

# EUROCET

*European Network of Competent  
Authorities for Tissues and Cells*

## Report 2020

# HPC DATA Year 2019

**Last update - 31/12/2020**

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## European Network of Competent Authorities for Tissues and Cells

### Report 2020

This document has been produced and published by EURO CET ([www.eurocet.org](http://www.eurocet.org)) with the data collected by Competent Authorities for Tissues from European Member States (and other Extra EU countries).

**The following report shows calculations regarding the whole donation-processing-distribution-transplantation process of tissues of human origin for year 2019.**

This year **22** countries joined the collection and provided data - 18 EU Member States and 3 Extra EU countries. (*Appendix I*)

This report is divided into three main sections based on the competence of the data presented:

- **Procurement organization<sup>1</sup>**

This section includes three tables: one with the number of donors per type of donor (deceased heart-beating donor, deceased non-heart beating donor or living donor), one with data on donation per type of tissue (cornea, skin, heart valves, blood vessels, musculoskeletal, placenta, pancreas, adipose tissue, parathyroids and other tissue) and one with data on procurement per type of tissue.

- **Tissue Establishments<sup>2</sup>**

This section includes one table on processing, distribution and exchange, with the number of the different types of tissues processed, distributed nationally, received from and distributed to foreign countries (both of the EU and extra EU countries).

- **Organization responsible for human application<sup>3</sup>**

This section includes a table with data on transplantation for human application with data on the total number of transplant procedures, recipients and tissue transplanted, per each type of tissue.

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<sup>1</sup> **Procurement organization** "means a healthcare 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." (Article 2(i) of Directive 2006/86/EC)"

<sup>2</sup> **Tissue establishment** "means a tissue bank or a unit of a hospital or another body where activities of processing, preservation, storage or distribution of human tissues or cells, is undertaken. It may also be responsible for the procurement or testing of tissues and cells" (Article 3(o) of Directive 2004/23/EC).

<sup>3</sup> **Organisation responsible for human application** "means a health care establishment or a unit of a hospital or another body which carries out human application of human tissues and cells." (Article 2(j) of Directive 2006/86/EC)

## European Network of Competent Authorities for Tissues and Cells

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**  
Italian National Transplant Centre  
[www.eurocet.org](http://www.eurocet.org)

# 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
<b>MEMBER STATES OF EU</b>										
BG	BULGARIA	2019				82				
HR	CROATIA	2019	56201	3502	4488	74	106	1	60583	3575
CZ	CZECH REPUBLIC	2019	115997	6707	13559	407	869	7	128687	7107
EE	ESTONIA	2019		0		0		0		0
FI	FINLAND	2019	48141	3340	5345	0	778	0	52708	3340
FR	FRANCE	2019	290342	36651	27408	574	6244	114	311555	37111
DE	GERMANY	2019								
IT	ITALY	2019	416852	36370	46637	948	13629	38	449860	37280
LV	LATVIA	2019								
LT	LITHUANIA	2019	12402	0	161	0	48	0	12515	0
MT	MALTA	2019	0	0					0	0
NL	NETHERLANDS	2019	273431	4772	40945	0	2471	2	311905	4770
PT	PORTUGAL	2019	403832	642	8070	1274	5268	1230	406634	686
RO	ROMANIA	2019							76967	42177
SK	SLOVAKIA	2019	17549	1746	996	0	45	54	18500	1692
SI	SLOVENIA	2019	20533	342	404	0	335	0	20597	342
ES	SPAIN	2019	373196	64526	36108	457	3749	321	405562	64662
SE	SWEDEN	2019								
UK	UNITED KINGDOM	2019								
Total year 2018			2028476	158598	184121	3816	33542	3816	2256073	3816
<b>OTHER COUNTRIES</b>										
MD	MOLDOVA	2019	0	0	0	0	0	0	0	0
NO	NORWAY	2019	34830	0	1990	0	1400	0	35387	0
CH	SWITZERLAND	2019	129480	4771	14745	143	1325	3	142900	4911
Total year 2018			164310	4771	16735	143	2725	143	178287	143



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	2019					
HR	CROATIA	2019	174	81	320	575	
CZ	CZECH REPUBLIC	2019	472	26679	25667	52630	
EE	ESTONIA	2019	0	0	0	0	
FI	FINLAND	2019				33958	
FR	FRANCE	2019	1938	7493	20193	29624	
DE	GERMANY	2019					
IT	ITALY	2019	1926	753	626	3305	
LV	LATVIA	2019					
LT	LITHUANIA	2019				98	
MT	MALTA	2019	0	0	0	0	
NL	NETHERLANDS	2019				669	
PT	PORTUGAL	2019	279	990	893	2162	
RO	ROMANIA	2019					
SK	SLOVAKIA	2019	84	10973	19800	30857	
SI	SLOVENIA	2019				31	
ES	SPAIN	2019					
SE	SWEDEN	2019					
UK	UNITED KINGDOM	2019					
Total year 2018			4873	46969	67499	153909	
OTHER COUNTRIES							
MD	MOLDOVA	2019	0	0	0	0	
NO	NORWAY	2019	150				
CH	SWITZERLAND	2019	45	262	165	472	
Total year 2018			195	262	165	472	

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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 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	2019						
HR	CROATIA	2019	100	81	320	501	74	
CZ	CZECH REPUBLIC	2019	188	26679	25667	52346	284	
EE	ESTONIA	2019	0	0	0	0		
FI	FINLAND	2019	244			33958	244	
FR	FRANCE	2019	1938	7493	20193	29624	1923	
DE	GERMANY	2019						
IT	ITALY	2019	1926	753	626	3305	1926	
LV	LATVIA	2019						
LT	LITHUANIA	2019	98			98	98	
MT	MALTA	2019	0	0	0	0	0	
NL	NETHERLANDS	2019	669			669	669	
PT	PORTUGAL	2019	279	990	893	2162	279	
RO	ROMANIA	2019						
SK	SLOVAKIA	2019	84	10973	19800	30857	84	
SI	SLOVENIA	2019	31	80	63			
ES	SPAIN	2019	869					
SE	SWEDEN	2019						
UK	UNITED KINGDOM	2019						
Total year 2018			6426	47049	67562	153520		5581
OTHER COUNTRIES								
MD	MOLDOVA	2019	0	0	0	0	0	
NO	NORWAY	2019	150				150	
CH	SWITZERLAND	2019	25	141	87	253	892	
Total year 2018			175	141	87	253		1042

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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
<b>MEMBER STATES OF EU</b>								
BG BULGARIA	2019							
CZ CZECH REPUBLIC	2019	194	194	54	133	7	12	4
DE GERMANY	2019							
EE ESTONIA	2019	0	0	0	0	0	0	0
ES SPAIN	2019	679	466	116	242	108	100	113
FI FINLAND	2019	100	88	21	62	5	10	2
FR FRANCE	2019	1165	1020	106	744	170	75	70
HR CROATIA	2019	65	58	12	43	3	5	2
IT ITALY	2019	996	866	197	458	211	76	54
LT LITHUANIA	2019	63	62	12	48	2	1	0
LV LATVIA	2019							
MT MALTA	2019	0	0	0	0	0	0	0
NL NETHERLANDS	2019	463	463	32	374	57		
PT PORTUGAL	2019	122	65	20	38	7	32	25
RO ROMANIA	2019							
SE SWEDEN	2019							
SI SLOVENIA	2019			2	32	4		
SK SLOVAKIA	2019	66	62	3	58	1	1	3
UK UNITED KINGDOM	2019							
<b>Total year 2018</b>		<b>3913</b>	<b>3344</b>	<b>575</b>	<b>2232</b>	<b>575</b>	<b>312</b>	<b>273</b>
<b>OTHER COUNTRIES</b>								
CH SWITZERLAND	2019	208	4151	4	118	29	43	14
MD MOLDOVA	2019	0	0	0	0	0	0	0
NO NORWAY	2019			125	107	13		
<b>Total year 2018</b>		<b>208</b>	<b>4151</b>	<b>129</b>	<b>225</b>	<b>42</b>	<b>43</b>	<b>14</b>

! Empty fields:

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

# Eurocet Registry

## Section 1: Donor Registries

### HPC Distribution and Exchange

#### 4 - EXCHANGE of UNRELATED BAGS (number)

		Year	Distributed NATIONALLY	RECEIVED			DISTRIBUTED		
				FROM EU	EXTRA EU	TOTAL	TO EU	EXTRA EU	TOTAL
<b>MEMBER STATES OF EU</b>									
BG	BULGARIA	2019	0	17	0	17	0	0	0
CZ	CZECH REPUBLIC	2019	29	130	7	166	18	9	27
DE	GERMANY	2019	2676	273	102	3051	2748	2418	5166
EE	ESTONIA	2019	224	16	0	240	0	0	0
ES	SPAIN	2019	116	242	108	466	100	113	213
FI	FINLAND	2019	21	66	5	71	13	2	15
FR	FRANCE	2019	106	744	170	1020	75	70	145
HR	CROATIA	2019	12	43	3	46	5	2	7
IT	ITALY	2019	197	458	211	669	76	54	130
LT	LITHUANIA	2019							
LV	LATVIA	2019							
MT	MALTA	2019							
NL	NETHERLANDS	2019	32	374	57	463	106	75	182
PT	PORTUGAL	2019	17	35	9	44	32	25	57
RO	ROMANIA	2019	2	694	4	700	3	1	4
SE	SWEDEN	2019	164	168	22	190	34	23	57
SI	SLOVENIA	2019							
SK	SLOVAKIA	2019	104	58	1	59	43	3	46
UK	UNITED KINGDOM	2019							
<b>Total year 2018</b>			<b>3700</b>	<b>3318</b>	<b>699</b>	<b>7202</b>	<b>3253</b>	<b>2795</b>	<b>6049</b>
<b>OTHER COUNTRIES</b>									
CH	SWITZERLAND	2019	4	118	33	151	44	16	60
MD	MOLDOVA	2019	0	0	0	0	0	0	0
NO	NORWAY	2019							
<b>Total year 2018</b>			<b>4</b>	<b>118</b>	<b>33</b>	<b>151</b>	<b>44</b>	<b>16</b>	<b>60</b>

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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 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	2019	0	0	0	1	16	0	0	0	0	0	0	0	0	0	0	
CZ	CZECH REPUBLIC	2019	4	25	0	3	127	0	0	7	0	3	15	0	3	6	0	
DE	GERMANY	2019	211	2025	440	15	258	0	14	88	0	397	2335	16	430	1964	24	
EE	ESTONIA	2019	3	221	0	0	16	0	0	0	0	0	0	0	0	0	0	
ES	SPAIN	2019	11	98	7	56	181	5	12	91	5	8	50	42	6	34	73	
FI	FINLAND	2019	0	21	0	7	58	1	1	4	0	3	10		0	2		
FR	FRANCE	2019	11	63	32	135	579	30	32	110	28	13	33	29	9	17	44	
HR	CROATIA	2019	4	8	0	11	32	0	1	2	0	1	4	0	0	2	0	
IT	ITALY	2019	37	155	5	96	352	10	33	166	12	11	46	19	11	29	14	
LT	LITHUANIA	2019	2	85	0	6	42	0	0	2	0	0	1	0	0	0	0	
LV	LATVIA	2019																
MT	MALTA	2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NL	NETHERLANDS	2019	4	26	2	32	288	54	10	27	20	19	87	0	13	61	1	
PT	PORTUGAL	2019	1	16	0	7	27	1	1	8	0	4	28	0	9	16	0	
RO	ROMANIA	2019	0	1	1	5	44	645	0	4	0	0	3	0	0	1	0	
SE	SWEDEN	2019	23	140	1	20	147	1	2	20	0	4	28	2	4	19	0	
SI	SLOVENIA	2019	0	2	0	4	28	0	0	4	0	0	2	0	0	0	0	
SK	SLOVAKIA	2019	0	3	101	10	48	0	0	1	0	0	1	42	1	2	0	
UK	UNITED KINGDOM	2019	389	4635	12951	103	568	14766	29	211	4937	40	187	18	51	279	53	
Total year 2018			700	7524	13540	511	2811	#####	135	745	5002	503	2830	168	537	2432	209	
OTHER COUNTRIES																		
CH	SWITZERLAND	2019	0	4	0	10	108	0	8	21	4	8	35	1	2	12	2	
MD	MOLDOVA	2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NO	NORWAY	2019	3	9	0	23	72	0	2	11	0	3	3	0	1	3	0	
Total year 2018			3	13	0	33	180	0	10	32	4	11	38	1	3	15	2	

**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)

			Autologous	Allogenic				
Year				Total	Related	Unrelated	Total donation	
MEMBER STATES OF EU								
BG	BULGARIA	2019	2804	111	29	82		2915
CZ	CZECH REPUBLIC	2019	1017	184	58	126		1201
DE	GERMANY	2019	4096	7643	857	6791		11739
EE	ESTONIA	2019	114	10	10	0		124
ES	SPAIN	2019	2146	3089	827	116		
FI	FINLAND	2019	338	95	59	36		433
FR	FRANCE	2019	3404	1208	957	251		4612
HR	CROATIA	2019	637	876	53	823		1513
IT	ITALY	2019	3928	11328	1050	10278		15256
LT	LITHUANIA	2019						
LV	LATVIA	2019		249	249	0		249
MT	MALTA	2019						
NL	NETHERLANDS	2019	2890	213	237	213		
PT	PORTUGAL	2019	618	148	67	81		766
RO	ROMANIA	2019	11259	58	46	12		11317
SE	SWEDEN	2019	826	715	251	464		1541
SI	SLOVENIA	2019						
SK	SLOVAKIA	2019	3180	290	34	256		3470
UK	UNITED KINGDOM	2019						
Total year 2018			37257	26217	4784	19529		55136
OTHER COUNTRIES								
CH	SWITZERLAND	2019	555	177	112	65		732
MD	MOLDOVA	2019	32	0	0	0		0
NO	NORWAY	2019						
Total year 2018			587	177	112	65		732

 **Empty fields:**

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

# Eurocet Registry

## Section 2: Donation Centers

### HPC Donation Autologous and Allogenic

#### 2 - DONATION per SOURCE of HPC\* (number)

Year			Autologous			Allogenic						TOTAL Allo(\$)	TOTAL donation		
						Related			Unrelated						
			BM	PB	CB	BM	PB	CB	BM	PB	CB		BM	PB	CB
MEMBER STATES OF EU															
BG	BULGARIA	2019	0	119	2685	5	19	0	0	0	82	111	5	138	2767
CZ	CZECH REPUBLIC	2019	0	275	742	6	41	11	18	108	0	184	24	424	753
DE	GERMANY	2019	21	4075		152	700		1022	5769		7643	1195	10544	
EE	ESTONIA	2019	99	2	13	9	1	0	0	0	0	10	108	3	13
ES	SPAIN	2019	1	2145	0	112	715	0	11	98	7	3089			
FI	FINLAND	2019	15	323	0	13	46	0	3	33	0	95	31	402	0
FR	FRANCE	2019	4	3400		283	674		33	113		1208	320	4187	105
HR	CROATIA	2019	0	314	323	13	30	10	5	14	804	876	18	358	1137
IT	ITALY	2019	14	3912	2	368	561	121	166	436	9676	11328	548	4909	9799
LT	LITHUANIA	2019	0	205	0	0	30	0	2	10	0		2	245	0
LV	LATVIA	2019						249			0	249			249
MT	MALTA	2019	0	0	0	0	0	0							
NL	NETHERLANDS	2019	19	1349	1522	34	196	7	36	174	3	213			
PT	PORTUGAL	2019	1	617	0	7	60	0	14	62	5	148	22	739	5
RO	ROMANIA	2019	310	0	10949	39	7	0	12	0	0	58	361	7	10949
SE	SWEDEN	2019	6	820	0	38	70	143	24	138	302	715	68	1208	445
SI	SLOVENIA	2019													
SK	SLOVAKIA	2019	3	155	3022	1	22	11	1	6	249	290	5	183	3282
UK	UNITED KINGDOM	2019	36	5386	2940	245	1232	13369	277	1649	2834				
Total year 2018			529	23097	22198	1325	4404	13921	1624	8610	13962	26217	2707	23347	29504
OTHER COUNTRIES															
CH	SWITZERLAND	2019	0	555	0	27	85		10	52	3	177	37	692	3
MD	MOLDOVA	2019	32	0	0	0	0	0	0	0	0	0	0	0	0
NO	NORWAY	2019	0	319	0	7	28	3	8	34	0				
Total year 2018			32	874	0	34	113	3	18	86	3	177	37	692	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	2019	2685	82	2685	82	0	0
CZ	CZECH REPUBLIC	2019	433	0	407	0	0	0
DE	GERMANY	2019	16	481			1	0
EE	ESTONIA	2019						
ES	SPAIN	2019				457		132
FI	FINLAND	2019		0		0		0
FR	FRANCE	2019		574		37111		105
HR	CROATIA	2019	10	804	10	97	0	0
IT	ITALY	2019	123	9676	109	546	4	38
LT	LITHUANIA	2019	0	0	0	0	0	0
LV	LATVIA	2019	249	0	60	0	0	0
MT	MALTA	2019						
NL	NETHERLANDS	2019	7	75		0	1	79
PT	PORTUGAL	2019	5	1275	5	44	0	1
RO	ROMANIA	2019	7847	0	5883	0	0	0
SE	SWEDEN	2019	143	303	279	5364	0	3
SI	SLOVENIA	2019		0		0		0
SK	SLOVAKIA	2019	11	249	11	200	0	143
UK	UNITED KINGDOM	2019	2940	16023				
Total year 2018			14469	29542	9449	43901	6	501
OTHER COUNTRIES								
CH	SWITZERLAND	2019		143		143		3
MD	MOLDOVA	2019	0	0	0	0	0	0
NO	NORWAY	2019	0	0	0	0	0	0
Total year 2018			0	143	0	143	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	2019	82	0	0	82	0	0	0	0	0
CZ	CZECH REPUBLIC	2019	0	0	0	0	0	0	0	0	0
DE	GERMANY	2019	481	0	0				0		
EE	ESTONIA	2019	0	0	0	0	0	0	0	0	0
ES	SPAIN	2019				457			122	5	5
FI	FINLAND	2019	0	0	0	0	0	0	0	0	0
FR	FRANCE	2019	574	0	0	37111	0	0	105	0	0
HR	CROATIA	2019	804	0	0	97	0	0	0	0	0
IT	ITALY	2019	9676	0	0	546	0	0	38	0	0
LT	LITHUANIA	2019	0	0	0	0	0	0	0	0	0
LV	LATVIA	2019	0	0	0	0	0	0	0	0	0
MT	MALTA	2019	0	0	0	0	0	0			
NL	NETHERLANDS	2019	23	41	11				76	2	1
PT	PORTUGAL	2019	1274	1	0	44	0	0	0	1	0
RO	ROMANIA	2019	0	0	0	0	0	0	0	0	0
SE	SWEDEN	2019	302	1	0	5364	0	0	1	2	0
SI	SLOVENIA	2019									
SK	SLOVAKIA	2019	249	0	0	200	0	0	143	0	0
UK	UNITED KINGDOM	2019									
Total year 2019			13465	43	11	43901	0	0	485	10	6
OTHER COUNTRIES											
CH	SWITZERLAND	2019	143	0	0	143	0	0	3		
MD	MOLDOVA	2019	0	0	0	0	0	0	0	0	0
NO	NORWAY	2019	0	0	0	0	0	0	0	0	0
Total year 2019			143	0	0	143	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	2019	2685	0	0	2685	0	0	0	0	0
CZ	CZECH REPUBLIC	2019	222	211	0	207	200	0	0	0	0
DE	GERMANY	2019	16	0	0				1		
EE	ESTONIA	2019	13	0	0	0	0	0	0	0	0
ES	SPAIN	2019									
FI	FINLAND	2019	0	0	0	0	0	0	0	0	0
FR	FRANCE	2019									
HR	CROATIA	2019	10	0	0	10	0	0	0	0	0
IT	ITALY	2019	123	0	0	109	0	0	4	0	0
LT	LITHUANIA	2019	0	0	0	0	0	0	0	0	0
LV	LATVIA	2019	249	0	0	60	0	0	0	0	0
MT	MALTA	2019	99	0	0	99	0	0			
NL	NETHERLANDS	2019	7	0	0		0	0	1	0	0
PT	PORTUGAL	2019	5	0	0	5	0	0	0	0	0
RO	ROMANIA	2019	78	3	3	5877	3	3	0	0	0
SE	SWEDEN	2019	143	0	0	279	0	0	0	0	0
SI	SLOVENIA	2019									
SK	SLOVAKIA	2019	11	0	0	11	0	0	0	0	0
UK	UNITED KINGDOM	2019									
Total year 2019			3661	214	3	9342	203	3	6	0	0
OTHER COUNTRIES											
CH	SWITZERLAND	2019									
MD	MOLDOVA	2019	0	0	0	0	0	0	0	0	0
NO	NORWAY	2019	0	0	0	0	0	0	0	0	0
Total year 2019			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	
						RELATED		UNRELATED			
				Transplants	Recipients	Transplants	Recipients	Transplants	Recipients	Transplants	Recipients
MEMBER STATES OF EU											
BG	BULGARIA	2019	119	111	24	24	17	17	160	152	
CZ	CZECH REPUBLIC	2019	254	241	72	63	147	144	473	448	
DE	GERMANY	2019	4339	3499	809	754	2250	2135	7398	6388	
EE	ESTONIA	2019	64		8		15		87	0	
FI	FINLAND	2019			0	0	0	0	0	0	
FR	FRANCE	2019	3222	3121	971	0	993	0	5186	3121	
HR	CROATIA	2019	219	155	36	31	58	52	313	238	
IT	ITALY	2019	3520	2729	1068	990	869	822	5457	4541	
LV	LATVIA	2019							0	0	
MT	MALTA	2019	0	0	0	0	0	0	0	0	
PT	PORTUGAL	2019	419	403	60	57	66	65	545	525	
RO	ROMANIA	2019	222	222	31	31	100	100	353	353	
SE	SWEDEN	2019	618	575	105	97	207	206	930	878	
SI	SLOVENIA	2019					38		38	0	
SK	SLOVAKIA	2019	140	117	22	22	63	60	225	199	
Total year 2019			13136	11173	3206	2069	4823	3601	21165	16843	
OTHER COUNTRIES											
CH	SWITZERLAND	2019	534	429	113	92	215	193	862	714	
MD	MOLDOVA	2019	30	30	0	0	0	0	30	30	
NO	NORWAY	2019	150	104	8	8	120	120	278	232	
Total year 2019			714	563	121	100	335	313	1170	976	

Empty fields:

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

# Eurocet Registry

## Section 4: Transplant Centers

### HPC Transplantation

#### 2 - Transplantation and Recipient per source of HPC (number)

	Year	AUTOLOGOUS						ALLOGENIC											
								Related						Unrelated					
		Bone Marrow		Peripheral Blood		Cord Blood		Bone Marrow		Peripheral Blood		Cord Blood		Bone Marrow		Peripheral Blood		Cord Blood	
		Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient	Tranplant	Recipient
MEMBER STATES OF EU																			
BG BULGARIA	2019	0	3	119	43	0	0	5	3	19	12	0	0	1	2	16	17	0	0
CZ CZECH REPUBLIC	2019	0	3	254	379	0	0	7	9	65	70	0	0	5	13	142	134	0	1
DE GERMANY	2019	8	11	4331	3531	0	0	136	148	673	704	0	1	234	226	2016	1926	0	0
EE ESTONIA	2019	2		62		0	0	1		7		0	0	0		15		0	0
ES SPAIN	2019	1		2145		0		112		715		0		80		372		19	
FI FINLAND	2019					0													
FR FRANCE	2019	3	2	3219	3195		0	284		682		5		177		747		69	
HR CROATIA	2019	0	0	219	134	0	0	13	21	23	13	0	0	16	10	42	33	0	0
IT ITALY	2019	14	23	3505	2435	1	0	368	397	699	609	1	8	166	227	677	558	26	25
LT LITHUANIA	2019	0	0	169	109	0	0	0	3	21	12	0	0	0	7	51	36	0	0
LV LATVIA	2019																		
MT MALTA	2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NL NETHERLANDS	2019	0	4	4094	1051	0	0	36	45	218	170	1	1	50	52	348	377	73	59
PT PORTUGAL	2019	0	1	418	362	1	0	7	6	53	56	0	0	12	21	53	59	1	1
SE SWEDEN	2019	3	0	615	447	0	0	38	31	66	48	1	0	24	28	180	142	3	8
SI SLOVENIA	2019		92		0		0		12		0		0	4	28	34	0	0	0
SK SLOVAKIA	2019	0	0	140	118	0	0	2	3	20	24	0	0	10	8	53	34	0	0
UK UNITED KINGDOM	2019																		
Total year 2019		31	139	19290	11804	2	0	1009	678	3261	1718	8	10	779	622	4746	3316	191	94
OTHER COUNTRIES																			
CH SWITZERLAND	2019	0	0	534	485	0	0	28	25	84	64	1	1	28	14	185	95	2	2
MD MOLDOVA	2019	30	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total year 2019		30	18	534	485	0	0	28	25	84	64	1	1	28	14	185	95	2	2





# 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								
BG	BULGARIA	2019			0	0	0	0
CZ	CZECH REPUBLIC	2019	4	2	58	35	106	65
FI	FINLAND	2019	0	0	14	6	7	3
HR	CROATIA	2019	2	2	21	7	9	5
IT	ITALY	2019	0				53	53
LV	LATVIA	2019						
PT	PORTUGAL	2019	1	1	8	4	4	4
RO	ROMANIA	2019	0	0	4	4	10	10
SE	SWEDEN	2019	0	0	62	22	52	32
SK	SLOVAKIA	2019	0	0	188	11	94	14
Total year 2019			7	5	355	89	335	186
OTHER COUNTRIES								
CH	SWITZERLAND	2019			14	14	6	6
MD	MOLDOVA	2019	0	0	0	0	0	0
Total year 2019			0	0	14	14	6	6

§ 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 2019

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



**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

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

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### Macedonia

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#### ✓ Malta

Ministry of Health (MOH)

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#### ✓ Moldova

AT - (The Transplant Agency)

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#### ✓ Netherlands

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

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#### ✓ Norway

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

### Poland

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#### ✓ 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)

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#### ✓ Slovakia

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

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#### ✓ Slovenia

Slovenija-transplant (ST), (Institute for Transplantation of organs and tissues of the Republic of Slovenia)

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#### ✓ Spain

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

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#### ✓ Sweden

Health and Social Care Inspectorate (IVO)

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#### ✓ 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

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### Turkey

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#### ✓ United Kingdom

Human Tissue Authority (HTA)

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## European Network of Competent Authorities for Tissues and Cells

### Appendix II

## Glossary

#### —■ A

**Allogeneic use:** cells removed from one person and applied to another.

**Autologous use:** cells removed from and applied in the same person.

#### —■ B

**Banking:** Processing, preservation, storage and distribution of cells for human application or other purposes, including research and training.

**Bone Marrow:** Tissue at the centre of large bones. It is the place where new blood cells are produced. Bone marrow contains two types of stem cell: haematopoietic (which can produce blood cells) and stromal (which can produce fat, cartilage and bone). In this collection: as a source of hematopoietic stem cells or mesenchymal stem cells.

#### —■ C

**Cells:** means individual human cells or a collection of human cells when not bound by any form of connective tissue.

**Collection:** any procedure for procuring a cellular therapy product regardless of technique or source (Synonym: harvest).

**Competent Authority (or Health Authority/Regulatory Authority/Regulatory Agency):** the body which has been delegated with the responsibility for ensuring that tissue and cell donation, banking and human application are appropriately promoted, regulated and monitored in the interests of donor and patient safety and public transparency on a national or regional basis by their government.

**Cord Blood:** Blood collected from placental vessels and umbilical cord blood vessels after the umbilical cord is clamped and/or severed as a source of haematopoietic progenitor cells.

**Cord Blood Bank:** An organisation responsible for donor management and the collection, processing, testing, cryopreservation, storage, listing, reservation, release, and distribution of cord blood units.

**Cryopreservation:** Preservation and storage of viable tissues and cells (including gametes and embryos) to preserve viability, either by freezing or vitrification, or alternatively (to extend their viable life) by low-temperature storage.

## European Network of Competent Authorities for Tissues and Cells

### — ■ D

**Distribution:** transportation and delivery of tissues or cells intended for human applications.

**Donation:** donating human tissues or cells intended for human applications.

**Donation centre:** An organisation responsible for donor recruitment, consenting, testing, management and the collection of donor personal, genetic, medical data.

**Donor:** Every human source, whether living or deceased of human cells.

**Donor Registry:** An organisation responsible for coordination of the search for haematopoietic stem cells from donors (including cord blood) unrelated to the potential recipient.

### — ■ H

**HPC Transplant Centre:** A medical facility where a patient (recipient) receives a transplant (graft) with HSC from an unrelated donor or from an umbilical cord blood unit. The TC oversees the immediate medical treatment and provides long-term follow-up of the recipient. The search unit undertakes the search for an unrelated donor for specific patients using criteria defined and documented by the TC. This entity may be contained within a TC or may be separate from the TC. If separate, the search unit may coordinate searches for one or several TCs. In the standards, reference to a TC should be interpreted as a TC and/or a search unit as appropriate. Transplant centres/search units seeking an international donor work through the registry in their country.

**Hematopoietic Progenitor Cells (HPC):** Primitive haematopoietic cells capable of self-renewal as well as maturation into any of the haematopoietic lineages, including committed and lineage-restricted progenitor cells, unless otherwise specified and regardless of tissue source. Also referred to as 'haematopoietic stem cells'.

**Human Application:** The use of tissues or cells on or in a human recipient.

**Human tissues and cells for human application:** Material containing or consisting of human tissues and/or cells intended for implantation, transplantation, infusion, or transfer into a human recipient.

### — ■ N

**Number of cells distributed:** the total number transported or delivered to a clinical unit (as Article 3 (k) of Directive 2004/23/EC defines. **Distribution:** *"means transportation and delivery of tissues or cells intended for human applications"* (Article 3 (k) Directive 2004/23/EC), whereas '**human application**' is defined in the same article as follows: *"means the use of tissues or cells on or in a human recipient and extracorporeal applications".*)

### — ■ O

**Organisation responsible for human application:** means a healthcare establishment or a unit of a hospital or another body which carries out human application of human tissues and cells

## European Network of Competent Authorities for Tissues and Cells

### —■ P

**Peripheral Blood:** in this collection: HSC hematopoietic stem cells collected in peripheral blood by apheresis.

**Potential donor:** Any person who has no medical contraindications for organ, tissue or cell donation and who meets the definition of a deceased heartbeating donor, deceased non-heartbeating donor or living donor.

**Procurement organisation:** means a health care establishment or a unit of a hospital or another body that undertakes the procurement of human tissues and cells and that may not be accredited, designated, authorised or licensed as a tissue establishment.

### —■ R

**Recipient:** Person to whom human tissues, cells or reproductive cells and embryos are applied.

**Related:** Existence of a genetic relationship between donor and recipient.

### —■ S

**Search Performed:** Number of searches for compatibility performed in the marrow registry.

### —■ T

**Transplantation/implantation/grafting:** Transfer (engraftment) of human tissues or cells from a donor to a recipient with the aim of restoring function(s) in the body.

**Transplant Centre:** See Organisation responsible for human application.

### —■ U

**Unique donation number:** The unique number attributed to a specific donation of tissues and cells in line with the system in place in each Member State for allocating such numbers, as further specified in Annex VII to Commission Directive (EU) 2015/565.

**Unrelated:** Where there exists no genetic relationship between donor and recipient.