

EUROCET

*European Network of Competent
Authorities for Tissues and Cells*

Report 2019

HPC DATA
Year 2018

Last update - 17/12/2019

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European Network of Competent Authorities for Tissues and Cells

Report 2019

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 2018**. This year **23 countries** joined the collection and provided data - 20 EU Member States and 3 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

Year	Registered at 01/01 00:00		Enter in the year		Exit in the year		Registered at 31/12 24:00			
	HPC potential donor	HPC Cord blood units	HPC potential donor	HPC Cord blood units	HPC potential donor	HPC Cord blood units	HPC potential donor	HPC Cord blood units		
MEMBER STATES OF EU										
BG	BULGARIA	2018								
HR	CROATIA	2018	49836	3305	6525	198	160	1	56201	3502
CY	CYPRUS	2018	152794	4055	15893	308	4353	492	164334	3871
CZ	CZECH REPUBLIC	2018	107532	6432	11034	338	990	63	115997	6707
EE	ESTONIA	2018		0		0		0		0
FI	FINLAND	2018	41493		7346	0	652		48141	
FR	FRANCE	2018	278125	36191	18303	615	6145	155	290342	36651
DE	GERMANY	2018								
HU	HUNGARY	2018								
IT	ITALY	2018	392873	35247	36146	1161	12167	38	416852	36370
LV	LATVIA	2018								
LT	LITHUANIA	2018	11847	1567		97		0	12159	1664
MT	MALTA	2018	0	0	0	0	0	0	0	0
NL	NETHERLANDS	2018	190657	4636	84981	33	2212	3	273426	4663
PT	PORTUGAL	2018	397521	9347	8552	1044	3421	958	403832	9376
RO	ROMANIA	2018	31037	0	6409	0	161	0	37285	0
SK	SLOVAKIA	2018	15417	1778	2132	118	0	6	17549	1798
ES	SPAIN	2018	322530	65155	54011	939	3533	1633	373196	64526
SE	SWEDEN	2018	125416	4413						
UK	UNITED KINGDOM	2018								
Total year 2018			2117078	172126	251332	4851	33794	4851	2209314	4851
OTHER COUNTRIES										
MD	MOLDOVA	2018	0	0	0	0	0	0	0	0
NO	NORWAY	2018	34434		1911		1309		35036	
CH	SWITZERLAND	2018	116666	4667	14566	107	1760	3	129472	4771
Total year 2018			151100	4667	16477	107	3069	107	164508	107

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

Eurocet Registry

Section 1: Donor Registries

Searching in the National Registries

1 - SEARCHES REQUESTED (number)

	Year	ORIGIN of REQUEST			TOTAL searching requested
		COUNTRY	EU	Extra EU	
MEMBER STATES OF EU					
BG	BULGARIA	2018			
HR	CROATIA	2018	180	64	329
CY	CYPRUS	2018			126
CZ	CZECH REPUBLIC	2018	738	27400	20853
EE	ESTONIA	2018			
FI	FINLAND	2018			
FR	FRANCE	2018	1902	7231	19339
DE	GERMANY	2018			
HU	HUNGARY	2018			
IT	ITALY	2018	1763	686	606
LV	LATVIA	2018			
LT	LITHUANIA	2018			
MT	MALTA	2018	0	0	0
NL	NETHERLANDS	2018			648
PT	PORTUGAL	2018	265	1167	1094
RO	ROMANIA	2018	112	26	175
SK	SLOVAKIA	2018	77	7273	17944
ES	SPAIN	2018	909		909
SE	SWEDEN	2018			301
UK	UNITED KINGDOM	2018			
Total year 2018			5946	43847	60340
OTHER COUNTRIES					
MD	MOLDOVA	2018	0	0	0
NO	NORWAY	2018			
CH	SWITZERLAND	2018	50	258	117
Total year 2018			50	258	117

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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						
BG BULGARIA	2018					
HR CROATIA	2018	112	64	329	505	68
CY CYPRUS	2018	81	18284	8105	26389	45
CZ CZECH REPUBLIC	2018	454	27400	20853	48707	284
EE ESTONIA	2018	0	0	0	0	
FI FINLAND	2018				2699	
FR FRANCE	2018	1902	7231	19339	28472	1870
DE GERMANY	2018					
HU HUNGARY	2018					
IT ITALY	2018	1763	686	606	3055	1763
LV LATVIA	2018					
LT LITHUANIA	2018					
MT MALTA	2018	0	0	0	0	0
NL NETHERLANDS	2018	648			648	
PT PORTUGAL	2018	265	1167	1094	2526	265
RO ROMANIA	2018	112	24	175	311	112
SK SLOVAKIA	2018	77	7273	17944	25294	77
ES SPAIN	2018	909			909	909
SE SWEDEN	2018				600	600
UK UNITED KINGDOM	2018					
Total year 2018		6323	62129	68445	140115	5993
OTHER COUNTRIES						
MD MOLDOVA	2018	0	0	0	0	0
NO NORWAY	2018					132
CH SWITZERLAND	2018	41	150	69	260	774
Total year 2018		41	150	69	260	906

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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								
BG BULGARIA	2018							
CY CYPRUS	2018	50	50	50	0	0		
CZ CZECH REPUBLIC	2018	201	180	30	144	6	6	
DE GERMANY	2018							
EE ESTONIA	2018							
ES SPAIN	2018	731	500	124	277	99	108	
FI FINLAND	2018							
FR FRANCE	2018	1145	986	119	722	145	87	
HR CROATIA	2018	50	45	12	27	6	5	
HU HUNGARY	2018							
IT ITALY	2018	897	832	165	487	180	50	
LT LITHUANIA	2018							
LV LATVIA	2018							
MT MALTA	2018	0	0	0	0	0	0	
NL NETHERLANDS	2018	449	449	42	320	87		
PT PORTUGAL	2018	136	86	27	48	11	39	
RO ROMANIA	2018	44	43	2	40	1	1	
SE SWEDEN	2018							
SK SLOVAKIA	2018	51	46	7	38	1	4	
UK UNITED KINGDOM	2018							
Total year 2018		3754	3217	578	2103	536	309	228
OTHER COUNTRIES								
CH SWITZERLAND	2018			8	107	30		
MD MOLDOVA	2018	0	0	0	0	0	0	0
NO NORWAY	2018	25	6	6			8	11
Total year 2018		25	6	14	107	30	8	11

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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									
BG	BULGARIA	2018	0	22	0	22	0	0	0
CY	CYPRUS	2018	0	0	0	0	33	17	50
CZ	CZECH REPUBLIC	2018	118	137	4	141	12	6	18
DE	GERMANY	2018	3249	315	111	3675	2911	2575	5486
EE	ESTONIA	2018	178	34	0	212	0	0	0
ES	SPAIN	2018	124	277	99	376	108	123	231
FI	FINLAND	2018	122	59	5	64	13	3	16
FR	FRANCE	2018	119	722	145	986	87	72	159
HR	CROATIA	2018	12	27	6	33	6	0	6
HU	HUNGARY	2018	32	71	9	80	1	0	1
IT	ITALY	2018	171	493	196	689	67	29	96
LT	LITHUANIA	2018							
LV	LATVIA	2018							
MT	MALTA	2018	0	0	0	0	0	0	0
NL	NETHERLANDS	2018	42	320	87	449	50	45	95
PT	PORTUGAL	2018	28	23	6	29	41	11	52
RO	ROMANIA	2018		42	3	44	89	136	221
SE	SWEDEN	2018	167	121	20	141	32	21	53
SK	SLOVAKIA	2018	12	38	1	39	5	1	6
UK	UNITED KINGDOM	2018	41420	8793	4530	23364	257	327	584
Total year 2018			45794	11494	5222	30344	3712	3366	7074
OTHER COUNTRIES									
CH	SWITZERLAND	2018	8	107	30	137	42	14	56
MD	MOLDOVA	2018	0	0	0	0	0	0	0
NO	NORWAY	2018	6	71	17	88	8	11	19
Total year 2018			14	178	47	225	50	25	75

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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																	
BG	BULGARIA	2018	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0
CY	CYPRUS	2018	0	0	0	0	0	0	0	0	0	3	30	0	2	15	0
CZ	CZECH REPUBLIC	2018	108	9	1	7	127	3	0	4	0	4	10	0	4	2	0
DE	GERMANY	2018	378	2178	693	34	281	0	16	94	1	419	2477	15	495	2057	23
EE	ESTONIA	2018	2	176	0	0	34	0	0	0	0	0	0	0	0	0	0
ES	SPAIN	2018	8	93	23	55	218	4	13	75	11	8	54	46	6	23	94
FI	FINLAND	2018	14	104	4	7	50	2	1	4	0	0	11	2	1	2	0
FR	FRANCE	2018	9	74	36	135	551	36	22	98	25	7	43	37	7	19	46
HR	CROATIA	2018	3	9	0	10	17	0	2	4	0	2	4	0	0	0	0
HU	HUNGARY	2018	2	28	2	16	55	0	3	6	0	0	1	0	0	0	0
IT	ITALY	2018	52	113	6	112	375	6	38	142	16	13	37	17	6	8	15
LT	LITHUANIA	2018															
LV	LATVIA	2018															
MT	MALTA	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NL	NETHERLANDS	2018	6	34	2	17	320	43	14	48	25	10	39	1	5	40	0
PT	PORTUGAL	2018	4	24	0	4	19	0	2	4	0	5	36	0	2	9	0
RO	ROMANIA	2018				3	40	0	0	1	0	6	82	0	9	124	0
SE	SWEDEN	2018	12	155	0	14	106	1	2	16	2	3	26	3	3	18	0
SK	SLOVAKIA	2018	1	6	5	6	32	0	0	1	0	0	4	1	0	1	0
UK	UNITED KINGDOM	2018	735	12100	28585	60	509	8224	41	168	4321	28	223	6	53	232	42
Total year 2018			1334	15103	29357	480	2756	8319	154	665	4401	508	3077	128	593	2550	220
OTHER COUNTRIES																	
CH	SWITZERLAND	2018	3	5	0	17	88	2	5	24	1	8	32	2	3	10	1
MD	MOLDOVA	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NO	NORWAY	2018	3	3		18	53			17		2	6		1	10	
Total year 2018			6	8	0	35	141	2	5	41	1	10	38	2	4	20	1

BM = Bone Marrow

* Legenda **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						
BG BULGARIA	2018	2519	2641	42	80	5160
CY CYPRUS	2018	0	1707	8	1705	1741
CZ CZECH REPUBLIC	2018	1100	290	103	187	1390
DE GERMANY	2018	4530	8418	1037	7381	12948
EE ESTONIA	2018	57	3	3	0	60
ES SPAIN	2018	2084	3003	795	124	5087
FI FINLAND	2018		505			505
FR FRANCE	2018	3576	1266	988	278	4842
HR CROATIA	2018	570	1084	49	1037	1654
HU HUNGARY	2018	539	123	122	1	662
IT ITALY	2018	4618	12016	1328	11262	16634
LT LITHUANIA	2018					
LV LATVIA	2018		0	263	0	0
MT MALTA	2018	0	0	0	0	0
NL NETHERLANDS	2018	3548	3887	202	137	
PT PORTUGAL	2018	495	1200	77	1123	1695
RO ROMANIA	2018	1320	615	569	46	1935
SE SWEDEN	2018	664	1355	178	513	2019
SK SLOVAKIA	2018	3371	196	64	132	3567
UK UNITED KINGDOM	2018	7622	25653	12315	13338	33275
Total year 2018		36613	63962	18143	37344	93174
OTHER COUNTRIES						
CH SWITZERLAND	2018	533	171	107	64	704
MD MOLDOVA	2018	0	0	0	0	0
NO NORWAY	2018	126	42	17	19	168
Total year 2018		659	213	124	83	872

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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

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															
BG	BULGARIA	2018	0	98	2421	7	35	0	0	0	80	2641	7	231	4922
CY	CYPRUS	2018			0	0	2	6	5	45	1655	1707	5	75	1661
CZ	CZECH REPUBLIC	2018	4	467	639	18	82	3	28	157	2	290	50	706	644
DE	GERMANY	2018	31	4499	0	190	847	0	1241	6140	0	8418	1462	11486	0
EE	ESTONIA	2018	1	56	0	1	2	0	0	0	0	3	2	58	0
ES	SPAIN	2018	1	2083	0	96	699	0	8	93	23	3003	106	4958	23
FI	FINLAND	2018										505	14	491	0
FR	FRANCE	2018	3	3573	0	294	694	0	23	136	119	1266	320	4403	119
HR	CROATIA	2018	0	218	352	15	23	11	5	18	1014	1084	20	259	1377
HU	HUNGARY	2018	1	538		4	118		0	1		123	5	657	
IT	ITALY	2018	26	4592	0	373	953	2	201	400	10661	12016	600	5945	10663
LT	LITHUANIA	2018													
LV	LATVIA	2018						263			0	0			0
MT	MALTA	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
NL	NETHERLANDS	2018	27	2124	1397	49	152	1	21	113	3	3887			
PT	PORTUGAL	2018	3	492	0	12	62	3	11	71	1041	1200	26	625	1044
RO	ROMANIA	2018	0	221	1099	2	32	535	2	44	0	615	4	297	1634
SE	SWEDEN	2018	1	663	0	33	82	63	18	178	317	1355	53	1586	380
SK	SLOVAKIA	2018	0	164	3207	2	46	16	1	14	117	196	3	224	3340
UK	UNITED KINGDOM	2018	40	5213	2369	132	846	11337	370	1960	11008	25653	542	8019	24714
Total year 2018			138	25001	11484	1228	4675	12240	1934	9370	26040	63962	3219	40020	50521
OTHER COUNTRIES															
CH	SWITZERLAND	2018	2	531	0	22	85	0	14	47	3	171	38	663	3
MD	MOLDOVA	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
NO	NORWAY	2018		126			17			19		42	6	162	
Total year 2018			2	657	0	22	102	0	14	66	3	213	44	825	3

BM = Bone Marrow

* Legenda **PB** = Peripheral Blood

CB = Cord Blood

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

! Empty fields:


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

Eurocet Registry

Section 3: Cord Blood Banks

HPC Cord Blood Banking (units)

	Year	Collected		Cryopreserved		Distributed	
		Related	Unrelated	Related	Unrelated	Related	Unrelated
MEMBER STATES OF EU							
BG BULGARIA	2018	2421	80	2421	80	0	0
CY CYPRUS	2018	2838	1655	2690	308	0	0
CZ CZECH REPUBLIC	2018	585	15	582	2	0	4
DE GERMANY	2018	25	733			0	0
EE ESTONIA	2018	0	0	0	0	0	0
ES SPAIN	2018		954		939	0	178
FI FINLAND	2018	0	0	0	0	0	4
FR FRANCE	2018		615		36651		119
HR CROATIA	2018	11	1014	11	100	0	0
HU HUNGARY	2018	4373	0	4373	0	2	0
IT ITALY	2018	150	10661	143	668	4	38
LT LITHUANIA	2018	95	0	95	0	0	0
LV LATVIA	2018	265	0	84	0	0	0
MT MALTA	2018	125	0	125	0	0	0
NL NETHERLANDS	2018	1	111	1	33	1	74
PT PORTUGAL	2018	3	1041	3	31	0	0
RO ROMANIA	2018	10070	0			0	0
SE SWEDEN	2018	63	317	159	5062	0	3
SK SLOVAKIA	2018	16	117	16	56	0	6
UK UNITED KINGDOM	2018	11357	11008				
Total year 2018		32398	28321	10703	43930	7	426
OTHER COUNTRIES							
CH SWITZERLAND	2018		109		107		3
M MOLDOVA	2018	0	0	0	0	0	0
NO NORWAY	2018						
Total year 2018		0	109	0	107	0	3

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

Eurocet Registry

Section 3: Cord Blood Banks

HPC Cord Blood Banking

1 - UNRELATED CORD BLOOD per ORIGIN (units)

	Year	Collected			Cryopreserved			Distributed		
		from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country
MEMBER STATES OF EU										
BG BULGARIA	2018	80	0	0	80	0	0	0	0	0
CY CYPRUS	2018	1655	0	0	308	0	0	0	0	0
CZ CZECH REPUBLIC	2018	15	0	0	2	0	0	1	3	0
DE GERMANY	2018	732	0	1				0		
EE ESTONIA	2018	0	0	0	0	0	0	0	0	0
ES SPAIN	2018	939	4	11	939			163	4	11
FI FINLAND	2018	0	0	0	0	0	0	4	0	0
FR FRANCE	2018	615	0	0	36651	0	0	119	0	0
HR CROATIA	2018	1014	0	0	100	0	0	0	0	0
HU HUNGARY	2018	0	0	0	0	0	0	0	0	0
IT ITALY	2018	10661	0	0	668	0	0	38	0	0
LT LITHUANIA	2018	0	0	0	0	0	0	0	0	0
LV LATVIA	2018	0	0	0	0	0	0	0	0	0
MT MALTA	2018	0	0	0	0	0	0	0	0	0
NL NETHERLANDS	2018	40	45	26	33			3	45	26
PT PORTUGAL	2018	1041	0	0	31	0	0	0	0	0
RO ROMANIA	2018	0	0	0				0	0	0
SE SWEDEN	2018	317	0	0	5062	0	0	3	0	0
SK SLOVAKIA	2018	117	0	0	56	0	0	6	0	0
UK UNITED KINGDOM	2018									
Total year 2018		17226	49	38	43930	0	0	337	52	37
OTHER COUNTRIES										
CH SWITZERLAND	2018	107	2	1	107	0	0	3		
MD MOLDOVA	2018	0	0	0	0	0	0	0	0	0
NO NORWAY	2018									
Total year 2018		107	2	1	107	0	0	3	0	0



Empty fields:

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

Eurocet Registry

Section 3: Cord Blood Banks

HPC Cord Blood Banking

2 - RELATED CORD BLOOD per ORIGIN (units)

	Year	Collected			Cryopreserved			Distributed		
		from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country
MEMBER STATES OF EU										
BG BULGARIA	2018	2421	0	0	2421	0	0	0	0	0
CY CYPRUS	2018	1836	715	287	1743	683	264	0	0	0
CZ CZECH REPUBLIC	2018	431	154	0	432	150	0	0	0	0
DE GERMANY	2018	25	0	0				0		
EE ESTONIA	2018	0	0	0	0	0	0	0	0	0
ES SPAIN	2018									
FI FINLAND	2018	0	0	0	0	0	0	0	0	0
FR FRANCE	2018									
HR CROATIA	2018	11	0	0	11	0	0	0	0	0
HU HUNGARY	2018	4373	0	0	4373	0	0	2	0	0
IT ITALY	2018	150	0	0	143	0	0	4	0	0
LT LITHUANIA	2018	95	0	0	95	0	0	0	0	0
LV LATVIA	2018	265	0	0	84	0	0	0	0	0
MT MALTA	2018	125	0	0	125	0	0	0	0	0
NL NETHERLANDS	2018	1	0	0	1	0	0	1	0	0
PT PORTUGAL	2018	3	0	0	3	0	0	0	0	0
RO ROMANIA	2018	118022	4106	426				0	0	0
SE SWEDEN	2018	63	0	0	159	0	0	0	0	0
SK SLOVAKIA	2018	16	0	0	16	0	0	0	0	0
UK UNITED KINGDOM	2018									
Total year 2018		127837	4975	713	9606	833	264	7	0	0
OTHER COUNTRIES										
CH SWITZERLAND	2018									
MD MOLDOVA	2018	0	0	0	0	0	0	0	0	0
NO NORWAY	2018									
Total year 2018		0	0	0	0	0	0	0	0	0

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

Eurocet Registry

Section 4: Transplant Centers

HPC Transplantation

1 - Transplantation and Recipient per type (number)

	Year	AUTOLOGOUS		ALLOGENIC				Total		
		Transplants	Recipients	RELATED		UNRELATED		Transplants	Recipients	
				Transplants	Recipients	Transplants	Recipients			
MEMBER STATES OF EU										
BG	BULGARIA	2018	98	93	42	42	22	22	162	157
CY	CYPRUS	2018	24	0	0	0	0	0	24	0
CZ	CZECH REPUBLIC	2018	463	364	90	83	176	165	729	612
DE	GERMANY	2018	4540	3757	1017	943	2433	2324	7990	7024
EE	ESTONIA	2018	55		3		20		78	0
ES	SPAIN	2018	2084	0	795	0	499	0	3378	0
FI	FINLAND	2018		245				131	0	376
FR	FRANCE	2018	3316	3183	991		955		5262	3183
HR	CROATIA	2018	190	131	34	31	46	43	270	205
HU	HUNGARY	2018	307	232	80	73	92	85	479	390
IT	ITALY	2018	3310	2628	1020	948	861	848	5191	4424
LT	LITHUANIA	2018	138		21		53		212	0
LV	LATVIA	2018							0	0
MT	MALTA	2018	0	0	0	0	0	0	0	0
NL	NETHERLANDS	2018	3756	1094	253	230	574	528	4583	1852
PT	PORTUGAL	2018	378	361	68	68	91	86	537	515
RO	ROMANIA	2018	249	151	35	31	87	83	371	265
SE	SWEDEN	2018	528	505	110	104	191	190	829	799
SK	SLOVAKIA	2018	166	135	30	24	47	42	243	201
UK	UNITED KINGDOM	2018						17448	0	17448
Total year 2018			19602	12879	4589	2577	6147	21995	30338	37451
OTHER COUNTRIES										
CH	SWITZERLAND	2018	526	404	114	91	142	121	782	616
MD	MOLDOVA	2018	33	32	0	0	0	0	33	32
NO	NORWAY	2018	132	105	18	18	96	95	246	218
Total year 2018			691	541	132	109	238	216	1061	866

! 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												
	Bone Marrow		Peripheral Blood		Cord Blood		Related						Unrelated						
	Bone Marrow		Peripheral Blood		Cord Blood		Bone Marrow		Peripheral Blood		Cord Blood		Bone Marrow		Peripheral Blood		Cord Blood		
	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	
MEMBER STATES OF EU																			
BG BULGARIA	2018	0	3	98	43	0	0	7	3	35	12	0	0	0	2	22	17	0	0
CY CYPRUS	2018	0	0	24	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CZ CZECH REPUBLIC	2018	3	3	460	379	0	0	18	9	72	70	0	0	9	13	163	134	4	1
DE GERMANY	2018	37	11	4502	3531	1	0	203	148	814	704	0	1	244	226	2188	1926	1	0
EE ESTONIA	2018	0		55		0	0	1		2		0	0	0		20		0	0
ES SPAIN	2018	1		2083		0		96		699		0		73		393		33	
FI FINLAND	2018																		
FR FRANCE	2018	3312	2	4	3195		0	292		697		2		165		720		70	
HR CROATIA	2018	0	0	190	134	0	0	15	21	19	13	0	0	15	10	31	33	0	0
HU HUNGARY	2018	0	0	307	170	0	0	7	0	73	7	0	0	30	2	60	2	2	1
IT ITALY	2018	26	23	3284	2435	0	0	373	397	645	609	2	8	201	227	632	558	28	25
LT LITHUANIA	2018	0	0	138	109	0	0	0	3	21	12	0	0	0	7	53	36	0	0
LV LATVIA	2018																		
MT MALTA	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NL NETHERLANDS	2018	7	4	3749	1051	0	0	47	45	205	170	1	1	41	52	460	377	73	59
PT PORTUGAL	2018	2	1	376	362	0	0	13	6	55	56	0	0	14	21	76	59	1	1
SE SWEDEN	2018	0	0	528	447	0	0	34	31	76	48	0	0	24	28	161	142	6	8
SK SLOVAKIA	2018	0	0	166	118	0	0	2	3	28	24	0	0	8	8	39	34	0	0
UK UNITED KINGDOM	2018																		
Total year 2018		3388	47	15964	12000	1	0	1108	666	3441	1725	5	10	824	596	5018	3318	218	95
OTHER COUNTRIES																			
CH SWITZERLAND	2018	2	0	524	485	0	0	23	25	91	64	0	1	25	14	115	95	2	2
MD MOLDOVA	2018	33	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total year 2018		35	18	524	485	0	0	23	25	91	64	0	1	25	14	115	95	2	2



Eurocet Registry

Section 4: Transplant Centers

HPC Transplantation

3 - OTHER PROCEDURE associated with HPC transplantation §

Year	Autologous		Allogenic				
	N° of procedures	N° of Recipients	Related		Unrelated		
			N° of procedures	N° of Recipients	N° of procedures	N° of Recipients	
MEMBER STATES OF EU							
BG BULGARIA	2018	0	0	2	2	0	0
CY CYPRUS	2018	0	0	0	0	3	0
CZ CZECH REPUBLIC	2018	0	0	47	29	146	91
DE GERMANY	2018						
EE ESTONIA	2018						
ES SPAIN	2018						
FI FINLAND	2018						
FR FRANCE	2018				232		150
HR CROATIA	2018	1	1	20	10	24	10
HU HUNGARY	2018	0	0	46	39	44	24
IT ITALY	2018					61	61
LT LITHUANIA	2018						
LV LATVIA	2018						
MT MALTA	2018	0	0	0	0	0	0
NL NETHERLANDS	2018	122	107	126	83	210	121
PT PORTUGAL	2018	0	0	6	4	3	2
RO ROMANIA	2018	0	0	1	1	23	12
SE SWEDEN	2018	0	0	24	16	31	19
SK SLOVAKIA	2018	1	1	63	10	102	10
UK UNITED KINGDOM	2018	287		185		0	
Total year 2018		411	109	520	426	647	500
OTHER COUNTRIES							
CH SWITZERLAND	2018				11		14
MD MOLDOVA	2018	0	0	0	0	0	0
NO NORWAY	2018			2	1	6	6
Total year 2018		0	0	2	12	6	20

§ 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 2018

Austria

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**
Υπουργείο Υγείας της Κυπριακής Δημοκρατίας (ΜΟΗ) (Ministry of Health of Republic of 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**
Agence de la biomédecine (ABM) (French Biomedicine Agency)

 - ✓ **Germany**
Paul-Ehrlich-Institut (PEI) (Division of Medical Biotechnology)
-

Greece

- ✓ **Hungary**
Emberi Erőforrások Minisztériuma (EMMI) - Ministry of Human Capacities
-

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**

Ministry of Health (MOH)

✓ **Moldova**

AT - (The Transplant Agency)

✓ **Netherlands**

Ministerie 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)

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.