

## EBMT ACTIVITY SURVEY 2017

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## **Activity Survey 2017**

#### **Patient and Transplant Numbers**

Teams: 683	Partic	Participating countries: 50							
	Allogeneic	Allogeneic Autologous							
1 <sup>st</sup> . allo / 1 <sup>st</sup> . auto HSCT	17 155	23 945	41 100						
Re/Additional transplants	1 126	3 192	4 318						
Total HSCT	18 281	27 137	45 418						
Myeloablative HSCT	61%								

Main Indications 1 <sup>st</sup> . HSCT										
Myeloid malignancies	9 772	375	10 147							
Lymphoid malignancies	5 015	21 473	26 488							
Solid tumours	36	1 571	1 607							
Bone marrow failure	802	1	803							
Other non-malignant disorders	1 371	493	1 864							
Other	159	32	191							

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Myelo	id malignancie	S								
AML 1 <sup>st</sup> . CR	3 753	293	4 046							
not 1 <sup>st</sup> . CR	1 950	59	2 009							
AML therapy related	277	2	279							
AML from MDS/MPN	696	6	702							
CML 1 <sup>st</sup> . cP	136	0	136							
not 1 <sup>st</sup> . cP	199	0	199							
MDS or MD/MPN, MPN	2 761	15 2 77								
Lymp	hoid neoplasia	l								
ALL 1 <sup>st</sup> . CR	1 652	82	1 734							
not 1 <sup>st</sup> . CR	1 029	8	1 037							
CLL	230	9	239							
Plasma cell disorders	385	12 692	13 077							
Hodgkin lymphoma	444	2 152	2 596							
Non-Hodgkin lymphoma	1 275	6 530	7 805							
Sc	olid tumours									
Neuroblastoma	26	537	563							
Soft tissue sarcoma/Ewing	8	229	237							
Germ cell tumour	0	372	372							
Breast cancer	0	13	13							
Other solid tumour	2	422								
Non ma	lignant disorde	ers								
Bone marrow failure - SAA	583	1	584							
Bone marrow failure - other	219	0	219							
Thalassemia	420	6	426							
Sickle cell disease	215	1	216							
Primary immune deficiency	554	13	567							
Inherited disorder of metabolism	159	10	169							
Auto immune disorder	23	463	486							
Others	159	32	191							

Paediatric patients													
Family Unrelated Autologous											us		
HL	A-id/tv	win	Нар	lo-id	Other relative								
BM	PB	СВ	BM	PB	BM	PB	СВ	BM	PB	СВ	BM	PB	СВ
930	283	31	183	471	89	89	2	893	588	166	80	1 249	2
2 078							1 647 1 331						

## Other trends in 2017

- Number of HSCT continue to increase: > 45, 400 HSCT
- Continued increase in haplo-identical HSCT: 13%
- Continued decrease in cord blood HSCT: 16%
- Continued increase in cellular therapies: 28% since 2015

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### **HSCT in Europe 2017**

Figure 1a: Allogeneic HSCT

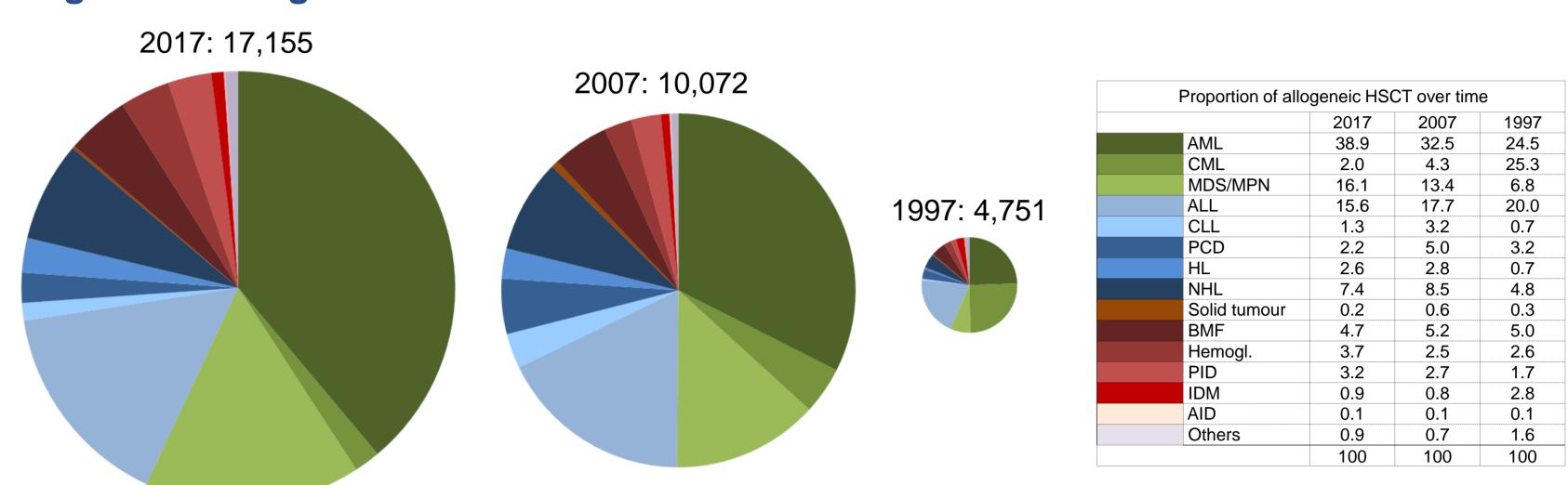


Figure 1b: Autologous HSCT

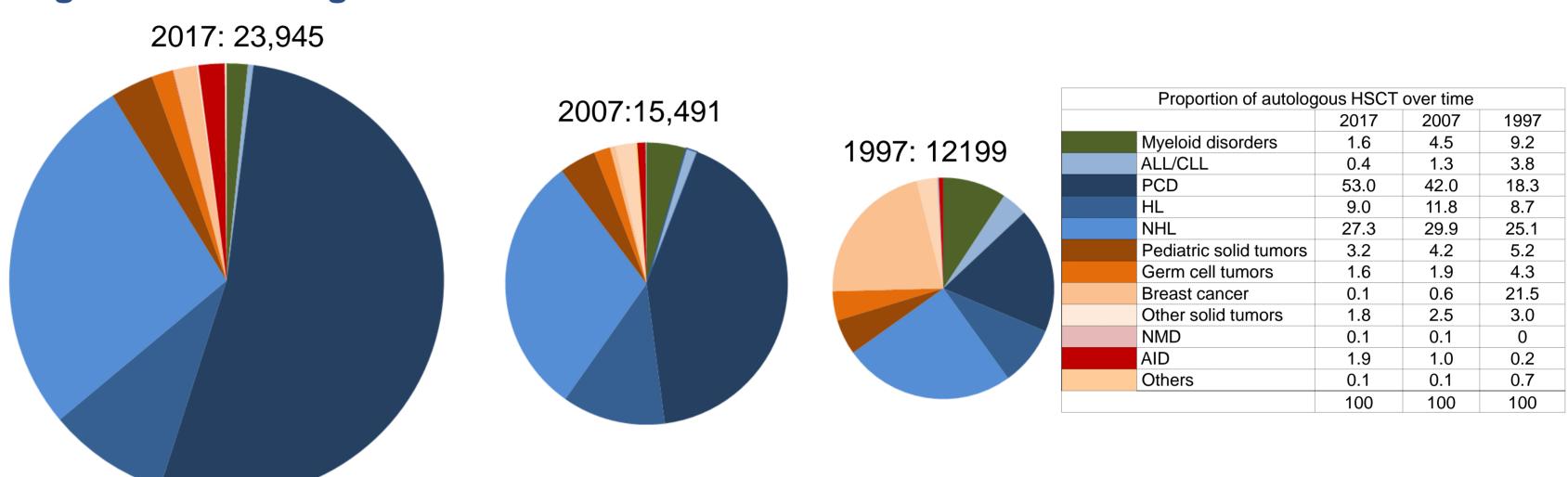
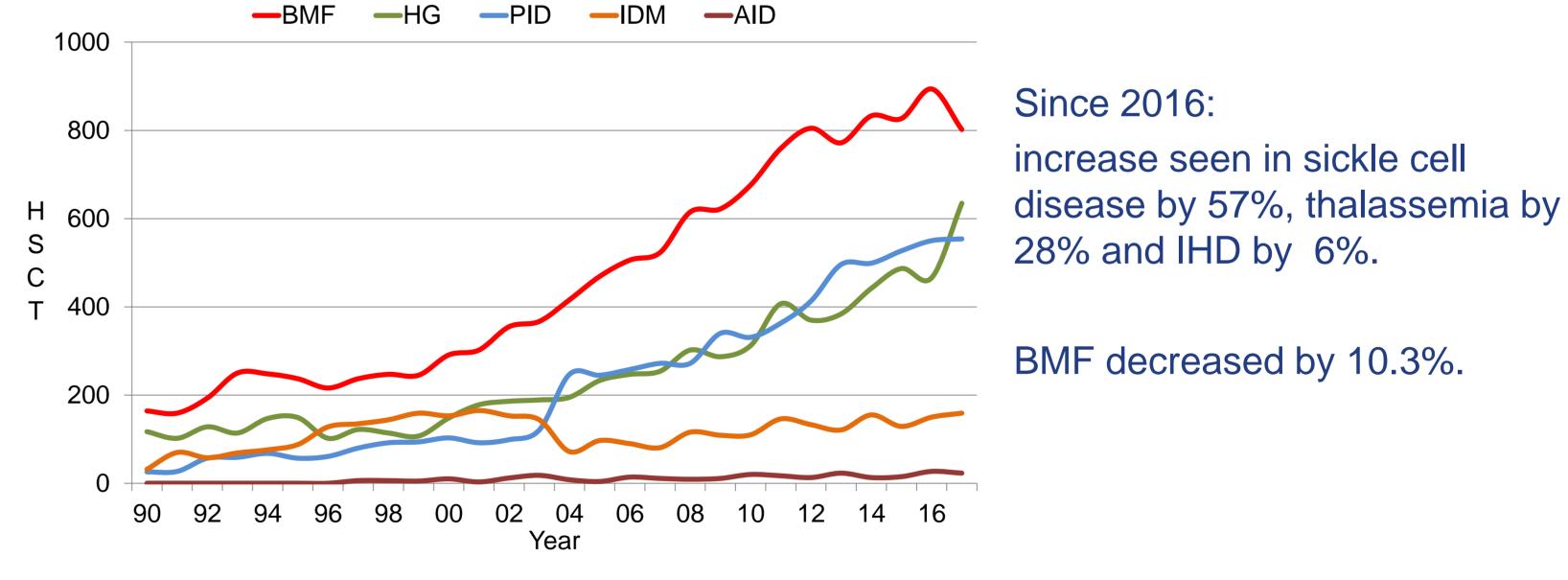


Figure 1:shows the distribution of disease indications for allogeneic (a) and autologous (b) HSCT. For comparative analyses, the 2017 data (100%) are juxtaposed to the analogous data from the years 2007 and 1997.

**Allo HSCT:** has increased 3.6-fold from 4,751 to 17,155 over 20 years. CML has declined from 25.3% to 2%, AML, MDS and MPN have increased. ALL has decreased slightly while other lymphoid malignancies have increased.

**Auto HSCT:** has increased 2-fold from 12,199 to 23,945 over 20 years. Myeloma is the dominant indication increasing from 18% to 53%. HL and NHL have remained stable. AML has decreased from 13% to 1.72%. Solid tumour HSCT has decreased, predominantly in breast cancer.

Figure 2: Allogeneic HSCT for non-malignant disorders in Europe 1990-2017



# Non HSCT Cellular therapies using manipulated or selected cells in 2017

Number of patients	MS	SC	NK cells		NK cells		NK cells		NK cells		NK cells		NK cells		NK cells		T ce	select/exp T cells or CIK		Reg T cells (TREGS)		Genetic mod. T cells		Dendritic cells		inded 34+ ells	Genetic mod. CD34+ cells		Other															
	Allo	Auto	Allo	Auto	Allo	Auto	Allo	Auto	Allo	Auto	Allo	Auto	Allo	Auto	Allo	Auto	Allo	Auto																										
GvHD	413	5			8		36										13																											
Graft enhancement	55	18	1		14		5		57			4	6		1		44	8																										
AID	6	14	19										1					21																										
Genetic disease	1															13																												
Infection	3				113												8																											
Malignancy			6		42		24	8	16	78	5	35	2				32	5																										
Regenerative med.	31	11	1		2								2				4	11																										
Total	509	48	27		179		65	8	73	78	5	39	11		1	13	101	45																										