

# EUROCET

*European Network of Competent  
Authorities for Tissues and Cells*

## Report 2023

International data on  
donation-processing-distribution-transplantation  
process of Haematopoietic Progenitor Cells of human origin

# Year 2022

## European Network of Competent Authorities for Tissues and Cells

# Report 2023

This document has been produced and published by **EURO CET** with the data collected by Competent Authorities for Haematopoietic Progenitor Cells from European Member States (and other Extra EU countries).

The following report shows calculations regarding the whole donation-processing-distribution-transplantation process of Haematopoietic Progenitor Cells of human origin **for the year 2022**.

This year **23 countries** joined the data collection: - 20 EU Member States and 3 Extra EU countries (Moldova, Norway and Switzerland). (*Appendix I*)

This report is divided into four main sections based on the competence of the data presented. In each area, data are shown in tables concerning different aspects of the related activity:

### - Donor Registries<sup>1</sup>

The data is divided into three areas:

- **POTENTIAL DONATION:** In the first table, the stream of potential HPC donors and HPC cord blood units in the year of reference has been reported. This data is represented by the number available at the beginning of the year, the entries/exits during the year and the number available at the end of the year, in the registries.
- **SEARCHING IN THE NATIONAL REGISTRIES:** This area's data is shown in four different sub-sections: one reports the number of searches requested by origin of the request (from the own country, from a EU country, from an EXTRA EU country), while the following rows report the number of the searches performed both in the national registries (searches from the own country, from a EU country, from an EXTRA EU country) and the foreign registries for one's own country. The last sub-section collects the numbers of unrelated donation from one's own country, from an EU country, from an EXTRA EU country and by the origin of the request.
- **DISTRIBUTION AND EXCHANGE:** One table is completed with the data relative to the number of unrelated bone marrow, peripheral blood and cord blood distributed nationally received from and distributed to EU and EXTRA EU countries.

### - Donation Center:

This section collects data on the number of autologous and allogenic (related and unrelated) donation from bone marrow, peripheral blood and cord blood.

### - Cord Blood Banks<sup>2</sup>

This section includes data on CORD BLOOD BANKING and is made up by two tables, respectively:

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<sup>1</sup> See Glossary, Appendix II

<sup>2</sup> See Glossary, Appendix II

## European Network of Competent Authorities for Tissues and Cells

- UNRELATED CORD BLOOD collected, cryopreserved and distributed per ORIGIN: it reports the data on unrelated cord blood banking only, by number of units per origin (from own country, from EU country, from Extra EU country).
- RELATED CORD BLOOD collected, cryopreserved and distributed per ORIGIN: it reports the data on related cord blood banking only, by number of units per origin (from own country, from EU country, from Extra EU country).

### - Transplant Centers

This section includes a table on transplantation with data on the total number of transplants and one on other procedures associated with transplantation

- TRANSPLANTATION and RECIPIENTS per HPC's ORIGIN: it shows the number of first transplants and the number of recipients, by type of HPC (autologous, allogenic: related and unrelated), and also by HPC's origin (Bone Marrow, Peripheral Blood and Cord Blood).
- OTHER PROCEDURES associated with transplantation: it shows the number of procedures and recipients (autologous, related and unrelated per type of procedure (DLI, Other).

In order to provide readers with a better understanding of the reports and hoping in further future harmonisation of terms and definitions of the single data at international level at the end of this report a short glossary has been included intended to clarify the meaning of the data shown by the tables (*Appendix II*).

This glossary has been updated with definitions from both the “EU directive 24/2003 of the European Parliament and of the Council of 31 March 2004 on setting standards of quality and safety for the donation, procurement, testing, processing, preservation, storage and distribution of human tissues and cells” and the “Guide to the quality and safety of tissues and cells for human application, 5th Edition, 2022” by the Council of Europe.

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# Eurocet Registry

## Section 1: Donor Registries

### Potential donation

			Registered at 01/01 00:00		Enter in the year		Exit in the year		Registered at 31/12 24:00	
Year			HPC potential donor	HPC Cord blood units	HPC potential donor	HPC Cord blood units	HPC potential donor	HPC Cord blood units	HPC potential donor	HPC Cord blood units
MEMBER STATES OF EU										
BG	BULGARIA	2022				99				
HR	CROATIA	2022	61143	3675	850	46	450	0	61543	3721
CY	CYPRUS	2022	186333	3287	8244	7	3123	41	191454	3253
CZ	CZECH REPUBLIC	2022	139333	7825	11001	568	1423	242	148911	8151
DK	DENMARK	2022								
EE	ESTONIA	2022		0		0		0		0
FI	FINLAND	2022	62577	3335	4420	0	797	10	65108	3325
FR	FRANCE *	2022	337832	38163	38302	277	6910	174	369261	38266
DE	GERMANY	2022								
HU	HUNGARY	2022								
IT	ITALY	2022	469650	38355	28831	365	15075	22	483406	38698
LV	LATVIA	2022								
LT	LITHUANIA	2022	13530	57	551	9	62	0	14019	66
LU	LUXEMBOURG	2022								
NL	NETHERLANDS	2022	371123	5191	27132	13	4530	2	393725	5202
PT	PORTUGAL	2022	400798		2005		8977		393826	
RO	ROMANIA	2022	67079	20586						
SK	SLOVAKIA	2022	21437	1696	949	468	125	36	22261	2128
ES	SPAIN	2022	452552	64109	21903	299	6413	1999	468042	62409
SE	SWEDEN	2022							224814	4427
OTHER COUNTRIES										
MD	MOLDOVA	2022	0	0	0	0	0	0	0	0
NO	NORWAY	2022	37384	0	1835	0	1454	0	37765	0
CH	SWITZERLAND	2022	171709	5241	8138	146	1998	6	177849	5381

\* The donor database evolves every day due to daily donor registrations and cancellations. The number of "registered at 01/01 00:00" is computed from year N-1 annual report database, "Enter in the year", "Exit in the year" and "registered at 31/12 24:00" are computed from year N annual report database. Thus, differences may be observed between "registered at 31/12 24:00" and "registered at 01/01 00:00"+"enter in the year"-"exit in the year".



Empty fields: The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 1: Donor Registries

### Searching in the National Registries

#### 1 - SEARCHES REQUESTED (number)

			Year	ORIGIN of REQUEST			TOTAL searching requested
				COUNTRY	EU	Extra EU	
MEMBER STATES OF EU							
BG	BULGARIA	2022					
HR	CROATIA	2022	160	42	124	326	
CY	CYPRUS	2022	74	27605	305	27984	
CZ	CZECH REPUBLIC	2022	389	27643	26794	54826	
DK	DENMARK	2022					
EE	ESTONIA	2022	0	0	0	0	
FI	FINLAND *	2022	187	28364	28364	28551	
FR	FRANCE	2022	2289	7926	20023	30238	
DE	GERMANY	2022					
HU	HUNGARY	2022					
IT	ITALY	2022	2031	655	696	3382	
LV	LATVIA	2022					
LT	LITHUANIA	2022	115			115	
LU	LUXEMBOURG	2022					
NL	NETHERLANDS	2022	659	0	0	659	
PT	PORTUGAL	2022	279	509	856	1644	
RO	ROMANIA	2022					
SK	SLOVAKIA	2022	90	28077	38541	66708	
ES	SPAIN	2022				995	
SE	SWEDEN	2022					
OTHER COUNTRIES							
MD	MOLDOVA	2022	0	0	0	0	
NO	NORWAY	2022					
CH	SWITZERLAND	2022	57	317	287	661	

\* The search has been done for foreign patients (no statistics exist to tell how many for EU patients and how many for patients in third countries). The search is done simultaneously in the national and international registry.

 Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 1: Donor Registries

### Searching in the National Registries

#### 2 - SEARCHES PERFORMED (number)

		Year	- IN THE NATIONAL REGISTRY				- IN THE FOREIGN REGISTRY
			for own COUNTRY	for other EU country	for extra EU country	Total	Total for own COUNTRY
MEMBER STATES OF EU							
BG	BULGARIA	2022					
HR	CROATIA	2022	86	42	124	252	74
CY	CYPRUS	2022	74	27605	305	27984	74
CZ	CZECH REPUBLIC	2022	201	27643	26794	54638	188
DK	DENMARK	2022					
EE	ESTONIA	2022	0	0	0	0	0
FI	FINLAND	2022	187	28364	28364	28551	187
FR	FRANCE	2022	2289	7926	20023	30238	2273
DE	GERMANY	2022					
HU	HUNGARY	2022					
IT	ITALY	2022	2031	655	696	3382	2031
LV	LATVIA	2022					
LT	LITHUANIA	2022	115			115	115
LU	LUXEMBOURG	2022					
NL	NETHERLANDS	2022	659	0	0	659	659
PT	PORTUGAL	2022	279	509	856	1644	279
RO	ROMANIA	2022					
SK	SLOVAKIA	2022	90	28077	38541	66708	90
ES	SPAIN	2022	995			995	995
SE	SWEDEN	2022					
OTHER COUNTRIES							
MD	MOLDOVA	2022	0	0	0	0	0
NO	NORWAY	2022	197				240
CH	SWITZERLAND	2022	34	151	138	323	1046

 Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 1: Donor Registries

### HPC donation from National Registries

### 3 - UNRELATED DONATION (number)

	Year	Total unrelated donation	Total unrelated donation for COUNTRY request	COUNTRY to country	EU to country	EXTRA EU to country	Total unrelated donation for EU request	Total unrelated donation for EXTRA EU
<b>MEMBER STATES OF EU</b>								
BG BULGARIA	2022							
CY CYPRUS	2022	59	6	6	0	0	32	21
CZ CZECH REPUBLIC	2022	248	217	65	141	11	23	8
DE GERMANY	2022							
DK DENMARK	2022							
EE ESTONIA	2022	0	0	0	0	0	0	0
ES SPAIN	2022	567	567					
FI FINLAND	2022	101	79	22	53	4	11	11
FR FRANCE	2022	1267	1129	89	846	194	82	56
HR CROATIA	2022	66	63	12	45	6	2	1
HU HUNGARY	2022							
IT ITALY	2022	1089	967	213	518	236	69	53
LT LITHUANIA	2022	43	42	5	37	0	0	1
LU LUXEMBOURG	2022							
LV LATVIA	2022							
NL NETHERLANDS	2022	444	444	33	277	134	0	0
PT PORTUGAL	2022	134	86	24	50	12	24	24
RO ROMANIA	2022							
SE SWEDEN	2022							
SK SLOVAKIA	2022	74	74	5	63	6		
<b>OTHER COUNTRIES</b>								
CH SWITZERLAND	2022	256	173	6	132	35	48	35
MD MOLDOVA	2022	0	0	0	0	0	0	0
NO NORWAY	2022	120	102	6	70	26	8	10

Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 1: Donor Registries

### HPC Distribution and Exchange

#### 4 - EXCHANGE of UNRELATED BAGS (number)

		Year	Distributed NATIONALLY	RECEIVED			DISTRIBUTED		
				FROM EU	EXTRA EU	TOTAL	TO EU	EXTRA EU	TOTAL
<b>MEMBER STATES OF EU</b>									
BG	BULGARIA	2022	0	9	0	9	0	0	0
CY	CYPRUS	2022	10	0	0	0	32	21	53
CZ	CZECH REPUBLIC	2022	109	159	15	174	9	3	12
DE	GERMANY	2022	3292	788	1290	2078	2438	2621	5059
DK	DENMARK	2022			26			9	
EE	ESTONIA	2022	116	12	0	12	0	30	30
ES	SPAIN	2022	0	0	0	0	0	0	0
FI	FINLAND	2022	21	48	3	51	3	10	13
FR	FRANCE	2022	89	846	194	1040	82	56	138
HR	CROATIA	2022	12	45	6	51	2	1	3
HU	HUNGARY	2022	0	60	8	68	0	1	1
IT	ITALY	2022	218	524	244	768	77	62	139
LT	LITHUANIA	2022	7	45	0	45	0	0	0
LU	LUXEMBOURG	2022							
LV	LATVIA	2022							
NL	NETHERLANDS	2022	33	294	117	411	99	117	216
PT	PORTUGAL	2022	24	50	12	62	24	24	48
RO	ROMANIA	2022	14	953	19	972	881	379	1261
SE	SWEDEN	2022	183	135	31	166	73	58	131
SK	SLOVAKIA	2022	386	63	6	69	16	0	16
<b>OTHER COUNTRIES</b>									
CH	SWITZERLAND	2022	6	133	36	169	50	37	87
MD	MOLDOVA	2022	0	0	0	0	0	0	0
NO	NORWAY	2022	6	71	26	97	8	10	18

^ Data not provided for national and intra Eu exchange. Denmark does not collect data on national distribution and distribution to EU countries, separately

 Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice



# Eurocet Registry

## Section 1: Donor Registries

### HPC Distribution and Exchange

#### 5 - EXCHANGE of UNRELATED BAGS per SOURCE\* (number)

		Year	Distributed NATIONALLY			RECEIVED						DISTRIBUTED					
						INTRA EU			EXTRA EU			INTRA EU			EXTRA EU		
			BM	PB	CB	BM	PB	CB	BM	PB	CB	BM	PB	CB	BM	PB	CB
MEMBER STATES OF EU																	
BG	BULGARIA	2022	0	0	0	1	8	0	0	0	0	0	0	0	0	0	0
CY	CYPRUS	2022	1	9	0	0	0	0	0	0	0	2	30	0	1	19	1
CZ	CZECH REPUBLIC	2022	2	106	1	3	156	0	0	15	0	9	0	0	3	0	0
DE	GERMANY	2022	318	1859	1115	70	718	0	10	179	1101	251	2181	6	231	2359	31
DK	DENMARK	2022							8	18	0				0	9	0
EE	ESTONIA	2022	0	116	0	1	11	0	0	0	0	0	0	0	0	0	30
ES	SPAIN	2022															
FI	FINLAND	2022	4	17	0	9	39	0	0	3	0	0	3	0	0	10	0
FR	FRANCE	2022	12	57	20	107	714	25	19	146	29	6	48	28	3	24	29
HR	CROATIA	2022	1	11	0	8	37	0	0	6	0	1	1	0	0	1	0
HU	HUNGARY	2022	0	0	0	15	43	2	1	7	0	0	0	0	0	1	0
IT	ITALY	2022	32	181	5	55	463	6	34	202	8	15	54	8	10	43	9
LT	LITHUANIA	2022	1	6	0	2	43	0	0	0	0	0	0	0	0	0	0
LU	LUXEMBOURG	2022															
LV	LATVIA	2022															
NL	NETHERLANDS	2022	2	31	2	31	232	31	14	80	23	11	88	0	9	108	0
PT	PORTUGAL	2022															
RO	ROMANIA	2022	0	5	9	1	73	879	0	19	0	0	3	879	0	0	379
SE	SWEDEN	2022	17	166	0	21	114	0	3	28	0	6	66	1	8	49	1
SK	SLOVAKIA	2022	0	42	344	2	61	0	2	4	0	0	3	13	0	0	0
OTHER COUNTRIES																	
CH	SWITZERLAND	2022	0	6	0	8	124	1	1	34	1	4	44	2	7	28	2
MD	MOLDOVA	2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NO	NORWAY	2022	0	6	0	8	62	1	6	20	0	1	7	0	1	9	0

**BM** = Bone Marrow

\* Legenda **PB** = Peripheral Blood

**CB** = Cord Blood

^ Data not provided for national and intra Eu exchange. Denmark does not collect data on national distribution and distribution to EU countries, separately

! Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 2: Donation Centers

### HPC Donation Autologous and Allogenic

#### 1 - DONATION per TYPE (number)

		Year	Autologous	Allogenic				
				Total	Related	Unrelated	Total donation	
MEMBER STATES OF EU								
BG	BULGARIA	2022	2899	145	37	108		3044
CY	CYPRUS	2022	35	80	9	71		115
CZ	CZECH REPUBLIC	2022	1621	117	42	75		1738
DE	GERMANY	2022	7852	9747	965	8782		17599
DK	DENMARK <sup>A</sup>	2022						
EE	ESTONIA	2022	86	9	9	0		95
ES	SPAIN	2022	2259	807	807	0		3066
FI	FINLAND	2022	248	167	66	101		415
FR	FRANCE	2022	3098	1172	945	227		4270
HR	CROATIA	2022	579	437	37	400		1016
HU	HUNGARY	2022	307	73	72	1		380
IT	ITALY	2022	2841	8106	803	7303		10947
LT	LITHUANIA	2022	267	35	28	7		302
LU	LUXEMBOURG	2022						
LV	LATVIA	2022			216			216
NL	NETHERLANDS	2022	1243	484	235	249		1727
PT	PORTUGAL	2022	1510	184	56	128		1694
RO	ROMANIA	2022	11423	93	77	16		11511
SE	SWEDEN	2022	769	698	358	339		1467
SK	SLOVAKIA	2022	2673	781	39	742		3454
OTHER COUNTRIES								
CH	SWITZERLAND	2022	508	205	112	93		713
MD	MOLDOVA	2022	45	0	0	0		45
NO	NORWAY	2022	317	68	40	28		385

<sup>^</sup> Data not provided. In Denmark there is no distinction between autologous or allogenic (related/unrelated) in data collection

 Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 2: Donation Centers

### HPC Donation Autologous and Allogenic

#### 2 - DONATION per SOURCE of HPC\* (number)

Year			Autologous			Allogenic						TOTAL Allo(\$)	TOTAL donation		
						Related			Unrelated						
			BM	PB	CB	BM	PB	CB	BM	PB	CB				
MEMBER STATES OF EU															
BG	BULGARIA	2022	1	136	2762	2	35	0	1	8	99	145	4	179	2861
CY	CYPRUS	2022	0	35	0	0	0	9	4	67	0	80	4	102	9
CZ	CZECH REPUBLIC	2022	0	375	1246	3	27	12	11	64	0	117	14	466	1258
DE	GERMANY	2022	27	6673	1152	114	849	2	734	7466	582	9747	875	14988	1736
DK	DENMARK <sup>^</sup>	2022													
EE	ESTONIA	2022	0	56	30	0	9	0	0	0	0	9	0	65	30
ES	SPAIN	2022	11	2248	0	65	742	0				807	76	2990	0
FI	FINLAND	2022	3	245	0	12	54	0	14	87	0	167	29	386	0
FR	FRANCE	2022	2	3096		276	669		21	129	77	1172	299	3894	77
HR	CROATIA	2022	0	346	233	12	19	6	2	15	383	437	14	380	622
HU	HUNGARY	2022	1	306	0	2	70	0	0	1	0	73	3	377	0
IT	ITALY	2022	11	2827	3	209	471	123	32	335	6936	8106	252	3633	7062
LT	LITHUANIA	2022	0	267	0	1	27	0	0	7	0	35	1	301	0
LU	LUXEMBOURG	2022													
LV	LATVIA	2022						216							216
NL	NETHERLANDS	2022	2	1241	0	45	188	2	22	227	255	484	69	1656	257
PT	PORTUGAL	2022		836	674		56	0		6	122	184		898	796
RO	ROMANIA	2022	238	17	11168	70	7	0	14	2	0	93	322	21	11168
SE	SWEDEN	2022	4	765	0	20	74	265	23	204	112	698	47	1043	377
SK	SLOVAKIA	2022	0	157	2516	5	26	8	3	17	722	781	8	200	3246
OTHER COUNTRIES															
CH	SWITZERLAND	2022	0	508	0	11	101	0	11	78	4	205	22	687	4
MD	MOLDOVA	2022	8	0	37	0	0	0	0	0	0	0	8	0	37
NO	NORWAY	2022	0	317	0	12	28	0	2	26	0	68	14	371	0

<sup>^</sup> Data not provided. In Denmark there is no distinction between autologous or allogenic (related/unrelated) in data collection

**BM** = Bone Marrow

\* Legenda **PB** = Peripheral Blood

**CB** = Cord Blood

**§** Where total allogenic does not correspond to the numbers reported, the CA did not provide disaggregated data for some categories but total numbers for related and unrelated donation



Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 3: Cord Blood Banks

### HPC Cord Blood Banking (units)

		Year	Collected		Cryopreserved		Distributed	
			Related	Unrelated	Related	Unrelated	Related	Unrelated
MEMBER STATES OF EU								
BG	BULGARIA	2022	2762	99	2762	99	0	0
CY	CYPRUS	2022	1941	0	1816	0	1	1
CZ	CZECH REPUBLIC	2022	6	568	6	534	0	0
DE	GERMANY	2022	87	6			0	0
DK	DENMARK	2022		0		0		0
EE	ESTONIA	2022	24	0	0	0	0	0
ES	SPAIN	2022						115
FI	FINLAND	2022	0	0	0	0	0	0
FR	FRANCE	2022		38266		277		77
HR	CROATIA	2022	6	383	6	25	0	0
HU	HUNGARY	2022	0	1	0	1	0	1
IT	ITALY	2022	123	6936	115	371	2	22
LT	LITHUANIA	2022	0	0	0	0	0	0
LU	LUXEMBOURG	2022						
LV	LATVIA	2022	218	0	33	0	0	0
NL	NETHERLANDS	2022	2	255	2	14	2	2
PT	PORTUGAL	2022	27	692	27	692	0	0
RO	ROMANIA	2022						
SE	SWEDEN	2022	265	112	883	5453	0	2
SK	SLOVAKIA	2022	8	386	8	241	0	13
OTHER COUNTRIES								
CH	SWITZERLAND	2022		146		146		4
MD	MOLDOVA	2022	37	0	37	0	0	0
NO	NORWAY	2022	0	0	0	0	0	0



**Empty fields:** The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 3: Cord Blood Banks

### HPC Cord Blood Banking

#### 1 - UNRELATED CORD BLOOD per ORIGIN (units)

	Year	Collected			Cryopreserved			Distributed		
		from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country
MEMBER STATES OF EU										
BG BULGARIA	2022	99	0	0	91	0	0	0	0	0
CY CYPRUS	2022	0	0	0	0	0	0	1	0	0
CZ CZECH REPUBLIC	2022	370	198	0	343	191	0	0	0	0
DE GERMANY	2022	6	0	0				0	0	0
DK DENMARK	2022									
EE ESTONIA	2022	0	0	0	0	0	0	0	0	0
ES SPAIN	2022	299			299			102		
FI FINLAND	2022	0	0	0	0	0	0	0	0	0
FR FRANCE	2022	38266	0	0	277	0	0	77	0	0
HR CROATIA	2022	383	0	0	25	0	0	0	0	0
HU HUNGARY	2022	0	1	0	0	1	0	0	1	0
IT ITALY	2022	6936	0	0	371	0	0	22	0	0
LT LITHUANIA	2022	0	0	0	0	0	0	0	0	0
LU LUXEMBOURG	2022									
LV LATVIA	2022	0	0	0	0	0	0	0	0	0
NL NETHERLANDS	2022	255	0	0	14	0	0	2	0	0
PT PORTUGAL	2022	692	0	0	692	0	0	0	0	0
RO ROMANIA	2022									
SE SWEDEN	2022	112	0	0	5453	0	0	0	1	1
SK SLOVAKIA	2022	386	0	0	241	0	0	13	0	0
OTHER COUNTRIES										
CH SWITZERLAND	2022	146	0	0	146	0	0	4		
MD MOLDOVA	2022	0	0	0	0	0	0	0	0	0
NO NORWAY	2022	0	0	0	0	0	0	0	0	0



Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 3: Cord Blood Banks

### HPC Cord Blood Banking

#### 2 - RELATED CORD BLOOD per ORIGIN (units)

	Year	Collected			Cryopreserved			Distributed		
		from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country
MEMBER STATES OF EU										
BG BULGARIA	2022	2762	0	0	2762	0	0	0	0	0
CY CYPRUS	2022	754	1045	142	710	972	134	0	1	0
CZ CZECH REPUBLIC	2022	6	0	0	6	0	0	0	0	0
DE GERMANY	2022	56	31	0				0	0	0
DK DENMARK	2022									
EE ESTONIA	2022	24	0	0	0	0	0	0	0	0
ES SPAIN	2022									
FI FINLAND	2022	0	0	0	0	0	0	0	0	0
FR FRANCE	2022									
HR CROATIA	2022	6	0	0	6	0	0	0	0	0
HU HUNGARY	2022	5681	0	0	4683	0	0	0	0	0
IT ITALY	2022	123	0	0	115	0	0	2	0	0
LT LITHUANIA	2022	70	0	0	68	0	0	0	0	0
LU LUXEMBOURG	2022									
LV LATVIA	2022	218	0	0	33	0	0	0	0	0
NL NETHERLANDS	2022	2	0	0	2	0	0	2	0	0
PT PORTUGAL	2022	27	0	0	27	0	0	0	0	0
RO ROMANIA	2022									
SE SWEDEN	2022	0	0	0	0	0	0	0	0	0
SK SLOVAKIA	2022	8	0	0	8	0	0	0	0	0
OTHER COUNTRIES										
CH SWITZERLAND	2022									
MD MOLDOVA	2022	37	0	0	37	0	0	0	0	0
NO NORWAY	2022	0	0	0	0	0	0	0	0	0



Empty fields: The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 4: Transplant Centers

### HPC Transplantation

#### 1 - Transplantation and Recipient per type (number)

		Year	AUTOLOGOUS		ALLOGENIC				Total	
					RELATED		UNRELATED			
			Transplants	Recipients	Transplants	Recipients	Transplants	Recipients	Transplants	Recipients
MEMBER STATES OF EU										
BG	BULGARIA	2022	137	137	37	37	9	9	183	183
CY	CYPRUS	2022		31					0	31
CZ	CZECH REPUBLIC	2022	470	364	74	71	180	167	724	602
DE	GERMANY	2022	4352	3810	744	743	2409	2390	7505	6943
DK	DENMARK	2022							0	0
EE	ESTONIA	2022	54		9		9		72	0
ES	SPAIN	2022	2259	0	807	0	564	0	3630	0
FI	FINLAND	2022	219	217	23	23	101	101	343	341
FR	FRANCE	2022	2325		891		1097		4313	0
HR	CROATIA	2022	235	164	26	22	56	55	317	241
HU	HUNGARY	2022	265	212	67	56	63	59	395	327
IT	ITALY	2022	3443	2721	958	894	969	920	5370	4535
LT	LITHUANIA	2022	163	120	29	27	99	57	291	204
LU	LUXEMBOURG	2022							0	0
LV	LATVIA	2022							0	0
NL	NETHERLANDS	2022	3346	1040	540	196	857	427	4743	1663
PT	PORTUGAL	2022	265	261	30	27	23	20	318	308
RO	ROMANIA	2022	189	179	74	68	161	138	424	385
SE	SWEDEN	2022	487	441	87	83	248	232	822	756
SK	SLOVAKIA	2022	168	143	29	29	321	320	518	492
OTHER COUNTRIES										
CH	SWITZERLAND	2022	448	374	112	95	173	152	733	621
MD	MOLDOVA	2022	8	0	0	0	0	0	8	0
NO	NORWAY	2022	144	106	7	7	104	104	255	217



Empty fields:

The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice

# Eurocet Registry

## Section 4: Transplant Centers

### HPC Transplantation

#### 2 - Tranplantation and Recipient per source of HPC (number)

	Year	AUTOLOGOUS						ALLOGENIC											
								Related						Unrelated					
		Bone Marrow		Peripheral Blood		Cord Blood		Bone Marrow		Peripheral Blood		Cord Blood		Bone Marrow		Peripheral Blood		Cord Blood	
		Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient
MEMBER STATES OF EU																			
BG BULGARIA	2022	1	1	136	136	0	0	2	2	35	35	0	0	1	1	8	8	0	0
CY CYPRUS	2022		0		31		0												
CZ CZECH REPUBLIC	2022	1	1	469	363	0	0	10	10	64	61	0	0	6	6	174	161	0	0
DE GERMANY	2022	4	3	4348	3807	0	0	124	123	619	619	1	1	210	191	2182	2182	17	17
DK DENMARK	2022																		
EE ESTONIA	2022	0		54				0		9		0		1		8		0	
ES SPAIN	2022	11		2248		0		65		742		0		51		500		13	
FI FINLAND	2022	3	2	216	215			11	11	12	12	0	0	14	14	87	87	0	0
FR FRANCE	2022	2320		5		0		272		617		2		136		901		60	
HR CROATIA	2022	0	0	235	164	0	0	13	11	13	11	0	0	9	9	47	46	0	0
HU HUNGARY	2022	1	1	263	210	1	1	2	2	65	54	0	0	12	12	49	45	2	2
IT ITALY	2022	11	11	3428	2708	4	2	209	197	748	696	1	1	118	112	830	795	21	13
LT LITHUANIA	2022	0	0	163	120	0	0	2	2	27	25	0	0	2	2	97	55	0	0
LU LUXEMBOURG	2022																		
LV LATVIA	2022																		
NL NETHERLANDS <sup>A</sup>	2022	0	0	3346	1040			41	40	498	155	1	1	83	55	710	328	64	44
PT PORTUGAL	2022			265	261					30	27					23	20		
RO ROMANIA	2022	0	0	187	177	2	2	0	0	74	68	0	0	40	40	121	98	0	0
SE SWEDEN	2022	2	2	485	439	0	0	20	20	67	63	0	0	26	25	222	207	1	1
SK SLOVAKIA	2022	0	0	160	135	8	8	4	4	25	25	0	0	5	5	63	62	253	253
OTHER COUNTRIES																			
CH SWITZERLAND	2022	0	0	448	374	0	0	11	11	100	83	1	1	7	6	164	144	2	2
MD MOLDOVA	2022	8	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
NO NORWAY	2022	0	0	144	106	0	0	0	0	7	7	0	0	14	14	89	89	1	1

<sup>^</sup> Data of transplantation from Peripheral blood: the number is partial (in nr of transplants for 3/11 transplant centres, in nr of bags for 8/11 tx centre)

 **Empty fields:** The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice



# Eurocet Registry

## Section 4: Transplant Centers

### OTHER PROCEDURE associated with HPC transplantation

#### 1 - Donor Lymphocyte Infusion

Year			Autologous		Allogenic			
					Related		Unrelated	
			N° of procedures	N° of Recipients	N° of procedures	N° of Recipients	N° of procedures	N° of Recipients
MEMBER STATES OF EU								
CZ	CZECH REPUBLIC	2022	0	0	26	12	105	58
FI	FINLAND	2022	0	0	9	9	9	9
FR	FRANCE	2022		0		208		159
HR	CROATIA	2022	0	0	11	6	14	8
HU	HUNGARY	2022	0	0	39	26	33	21
IT	ITALY	2022			44	44	72	71
LT	LITHUANIA	2022	0	0	13	2	24	15
NL	NETHERLANDS	2022	0	0	87	70	161	124
SE	SWEDEN	2022	0	0	35	13	73	52
SK	SLOVAKIA	2022	0	0	2	2	2	1
OTHER COUNTRIES								
CH	SWITZERLAND	2022			11	11	19	19
MD	MOLDOVA	2022	0	0	0	0	0	0
NO	NORWAY	2022	0	0	0	0	0	0

 Empty fields:

*The corresponding activity is present in the country but the CA does not collect the data yet or has no information on its practice*

# Eurocet Registry

## Section 4: Transplant Centers

### OTHER PROCEDURE associated with HPC transplantation

#### 2 - Other Procedures (°)

Year			Autologous		Allogenic				Total	
					Related		Unrelated			
			N° of procedures	N° of Recipients	N° of procedures	N° of Recipients	N° of procedures	N° of Recipients	N° of procedures	N° of Recipients
MEMBER STATES OF EU										
CZ	CZECH REPUBLIC	2022	163	28	0	0	0	0	163	28
DE	GERMANY	2022							1505	608
EE	ESTONIA	2022	0	0	0	0	0	0	0	0
HR	CROATIA	2022	11	11	2	2	0	0	13	13
HU	HUNGARY	2022	0	0	8	8	11	10	19	18
IT	ITALY	2022	0	0	0	0	3	3	3	3
LT	LITHUANIA	2022	0	0	0	0	3	1	3	1
SK	SLOVAKIA	2022	35	21	100	12	63	15	198	48
OTHER COUNTRIES										
MD	MOLDOVA	2022	0	0	0	0	0	0	0	0
NO	NORWAY	2022	0	0	0	0	0	0	0	0

(°) It includes: Mezencymal cell, CAR-T cells, CD34+, ECP

## European Network of Competent Authorities for Tissues and Cells

### Appendix I

List of countries and Competent Authorities providing data for **2022**

#### ✓ Austria

BASG - Bundesamt für Sicherheit im Gesundheitswesen - Federal Office for Safety in Health Care  
AGES - Österreichische Agentur für Gesundheit und Ernährungssicherheit - Austrian Agency for Health and Food Safety

#### Belgium

#### ✓ Bulgaria

Министерство на здравеопазването Изпълнителна агенция „Медицински надзор“ (Bulgarian Executive Agency Medical Supervision)

#### ✓ Croatia

Ministarstvo zdravstva Zavod za transplantaciju i biomedicine Služba za transplantaciju (Ministry of Health and Social Welfare)

#### ✓ Cyprus

Υπουργείο Υγείας της Κυπριακής Δημοκρατίας - Ιατρικές Υπηρεσίες και Υπηρεσίες Δημόσιας Υγείας (MOH - Medical and Public Health Services)

#### ✓ Czechia

Ministerstvo zdravotnictví České republiky (MZCR) (Ministry of Health of the Czech Republic)  
Koordináční Středisko Transplantací (KST) (Czech National Transplant Coordinating Centre)

#### ✓ Denmark

Styrelsen for Patientsikkerhed/Danish Patient Safety Authority (STPS)

#### ✓ Estonia

Ravimiamet (Estonian State Agency of Medicines)

#### ✓ Finland

Lääkealan turvallisuus- ja kehittämiskeskus (FIMEA) (Finnish Medicines Agency)

#### ✓ France

Agence de la Biomédecine (ABM) (French Biomedicine Agency)

#### ✓ Germany

Paul-Ehrlich-Institut (PEI) (Division of Medical Biotechnology)  
Bundesministerium für Gesundheit (BMG) (Federal Ministry of Health)

#### Greece

#### ✓ Hungary

Nemzeti Népegészségügyi Központ (National Public Health Center and Medical Officer Service)

#### Ireland

#### ✓ Italy

Centro Nazionale Trapianti (CNT) (Italian National Transplant Centre)

## European Network of Competent Authorities for Tissues and Cells

✓ <b>Latvia</b> Zāļu valsts aģentūra (ZVA) - State Agency of Medicines of the Republic of Latvia
✓ <b>Lithuania</b> Nacionalinis Transplantacijos Biuras (NTB) (National Transplant Bureau)
<b>Luxembourg</b>
<b>Macedonia</b>
<b>Malta</b>
✓ <b>Moldova</b> AT - (The Transplant Agency)
✓ <b>Netherlands</b> Ministerie van Volksgezondheid, Welzijn en Sport (MINVWS) (Ministry of Health, Welfare and Sport)
✓ <b>Norway</b> Helsedirektoratet (HDIR) (Norwegian Directorate of Health)
<b>Poland</b>
✓ <b>Portugal</b> Instituto Português do Sangue e da Transplantação (IPST) (Institute for Blood and Transplantation Services) Direção-Geral da Saúde (DGS) (Directorate-General of Health)
✓ <b>Romania</b> Agentia Națională de Transplant (National Transplant Agency)
✓ <b>Slovakia</b> Ministerstvo zdravotníctva Slovenskej republiky (NTO) (National Transplant Organisation)
<b>Slovenia</b>
✓ <b>Spain</b> Organización Nacional de Trasplantes (ONT) (National Transplant Organization)
✓ <b>Sweden</b> Health and Social Care Inspectorate (IVO)
✓ <b>Switzerland</b> Bundesamt für Gesundheit - Sektion Transplantation und Fortpflanzungsmedizin/Office fédéral de la santé publique - Section Transplantation et Procréation Médicalement assistée (FOPH/BAG) (Federal Office for Public Health – Sub-Division Transplantation and Reproductive Medicine)
<b>Turkey</b>
<b>United Kingdom</b>

## European Network of Competent Authorities for Tissues and Cells

### Appendix II

## Glossary

#### —■ A

**Allogeneic use:** cells removed from one person and applied to another.

**Autologous use:** cells removed from and applied in the same person.

#### —■ B

**Banking:** Processing, preservation, storage and distribution of cells for human application or other purposes, including research and training.

**Bone Marrow:** Tissue at the centre of large bones. It is the place where new blood cells are produced. Bone marrow contains two types of stem cell: haematopoietic (which can produce blood cells) and stromal (which can produce fat, cartilage and bone). In this collection: as a source of hematopoietic stem cells or mesenchymal stem cells.

#### —■ C

**Cells:** means individual human cells or a collection of human cells when not bound by any form of connective tissue.

**Collection:** any procedure for procuring a cellular therapy product regardless of technique or source (Synonym: harvest).

**Competent Authority (or Health Authority/Regulatory Authority/Regulatory Agency):** the body which has been delegated with the responsibility for ensuring that tissue and cell donation, banking and human application are appropriately promoted, regulated and monitored in the interests of donor and patient safety and public transparency on a national or regional basis by their government.

**Cord Blood:** Blood collected from placental vessels and umbilical cord blood vessels after the umbilical cord is clamped and/or severed as a source of haematopoietic progenitor cells.

**Cord Blood Bank:** An organisation responsible for donor management and the collection, processing, testing, cryopreservation, storage, listing, reservation, release, and distribution of cord blood units.

**Cryopreservation:** Preservation and storage of viable tissues and cells (including gametes and embryos) to preserve viability, either by freezing or vitrification, or alternatively (to extend their viable life) by low-temperature storage.

## European Network of Competent Authorities for Tissues and Cells

### —■ D

**Distribution:** transportation and delivery of tissues or cells intended for human applications.

**Donation:** donating human tissues or cells intended for human applications.

**Donation centre:** An organisation responsible for donor recruitment, consenting, testing, management and the collection of donor personal, genetic, medical data.

**Donor:** Every human source, whether living or deceased of human cells.

**Donor Registry:** An organisation responsible for coordination of the search for haematopoietic stem cells from donors (including cord blood) unrelated to the potential recipient.

### —■ H

**HPC Transplant Centre:** A medical facility where a patient (recipient) receives a transplant (graft) with HSC from an unrelated donor or from an umbilical cord blood unit. The TC oversees the immediate medical treatment and provides long-term follow-up of the recipient. The search unit undertakes the search for an unrelated donor for specific patients using criteria defined and documented by the TC. This entity may be contained within a TC or may be separate from the TC. If separate, the search unit may coordinate searches for one or several TCs. In the standards, reference to a TC should be interpreted as a TC and/or a search unit as appropriate. Transplant centres/search units seeking an international donor work through the registry in their country.

**Hematopoietic Progenitor Cells (HPC):** Primitive haematopoietic cells capable of self-renewal as well as maturation into any of the haematopoietic lineages, including committed and lineage-restricted progenitor cells, unless otherwise specified and regardless of tissue source. Also referred to as 'haematopoietic stem cells'.

**Human Application:** The use of tissues or cells on or in a human recipient.

**Human tissues and cells for human application:** Material containing or consisting of human tissues and/or cells intended for implantation, transplantation, infusion, or transfer into a human recipient.

### —■ N

**Number of cells distributed:** the total number transported or delivered to a clinical unit (as Article 3 (k) of Directive 2004/23/EC defines. **Distribution:** *"means transportation and delivery of tissues or cells intended for human applications"* (Article 3 (k) Directive 2004/23/EC), whereas '**human application**' is defined in the same article as follows: *"means the use of tissues or cells on or in a human recipient and extracorporeal applications".*)

### —■ O

**Organisation responsible for human application:** means a healthcare establishment or a unit of a hospital or another body which carries out human application of human tissues and cells

## European Network of Competent Authorities for Tissues and Cells

### —■ P

**Peripheral Blood:** in this collection: HSC hematopoietic stem cells collected in peripheral blood by apheresis.

**Potential donor:** Any person who has no medical contraindications for organ, tissue or cell donation and who meets the definition of a deceased heartbeating donor, deceased non-heartbeating donor or living donor.

**Procurement organisation:** means a health care establishment or a unit of a hospital or another body that undertakes the procurement of human tissues and cells and that may not be accredited, designated, authorised or licensed as a tissue establishment.

### —■ R

**Recipient:** Person to whom human tissues, cells or reproductive cells and embryos are applied.

**Related:** Existence of a genetic relationship between donor and recipient.

### —■ S

**Search Performed:** Number of searches for compatibility performed in the marrow registry.

### —■ T

**Transplantation/implantation/grafting:** Transfer (engraftment) of human tissues or cells from a donor to a recipient with the aim of restoring function(s) in the body.

**Transplant Centre:** See Organisation responsible for human application.

### —■ U

**Unique donation number:** The unique number attributed to a specific donation of tissues and cells in line with the system in place in each Member State for allocating such numbers, as further specified in Annex VII to Commission Directive (EU) 2015/565.

**Unrelated:** Where there exists no genetic relationship between donor and recipient.