

EUROCET

*European Network of Competent
Authorities for Tissues and Cells*

Report 2022

HPC DATA Year 2021

Last update - 31/03/2022

European Network of Competent Authorities for Tissues and Cells

Report 2022

This document has been produced and published by EUROCET (www.eurocet.org) 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 2021**. This year **24 countries** joined the data collection: - 20 EU Member States and 4 Extra EU countries (Moldova, Norway and Switzerland and UK - *for UK only data for Northern Ireland has been provided*). (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 Registries¹

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 Banks²

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

¹ See Glossary, Appendix II

² 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.

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	2021	91879	83					110010	80
BG	BULGARIA	2021				93				
HR	CROATIA	2021	59783	3656	1850	21	490	2	61143	3575
CZ	CZECH REPUBLIC	2021	133667	5060	6909	595	1094	266	139333	7825
DK	DENMARK	2021								
EE	ESTONIA	2021		0		0		0		0
FI	FINLAND	2021	55100	3335	6381	0	752	0	62577	3334
FR	FRANCE	2021	321121	37829	23756	431	7069	97	337832	38163
DE	GERMANY	2021								
HU	HUNGARY	2021								
IT	ITALY	2021	460902	38120	23553	255	14805	20	469650	38355
LV	LATVIA	2021								
LT	LITHUANIA	2021	13188		358	37	82		13464	
NL	NETHERLANDS	2021	342359	5174	25283	22	3481	5	364161	5191
PL	POLAND	2021	1917214	3924	113784	0	3388	0	2027610	3924
PT	PORTUGAL	2021	402864	717	4915	26	6981	0	400798	716
RO	ROMANIA	2021	56235	18630						
SK	SLOVAKIA	2021	20389	1705	1294	299	110	26	21573	1978
ES	SPAIN	2021	431703	64638	26348	236	4869	765	452552	64109
SE	SWEDEN	2021	173252	4399	35786	35	476	15	208562	4419
Total year 2021			4479656	187270	270217	2050	43597	1196	4669265	171669
OTHER COUNTRIES										
MD	MOLDOVA	2021	0	0	0	0	0	0	0	0
NO	NORWAY	2021	35969	0	1486	0	71	0	37384	0
CH	SWITZERLAND	2021	162164	5077	12190	171	2645	7	171709	5241
UK	UNITED KINGDOM*	2021								
Total year 2021			198133	5077	13676	171	2716	7	209093	5241

* Data only from Northern Ireland



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	2021				
BG	BULGARIA	2021				
HR	CROATIA	2021	175	43	151	369
CZ	CZECH REPUBLIC	2021	331	27898	25482	53380
DK	DENMARK	2021				
EE	ESTONIA	2021	0	0	0	0
FI	FINLAND	2021	211	27745	27745	27956
FR	FRANCE	2021	2173	7742	19770	29685
DE	GERMANY	2021				
HU	HUNGARY	2021				
IT	ITALY	2021	1997	618	582	3197
LV	LATVIA	2021				
LT	LITHUANIA	2021				106
NL	NETHERLANDS	2021	645			645
PL	POLAND	2021				
PT	PORTUGAL	2021	275	545	853	1673
RO	ROMANIA	2021				
SK	SLOVAKIA	2021	73	7968	18637	26678
ES	SPAIN	2021				938
SE	SWEDEN	2021				
Total year 2021			5880	72559	93220	144627
OTHER COUNTRIES						
MD	MOLDOVA	2021	0	0	0	0
NO	NORWAY	2021				
CH	SWITZERLAND	2021	47	298	217	562
UK	UNITED KINGDOM*	2021				
Total year 2021			47	298	217	562

* Data only from Northern Ireland

 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	2021	352					
BG	BULGARIA	2021						
HR	CROATIA	2021	97	43	151	291	78	
CZ	CZECH REPUBLIC	2021	143	27898	25482	53380	308	
DK	DENMARK	2021						
EE	ESTONIA	2021	0	0	0	0		
FI	FINLAND	2021	211	27745	27745	27956	211	
FR	FRANCE	2021	2173	7742	19770	29685	2156	
DE	GERMANY	2021						
HU	HUNGARY	2021						
IT	ITALY	2021	1997	618	582	3197	1997	
LV	LATVIA	2021						
LT	LITHUANIA	2021	92				92	
NL	NETHERLANDS	2021	645	645			645	
PL	POLAND	2021	910	7131				
PT	PORTUGAL	2021	275	545	853	1673	275	
RO	ROMANIA	2021						
SK	SLOVAKIA	2021	73	7968	18637	26678	73	
ES	SPAIN	2021	938	938			938	
SE	SWEDEN	2021	331					
Total year 2021			8145	72559	93220	151666		6773
OTHER COUNTRIES								
MD	MOLDOVA	2021	0	0	0	0	0	
NO	NORWAY	2021	178	178			0	
CH	SWITZERLAND	2021	22	141	104	267	968	
UK	UNITED KINGDOM*	2021						
Total year 2021			200	141	104	445		968

* Data only from Northern Ireland

! 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
MEMBER STATES OF EU								
AT AUSTRIA	2021	93	53	8	45°		19	21
BG BULGARIA	2021							
CZ CZECH REPUBLIC	2021	197	195	54	127	14	43	13
DE GERMANY	2021							
DK DENMARK	2021							
EE ESTONIA	2021	0	0	0	0	0	0	0
ES SPAIN	2021	819	600	150	309	141	94	125
FI FINLAND	2021	130	111	33	68	10	10	9
FR FRANCE	2021	1283	1146	144	858	144	83	54
HR CROATIA	2021	49	48	16	30	2	0	1
HU HUNGARY	2021							
IT ITALY	2021	1057	949	215	549	185	54	54
LT LITHUANIA	2021			8	22	2		
LV LATVIA	2021							
NL NETHERLANDS	2021	421	421	37	314	70		
PL POLAND	2021	1629	473	305	145	23	647	509
PT PORTUGAL	2021	131	88	23	53	12	25	18
RO ROMANIA	2021							
SE SWEDEN	2021		223	50	142	31	56	32
SK SLOVAKIA	2021	56	56	7	49	0	0	0
Total year 2021		5865	4363	1050	2711	634	1031	836
OTHER COUNTRIES								
CH SWITZERLAND	2021	218		3	116	37	41	21
MD MOLDOVA	2021	0	0	0	0	0	0	0
NO NORWAY	2021	139	128	17	94	17	5	6
UK UNITED KINGDOM*	2021							
Total year 2021		357	128	20	210	54	46	27

° Total number from EU and EXTRA EU Countries

* Data only from Northern Ireland

! 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	2021	8	146	11	165	19	21	40
BG	BULGARIA	2021	0	10	3	13	0	0	0
CZ	CZECH REPUBLIC	2021	30	127	14	147	18	14	32
DE	GERMANY	2021	2724	280	87	3091	2605	2532	5137
DK	DENMARK	2021			10			4	4
EE	ESTONIA	2021	251	1	0	252	0	0	0
ES	SPAIN	2021	150	309	141	450	94	125	219
FI	FINLAND	2021	29	54	9	63	9	7	16
FR	FRANCE	2021	144	858	144	1146	83	54	137
HR	CROATIA	2021	16	30	2	32	2	1	3
HU	HUNGARY	2021	0	0	0	0	0	0	0
IT	ITALY	2021	215	549	185	734	54	54	108
LT	LITHUANIA	2021		38	2	40	3		
LV	LATVIA	2021							
NL	NETHERLANDS	2021	40	314	70	384	81	21	102
PL	POLAND	2021	305	145	23	168	647	509	1156
PT	PORTUGAL	2021	23	42	9	71	39	21	63
RO	ROMANIA	2021	2	1334	1541	2875	3	0	3
SE	SWEDEN	2021	161	161	25	347	56	42	98
SK	SLOVAKIA	2021	295	51	0	51	9	0	9
Total year 2021			4393	4449	2276	10029	3722	3405	7127
OTHER COUNTRIES									
CH	SWITZERLAND	2021	3	117	38	155	46	23	69
MD	MOLDOVA	2021	0	0	0	0	0	0	0
NO	NORWAY	2021	17	94	17	111	8	0	8
UK	UNITED KINGDOM*	2021	0	0	0	0	0	0	0
Total year 2021			20	211	55	266	54	23	77

* Data only from Northern Ireland

! 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	2021	2	6	0	17	129	0	1	10	0	2	17	0	0	21°	0	
BG	Bulgaria	2021	0	0	0	0	10	0	0	3	0	0	0	0	0	0	8	
CZ	Czech Republic	2021	6	22	2	4	123	0	0	14	0	0	18	0	2	12	0	
DE	Germany	2021	180	2248	296	18	262	0	6	80	1	308	2280	17	252	2253	27	
DK	Denmark	2021			0			0	8	2	0	0		0	0	4	0	
EE	Estonia	2021	3	248	0	1		0	0		0	0	0	0	0	0	0	
ES	Spain	2021	13	125	12	36	271	2	10	127	4	5	61	28	3	53	69	
FI	Finland	2021	25	4	0	45	9	0	7	2	0	7	2	0	6	0	1	
FR	France	2021	19	90	35	111	700	47	8	101	35	5	50	28	4	20	30	
HR	Croatia	2021	7	9	0	4	26	0	0	2	0	0	0	2	0	1	0	
HU	Hungary	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
IT	Italy	2021	19	190	6	75	464	10	20	157	8	5	41	8	7	41	6	
LT	Lithuania	2021				3	35			2			3					
LV	Latvia	2021																
NL	Netherlands	2021	3	34	3	27	251	36	9	48	13	14	67	0	3	16	2	
PL	Poland	2021	21	284	0	10	135	0	1	22	0	64	583	0	56	453	0	
PT	Portugal	2021	1	22	0	1	41	0	0	9	0	5	34	0	0	21	0	
RO	Romania	2021	0	0	2	0	46	1288	1	1	1539	0	3	0	0	0	0	
SE	Sweden	2021	17	144	0	16	144	1	4	21	0	6	47	3	3	34	5	
SK	Slovakia	2021	0	9	286	1	49	1	0	0	0	0	6	3	0	0	0	
Total year 2021			316	3435	642	369	2695	1385	75	601	1600	421	3212	89	336	2929	148	
Other countries																		
CH	Switzerland	2021	1	2	0	11	105	1	1	36	1	5	36	5	1	20	2	
MD	Moldova	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NO	Norway	2021	2	15	0	12	82	0	5	12	0	0	0	8	0	0	0	
UK	United Kingdom*	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total year 2021			3	17	0	23	187	1	6	48	1	5	36	13	1	20	2	

* Data only from Northern Ireland
° It includes DLI

* 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 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	2021	604	205	160	45		809
BG	BULGARIA	2021	2835	139	36	103		2974
CZ	CZECH REPUBLIC	2021	1550	123	45	78		1673
DE	GERMANY	2021	4742	7839	949	6890		12581
DK	DENMARK	2021						
EE	ESTONIA	2021	299	22	22	0		321
ES	SPAIN	2021	2154	1239	870	369		3393
FI	FINLAND	2021	307	504	67	130		811
FR	FRANCE	2021	3213	1232	951	281		4445
HR	CROATIA	2021	552	463	60	403		1015
HU	HUNGARY	2021	135	18	18	0		153
IT	ITALY	2021	3291	7620	874	6746		10911
LT	LITHUANIA	2021	193	64	27	37		257
LV	LATVIA	2021			235			235
NL	NETHERLANDS	2021	1445	422	264	158		1867
PL	POLAND	2021	1075	1724	263	1461		2799
PT	PORTUGAL	2021	585	161	93	68		746
RO	ROMANIA	2021	28208	123	110	13		28331
SE	SWEDEN	2021	810	658	293	365		1468
SK	SLOVAKIA	2021	3005	508	58	450		3512
Total year 2021			55003	23064	5395	17597		78301
OTHER COUNTRIES								
CH	SWITZERLAND	2021	572	198	131	67		770
MD	MOLDOVA	2021	53	0	0	0		53
NO	NORWAY	2021	319	48	18	30		367
UK	UNITED KINGDOM*	2021	117	18	18	0		135
Total year 2021			1061	264	167	97		1325

* Data only from Northern Ireland

! 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	2021	604			15	145		5	40		205	20	689		
BG	BULGARIA	2021	0	108	2727	3	33	0	0	10	93	139	3	151	2820	
CZ	CZECH REPUBLIC	2021	2	416	1132	8	35	2	6	70	2	123	16	521	1136	
DE	GERMANY	2021	25	4717		129	820		748	6142		7839	902	11679		
DK	DENMARK	2021														
EE	ESTONIA	2021	3	272	24	1	21	0	0	0	0	22	4	293	24	
ES	SPAIN	2021	0	2154		0	77	792	1	21	239	109	1239	98	3185	110
FI	FINLAND	2021	11	296	0	10	57	0	23	107	0	504	55	756	0	
FR	FRANCE	2021	3	3210		259	692		28	160	93	1232	290	4062	93	
HR	CROATIA	2021	0	293	259	19	35	6	7	12	384	463	26	340	649	
HU	HUNGARY	2021	0	135	0	3	15	0	0	0	0	18	3	150	0	
IT	ITALY	2021	8	3282	1	240	515	119	31	438	6277	7620	279	4235	6397	
LT	LITHUANIA	2021	166		27	1	26		3	24	10	64	4	216	37	
LV	LATVIA	2021				235							235			
NL	NETHERLANDS	2021	21	1424	0	54	209	1	21	117	20	422	96	1750	21	
PL	POLAND	2021	0	1075		36	227	0	141	1320	0	1724	177	2622	0	
PT	PORTUGAL	2021	0	585	0	15	78	0	4	64	0	161	19	727	0	
RO	ROMANIA	2021	14321	18	13869	103	7	0	13	6	0	123	14437	31	13869	
SE	SWEDEN	2021	4	806	0	14	88	191	23	186	156	658	41	1080	347	
SK	SLOVAKIA	2021	0	91	2914	0	48	0	0	15	435	508	0	154	3349	
Total year 2021			14398	19652	20953	987	3843	555	1074	8950	7579	23064	#####	32641	29087	
OTHER COUNTRIES																
CH	SWITZERLAND	2021	0	572	0	22	108	1	7	58	2	198	29	738	3	
MD	MOLDOVA	2021	21	0	32	0	0	0	0	0	0	0	21	0	32	
NO	NORWAY	2021	0	319	0	11	7	0	2	28	0	48	13	354	0	
UK	UNITED KINGDOM*	2021	0	117	0	0	18	0	0	0	0	18	0	135	0	
Total year 2021			21	1008	32	33	133	1	9	86	2	264	63	1227	35	

BM = Bone Marrow

* Data only from Northern Ireland

★ 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								
AT	AUSTRIA	2021						
BG	BULGARIA	2021	2727	93	2727	93	0	0
CZ	CZECH REPUBLIC	2021	2	530	2	511	1	0
DE	GERMANY	2021	20	366			0	0
DK	DENMARK	2021					0	0
EE	ESTONIA	2021	24	0	0	0	0	0
ES	SPAIN	2021					1	115
FI	FINLAND	2021	0	0	0	0	0	0
FR	FRANCE	2021		431		38163		93
HR	CROATIA	2021	6	384	6	33	0	2
HU	HUNGARY	2021	5691	0	4842	0	0	0
IT	ITALY	2021	119	6277	111	394	3	20
LT	LITHUANIA	2021	27	10	27	10		
LV	LATVIA	2021	235	0	47	0	0	0
NL	NETHERLANDS	2021	1	20			0	5
PL	POLAND	2021	0	0	0	3924	0	0
PT	PORTUGAL	2021	0	0	91	1	0	0
RO	ROMANIA	2021						
SE	SWEDEN	2021	191	156	607	5427	0	8
SK	SLOVAKIA	2021	11	464	10	435	1	289
Total year 2021			9054	8731	8470	48991	6	532
OTHER COUNTRIES								
CH	SWITZERLAND	2021		171		171		7
M	MOLDOVA	2021	32	0	32	0	0	0
NO	NORWAY	2021	8	0	0	0	8	0
UK	UNITED KINGDOM*	2021	0	0	0	0	0	0
Total year 2021			40	171	32	171	8	7

* Data only from Northern Ireland

 **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	2021									
BG BULGARIA	2021	93	0	0	92	0	0	0	0	0
CZ CZECH REPUBLIC	2021	290	240	0	276	235	0	0	0	0
DE GERMANY	2021	365	0	1				0		
DK DENMARK	2021		0	0		0	0	0	0	0
EE ESTONIA	2021	0	0	0	0	0	0	0	0	0
ES SPAIN	2021	236			236			109	2	4
FI FINLAND	2021	0	0	0	0	0	0	0	0	0
FR FRANCE	2021	431	0	0	38163	0	0	93	0	0
HR CROATIA	2021	384	0	0	33	0	0	2	0	0
HU HUNGARY	2021	0	0	0	0	0	0	0	0	0
IT ITALY	2021	6277	0	0	394	0	0	20	0	0
LT LITHUANIA	2021	10			10			0		
LV LATVIA	2021	0	0	0	0	0	0	0	0	0
NL NETHERLANDS	2021	20	0	0				5	0	0
PL POLAND	2021	0	0	0	3924	0	0	0	0	0
PT PORTUGAL	2021	0	0	0	0	1	0	0	0	0
RO ROMANIA	2021									
SE SWEDEN	2021	156	0	0	5427	0	0	0	3	5
SK SLOVAKIA	2021	464	0	0	435	0	0	289	0	0
Total year 2021		8726	240	1	48990	236	0	518	5	9
OTHER COUNTRIES										
CH SWITZERLAND	2021	171	0	0	171	0	0	7		
MD MOLDOVA	2021	0	0	0	0	0	0	0	0	0
NO NORWAY	2021	0	0	0	0	0	0	0	0	0
UK UNITED KINGDOM*	2021	0	0	0	0	0	0	0	0	0
Total year 2021		171	0	0	171	0	0	7	0	0

* Data only from Northern Ireland



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	2021									
BG	BULGARIA	2021	2727	0	0	2727	0	0	0	0	0
CZ	CZECH REPUBLIC	2021	2	0	0	2	0	0	1	0	0
DE	GERMANY	2021	20	0	0				0		
DK	DENMARK	2021	0		0	0		0	0	0	0
EE	ESTONIA	2021	24	0	0	0	0	0	0	0	0
ES	SPAIN	2021							1		
FI	FINLAND	2021	0	0	0	0	0	0	0	0	0
FR	FRANCE	2021									
HR	CROATIA	2021	6	0	0	6	0	0	0	0	0
HU	HUNGARY	2021	5689	2	0	4840	2	0	0	0	0
IT	ITALY	2021	119	0	0	111	0	0	3	0	0
LT	LITHUANIA	2021	27			27					
LV	LATVIA	2021	235	0	0	47	0	0	0	0	0
NL	NETHERLANDS	2021	1	0	0				0	0	0
PL	POLAND	2021	0	0	0	0	0	0	0	0	0
PT	PORTUGAL	2021	0	0	0	91	0	0	0	0	0
RO	ROMANIA	2021									
SE	SWEDEN	2021	191	0	0	607	0	0	0	0	0
SK	SLOVAKIA	2021	10	1	0	10	0	0	0	1	0
Total year 2021			9051	3	0	8468	2	0	5	1	0
OTHER COUNTRIES											
CH	SWITZERLAND	2021									
MD	MOLDOVA	2021	32	0	0	32	0	0	0	0	0
NO	NORWAY	2021	8	0	0	0	0	0	8	0	0
UK	UNITED KINGDOM*	2021	0	0	0	0	0	0	0	0	0
Total year 2021			40	0	0	32	0	0	8	0	0

* Data only from Northern Ireland



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										
AT	AUSTRIA	2021	377	324	129	119	150	146	656	589
BG	BULGARIA	2021	108	108	36	36	10	10	154	154
CZ	CZECH REPUBLIC	2021	703	596	147	129	319	286	1169	1011
DE	GERMANY	2021	4538	3819	911	856	2364	2239	7813	6914
DK	DENMARK	2021							0	0
EE	ESTONIA	2021	66		10		20		96	0
ES	SPAIN	2021	2154	0	870	0	596	0	3620	0
FI	FINLAND	2021	277	270	68	68	130	130	475	468
FR	FRANCE	2021	2921	2800	934	0	1122	0	4977	2800
HR	CROATIA	2021	187	147	47	37	50	47	284	231
HU	HUNGARY	2021	139	94	15	14	14	13	168	121
IT	ITALY	2021	3393	2698	966	889	937	897	5296	4484
LT	LITHUANIA	2021	150	113	26	25	48	48	224	186
LV	LATVIA	2021							0	0
NL	NETHERLANDS	2021	4096	987	426	188	822	379	5344	1554
PL	POLAND	2021	1075		263		484		1822	0
PT	PORTUGAL	2021	384	376	74	74	88	82	546	532
RO	ROMANIA	2021	299	291	110	101	154	153	563	545
SE	SWEDEN	2021	563	513	96	93	250	246	909	852
SK	SLOVAKIA	2021	132	120	35	34	38	38	205	192
Total year 2021			21562	13256	5163	2663	7596	4714	34321	20633
OTHER COUNTRIES										
CH	SWITZERLAND	2021	490	415	130	109	159	133	779	657
MD	MOLDOVA	2021	21	0	0	0	0	0	21	0
NO	NORWAY	2021	132	108	2	2	128	12	262	122
UK	UNITED KINGDOM*	2021	117		18				135	0
Total year 2021			760	523	150	111	287	145	1197	779

* Data only from Northern Ireland

! 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	
			Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient
MEMBER STATES OF EU																				
AT AUSTRIA	2021	0	0	377	324	0	0	16	14	105	105	0	0	21	19	129	127	0	0	
BG BULGARIA	2021	0	0	108	108	0	0	3	3	33	33	0	0	0	0	10	10	0	0	
CZ CZECH REPUBLIC	2021	0	0	700	593	0	0	17	16	130	90	0	0	15	14	304	272	0	0	
DE GERMANY	2021	28	28	4510	3791	0	0	151	147	759	708	1	1	225	215	2137	2022	2	2	
DK DENMARK	2021					0	0					0	0					0	0	
EE ESTONIA	2021	1		65		0	0	1		9		0	0	1		19		0	0	
ES SPAIN	2021	0		2154		0		77		792		1		52		527		17		
FI FINLAND	2021	6	5	271	265	0	0	9	9	59	59	0	0	23	23	107	107	0	0	
FR FRANCE	2021	0	0	2921	2800			256		672		6		139		884		99		
HR CROATIA	2021	0	0	187	147	0	0	19	15	28	22	0	0	11	10	39	37	0	0	
HU HUNGARY	2021	0	0	139	94	0	0	3	3	12	11	0	0	2	2	12	11	0	0	
IT ITALY	2021	8	8	3384	2689	1	1	240	226	723	660	3	3	109	101	806	777	22	19	
LT LITHUANIA	2021			150	113			1	1	25	24			3	3	45	45			
LV LATVIA	2021																			
NL NETHERLANDS	2021	5	2	4091	985	0	0	56	42	370	146	0	0	57	51	714	298	51	30	
PL POLAND	2021	0		1075		0		36		227		0		31		453		0		
PT PORTUGAL	2021	0	0	384	376	0	0	14	14	60	60	0	0	4	4	84	78	0	0	
RO ROMANIA	2021	150	146	147	143	2	2	65	60	44	40	1	1	103	102	51	51	0	0	
SE SWEDEN	2021	0	0	563	513	0	0	13	13	83	80	0	0	22	22	219	215	9	9	
SK SLOVAKIA	2021	1	1	131	119	0	0	0	0	35	34	0	0	0	0	38	38	0	0	
Total year 2021		199	190	21357	13060	3	3	977	563	4166	2072	12	5	818	566	6578	4088	200	60	
OTHER COUNTRIES																				
CH SWITZERLAND	2021	0	0	490	415	0	0	22	20	107	88	1	1	14	13	143	118	2	2	
MD MOLDOVA	2021	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NO NORWAY	2021	0	0	132	108	0	0	0	0	2	2	0	0	19	19	109	109	0	0	
UK UNITED KINGDOM*	2021	0		117		0				18										
Total year 2021		21	0	739	523	0	0	22	20	127	90	1	1	33	32	252	227	2	2	

* Data only from Northern Ireland



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								
AT	AUSTRIA	2021			9	8	8	6
CZ	CZECH REPUBLIC	2021	0	0	54	35	112	59
DE	GERMANY	2021						
DK	DENMARK	2021						
FI	FINLAND	2021	0	0	3	3	17	17
FR	FRANCE	2021				183		159
HR	CROATIA	2021	0	0	16	7	14	11
HU	HUNGARY	2021	0	0	0	0	0	0
IT	ITALY	2021			185	185	62	62
LT	LITHUANIA	2021					0	
LV	LATVIA	2021						
NL	NETHERLANDS	2021			82	52	220	151
PL	POLAND	2021	0	0	20	18	26	26
PT	PORTUGAL	2021	0	0	10	7	0	0
RO	ROMANIA	2021	1	1	20	19	52	51
SE	SWEDEN	2021	0	0	25	15	32	28
SK	SLOVAKIA	2021	0	0	4	4	1	1
Total year 2021			1	1	428	536	544	571
OTHER COUNTRIES								
CH	SWITZERLAND	2021			25	25	28	28
MD	MOLDOVA	2021	0	0	0	0	0	0
NO	NORWAY	2021	0	0	0	0	0	0
UK	UNITED KINGDOM*	2021	0		12			
Total year 2021			0	0	37	25	28	28

* Data only from Northern Ireland

 **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			
					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	2021	15	15	0	0	0	0
DK	DENMARK	2021	0	0	0	0	0	0
EE	ESTONIA	2021	0	0	0	0	0	0
HR	CROATIA	2021	1	1	0	0	0	0
HU	HUNGARY	2021	0	0	0	0	0	0
LT	LITHUANIA	2021					10	3
LV	LATVIA	2021						
NL	NETHERLANDS	2021	301	169	0	0	24	22
PT	PORTUGAL	2021	10	10	1	1	0	0
SK	SLOVAKIA	2021	0	0	142	9	71	6
Total year 2021			327	195	143	10	105	31
OTHER COUNTRIES								
MD	MOLDOVA	2021	0	0	0	0	0	0
NO	NORWAY	2021	0	0	0	0	0	0
UK	UNITED KINGDOM*	2021	0	0	0	0	0	0
Total year 2021			0	0	0	0	0	0

° It includes: Mezencymal cell, CAR-T cells, CD34+, CTL antiviral, ECP

* Data only from Northern Ireland

 **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

European Network of Competent Authorities for Tissues and Cells

Appendix I

List of countries and Competent Authorities providing data for 2021

✓ **Austria**

Bundesministerium für Soziales, Gesundheit, Pflege und Konsumentenschutz (Federal Ministry of Social Affairs, Health, Care and Consumer Protection)

Belgium

✓ **Bulgaria**

ИЗПЪЛНИТЕЛНА АГЕНЦИЯ ПО ТРАНСПЛАНТАЦИЯ (BEAT) (Bulgarian Executive Agency for Transplantation)

✓ **Croatia**

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

Cyprus

✓ **Czechia**

Ministerstvo zdravotnictví České republiky (MZCR) (Ministry of Health of the Czech Republic)

✓ **Denmark**

Styrelsen for Patientsikkerhed/Danish Patient Safety Authority

✓ **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)

Greece

✓ **Hungary**

Nemzeti Népegészségügyi Központ) (National Public Health Center)

Ireland

✓ **Italy**

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

✓ **Latvia**

Zāļu valsts aģentūra - State Agency of Medicines of the Republic of Latvia

✓ **Lithuania**

Nacionalinis Transplantacijos Biuras (NTB) (National Transplant Bureau)

European Network of Competent Authorities for Tissues and Cells

Luxembourg

Macedonia

Malta

✓ **Moldova**

AT - (The Transplant Agency)

✓ **Netherlands**

Ministerie van Volksgezondheid, Welzijn en Sport (Ministry of Health, Welfare and Sport)

✓ **Norway**

- Helsedirektoratet (The Directorate for Health)
-

✓ **Poland**

Krajowe Centrum Bankowania Tkanek i Komórek (KCBTiK) / National Centre for Tissue and Cell Banking (NCTCB)

✓ **Portugal**

- Instituto Português do Sangue e da Transplantação (IPST) (Institute for Blood and Transplantation Services)
 - Direção-Geral da Saúde (DGS) (Directorate-General of Health)
-

✓ **Romania**

Agentia Națională de Transplant (National Transplant Agency)

✓ **Slovakia**

Ministerstvo zdravotníctva Slovenskej republiky (NTO)(National Transplant Organisation)

Slovenia

✓ **Spain**

Organización Nacional de Trasplantes (ONT) (National Transplant Organization)

✓ **Sweden**

Health and Social Care Inspectorate (IVO)

✓ **Switzerland**

Federal Department of Home Affairs DHA - Swiss Federal Office of Public Health FOPH

Turkey

✓ **United Kingdom**

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.