

EUROCET

*European Network of Competent
Authorities for Tissues and Cells*

Report 2021

HPC DATA Year 2020

Last update - 31/12/2021

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European Network of Competent Authorities for Tissues and Cells

Report 2021

This document has been produced and published by EURO CET (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 2020**. This year **21 countries** joined the collection and provided data - 17 EU Member States and 4 Extra EU countries. (Appendix I)

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

- Donor Registries¹

The data is divided into three sections:

- **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 section'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 section collects the numbers of unrelated donation from one's own country, from a 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, 3rd Edition, 2017” 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	2020	90417	83					91879	83
BG	BULGARIA	2020				84				
HR	CROATIA	2020	57295	3575	2704	81	216	0	59783	3656
CZ	CZECH REPUBLIC	2020	128290	5129	6255	371	1370	70	133175	7496
EE	ESTONIA	2020		0		0		0		0
FI	FINLAND	2020	52176	3335	3844	0	733	0	55100	3335
FR	FRANCE	2020								
DE	GERMANY	2020								
HU	HUNGARY	2020	186	0	56	0	21	0	170	0
IT	ITALY	2020	449860	37280	25039	870	13997	30	460902	38120
LV	LATVIA	2020								
LT	LITHUANIA	2020	12479	0	715	0	6	0	13188	0
MT	MALTA	2020								
NL	NETHERLANDS	2020	311905	4770	35509	0	5055	0	342359	4770
PT	PORTUGAL	2020	406634	0	2689	0	6459	0	402864	0
RO	ROMANIA	2020	43172	0	7361	0	228	0	50304	0
SK	SLOVAKIA	2020	18500	1750	1894	206	26	134	20368	1822
SI	SLOVENIA	2020								
ES	SPAIN	2020	405562	64662	30631	547	4493	871	431703	64338
SE	SWEDEN	2020								
UK	UNITED KINGDOM	2020								
Total year 2020			1976476	120584	116697	2159	32604	2159	2061795	2159
OTHER COUNTRIES										
MD	MOLDOVA	2020	0	0	0	0	0	0	0	0
NO	NORWAY	2020	38385	0	1966	0	1382	0	35969	0
CH	SWITZERLAND	2020	142900	4911	20701	170	1437	4	162164	5077
Total year 2020			181285	4911	22667	170	2819	170	198133	170

 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	2020				
BG	BULGARIA	2020				
HR	CROATIA	2020	170	35	173	378
CZ	CZECH REPUBLIC	2020				
EE	ESTONIA	2020	0	0	0	0
FI	FINLAND	2020	222	26502	26502	26724
FR	FRANCE	2020				
DE	GERMANY	2020				
HU	HUNGARY	2020				
IT	ITALY	2020	1898	549	491	2938
LV	LATVIA	2020				
LT	LITHUANIA	2020	71			71
MT	MALTA	2020				
NL	NETHERLANDS	2020				718
PT	PORTUGAL	2020	297	869	488	1654
RO	ROMANIA	2020	115	149	57	321
SK	SLOVAKIA	2020	77	7642	17730	25449
SI	SLOVENIA	2020				
ES	SPAIN	2020				920
SE	SWEDEN	2020				
UK	UNITED KINGDOM	2020				
Total year 2020			2850	35746	45441	59173
OTHER COUNTRIES						
MD	MOLDOVA	2020	0	0	0	0
NO	NORWAY	2020				
CH	SWITZERLAND	2020	58	237	196	491
Total year 2020			58	237	196	491

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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	2020	348					
BG	BULGARIA	2020						
HR	CROATIA	2020	105	35	173	313	65	
CZ	CZECH REPUBLIC	2020	397	28490	22122	51009	156	
EE	ESTONIA	2020	0	0	0	0	0	
FI	FINLAND	2020	222	26502	26502	26724	222	
FR	FRANCE	2020						
DE	GERMANY	2020						
HU	HUNGARY	2020						
IT	ITALY	2020	1898	549	491	2938	1898	
LV	LATVIA	2020						
LT	LITHUANIA	2020	71				71	71
MT	MALTA	2020						
NL	NETHERLANDS	2020	718				718	718
PT	PORTUGAL	2020	297	869	488	1654	297	
RO	ROMANIA	2020	117	149	57	323	114	
SK	SLOVAKIA	2020	77	7642	17730	25449	77	
SI	SLOVENIA	2020						
ES	SPAIN	2020	920				920	920
SE	SWEDEN	2020						
UK	UNITED KINGDOM	2020						
Total year 2020			5170	64236	67563	110119		4538
OTHER COUNTRIES								
MD	MOLDOVA	2020	0	0	0	0	0	
NO	NORWAY	2020	178	178	178	178	0	
CH	SWITZERLAND	2020	39	126	96	261	777	
Total year 2020			217	304	274	439		777

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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	2020	83	47	7	40		21	15
BG BULGARIA	2020							
CZ CZECH REPUBLIC	2020	202	202	72	121	9	63	9
DE GERMANY	2020							
EE ESTONIA	2020	0	0	0	0	0	0	0
ES SPAIN	2020	641	456	131	219	106	92	93
FI FINLAND	2020	127	99	21	67	11	18	10
FR FRANCE	2020							
HR CROATIA	2020	68	67	9	54	4	1	0
HU HUNGARY	2020							
IT ITALY	2020	969	909	239	523	168	30	30
LT LITHUANIA	2020	13	13	11	2	0	0	0
LV LATVIA	2020							
MT MALTA	2020							
NL NETHERLANDS	2020	513	513	33	409	71		
PT PORTUGAL	2020	114	67	26	38	3	22	25
RO ROMANIA	2020	50	48	3	40	5	2	0
SE SWEDEN	2020							
SI SLOVENIA	2020							
SK SLOVAKIA	2020	56	52	8	42	2	4	0
UK UNITED KINGDOM	2020							
Total year 2020		2836	2473	560	1555	379	253	182
OTHER COUNTRIES								
CH SWITZERLAND	2020	211	152	11	111	30	32	27
MD MOLDOVA	2020	0	0	0	0	0	0	0
NO NORWAY	2020	141	124	18	92	14	9	8
Total year 2020		352	276	29	203	44	41	35

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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	2020							
BG	BULGARIA	2020	0	23	0	23	0	0	0
CZ	CZECH REPUBLIC	2020	39	116	14	169	32	9	41
DE	GERMANY	2020	3154	287	67	3508	2869	2344	5213
EE	ESTONIA	2020	50	18	2	70	0	0	0
ES	SPAIN	2020	131	219	106	456	92	93	185
FI	FINLAND	2020	21	67	11	78	18	10	28
FR	FRANCE	2020							
HR	CROATIA	2020	9	54	4	58	1	0	1
HU	HUNGARY	2020	0	40	6	46	0	0	0
IT	ITALY	2020	239	523	168	691	42	38	80
LT	LITHUANIA	2020	11	24	0	35	2	0	2
LV	LATVIA	2020							
MT	MALTA	2020							
NL	NETHERLANDS	2020	33	409	71	480	114	75	189
PT	PORTUGAL	2020	26	37	4	41	21	22	43
RO	ROMANIA	2020		40	4	44	1589	0	1589
SE	SWEDEN	2020	157	105	18	123	52	33	85
SI	SLOVENIA	2020							
SK	SLOVAKIA	2020	154	43	2	45	31	0	31
UK	UNITED KINGDOM	2020	9284	8681	5001	13736	297	396	693
Total year 2020			13308	10686	5478	19603	5160	3020	8180
OTHER COUNTRIES									
CH	SWITZERLAND	2020	11	112	31	143	34	29	63
MD	MOLDOVA	2020	0	0	0	0	0	0	0
NO	NORWAY	2020	18	92	14	106	15	8	23
Total year 2020			29	204	45	249	49	37	86

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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	2020																
BG	BULGARIA	2020	0	0	0	3	20	0	0	0	0	0	0	0	0	0	0	
CZ	CZECH REPUBLIC	2020	1	37	1	4	112	0	1	13	0	9	22	1	1	8	0	
DE	GERMANY	2020	107	2693	354	20	267	0	3	64	0	291	2555	23	273	2049	22	
EE	ESTONIA	2020	7	43	0	2	16	0	1	1	0	0	0	0	0	0	0	
ES	SPAIN	2020	11	103	17	27	190	2	9	94	3	8	39	45	3	37	53	
FI	FINLAND	2020	5	16	0	10	57	0	5	6	0	1	15	2	2	7	1	
FR	FRANCE	2020																
HR	CROATIA	2020	2	7	0	6	48	0	0	4	0	0	1	0	0	0	0	
HU	HUNGARY	2020	0	0	0	13	25	2	0	5	1	0	0	0	0	0	0	
IT	ITALY	2020	32	197	10	85	432	6	25	138	5	7	23	12	10	20	8	
LT	LITHUANIA	2020	1	10	0	1	23	0	0	0	0	1	1	0	0	0	0	
LV	LATVIA	2020																
MT	MALTA	2020																
NL	NETHERLANDS	2020	4	29	0	29	322	58	12	39	20	11	103	0	14	61	0	
PT	PORTUGAL	2020	4	22	0	4	32	1	1	3	0	1	20	0	3	19	0	
RO	ROMANIA	2020				0	40	0	0	4	0	0	2	1587	0	0	0	
SE	SWEDEN	2020	14	142	1	15	89	1	2	15	1	2	46	4	2	28	3	
SI	SLOVENIA	2020																
SK	SLOVAKIA	2020	2	7	145	5	37	1	0	2	0	0	4	27	0	0	0	
UK	UNITED KINGDOM	2020	218	3817	5249	50	641	7990	16	165	4820	29	229	39	27	319	50	
Total year 2020			408	7123	5777	274	2351	8061	75	553	4850	360	3060	####	335	2548	137	
OTHER COUNTRIES																		
CH	SWITZERLAND	2020	3	8	0	12	99	1	2	28	1	3	29	2	1	26	2	
MD	MOLDOVA	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NO	NORWAY	2020	4	14	0	11	81	0	2	12	0	3	6	6	3	5	0	
Total year 2020			7	22	0	23	180	1	4	40	1	6	35	8	4	31	2	

BM = Bone Marrow

* Legenda **PB** = Peripheral Blood

CB = Cord Blood

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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)

			Autologous	Allogenic			Total donation	
Year		Total		Related	Unrelated			
MEMBER STATES OF EU								
AT	AUSTRIA	2020	553	708	129	26		1261
BG	BULGARIA	2020	2581	2697	32	84		5278
CZ	CZECH REPUBLIC	2020	1022	1230	57	151		2252
DE	GERMANY	2020	4836	8542	999	7543		13378
EE	ESTONIA	2020	73	8	8	0		81
ES	SPAIN	2020	2049	3047	867	131		5096
FI	FINLAND	2020	318	101	55	46		419
FR	FRANCE	2020						
HR	CROATIA	2020	522	442	64	378		964
HU	HUNGARY	2020	310	144	106	38		454
IT	ITALY	2020	3924	7108	1078	6030		11032
LT	LITHUANIA	2020	27	34	21	13		61
LV	LATVIA	2020		213	213			213
MT	MALTA	2020						
NL	NETHERLANDS	2020	2765	599	216	383		3364
PT	PORTUGAL	2020	471	144	67	77		615
RO	ROMANIA	2020	204	45	35	10		249
SE	SWEDEN	2020	737	606	246	360		1343
SI	SLOVENIA	2020						
SK	SLOVAKIA	2020	3245	411	39	372		3656
UK	UNITED KINGDOM	2020	10071	14670	10081	4689		24741
Total year 2020			33708	40749	14313	20331		74457
OTHER COUNTRIES								
CH	SWITZERLAND	2020	576	213	139	74		789
MD	MOLDOVA	2020	19	0	0	0		19
NO	NORWAY	2020	285	290	37	75		575
Total year 2020			880	503	176	149		1383

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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	2020										708			
BG	BULGARIA	2020	0	119	2462	5	27	0	0	0	84	2697	5	265	5008
CZ	CZECH REPUBLIC	2020	0	289	733	4	38	15	11	129	0	1230	15	745	1481
DE	GERMANY	2020	20	4816		154	845		808	6735		8542	982	12396	
EE	ESTONIA	2020	1	61	11	3	5	0	0	0	0	8	4	66	11
ES	SPAIN	2020	3	2045	1	75	792	0	11	103	17	3047	92	4985	19
FI	FINLAND	2020	3	315	0	6	49	0	8	38	0	101	17	402	0
FR	FRANCE	2020													
HR	CROATIA	2020	0	306	216	7	47	10	2	10	366	442	9	363	592
HU	HUNGARY	2020	2	308	0	8	98	0	14	24	0	144	24	430	0
IT	ITALY	2020	20	3899	5	280	675	123	49	239	5742	7108	349	8712	5875
LT	LITHUANIA	2020	0	27		0	21	0	1	12	0	34	1	33	27
LV	LATVIA	2020				213						213	213		
MT	MALTA	2020													
NL	NETHERLANDS	2020	21	1344	1400	31	181	4	68	283	32	599	120	1808	1436
PT	PORTUGAL	2020	1	470	0	9	58	0	9	68	0	144	19	596	0
RO	ROMANIA	2020	0	204	0	0	35	0	0	10	0	45	0	249	0
SE	SWEDEN	2020	1	736	0	16	83	147	15	150	195	606	32	969	342
SI	SLOVENIA	2020													
SK	SLOVAKIA	2020	0	156	3089	4	23	12	3	7	362	411	7	186	3463
UK	UNITED KINGDOM	2020	17	4822	5232	191	1269	8621	223	1350	3116	14670	431	7341	16969
Total year 2020			89	19890	13176	793	4246	9145	1222	9158	9914	40749	2107	39546	35436
OTHER COUNTRIES															
CH	SWITZERLAND	2020	0	576	0	19	120		7	63	4	213	26	759	4
MD	MOLDOVA	2020	17	0	2	0	0	0	0	0	0	0	17	0	2
NO	NORWAY	2020	0	285	0	9	28	0	19	56	0	290	28	547	0
Total year 2020			17	861	2	28	148	0	26	119	4	503	71	1306	6



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

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

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								
AT	AUSTRIA	2020						
BG	BULGARIA	2020	2462	84	2462	82	0	0
CZ	CZECH REPUBLIC	2020	15	370	15	365	0	2
DE	GERMANY	2020	17	426			0	0
EE	ESTONIA	2020	11	0	0	0	0	0
ES	SPAIN	2020					1	552
FI	FINLAND	2020	0	0	0	0	0	0
FR	FRANCE	2020						
HR	CROATIA	2020	10	366	10	40	0	0
HU	HUNGARY	2020	4418	0	4059	0	0	0
IT	ITALY	2020	123	5742	114	320	3	30
LT	LITHUANIA	2020	38	0	38	0	0	0
LV	LATVIA	2020	213	0	43	0	0	0
MT	MALTA	2020						
NL	NETHERLANDS	2020	4	88			3	85
PT	PORTUGAL	2020	0	0	0	0	0	0
RO	ROMANIA	2020	10011	0			148	0
SE	SWEDEN	2020	147	195	455	5422	0	3
SI	SLOVENIA	2020						
SK	SLOVAKIA	2020	13	452	12	177	1	147
UK	UNITED KINGDOM	2020	5323	11737				
Total year 2020			22805	19460	7208	6406	156	819
OTHER COUNTRIES								
CH	SWITZERLAND	2020		170		170		4
M	MOLDOVA	2020	3	0	3	0	0	0
NO	NORWAY	2020	6	0	0	0	0	0
Total year 2020			9	170	3	170	0	4

 **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	2020									
BG BULGARIA	2020	84	0	0	82	0	0	0	0	0
CZ CZECH REPUBLIC	2020	211	159	0	209	156	0	1	1	0
DE GERMANY	2020	426	0	0				0		
EE ESTONIA	2020	0	0	0	0	0	0	0	0	0
ES SPAIN	2020				547			547	2	3
FI FINLAND	2020	0	0	0	0	0	0	0	0	0
FR FRANCE	2020									
HR CROATIA	2020	366	0	0	40	0	0	0	0	0
HU HUNGARY	2020	0	0	0	0	0	0	0	0	0
IT ITALY	2020	5742	0	0	320	0	0	30	0	0
LT LITHUANIA	2020	19	0	0	0	0	0	0	0	0
LV LATVIA	2020	0	0	0	0	0	0	0	0	0
MT MALTA	2020									
NL NETHERLANDS	2020	32	44	12				79	4	2
PT PORTUGAL	2020	0	0	0	0	0	0	0	0	0
RO ROMANIA	2020	0	0	0				0	0	0
SE SWEDEN	2020	195	0	0	5422	0	0	1	1	1
SI SLOVENIA	2020									
SK SLOVAKIA	2020	452	0	0	177	0	0	147	0	0
UK UNITED KINGDOM	2020									
Total year 2020		7527	203	12	6797	156	0	805	8	6
OTHER COUNTRIES										
CH SWITZERLAND	2020	170	0	0	170	0	0	4		
MD MOLDOVA	2020	0	0	0	0	0	0	0	0	0
NO NORWAY	2020	0	0	0	0	0	0	0	0	0
Total year 2020		170	0	0	170	0	0	4	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										
AT AUSTRIA	2020									
BG BULGARIA	2020	2462	0	0	2462	0	0	0	0	0
CZ CZECH REPUBLIC	2020	15	0	0	15	0	0	0	0	0
DE GERMANY	2020	17	0	0				0		
EE ESTONIA	2020	11	0	0	0	0	0	0	0	0
ES SPAIN	2020							1		
FI FINLAND	2020	0	0	0	0	0	0	0	0	0
FR FRANCE	2020									
HR CROATIA	2020	10	0	0	10	0	0	0	0	0
HU HUNGARY	2020	4416	2	0	4057	2	0	0	0	0
IT ITALY	2020	123	0	0	114	0	0	3	0	0
LT LITHUANIA	2020	0	0	0	0	0	0	0	0	0
LV LATVIA	2020	213	0	0	43	0	0	0	0	0
MT MALTA	2020									
NL NETHERLANDS	2020	4	0	0				3	0	0
PT PORTUGAL	2020	0	0	0	0	0	0	0	0	0
RO ROMANIA	2020	10045	0	2				148	0	0
SE SWEDEN	2020	147	0	0	455	0	0	0	0	0
SI SLOVENIA	2020									
SK SLOVAKIA	2020	12	1	0	12	0	0	0	1	0
UK UNITED KINGDOM	2020									
Total year 2020		17475	3	2	7168	2	0	155	1	0
OTHER COUNTRIES										
CH SWITZERLAND	2020									
MD MOLDOVA	2020	3	0	0	3	0	0	0	0	0
NO NORWAY	2020	6	0	0	0	0	0	0	0	0
Total year 2020		9	0	0	3	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										
AT	AUSTRIA	2020	352	307	109	0	130	0	591	307
BG	BULGARIA	2020	119	116	32	32	23	23	174	171
CZ	CZECH REPUBLIC	2020	450	341	80	71	158	144	688	556
DE	GERMANY	2020	4726	3952	916	851	2377	2261	8019	7064
EE	ESTONIA	2020	68		9		19		96	0
ES	SPAIN	2020	2049	0	867	0	459	0	3375	0
FI	FINLAND	2020	263	258	55	54	92	92	410	404
FR	FRANCE	2020							0	0
HR	CROATIA	2020	199	167	39	34	58	58	296	259
HU	HUNGARY	2020	290	237	98	84	42	40	430	361
IT	ITALY	2020	3431	2718	1033	961	875	847	5339	4526
LT	LITHUANIA	2020	148	111	21	16	31	24	200	151
LV	LATVIA	2020							0	0
MT	MALTA	2020							0	0
NL	NETHERLANDS	2020	3343	1010	323	163	931	503	4597	1676
PT	PORTUGAL	2020	322	307	46	46	64	63	432	416
RO	ROMANIA	2020	123	115	26	23	80	76	229	214
SE	SWEDEN	2020	539	500	87	79	214	210	840	789
SI	SLOVENIA	2020							0	0
SK	SLOVAKIA	2020	160	127	31	30	48	44	239	201
UK	UNITED KINGDOM	2020	0	0	0	0	0	0	0	0
Total year 2020			16582	10266	3772	2444	5601	4385	25955	17095
OTHER COUNTRIES										
CH	SWITZERLAND	2020	521	417	136	110	152	119	809	646
MD	MOLDOVA	2020	17	0	0	0	0	0	17	0
NO	NORWAY	2020	37	31	1	1	120	120	158	152
Total year 2020			575	448	137	111	272	239	984	798

! 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	2020	1		351		0	0	15		94		0	0	16		114		0	0	
BG BULGARIA	2020	0	0	119	116	0	0	5	5	27	27	0	0	3	3	20	20	0	0	
CZ CZECH REPUBLIC	2020	4	3	444	336	2	2	8	8	72	63	0	0	6	6	152	138	0	0	
DE GERMANY	2020	33	28	4693	3924	0	0	140	135	776	716	0	0	169	161	2207	2099	1	1	
EE ESTONIA	2020	0		68		0	0	3		6		0	0	3		16		0	0	
ES SPAIN	2020	3		2045		1		75		792		0		43		393		23		
FI FINLAND	2020	1	1	262	257	0	0	6	6	49	48	0	0	20	20	72	72	0	0	
FR FRANCE	2020																			
HR CROATIA	2020	0	0	199	167	0	0	7	4	32	30	0	0	8	8	50	50	0	0	
HU HUNGARY	2020	1	1	289	236	0	0	9	9	89	75	0	0	12	11	27	26	3	3	
IT ITALY	2020	20	20	3408	2695	3	3	280	266	748	690	5	5	135	132	720	699	20	16	
LT LITHUANIA	2020	0	0	148	111	0	0	0	0	21	16	0	0	1	1	30	23	0	0	
LV LATVIA	2020																			
MT MALTA	2020																			
NL NETHERLANDS	2020	20	19	3323	991	0	0	31	31	292	132	0	0	66	66	786	386	79	51	
PT PORTUGAL	2020	1	1	321	306	0	0	10	10	36	36	0	0	8	8	56	55	0	0	
RO ROMANIA	2020	0	0	123	115	0	0	0	0	26	23	0	0	0	0	80	76	0	0	
SE SWEDEN	2020	1	1	538	499	0	0	15	16	72	63	0	0	20	20	190	186	4	4	
SI SLOVENIA	2020																			
SK SLOVAKIA	2020	0	0	160	127	0	0	4	4	27	26	0	0	6	6	42	38	0	0	
UK UNITED KINGDOM	2020																			
Total year 2020		85	74	16491	9880	6	5	608	494	3159	1945	5	5	516	442	4955	3868	130	75	
OTHER COUNTRIES																				
CH SWITZERLAND	2020	0	0	521	417	0	0	19	17	116	92	1	1	16	16	134	101	2	2	
MD MOLDOVA	2020	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NO NORWAY	2020	0	0	37	31	0	0	0	0	1	1	0	0	16	16	0	0	104	104	
Total year 2020		17	0	558	448	0	0	19	17	117	93	1	1	32	32	134	101	106	106	



Eurocet Registry

Section 4: Transplant Centers

HPC Transplantation

3 - OTHER PROCEDURE associated with HPC transplantation §

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	2020	20	15	63	33	116	77
FI	FINLAND	2020	0	0	4	4	10	10
HR	CROATIA	2020	7	7	11	7	18	9
HU	HUNGARY	2020	0	0	28	15	46	15
IT	ITALY	2020	0	0				73
LV	LATVIA	2020						
NL	NETHERLANDS	2020	111	110	90	84	265	222
PT	PORTUGAL	2020	2	2	16	7	0	0
RO	ROMANIA	2020	0	0	11	3	36	12
SE	SWEDEN	2020	0	0	39	19	88	48
SK	SLOVAKIA	2020	0	0	126	11	127	19
UK	UNITED KINGDOM	2020	428		183		130	
Total year 2020			568	134	571	183	836	485
OTHER COUNTRIES								
CH	SWITZERLAND	2020			15	15	17	17
MD	MOLDOVA	2020	0	0	0	0	0	0
NO	NORWAY	2020						
Total year 2020			0	0	15	15	17	17

§ Donor lymphocyte infusion, Cytokine activated killer cells infusion, other...

! 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 2020

✓ Austria Bundesamt für Sicherheit im Gesundheitswesen (BASG) (Austrian Federal Office for Safety in Health Care)
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
✓ Czech Republic Ministerstvo zdravotnictví České republiky (MZCR) (Ministry of Health of the Czech Republic)
Denmark
✓ Estonia Ravimiamet (Estonian State Agency of Medicines)
✓ Finland Lääkealan turvallisuus- ja kehittämiskeskus (FIMEA) (Finnish Medicines Agency)
France
✓ Germany Paul-Ehrlich-Institut (PEI) (Division of Medical Biotechnology)
Greece
✓ Hungary Állami Népegészségügyi és Tisztiorvosi Szolgálat (NPHMOS) (<i>National Public Health and Medical Officer's Service</i>)
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**

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

✓ **Norway**

- Helsedirektoratet (The Directorate for Health)
 - Statens Legemiddelverk (The Norwegian Medicines Agency - NoMA)
-

Poland

✓ **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**

Bundesamt für Gesundheit - Sektion Transplantation und Fortpflanzungsmedizin/ Office fédéral de la santé publique - Section Transplantation et Procréation Médicalement assistée (FOPH) Swiss Federal Office of Public Health

Turkey

✓ **United Kingdom**

Human Tissue Authority (HTA)

European Network of Competent Authorities for Tissues and Cells

Appendix II

Glossary

—■ A

Allogeneic use: Refers to tissues and cells removed from one individual and applied to another of the same species.

Autologous use: Refers to tissues or cells removed from and applied in the same individual.

—■ 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: The smallest transplantable and functional unit of life.

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: A specific type of tissue establishment in which haematopoietic progenitor cells collected from placental and umbilical cord blood vessels are processed, cryopreserved and stored. It may also be responsible for collection, testing or distribution.

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, cells and/or embryos to an organization responsible for human application in the EU

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: An individual, living or deceased, who is a source of tissues cells or embryos for human application and for other purposes including research, from whom tissues, cells and/or embryos have been retrieved

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

European Network of Competent Authorities for Tissues and Cells

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

—■ 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.

—■ 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.