private Partnership for Big Data in Hematology.  
Accelerating better and faster treatment for Blood Cancer Patients.



## Using Big Data analytics to develop more personalized treatments for blood cancer patients

The HARMONY Alliance is a public-private partnership of more than 100 organizations from 18 European countries. HARMONY unites experts from hospitals, research institutes, patient organizations, pharmaceutical companies, regulatory agencies, IT companies and medical associations such as EBMT and EHA. The joint mission is to accelerate the development of more effective treatments for patients with Hematologic Malignancies (blood cancers). With a unique Big Data Platform, the HARMONY Alliance is fully equipped to facilitate state-of-the-art research into Hematologic Malignancies.

### HARMONY invites bone marrow transplant professionals to become involved

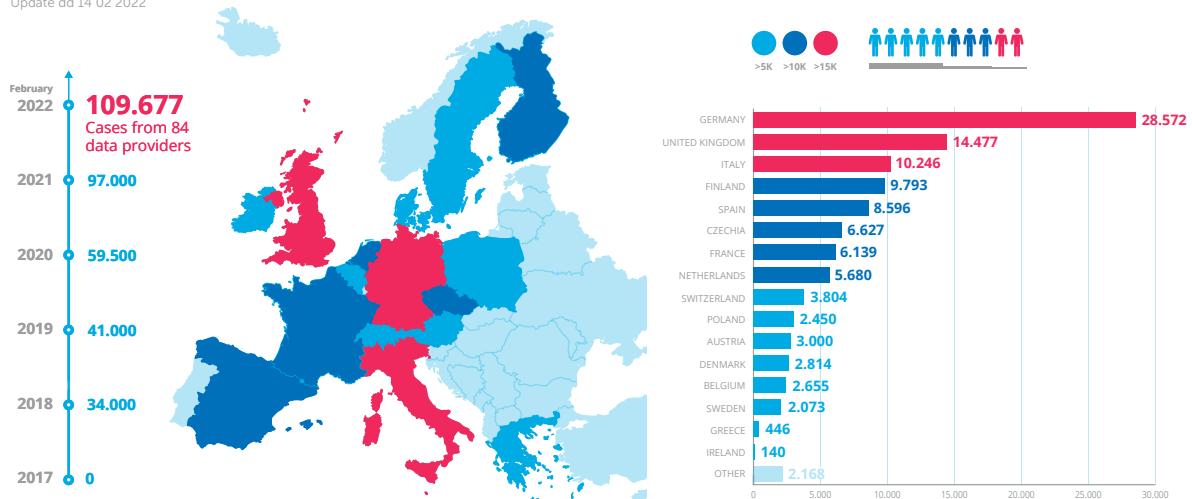
HARMONY's unique research infrastructure includes a data lake with almost 100,000 patient data sets identified, which has been developed in the past five years. Careful procedures have been installed to ensure the anonymization and quality of the data. In addition, HARMONY data scientists have developed sophisticated methods for data harmonization and analysis. Various Research Project teams are currently using the HARMONY Big Data Platform to answer critical research questions that cannot be addressed with other methods. Among other things, the results may allow physicians to determine the prognosis of patients more precisely and to tailor the treatment choice to the prognosis. HARMONY has already achieved fascinating research results in its mission towards better and faster treatment for patients with Hematologic Malignancies.

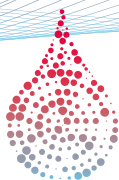
#### HARMONY Big Data Platform

**Data lake:** 100.000+ patient datasets identified / **Data:** anonymized and harmonized demographic and medical history data, diagnosis data, omics data, treatment data, QoL data, Healthcare economic resources data / **Integrated Services:** Big data analytics and Artificial Intelligence

#### Number of patient datasets identified per country

Update dd 14 02 2022

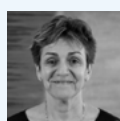




## Our participation in the virtual EBMT 48<sup>th</sup> Annual Meeting

**Watch the EBMT-HARMONY Joint session.** JS05 is virtual and launched on 19 March 2022 at the virtual EBMT2022 meeting platform and will be accessible until the end of May 2022.

### Program and speakers



**What value can Big Data technology add in the daily practice of bone marrow transplant professionals**

**Anna Sureda**, EBMT President elect and HARMONY Partner



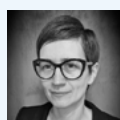
**Introducing the HARMONY Alliance (HARMONY and HARMONY PLUS) Mission, Activities and Achievements**

**Jesús M Hernández**, HARMONY IBSAL and HARMONY Coordinator



**Doing research within the HARMONY Alliance in AML: results, projects ahead, and core outcome sets development**

**Lars Bullinger**, Charité and Leader HARMONY Work Package Definitions of Outcomes



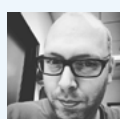
**The HARMONY Machine Learning Researching Tool to predict the risk of relapse after 1st Remission in AML Patients treated without Allogeneic Haematopoietic Stem Cell Transplantation**

**Marta Sobas**, Wrocław Medical University, HARMONY Associated Member



**The EBMT vision on potential opportunities for scientific collaboration between EBMT and HARMONY in AML**

**Fabio Ciceri**, EBMT Scientific Council, IRCCS Ospedale San Raffaele



**The building of a new EBMT platform: Coping with the needs of widening and easing collaboration with other international cell therapy registries/organizations**

**Bas Middelkoop**, EBMT Registry



**The HARMONY unique data anonymization concept, OMOP common data model for harmonizing and using data, and how HARMONY could help the EBMT to amplify its relevance and envision**

**Laura Tur Giménez**, GMV and Leader HARMONY Work Package Data Access



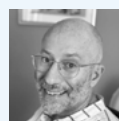
**The need for a public-private partnership incorporating all stakeholders involved in the management of hematologic malignancies for the benefit of the patients**

**Guillermo Sanz**, Health Research Institute La Fe and HARMONY Co-Chair



**Expectancies of the pharmaceutical industry in a successful EBMT-HARMONY collaboration**

**Frederico Calado**, Novartis Oncology and HARMONY Project Leader



**Closing message of the HARMONY Patient Cluster**

**Tamas Bereczky**, Leukanet, HARMONY Patient Cluster Partner and HARMONY Patient Cluster Lead

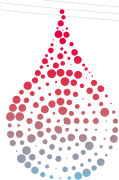


**Solène Clavreul**, Myeloma Patients Europe, HARMONY Patient Cluster Partner



**Connect with us!** EBMT2022 has merged into a full virtual conference, however we are very interested to talk to you in person. Please send us an email to book an introduction meeting: [communications@harmony-alliance.eu](mailto:communications@harmony-alliance.eu)

# HARMONY



ALLIANCE



## Become a HARMONY Alliance Associated Member:

Co-operative working groups, hospitals and academic institutions – based in Europe – are invited to collaborate and contribute data to the HARMONY Alliance.

### Contact us at:

**[communications@harmony-alliance.eu](mailto:communications@harmony-alliance.eu)**

Not a data provider, but still interested to become involved?  
Join our network and subscribe to our newsletters and invitations.



### Save these dates

Experts of the HARMONY Alliance will also be presenting at EHA2022, the annual congress of the European Hematology Association.

From 9-12 June at the Messe Wien Exhibition & Congress Center in Vienna, Austria and virtual through the congress platform.

From 15-17 June 2022 at the EHA2022 Thematic Days all virtual.



[www.harmony-alliance.eu](http://www.harmony-alliance.eu) | [www.bigdataforbloodcancer.eu](http://www.bigdataforbloodcancer.eu)



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HARMONY Alliance | Public-Private Partnership for Big Data in Hematology



Big Data for Blood Cancer