

# EUROCET

*European Network of Competent  
Authorities for Tissues and Cells*

## Report 2024

International data on  
donation-processing-distribution-transplantation  
process of **H**aematopoietic **P**rogenitor **C**ells of human origin

# Year 2023

## European Network of Competent Authorities for Tissues and Cells

# Report 2024

This document has been produced and published by **EUROCET** 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 2023**.

This year **25 countries** joined the data collection: - **21** EU Member States and **4** Extra EU countries (Moldova, Norway, Switzerland and United Kingdom). (*Appendix I*)

United Kingdom provided data only for Northern Ireland.

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										
AT	AUSTRIA	2023	118658						123152	80
BG	BULGARIA	2023				104				
HR	CROATIA	2023	61543	3721	1474	8	820	0	62197	3729
CY	CYPRUS	2023	191513	3258	9406	1	7902		192958	3254
CZ	CZECH REPUBLIC	2023	149002	8150	10942	774	1417	720	158527	8204
DK	DENMARK	2023								
EE	ESTONIA	2023								
FI	FINLAND	2023	65108	3325	7513	0	802	198	72976	3127
FR	FRANCE	2023	369261	38266	23407	250	7129	66	385559	38450
DE	GERMANY	2023								
HU	HUNGARY	2023	7021	0	68	0	145	0	6944	0
IT	ITALY	2023	483406	38698	29086	363	15738	660	496754	38401
LV	LATVIA	2023								
LT	LITHUANIA	2023	13944	0	165	0	57	0	14052	0
LU	LUXEMBOURG	2023								
NL	NETHERLANDS	2023	393725	4714	25554	5	6478	10	412620	4709
PT	PORTUGAL	2023	393826	15298	1032	5194	10954	2	383904	157600
RO	ROMANIA	2023	78130	0						
SK	SLOVAKIA	2023	22261	2128	2222	1468	645	1082	23838	2525
SI	SLOVENIA	2023	21727	341	518	0	536	0	21829	341
ES	SPAIN	2023	468042	62409	23686	230	7562	547	484175	62097
SE	SWEDEN	2023							239583	5454
OTHER COUNTRIES										
MD	MOLDOVA	2023								
NO	NORWAY	2023	37765	0	1857	0	1412	0	38210	0
CH	SWITZERLAND	2023	177849	5381	8645	124	3403	4	183091	5501
UK	UNITED KINGDOM*	2023								

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						
AT	AUSTRIA	2023				
BG	BULGARIA	2023				
HR	CROATIA	2023	194	124	115	433
CY	CYPRUS	2023	74	29764	149	29987
CZ	CZECH REPUBLIC	2023	289	16205	42688	59182
DK	DENMARK	2023				
EE	ESTONIA	2023				
FI	FINLAND *	2023	197	30649	30649	30649
FR	FRANCE	2023	2413	8628	21696	32737
DE	GERMANY	2023				
HU	HUNGARY	2023				261
IT	ITALY	2023	2197	760	840	3797
LV	LATVIA	2023				
LT	LITHUANIA	2023				106
LU	LUXEMBOURG	2023				
NL	NETHERLANDS	2023	781	0	0	781
PT	PORTUGAL	2023	297	567	950	1814
RO	ROMANIA	2023				
SK	SLOVAKIA	2023	77	9030	20365	29472
SI	SLOVENIA	2023	32	15	49	96
ES	SPAIN	2023	1260	0	0	1260
SE	SWEDEN	2023				
OTHER COUNTRIES						
MD	MOLDOVA	2023				
NO	NORWAY	2023				200
CH	SWITZERLAND	2023	43	357	348	748
UK	UNITED KINGDOM	2023				

\* 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							
AT	AUSTRIA	2023					
BG	BULGARIA	2023					
HR	CROATIA	2023	103	124	115	342	91
CY	CYPRUS	2023	74	29764	149	29987	74
CZ	CZECH REPUBLIC	2023	157	16205	42688	59050	132
DK	DENMARK	2023					
EE	ESTONIA	2023					
FI	FINLAND *	2023	197	30649	30649	30649	197
FR	FRANCE	2023	2413	8628	21696	32737	2404
DE	GERMANY	2023					
HU	HUNGARY	2023	0	7	2	9	244
IT	ITALY	2023	2197	760	840	3797	2197
LV	LATVIA	2023					
LT	LITHUANIA	2023	106				106
LU	LUXEMBOURG	2023					
NL	NETHERLANDS	2023	781	0	0	781	781
PT	PORTUGAL	2023	297	567	950	1814	297
RO	ROMANIA	2023					
SK	SLOVAKIA	2023	77	0	0	77	77
SI	SLOVENIA	2023	32	15	49	96	32
ES	SPAIN	2023					
SE	SWEDEN	2023					
OTHER COUNTRIES							
MD	MOLDOVA	2023					
NO	NORWAY	2023	200				0
CH	SWITZERLAND	2023	21	173	164	358	1017
UK	UNITED KINGDOM*	2023					

\* 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

### 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>								
AT AUSTRIA	2023							
BG BULGARIA	2023							
CY CYPRUS	2023	54	5	5			32	17
CZ CZECH REPUBLIC	2023	333	244	85	142	17	70	19
DE GERMANY	2023							
DK DENMARK	2023							
EE ESTONIA	2023							
ES SPAIN	2023	396	185	185			111	100
FI FINLAND	2023	140	106	36	65	5	22	12
FR FRANCE	2023	1402	1242	129	889	224	94	66
HR CROATIA	2023	60	58	5	48	5	2	0
HU HUNGARY	2023	74	73	0	63	10	0	1
IT ITALY	2023	1172	1010	241	543	226	91	71
LT LITHUANIA	2023	68	66	7	58	1	2	0
LU LUXEMBOURG	2023							
LV LATVIA	2023							
NL NETHERLANDS	2023	482	482	40	332	110	0	0
PT PORTUGAL	2023	141	96	19	55	22	21	24
RO ROMANIA	2023							
SE SWEDEN	2023							
SI SLOVENIA	2023	30	27	3	21	3	1	2
SK SLOVAKIA	2023	66	64	3	59	2	2	0
<b>OTHER COUNTRIES</b>								
CH SWITZERLAND	2023			7	146	47	36	38
MD MOLDOVA	2023							
NO NORWAY	2023	176	158	11	123	24	6	12
UK UNITED KINGDOM*	2023							

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
MEMBER STATES OF EU									
AT	AUSTRIA	2023	9	127	9	136	31	23	54
BG	BULGARIA	2023	0	26	0	26	0	0	0
CY	CYPRUS	2023					32	17	54
CZ	CZECH REPUBLIC	2023	148	196	20	216	33	19	52
DE	GERMANY	2023	3185	576	243	819	2660	2673	5333
DK	DENMARK	2023			33	153		12	751
EE	ESTONIA	2023	177	17	0	17	0	40	40
ES	SPAIN	2023	185			634	300	96	396
FI	FINLAND	2023	36	65	5	70	22	12	34
FR	FRANCE	2023	129	889	224	1113	94	66	160
HR	CROATIA	2023	5	43	5	48	2	0	2
HU	HUNGARY	2023	0	63	10	73	0	1	1
IT	ITALY	2023	243	546	233	779	96	79	175
LT	LITHUANIA	2023	7	72	1	73	2	0	2
LU	LUXEMBOURG	2023							
LV	LATVIA	2023							
NL	NETHERLANDS	2023	40	332	110	442	109	119	228
PT	PORTUGAL	2023	635	55	23	78	24	24	48
RO	ROMANIA	2023	8	73	22	95	4	0	4
SE	SWEDEN	2023	141	159	37	196	89	71	160
SI	SLOVENIA	2023	108	21	0	21	0	0	0
SK	SLOVAKIA	2023	771	59	2	61	467	0	467
OTHER COUNTRIES									
CH	SWITZERLAND	2023	7	146	47	193	37	38	75
MD	MOLDOVA	2023							
NO	NORWAY	2023	11	123	24	147	6	12	18
UK	UNITED KINGDOM*	2023	0	15	63	78	0	0	0

^ Total is distribution plus import . In Denmark there is no distinction between distribution to national or EU-countries and no division 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





## 4 - EXCHANGE of UNRELATED BAGS (number)

Year	Distributed NATIONALLY	RECEIVED			DISTRIBUTED		
		FROM EU	EXTRA EU	TOTAL	TO EU	EXTRA EU	TOTAL

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

^ Total is distribution plus import . In Denmark there is no distinction between distribution to national or EU-countries and no division 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 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																			
AT	AUSTRIA	2023	0	9	0	11	115	1	1	8	0	3	28	0	3	20	0		
BG	BULGARIA	2023	0	0	0	1	25	0	0	0	0	0	0	0	0	0	0		
CY	CYPRUS	2023											2	30			2	13	2
CZ	CZECH REPUBLIC	2023	1	147	0	5	191	0	0	20	0	2	29	2	0	19	0		
DE	GERMANY	2023	288	2897	0	52	524	0	16	226	1	279	2368	13	250	2411	12		
DK	DENMARK^	2023				4			0	6	23	4			0	1	11	0	
EE	ESTONIA	2023	0	177	0	1	16	0	0	0	0	0	0	0	0	0	40		
ES	SPAIN	2023											22				52		
FI	FINLAND	2023	6	30	0	5	60	0	1	4	0	3	18	1	0	12	0		
FR	FRANCE	2023	17	88	24	107	761	21	38	163	23	10	67	17	6	42	18		
HR	CROATIA	2023	0	5	0	1	42	0	0	5	0	1	1	0	0	0	0		
HU	HUNGARY	2023	0	0	0	14	47	2	2	8	0	0	0	0	0	1	0		
IT	ITALY	2023	28	213	2	53	490	3	18	208	7	9	82	5	8	63	8		
LT	LITHUANIA	2023	0	7	0	0	72	0	0	1	0	0	2	0	0	0	0		
LU	LUXEMBOURG	2023																	
LV	LATVIA	2023																	
NL	NETHERLANDS	2023	12	28		28	290	14	17	80	13	10	99	2	9	110	1		
PT	PORTUGAL	2023	20	615	0	55		0	22		1	22		2	24		0		
RO	ROMANIA	2023	4	0	4	1	63	9	7	1	14	0	4	0	0	0	0		
SE	SWEDEN	2023	10	130	1	9	149	1	4	33	0	10	79	0	5	64	2		
SI	SLOVENIA	2023	0	108	0	0	21	0	0	0	0	0	0	0	0	0	3		
SK	SLOVAKIA	2023	0	3	768	1	58	0	0	2	0	0	2	465	0	0	0		
OTHER COUNTRIES																			
CH	SWITZERLAND	2023	0	7	0	8	138	0	1	46	0	5	31	1	6	32	0		
MD	MOLDOVA	2023																	
NO	NORWAY	2023	2	9		10	113		4	20		3	3		2	10			
UK	UNITED KINGDOM*	2023	0	0		0	15		0	63		0	0		0	0			

**BM** = Bone Marrow  
**PB** = Peripheral Blood  
**CB** = Cord Blood

^ Data not provided for national and intra Eu exchange, total is distribution plus import. In Denmark data collection have no division between distribution to national or EU-countries

 **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 donation	
				Total	Related	Unrelated		
MEMBER STATES OF EU								
AT	AUSTRIA	2023	604	272	139	133		876
BG	BULGARIA	2023	2778	157	27	130		2935
CY	CYPRUS	2023	42	54		54		96
CZ	CZECH REPUBLIC	2023	1611	236	28	208		1847
DE	GERMANY	2023	9599	9674	946	8728		19273
DK	DENMARK <sup>A</sup>	2023						895
EE	ESTONIA	2023	103	4	4	0		107
ES	SPAIN	2023		368		368		368
FI	FINLAND	2023	223	360	63	74		583
FR	FRANCE	2023	3201	1232	943	289		4433
HR	CROATIA	2023	537	369	48	321		906
HU	HUNGARY	2023	357	158	81	77		417
IT	ITALY	2023	3792	8870	945	7925		12662
LT	LITHUANIA	2023	307	150	138	12		457
LU	LUXEMBOURG	2023	106					
LV	LATVIA	2023			209			
NL	NETHERLANDS	2023	1468	475	210	265		1943
PT	PORTUGAL	2023	680	141	68	73		821
RO	ROMANIA	2023	9947	86	75	11		10033
SE	SWEDEN	2023	742	712	412	300		1454
SI	SLOVENIA	2023	89	39	15	24		129
SK	SLOVAKIA	2023	2807	1728	40	1688		4535
OTHER COUNTRIES								
CH	SWITZERLAND	2023	525	204	129	75		729
MD	MOLDOVA	2023	55					55
NO	NORWAY	2023	315	53	25	28		368
UK	UNITED KINGDOM*	2023	146	8	0	8		154

<sup>^</sup> In Denmark there is no distinction between autologous or allogenic (related/unrelated) in data collection, only total number has been provided

 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		BM	PB	CB
MEMBER STATES OF EU															
AT	AUSTRIA	2023	0	604	0	21	118	0	11	122	0	272	32	844	0
BG	BULGARIA	2023	0	131	2647	0	27	0	1	25	104	157	1	183	2751
CY	CYPRUS	2023	3	34	5				4	48	2	54	7	82	7
CZ	CZECH REPUBLIC	2023	0	344	1267	4	21	3	5	203	0	236	9	568	1270
DE	GERMANY	2023	33	6034	3532	142	799	5	742	7689	297	9674	917	14522	3834
DK	DENMARK^	2023											25	866	4
EE	ESTONIA	2023	0	63	40	0	4	0	0	0	0	4	0	67	40
ES	SPAIN	2023							22	346		368	22	346	
FI	FINLAND	2023	2	221	0	4	59	0	14	59	1	360	22	560	1
FR	FRANCE	2023	5	3196		260	683		33	197	59	1232	298	4076	59
HR	CROATIA	2023	0	312	225	13	26	9	1	6	314	369	14	344	548
HU	HUNGARY	2023	0	362	0	6	78	0	13	62	2	158	19	404	2
IT	ITALY	2023	8	3776	8	196	662	87	28	432	7465	8870	232	4870	7560
LT	LITHUANIA	2023	0	307	0	0	43	95	0	12	0	150	0	362	95
LU	LUXEMBOURG	2023		106											
LV	LATVIA	2023					209								
NL	NETHERLANDS	2023	7	1461		45	164	1	28	237	196	475	80	1862	197
PT	PORTUGAL	2023	0	680	5194	12	56		5	68		141	17	804	
RO	ROMANIA	2023	0	379	9568	0	75	0	0	11	0	86	0	465	9568
SE	SWEDEN	2023	1	741	0	20	76	316	34	251	15	712	55	1068	331
SI	SLOVENIA	2023	0	89	0	0	15	8	0	24	0	39	0	129	8
SK	SLOVAKIA	2023	0	117	2690	0	29	11	0	6	1682	1728	0	152	4383
OTHER COUNTRIES															
CH	SWITZERLAND	2023	0	525	0	14	115	0	11	63	1	204	25	703	1
MD	MOLDOVA	2023	28	0	27								28	0	27
NO	NORWAY	2023		315		9	16		8	20		53	17	351	
UK	UNITED KINGDOM*	2023	0	146		0	0		1	7		8	1	153	

<sup>^</sup> In Denmark there is no distinction between autologous or allogenic (related/unrelated) in data collection, only total number has been provided

Legenda

**BM** = Bone Marrow

**PB** = Peripheral Blood

**CB** = Cord Blood



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								
AT	AUSTRIA	2023						
BG	BULGARIA	2023	2647	104	2647	104	0	0
CY	CYPRUS	2023	244		242			2
CZ	CZECH REPUBLIC	2023	776	0	740	0	1	0
DE	GERMANY	2023	298	5	298	5		
DK	DENMARK	2023						
EE	ESTONIA	2023	40	0				
ES	SPAIN	2023						
FI	FINLAND	2023					0	0
FR	FRANCE	2023		38450		250		59
HR	CROATIA	2023	9	314	9	24	0	0
HU	HUNGARY	2023	0	2	0	2	0	2
IT	ITALY	2023	87	7465	77	374	5	15
LT	LITHUANIA	2023	0	0	95	0	95	0
LU	LUXEMBOURG	2023						
LV	LATVIA	2023	209	0	29	0		0
NL	NETHERLANDS	2023	1	196	1	22	0	3
PT	PORTUGAL	2023	7363	0	6650	0	2	
RO	ROMANIA	2023						
SE	SWEDEN	2023	316	15	1147	5456	0	1
SI	SLOVENIA	2023	545	2	545	2	545	2
SK	SLOVAKIA	2023	11	1682	11	1462	5	951
OTHER COUNTRIES								
CH	SWITZERLAND	2023		124		124		1
M	MOLDOVA	2023	27		27		0	
NO	NORWAY	2023						
UK	UNITED KINGDOM*	2023						



**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										
AT AUSTRIA	2023									
BG BULGARIA	2023	104	0	0	99	0	0	0	0	0
CY CYPRUS	2023									
CZ CZECH REPUBLIC	2023	0	0	0	0	0	0	0	0	0
DE GERMANY	2023	5	0	0	5	0	0	0	0	0
DK DENMARK	2023									
EE ESTONIA	2023	0								
ES SPAIN	2023									
FI FINLAND	2023							0	0	0
FR FRANCE	2023	38450	0	0	250	0	0	59	0	0
HR CROATIA	2023	314	0	0	24	0	0	0	0	0
HU HUNGARY	2023	0	2	0	0	2	0	0	2	0
IT ITALY	2023	7465	0	0	374	0	0	15	0	0
LT LITHUANIA	2023	0	0	0	0	0	0	0	0	0
LU LUXEMBOURG	2023									
LV LATVIA	2023	0	0	0	0	0	0	0	0	0
NL NETHERLANDS	2023	196			22			3		
PT PORTUGAL	2023									
RO ROMANIA	2023									
SE SWEDEN	2023	15	0	0	5456	0	0	0	1	0
SI SLOVENIA	2023	2	0	0	2	0	0	2	0	0
SK SLOVAKIA	2023	1682	0	0	1462	0	0	951	0	0
OTHER COUNTRIES										
CH SWITZERLAND	2023	124	0	0	124	0	0	1	0	0
MD MOLDOVA	2023									
NO NORWAY	2023									
UK UNITED KINGDOM*	2023									



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										
AT AUSTRIA	2023									
BG BULGARIA	2023	2647	0	0	2647	0	0	0	0	0
CY CYPRUS	2023	817	932	139	757	895	128			
CZ CZECH REPUBLIC	2023	494	282	0	469	271	0	0	1	0
DE GERMANY	2023	297	0	1	297	0	1	0	0	0
DK DENMARK	2023									
EE ESTONIA	2023	40								
ES SPAIN	2023									
FI FINLAND	2023							0	0	0
FR FRANCE	2023									
HR CROATIA	2023	9	0	0	9	0	0	0	0	0
HU HUNGARY	2023	1	0	0	1	0	0	0	0	0
IT ITALY	2023	87	0	0	77	0	0	5	0	0
LT LITHUANIA	2023	0	0	0	95	0	0	95	0	0
LU LUXEMBOURG	2023									
LV LATVIA	2023	209	0	0	29	0	0	0	0	0
NL NETHERLANDS	2023	1			1			0		
PT PORTUGAL	2023	5194	2168	1	4617	203	1	0	2	0
RO ROMANIA	2023									
SE SWEDEN	2023	316	0	0	1147	0	0	0	0	0
SI SLOVENIA	2023	545	0	0	545	0	0	545	0	0
SK SLOVAKIA	2023	11	0	0	11	0	0	5	0	0
OTHER COUNTRIES										
CH SWITZERLAND	2023									
MD MOLDOVA	2023	27	0	0	27	0	0	0	0	0
NO NORWAY	2023									
UK UNITED KINGDOM*	2023									

 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	
			Transplants	Recipients	RELATED		UNRELATED			
					Transplants	Recipients	Transplants	Recipients	Transplants	Recipients
MEMBER STATES OF EU										
AT	AUSTRIA	2023	319	270	113	104	145	136	577	510
BG	BULGARIA	2023	131	131	27	27	26	26	184	184
CY	CYPRUS	2023	25						25	0
CZ	CZECH REPUBLIC	2023	443	356	45	39	210	192	698	587
DE	GERMANY	2023	4604	3856	896	873	2843	2894	8343	7623
DK	DENMARK	2023							0	0
EE	ESTONIA	2023	64		4		17		85	0
ES	SPAIN	2023	2261		841		537		3639	0
FI	FINLAND	2023	234	233	58	58	92	92	384	383
FR	FRANCE	2023	2727		939		1231		4897	0
HR	CROATIA	2023	158	130	35	32	53	49	246	211
HU	HUNGARY	2023	295	236	99	96	76	74	470	406
IT	ITALY	2023	3366	2764	968	908	1023	989	5357	4661
LT	LITHUANIA	2023	168	125	29	25	63	59	260	209
LU	LUXEMBOURG	2023	38						38	0
LV	LATVIA	2023							0	0
NL	NETHERLANDS	2023	4329	1008	253	188	640	477	5222	1673
PT	PORTUGAL	2023	482	451	63	62	95	88	640	601
RO	ROMANIA	2023	238	238	53	42	0	70	291	350
SE	SWEDEN	2023	461	346	88	87	207	200	756	633
SI	SLOVENIA	2023	89	89	15	15	32	32	136	136
SK	SLOVAKIA	2023	129	118	29	29	53	53	211	200
OTHER COUNTRIES										
CH	SWITZERLAND	2023	454	352	128	113	199	168	781	633
MD	MOLDOVA	2023	28						28	0
NO	NORWAY	2023			26		143		169	0
UK	UNITED KINGDOM*	2023			1		0		1	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

#### 2 - Transplantation 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																			
AT AUSTRIA	2023	0	0	319	270	0	0	19	19	94	85	0	0	13	12	132	124	0	0
BG BULGARIA	2023	0	0	131	131	0	0	0	0	27	27	0	0	1	1	25	25	0	0
CY CYPRUS	2023			25															
CZ CZECH REPUBLIC	2023	0	0	442	355	1	1	6	6	39	33	0	0	5	5	205	187	0	0
DE GERMANY	2023	28	23	4576	3833	0	0	110	117	786	756	0	0	188	181	2654	2712	1	1
DK DENMARK	2023																		
EE ESTONIA	2023	0		64				0		4				2		15			
ES SPAIN	2023	16		2245		0		76		764		1		61		462		14	
FI FINLAND	2023	1	1	233	232			7	7	51	51			14	14	78	78		
FR FRANCE	2023	2		2725		0		253		682		4		162		1015		54	
HR CROATIA	2023	0	0	158	130	0	0	13	13	22	19	0	0	1	1	52	48	0	0
HU HUNGARY	2023	0	0	295	236	0	0	6	6	93	90	0	0	16	16	58	56	2	2
IT ITALY	2023	8	7	3355	2755	3	2	196	185	768	719	4	4	94	92	919	891	10	6
LT LITHUANIA	2023	0	0	168	125	0	0	0	0	29	25	0	0	0	0	63	59	0	0
LU LUXEMBOURG	2023			38															
LV LATVIA	2023																		
NL NETHERLANDS	2023	1	1	4328	1007			47	45	206	143	0	0	63	55	541	392	36	30
PT PORTUGAL	2023	0	0	482	451	0	0	11	11	51	50	1	1	3	3	92	85	0	0
RO ROMANIA	2023																		
SE SWEDEN	2023	0	0	461	346	0	0	19	19	69	68	0	0	22	22	182	175	3	3
SI SLOVENIA	2023	0	0	89	89	0	0	0	0	15	15	0	0	0	0	24	24	8	8
SK SLOVAKIA	2023	0	0	129	118	0	0	1	1	28	28	0	0	1	1	52	52	0	0
OTHER COUNTRIES																			
CH SWITZERLAND	2023	0	0	454	352	0	0	14	13	113	99	1	1	9	9	190	159	0	0
MD MOLDOVA	2023	28		0		0													
NO NORWAY	2023			306				9		17				3		140			
UK UNITED KINGDOM*	2023							1		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

#### 1 - Donor Lymphocyte Infusion

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	2023	0	0	28	17	64	41	92	58
FI	FINLAND	2023	0	0	7	2	12	4	19	6
FR	FRANCE	2023		0		181		224	0	405
HR	CROATIA	2023	0	0	13	10	19	10	32	20
HU	HUNGARY	2023	0	0	32	27	20	18	52	45
IT	ITALY	2023					68	67	68	67
LT	LITHUANIA	2023	0	0	4	3	20	9	24	12
NL	NETHERLANDS	2023			65	63	233	206	298	269
PT	PORTUGAL	2023	1	1	7	6	17	5	25	12
SE	SWEDEN	2023	0	0	30	19	35	22	65	41
SI	SLOVENIA	2023	0	0	0	0	0	0	0	0
SK	SLOVAKIA	2023	0	0	11	5	11	4	22	9
OTHER COUNTRIES										
CH	SWITZERLAND	2023			34	22	61	47	95	69
MD	MOLDOVA	2023	0	0					0	0
NO	NORWAY	2023			4	3	17	12	21	15
UK	UNITED KINGDOM*	2023		0		8		0	0	8

 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

*It includes: Mezencymal cell, CAR-T cells, CD34+, ECP, etc.*

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										
AT	AUSTRIA	2023	84	84	0	0	0	0	84	84
CZ	CZECH REPUBLIC^	2023	143	26	0	0	0	0	143	26
DE	GERMANY	2023	1805	817	0	0	0	0	1505	608
HR	CROATIA	2023	0	0	0	0	0	0	0	0
HU	HUNGARY°	2023	0	0	12	12	35	14	47	26
IT	ITALY	2023	0	0	0	0	3	3	3	3
PT	PORTUGAL	2023	27	27	0	0	0	0	27	27
SI	SLOVENIA	2023	0	0	0	0	0	0	0	0
SK	SLOVAKIA*	2023	38	13	26	4	646	572	710	589
OTHER COUNTRIES										
MD	MOLDOVA	2023	0	0	0	0	0	0	0	0
NO	NORWAY	2023	0	0	0	0	2	2	2	2

<sup>^</sup> 140 Other Immunotherapy CAR T-lymph, MNG, ECP on 23 patients + 3 CAR T-lymph studies CARTITUDES on 3 patients

<sup>°</sup> Virus specific T-cells and MSC

<sup>\*</sup> Other: DLI HSC - regenerative medicine + MSC + ECP + bone marrow processing + CAR-T (tisagenlecleucel)

# European Network of Competent Authorities for Tissues and Cells

## Appendix I

List of countries and Competent Authorities providing data for **2023**

### ✓ 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)

### ✓ Latvia

Zāļu valsts aģentūra (ZVA) - State Agency of Medicines of the Republic of Latvia

## European Network of Competent Authorities for Tissues and Cells

✓ <b>Lithuania</b> Nacionalinis Transplantacijos Biuras (NTB) (National Transplant Bureau)
✓ <b>Luxembourg</b> Ministère de la Santé – Direction de la Santé (MS-EATAT) (Ministry of Health)
<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> Slovenija Transplant
✓ <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 - ONLY Northern Ireland</b> Human Tissue Authority (HTA)

## 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.