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European Network of Competent Authorities for Tissues and Cells

Report 2018

HPC DATA
Year 2017

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European Network of Competent Authorities for Tissues and Cells

Report 2018

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 2017.
This year **23 countries** joined the collection and provided data - 21 EU Member States and 2 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 Registries**[1]

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 Banks**[2]

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

- 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 team

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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										
AT	AUSTRIA	**2017**								
BG	BULGARIA	**2017**			19					
HR	CROATIA	**2017**	47103	3237	2733	71	40	3	49836	3305
CY	CYPRUS	**2017**	144890	3675	7904	380	450	19	152794	4055
CZ	CZECH REPUBLIC	**2017**	93608	4173	12048	27	989	1	105791	4198
EE	ESTONIA	**2017**		0		0		0		0
FI	FINLAND	**2017**	33119	3344	9035	0	661	2	41493	3342
FR	FRANCE	**2017**	263343	35103	20866	1254	6119	166	278125	36191
DE	GERMANY	**2017**								
HU	HUNGARY	**2017**								
IT	ITALY	**2017**	380594	34453	23728	823	11449	29	392873	35247
LV	LATVIA	**2017**								
LT	LITHUANIA	**2017**	11440	1472		95		0	11847	1567
MT	MALTA	**2017**	0	0	0	0	0	0	0	0
NL	NETHERLANDS	**2017**	132723	4237					190657	4636
PT	PORTUGAL	**2017**	395568	9248	4595	1577	2642	1491	397521	9334
SK	SLOVAKIA	**2017**	10491	1745	4936	0	10	3	15417	1742
SI	SLOVENIA	**2017**	16871	343	2959		265		19565	343
ES	SPAIN	**2017**	247049	63578	78291	1582	2754	177	322530	65155
SE	SWEDEN	**2017**								
UK	UNITED KINGDOM	**2017**								
	Total year 2017		**1776799**	**164608**	**167114**	**5809**	**25379**	**5809**	**1978449**	**5809**
OTHER COUNTRIES										
MD	MOLDOVA	**2017**	0	0	0	0	0	0	0	0
CH	SWITZERLAND	**2017**	103822	4704					116652	4774
	Total year 2017		**103822**	**4704**	**0**	**0**	**0**	**0**	**116652**	**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*

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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	**2017**				
BG	BULGARIA	**2017**	0	0	0	**0**
HR	CROATIA	**2017**	175	216	244	**635**
CY	CYPRUS	**2017**				**83**
CZ	CZECH REPUBLIC	**2017**	378	11343	33365	**64888**
EE	ESTONIA	**2017**				
FI	FINLAND	**2017**				**25174**
FR	FRANCE	**2017**	1976	6878	17886	**26740**
DE	GERMANY	**2017**				
HU	HUNGARY	**2017**				
IT	ITALY	**2017**	1785	755	764	**3304**
LV	LATVIA	**2017**				
LT	LITHUANIA	**2017**				
MT	MALTA	**2017**	0	0	0	**0**
NL	NETHERLANDS	**2017**				**609**
PT	PORTUGAL	**2017**	250	1152	1214	**2616**
SK	SLOVAKIA	**2017**	57	7126	16650	**23833**
SI	SLOVENIA	**2017**	32			**32**
ES	SPAIN	**2017**	926			**926**
SE	SWEDEN	**2017**				
UK	UNITED KINGDOM	**2017**				
	Total year 2017		5579	27470	70123	**148840**
OTHER COUNTRIES						
MD	MOLDOVA	**2017**	0	0	0	**0**
CH	SWITZERLAND	**2017**				**3070**
	Total year 2017					**3070**

Empty fields:

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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	**2017**					
BG	BULGARIA	**2017**		0	0	**0**	**0**
HR	CROATIA	**2017**	110	216	244	**570**	**65**
CY	CYPRUS	**2017**	53	7098	17995	**25093**	**30**
CZ	CZECH REPUBLIC	**2017**	378	11343	33365	**64888**	**297**
EE	ESTONIA	**2017**	0	0	0	**0**	
FI	FINLAND	**2017**				**195**	**24979**
FR	FRANCE	**2017**	1976	6878	17886	**26740**	**1941**
DE	GERMANY	**2017**					
HU	HUNGARY	**2017**					
IT	ITALY	**2017**	1785	755	764	**3304**	**1785**
LV	LATVIA	**2017**					
LT	LITHUANIA	**2017**					
MT	MALTA	**2017**	0	0	0	**0**	**0**
NL	NETHERLANDS	**2017**					
PT	PORTUGAL	**2017**	250	1152	1214	**2616**	**250**
SK	SLOVAKIA	**2017**	57	7126	16648	**23831**	**57**
SI	SLOVENIA	**2017**	32	76	104	**212**	**32**
ES	SPAIN	**2017**	926			**926**	**926**
SE	SWEDEN	**2017**					
UK	UNITED KINGDOM	**2017**					
	Total year 2017		5567	34644	88220	**148375**	**30362**
OTHER COUNTRIES							
MD	MOLDOVA	**2017**	0	0	0	**0**	**0**
CH	SWITZERLAND	**2017**				**233**	**2837**
	Total year 2017		0	0	0	**233**	**2837**

Empty fields:

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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	**2017**							
BG	BULGARIA	**2017**	**0**				*0*	**0**	**0**
CY	CYPRUS	**2017**	**55**	**55**	*55*	*0*	*0*		
CZ	CZECH REPUBLIC	**2017**	**105**	**95**	*27*	*60*	*8*	**6**	**4**
DE	GERMANY	**2017**							
EE	ESTONIA	**2017**							
ES	SPAIN	**2017**	**689**	**470**	*104*	*261*	*105*	**92**	**127**
FI	FINLAND	**2017**	**141**	**129**	*30*	*88*	*11*	**9**	**3**
FR	FRANCE	**2017**	**1217**	**1037**	*167*	*710*	*160*	**92**	**88**
HR	CROATIA	**2017**	**52**	**50**	*13*	*35*	*2*	**1**	**1**
HU	HUNGARY	**2017**							
IT	ITALY	**2017**	**888**	**819**	*159*	*493*	*167*	**45**	**24**
LT	LITHUANIA	**2017**							
LV	LATVIA	**2017**							
MT	MALTA	**2017**	**0**	**0**	*0*	*0*	*0*	**0**	**0**
NL	NETHERLANDS	**2017**	**413**	**413**	*19*	*312*	*82*		
PT	PORTUGAL	**2017**	**131**	**82**	*40*	*32*	*10*	**30**	**19**
SE	SWEDEN	**2017**							
SI	SLOVENIA	**2017**			*1*	*1*	*2*		
SK	SLOVAKIA	**2017**	**46**	**45**	*1*	*42*	*2*	**0**	**1**
UK	UNITED KINGDOM	**2017**							
	Total year 2017		**3737**	**3195**	**616**	**2034**	**549**	**275**	**267**
OTHER COUNTRIES									
CH	SWITZERLAND	**2017**							
MD	MOLDOVA	**2017**	**0**	**0**	*0*	*0*	*0*	**0**	**0**
	Total year 2017		**0**	**0**	**0**	**0**	**0**	**0**	**0**

Empty fields:

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Section 1: Donor Registries

HPC Distribution and Exchange

4 - EXCHANGE of UNRELATED BAGS (number)

		Year	Distribuited NATIONALLY	RECEIVED			DISTRIBUTED		
				FROM EU	EXTRA EU	TOTAL	TO EU	EXTRA EU	TOTAL
MEMBER STATES OF EU									
AT	AUSTRIA	**2017**							
BG	BULGARIA	**2017**	0	18	1	**19**	0	0	**0**
CY	CYPRUS	**2017**	0	0	0	**0**	3	1	**4**
CZ	CZECH REPUBLIC	**2017**	105	60	8	**68**	6	4	**10**
DE	GERMANY	**2017**	3168	399	106	**3673**	2838	2557	**5395**
EE	ESTONIA	**2017**	163	13	0	**176**	0	0	**0**
ES	SPAIN	**2017**	104	261	105	**366**	92	127	**219**
FI	FINLAND	**2017**	28	70	7	**105**	7	4	**11**
FR	FRANCE	**2017**	167	710	160	**1037**	92	88	**180**
HR	CROATIA	**2017**	13	29	3	**32**	1	2	**3**
HU	HUNGARY	**2017**	11	13	0	**13**	0	0	**0**
IT	ITALY	**2017**	161	505	184	**689**	54	42	**96**
LT	LITHUANIA	**2017**	10	25	3	**38**	3	1	**14**
LV	LATVIA	**2017**							
MT	MALTA	**2017**	0	0	0	**0**	0	0	**0**
NL	NETHERLANDS	**2017**	19	322	72	**413**	55	30	**85**
PT	PORTUGAL	**2017**	43	21	6	**27**	31	20	**51**
SE	SWEDEN	**2017**	196	152	19	**171**	18	17	**35**
SI	SLOVENIA	**2017**	1	23	3	**27**	1	2	**3**
SK	SLOVAKIA	**2017**	6	36	2	**38**	6	1	**7**
UK	UNITED KINGDOM	**2017**	31428	4402	4091	**39759**	558	372	**930**
	Total year 2017		35623	7059	4770	**46651**	3765	3268	**7043**
OTHER COUNTRIES									
CH	SWITZERLAND	**2017**		102	28	**130**	28	22	**50**
MD	MOLDOVA	**2017**	0	0	0	**0**	0	0	**0**
	Total year 2017		0	10	2	**13**	2	2	**50**

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Section 1: Donor Registries

HPC Distribution and Exchange

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

		Year	Distributed NATIONALLY			RECEIVED						DISTRIBUITED					
						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	**2017**															
BG	BULGARIA	**2017**	0	0	0	3	15	0	0	0	0	0	0	0	0	0	0
CY	CYPRUS	**2017**	0	0	0	0	0	0	0	0	0	3	30	0	1	15	0
CZ	CZECH REPUBLIC	**2017**	11	57	0	15	51	0	4	6	0	1	7	0	1	3	0
DE	GERMANY	**2017**	302	2287	579	10	375	14	13	93	0	483	2327	28	533	1974	50
EE	ESTONIA	**2017**	4	159	0	2	11	0	0	0	0	0	0	0	0	0	0
ES	SPAIN	**2017**	14	69	21	46	204	11	14	78	13	8	31	53	3	21	103
FI	FINLAND	**2017**	7	20	1	11	59	0	0	7	0	2	5	0	0	3	1
FR	FRANCE	**2017**	26	96	45	128	539	43	39	98	23	13	39	40	5	16	67
HR	CROATIA	**2017**	2	11	0	7	22	0	1	2	0	1	0	0	1	0	1
HU	HUNGARY	**2017**	6	5	0	6	7	0	0	0	0	0	0	0	0	0	0
IT	ITALY	**2017**	48	111	2	147	346	12	42	125	17	9	33	12	8	19	15
LT	LITHUANIA	**2017**	0	10	0	0	25	0	0	3	0	0	3	0	0	1	0
LV	LATVIA	**2017**															
MT	MALTA	**2017**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NL	NETHERLANDS	**2017**	3	13	3	23	254	45	5	41	26	13	41	1	11	17	2
PT	PORTUGAL	**2017**	7	36	0	8	13	0	2	3	1	4	27	0	6	14	0
SE	SWEDEN	**2017**	14	182	0	24	128	0	5	14	0	2	11	5	1	12	4
SI	SLOVENIA	**2017**		1			22	1		2	1		1			2	
SK	SLOVAKIA	**2017**	4	2	0	2	34	0	0	2	0	0	0	6	0	1	0
UK	UNITED KINGDOM	**2017**	1008	15541	14879	123	634	3645	50	115	3926	114	336	108	51	227	94
Total year 2017			1456	18600	15530	555	2739	3771	**175**	589	4007	**653**	**2891**	**253**	**621**	**2325**	**337**
OTHER COUNTRIES																	
CH	SWITZERLAND	**2017**				12	89	1	5	22	1	5	23	0	3	18	1
MD	MOLDOVA	**2017**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total year 2017			0	0	0	12	89	1	**5**	22	1	**5**	**23**	**0**	**3**	**18**	**1**

* Legenda

BM = Bone Marrow

PB = Peripheral Blood

CB = Cord Blood

Empty fields:

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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	**2017**					
BG	BULGARIA	**2017**	**68**	**15**	*15*	*0*	**83**
CY	CYPRUS	**2017**	**1335**	**1837**	*11*	*1826*	**3172**
CZ	CZECH REPUBLIC	**2017**	**788**	**114**	*62*	*52*	**902**
DE	GERMANY	**2017**	**4300**	**8135**	*970*	*7165*	**12435**
EE	ESTONIA	**2017**	**47**	**4**	*4*	*0*	**51**
ES	SPAIN	**2017**	**2090**	**871**	*767*	*104*	**2961**
FI	FINLAND	**2017**	**305**	**80**	*41*	*39*	**385**
FR	FRANCE	**2017**	**3617**	**1250**	*903*	*347*	**4867**
HR	CROATIA	**2017**	**529**	**1206**	*50*	*1156*	**1735**
HU	HUNGARY	**2017**	**179**	**7**	*7*	*0*	**186**
IT	ITALY	**2017**	**2981**	**1361**	*1104*	*257*	**4342**
LT	LITHUANIA	**2017**	**409**	**52**	*28*	*24*	**461**
LV	LATVIA	**2017**			*188*		**188**
MT	MALTA	**2017**	**0**	**0**	*0*	*0*	**0**
NL	NETHERLANDS	**2017**	**3173**	**580**	*243*	*337*	**3753**
PT	PORTUGAL	**2017**	**419**	**173**	*76*	*97*	**592**
SE	SWEDEN	**2017**	**735**	**622**	*99*	*523*	**1357**
SI	SLOVENIA	**2017**		**4**			**4**
SK	SLOVAKIA	**2017**	**3294**	**78**	*65*	*13*	**3372**
UK	UNITED KINGDOM	**2017**	**8483**	**10230**			**18713**
	Total year 2017		**32752**	**26619**	***4633***	***11940***	**59559**
OTHER COUNTRIES							
CH	SWITZERLAND	**2017**		**4402**	*4251*	*151*	**4402**
MD	MOLDOVA	**2017**	**19**	**0**	*0*	*0*	**19**
	Total year 2017		**19**	**4402**	***4251***	***151***	**4421**

Empty fields:

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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	**2017**													
BG	BULGARIA	**2017**	0	68	2311	5	10	0	0	0	62	*77*	**5**	**78**	**2373**
CY	CYPRUS	**2017**	0	27	1308	0	3	8	4	45	1777	*1837*	**4**	**75**	**3093**
CZ	CZECH REPUBLIC	**2017**	3	337	448	5	56	1	8	43	1	*114*	**16**	**436**	**450**
DE	GERMANY	**2017**	28	4272	0	156	814	0	1276	5889	0	*8135*	**1460**	**10975**	**0**
EE	ESTONIA	**2017**	2	45	0	2	2	0	0	0	0	*4*	**4**	**47**	**0**
ES	SPAIN	**2017**	7	2083	0	76	690	1	14	69	21	*871*	**97**	**2842**	**22**
FI	FINLAND	**2017**			0			0	10	28	1	*80*			**1**
FR	FRANCE	**2017**	5	3612		267	636		44	151	152	*1250*	**316**	**4399**	**152**
HR	CROATIA	**2017**	0	207	322	21	19	10	4	11	1141	*1206*	**25**	**237**	**1473**
HU	HUNGARY	**2017**	0	179		0	7		0	0		*7*	**0**	**186**	
IT	ITALY	**2017**	24	2956	1	423	672	161	65	163	11735	*13219*	**512**	**3791**	**11897**
LT	LITHUANIA	**2017**	0	296	113	3	25	0	7	17	0	*52*	**10**	**338**	**113**
LV	LATVIA	**2017**						188							**188**
MT	MALTA	**2017**	0	0	0	0	0	0	0	0	0	*0*	**0**	**0**	**0**
NL	NETHERLANDS	**2017**	14	1877	1282	45	195	3	35	102	200	*580*	**94**	**2174**	**1485**
PT	PORTUGAL	**2017**	1	418	0	8	68	0	18	69	10	*173*	**27**	**555**	**10**
SE	SWEDEN	**2017**	1	692	42	39	59	1	17	135	371	*622*	**57**	**886**	**414**
SI	SLOVENIA	**2017**										*4*		**4**	
SK	SLOVAKIA	**2017**	1	195	3098	4	41	20	4	3	6	*78*	**9**	**239**	**3124**
UK	UNITED KINGDOM	**2017**	350	5595	2538							*10230*	**1288**	**8983**	**8442**
Total year 2017			**436**	**22859**	**11463**	**1054**	**3297**	**393**	**1506**	**6725**	**15477**	**38477**	**3924**	**36245**	**33237**
OTHER COUNTRIES															
CH	SWITZERLAND	**2017**	0	589		33	88	4130	9	48	94	*4402*	**42**	**725**	**4224**
MD	MOLDOVA	**2017**	19	0	0	0	0	0	0	0	0	*0*	**19**	**0**	**0**
Total year 2017			**19**	**589**	**0**	**33**	**88**	**4130**	**9**	**48**	**94**	**4402**	**61**	**725**	**4224**

* Legenda

BM = Bone Marrow

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	**2017**						
BG	BULGARIA	**2017**	0	62	0	62	0	0
CY	CYPRUS	**2017**	8	1777	8	380	8	0
CZ	CZECH REPUBLIC	**2017**	26	358	26	358	0	0
DE	GERMANY	**2017**	13	657			0	15
EE	ESTONIA	**2017**	0	0	0	0	0	0
ES	SPAIN	**2017**		1606		1582	1	201
FI	FINLAND	**2017**	0	0	0	0	0	1
FR	FRANCE	**2017**		1254		36191		152
HR	CROATIA	**2017**	10	1141	10	153	0	1
HU	HUNGARY	**2017**	4173	0	4173	0	1	0
IT	ITALY	**2017**	161	11735	157	814	8	30
LT	LITHUANIA	**2017**	113	0	95	0	0	0
LV	LATVIA	**2017**	188		63		0	
MT	MALTA	**2017**	0	0	0	0	0	0
NL	NETHERLANDS	**2017**	3	251	2	0	1	80
PT	PORTUGAL	**2017**	10	1578	9	87	0	1
SE	SWEDEN	**2017**	1	371	54	4925	0	9
SI	SLOVENIA	**2017**	474	0	461	0		
SK	SLOVAKIA	**2017**	20	6	20	3	0	3
UK	UNITED KINGDOM	**2017**						
	Total year 2017		**5200**	**20796**	**5078**	**44555**	**19**	**493**
OTHER COUNTRIES								
CH	SWITZERLAND	**2017**	4130	94	15781	4774		
M	MOLDOVA	**2017**	0	0	0	0	0	0
	Total year 2017		**4130**	**94**	**15781**	**4774**	**0**	**0**

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

Eurocet Registry

Section 3: Cord Blood Banks

HPC Cord Blood Banking

1 - UNRELATED CORD BLOOD per ORIGIN (units)

	Year	Collected			Cryopreserved			Distributed		
		from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country
MEMBER STATES OF EU										
AT AUSTRIA	**2017**									
BG BULGARIA	**2017**	62	0	0	62	0	0	0	0	0
CY CYPRUS	**2017**	1777	0	0	380	0	0	0	0	0
CZ CZECH REPUBLIC	**2017**	358	0	0	358	0	0	0	0	0
DE GERMANY	**2017**	643	14	0				15		
EE ESTONIA	**2017**	0	0	0	0	0	0	0	0	0
ES SPAIN	**2017**	1582	11	13	1582	0	0	177	11	13
FI FINLAND	**2017**	0	0	0	0	0	0	1	0	1
FR FRANCE	**2017**	1254	0	0	36191	0	0	152	0	0
HR CROATIA	**2017**	1141	0	0	153	0	0	1	0	0
HU HUNGARY	**2017**	0	0	0	0	0	0	0	0	0
IT ITALY	**2017**	11735	0	0	814	0	0	2	12	15
LT LITHUANIA	**2017**	0	0	0	0	0	0	0	0	0
LV LATVIA	**2017**									
MT MALTA	**2017**	0	0	0	0	0	0	0	0	0
NL NETHERLANDS	**2017**	200	36	15				77	1	2
PT PORTUGAL	**2017**	1577	0	1	86	0	1	0	0	1
SE SWEDEN	**2017**	371	0	0	4925	0	0	9	0	0
SI SLOVENIA	**2017**	0	0	0	0	0	0	0	0	0
SK SLOVAKIA	**2017**	6	0	0	3	0	0	3	0	0
UK UNITED KINGDOM	**2017**									
Total year 2017		**20706**	**61**	**29**	**44554**	**0**	**1**	**437**	**24**	**32**
OTHER COUNTRIES										
CH SWITZERLAND	**2017**	92	2	0						
MD MOLDOVA	**2017**	0	0	0	0	0	0	0	0	0
Total year 2017		**92**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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

Eurocet Registry

Section 3: Cord Blood Banks

HPC Cord Blood Banking

2 - RELATED CORD BLOOD per ORIGIN (units)

	Year	Collected			Cryopreserved			Distributed		
		from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country	from own Country	from other EU	from EXTRA EU country
MEMBER STATES OF EU										
AT AUSTRIA	**2017**									
BG BULGARIA	**2017**	0	0	0	0	0	0	0	**0**	**0**
CY CYPRUS	**2017**	8	0	0	8	0	0	8	**0**	**0**
CZ CZECH REPUBLIC	**2017**	26	0	0	26	0	0	0	**0**	**0**
DE GERMANY	**2017**	13	0	0				0		
EE ESTONIA	**2017**	0	0	0	0	0	0	0	**0**	**0**
ES SPAIN	**2017**		0	0		0	0	1	**0**	**0**
FI FINLAND	**2017**	0	0	0	0	0	0	0	**0**	**0**
FR FRANCE	**2017**									
HR CROATIA	**2017**	10	0	0	10	0	0	0	**0**	**0**
HU HUNGARY	**2017**	4173	0	0	4173	0	0	1	**0**	**0**
IT ITALY	**2017**	161	0	0	157	0	0	8	**0**	**0**
LT LITHUANIA	**2017**	113	0	0	95	0	0	0	**0**	**0**
LV LATVIA	**2017**	188	0	0	63	0	0	0	**0**	**0**
MT MALTA	**2017**	0	0	0	0	0	0	0	**0**	**0**
NL NETHERLANDS	**2017**	3	0	0	2	0	0	1	**0**	**0**
PT PORTUGAL	**2017**	10	0	0	9	0	0	0	**0**	**0**
SE SWEDEN	**2017**	1	0	0	54	0	0	0	**0**	**0**
SI SLOVENIA	**2017**	472	2	0	459	0	0	193	**0**	**0**
SK SLOVAKIA	**2017**	20	0	0	20	0	0	0	**0**	**0**
UK UNITED KINGDOM	**2017**									
Total year 2017		**5198**	**2**	**0**	**5076**	**0**	**0**	**212**	**0**	**0**
OTHER COUNTRIES										
CH SWITZERLAND	**2017**									
MD MOLDOVA	**2017**	0	0	0	0	0	0	0	**0**	**0**
Total year 2017										

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 - Tranplantation 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	**2017**							0	0
BG	BULGARIA	**2017**	51	43	13	13	20	19	84	75
CY	CYPRUS	**2017**	26	26	0	0	0	0	26	26
CZ	CZECH REPUBLIC	**2017**	489	382	82	79	161	148	732	609
DE	GERMANY	**2017**	4201	3542	913	853	2267	2152	7381	6547
EE	ESTONIA	**2017**	48		4		13		65	0
ES	SPAIN	**2017**	2090		767		464		3321	0
FI	FINLAND	**2017**							0	0
FR	FRANCE	**2017**	3321	3197	904		998		5223	3197
HR	CROATIA	**2017**	164	134	35	34	45	43	244	211
HU	HUNGARY	**2017**	171	170	7	7	5	5	183	182
IT	ITALY	**2017**	2981	2458	1104	1015	853	810	4938	4283
LT	LITHUANIA	**2017**	165	109	16	15	48	43	229	167
LV	LATVIA	**2017**							0	0
MT	MALTA	**2017**	0	0	0	0	0	0	0	0
NL	NETHERLANDS	**2017**	3723	1055	259	216	517	488	4499	1759
PT	PORTUGAL	**2017**	381	363	63	62	82	81	526	506
SE	SWEDEN	**2017**	482	447	80	79	187	178	749	704
SI	SLOVENIA	**2017**	92	92	12	12	28	28	132	132
SK	SLOVAKIA	**2017**	149	118	35	27	47	42	231	187
UK	UNITED KINGDOM	**2017**							0	0
	Total year 2017		**18534**	**12136**	**4294**	**2412**	**5735**	**4037**	**28563**	**18585**
OTHER COUNTRIES										
CH	SWITZERLAND	**2017**	485	485	116	90	137	111	738	686
MD	MOLDOVA	**2017**	18	18	0	0	0	0	18	18
	Total year 2017		**503**	**50**	**11**	**9**	**13**	**11**	**75**	**704**

Empty fields:

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

Eurocet Registry

Section 4: Transplant Centers

HPC Transplantation

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

	Year	AUTOLOGOUS						ALLOGENIC											
								Related						*Unrelated*					
		Bone Marrow		Peripheral Blood		Cord Blood		Bone Marrow		Peripheral Blood		Cord Blood		Bone Marrow		Peripheral Blood		Cord Blood	
		Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient
MEMBER STATES OF EU																			
AT AUSTRIA	**2017**																		
BG BULGARIA	**2017**	3	0	51	53	0	0	3	1	12	8	0	0	2	2	18	8	0	0
CY CYPRUS	**2017**	0	0	26	21	0	0	0		0		0	0	0		0		0	
CZ CZECH REPUBLIC	**2017**	3	0	486	368	0	0	9	7	73	86	0	0	14	14	146	145	1	0
DE GERMANY	**2017**	12	5	4189	3729	0	0	156	164	756	738	1	4	231	224	2036	1802	0	2
EE ESTONIA	**2017**	2		46		0	0	2		2		0	0	2		11		0	0
ES SPAIN	**2017**	7		2083		0		76		690		1		69		353		42	
FI FINLAND	**2017**																		
FR FRANCE	**2017**	2		3319		0		269		634		1		192		731		75	
HR CROATIA	**2017**	0	0	164	134	0	0	21	9	14	14	0	0	10	10	35	31	0	0
HU HUNGARY	**2017**	0		171		0		0		7		0		2		2		1	
IT ITALY	**2017**	24	13	2956	2342	1	0	423	400	672	502	9	6	237	234	585	500	31	21
LT LITHUANIA	**2017**	0	0	165	154	0	0	3	5	13	11	0	0	7	5	41	43	0	0
LV LATVIA	**2017**																		
MT MALTA	**2017**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NL NETHERLANDS	**2017**	12	4	3711	986	0	0	57	39	201	123	1	0	56	30	377	308	84	69
PT PORTUGAL	**2017**	1	373	380	2	0	0	6	49	57	17	0	0	21	55	60	11	1	3
SE SWEDEN	**2017**	0	2	482	533	0	0	31	23	49	66	0	0	28	31	151	138	8	8
SI SLOVENIA	**2017**	92		0		0		12		0		0		28		0		0	
SK SLOVAKIA	**2017**	0	0	149	103	0	0	3	2	32	28	0	1	9	5	38	38	0	0
UK UNITED KINGDOM	**2017**																		
Total year 2017		**158**	**397**	**18378**	**8425**	**1**	**0**	**1071**	**699**	**3212**	**1593**	**13**	**11**	**908**	**610**	**4584**	**3024**	**243**	**103**
OTHER COUNTRIES																			
MD MOLDOVA	**2017**	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total year 2017		**18**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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

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								
AT	AUSTRIA	**2017**						
BG	BULGARIA	**2017**	0	0	2	2	0	0
CY	CYPRUS	**2017**	0	0	0	0	3	3
CZ	CZECH REPUBLIC	**2017**	2	2	140	95		
DE	GERMANY	**2017**						928
EE	ESTONIA	**2017**						
FI	FINLAND	**2017**						
FR	FRANCE	**2017**				192		127
HR	CROATIA	**2017**	1	1	29	13	6	3
HU	HUNGARY	**2017**	0	0	1	1	7	1
IT	ITALY	**2017**						
LT	LITHUANIA	**2017**	0	0	1	1	3	3
LV	LATVIA	**2017**						
MT	MALTA	**2017**	0	0	0	0	0	0
NL	NETHERLANDS	**2017**	35	27	79	67	198	122
PT	PORTUGAL	**2017**	0	0	3	3	2	2
SE	SWEDEN	**2017**	3	3	37	15	33	17
SI	SLOVENIA	**2017**	803	803	0	0	0	0
SK	SLOVAKIA	**2017**	1	1	84	9	116	13
UK	UNITED KINGDOM	**2017**						
		Total year 2017	**845**	**837**	**376**	***398***	***368***	**1219**
OTHER COUNTRIES								
CH	SWITZERLAND	**2017**						
MD	MOLDOVA	**2017**	0	0	0	0	0	0
		Total year 2017						

§ 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

EUROCET

European Network of Competent Authorities for Tissues and Cells

Appendix I

List of countries and Competent Authorities providing data for 2018

✓ **Austria**
Österreichische Agentur für Gesundheit und Ernährungssicherheit (AGES) – (Austrian Agency for Health and Food Safety)

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 (MOH) (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 biomédicine (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

EUROCET

European Network of Competent Authorities for Tissues and Cells

✓ **Lithuania**
Nacionalinis Transplantacijos Biuras (NTB) (National Transplant Bureau)

Luxembourg

Macedonia

✓ **Malta**
Ministry of Health (MOH)

✓ **Moldova**
AT - (The Transplant Agency)

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

Norway

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

✓ **Slovakia**
Ministerestvo zdravotnictva Slovenskej republiky (NTO)(National Transplant Organisation)

✓ **Slovenia**
Slovenija Transplant

✓ **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.

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

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.