



























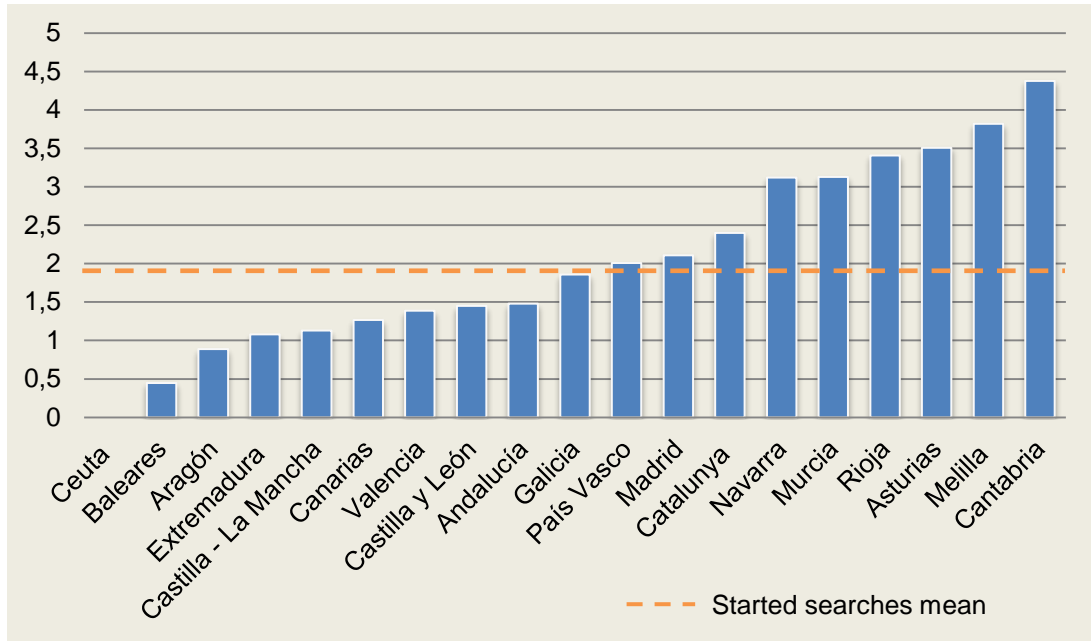




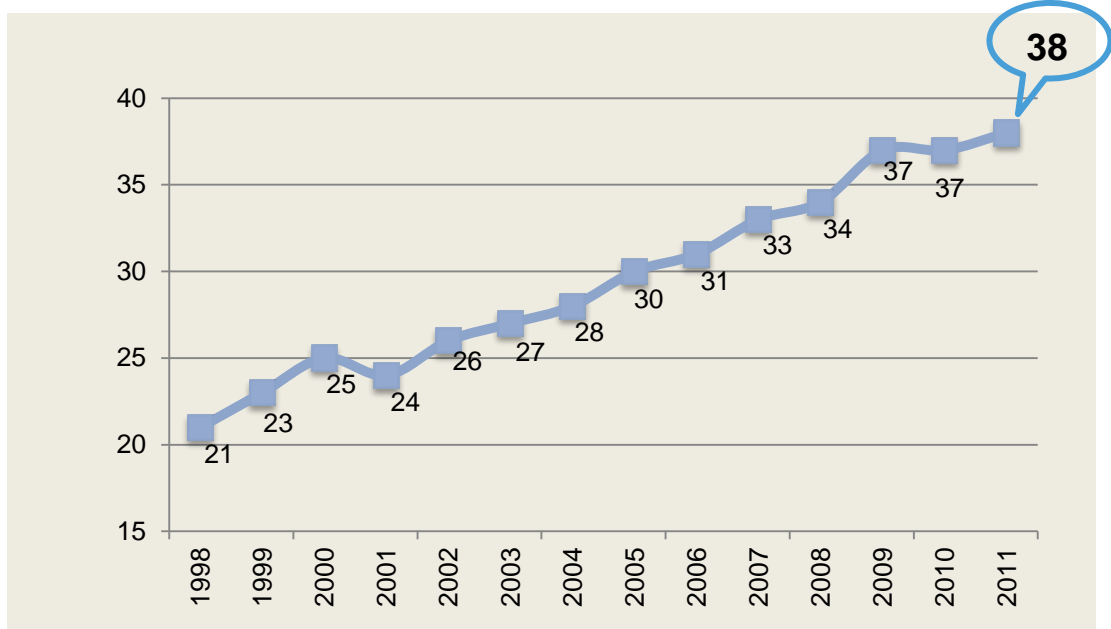


# NATIONAL PATIENTS

## Searches Started by Community of Patient's Residence per 100 000 inhabitants



## Evolution of searches' mean age





## NATIONAL PATIENTS

CBU selections made by REDMO's office in 2011	(▼ 8,5 %) 150
Active searches on January 1 <sup>st</sup> , 2011	(▲ 7 %) 268
Active searches on December 31 <sup>st</sup> , 2011	(▲ 3 %) 277
Searches cancelled throughout 2011	820

### Cancellation Reasons (n = 820)

Unrelated transplantation	(58 %) 476
National Regulations (see details*)	(15 %) 121
Death	(14 %) 115
Clinical Status	(7 %) 57
Related Transplantation	14
Patient's Decision	4
Unrelated DLI Infusion	18
Other (typing changes, other therapy, transfer to other registries)	13
Autologous transplant	2

### \* Details of Searches Cancelled Due to National Regulations

Inactive searches for >1 year (without donor)	2
Inactive searches for >1 year (with donor)	53
Searches that remained active 2 years	7
Searches that remained active 1 year	59





## NATIONAL PATIENTS

Inactive Searches on December 31<sup>st</sup>, 2011

(▲ 24 %) 252

### Reasons for Inactive Searches

Suitable donor found	231
Selected cord blood unit (infusion pending)	14
Other reasons (clinical status, other therapy)	7

### LOCALISED DONORS

Patients for whom one or more donors have been located (BM / PBSC)	517
Donors located in 2011 (BM / PBSC)	937
Time to find the first BM / PBSC donor. Mean (in days) Standard deviation: ± 101,8	83,5
Time to find the first BM / PBSC donor. Median (in days) Extremes: 9 – 957	49

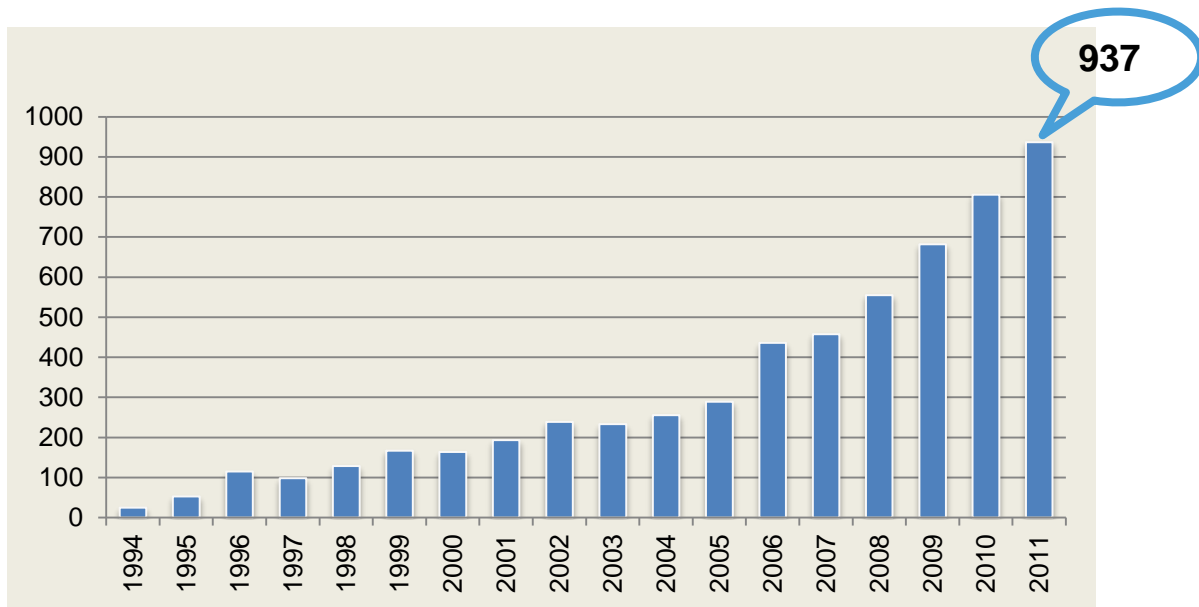
### Search Time for BM / PBSC Donors by Percentage

Less than 3 months	74 %
Between 3 and 6 months	16 %
Between 7 and 9 months	6 %
Between 10 and 12 months	1 %
More than 12 months	3 %

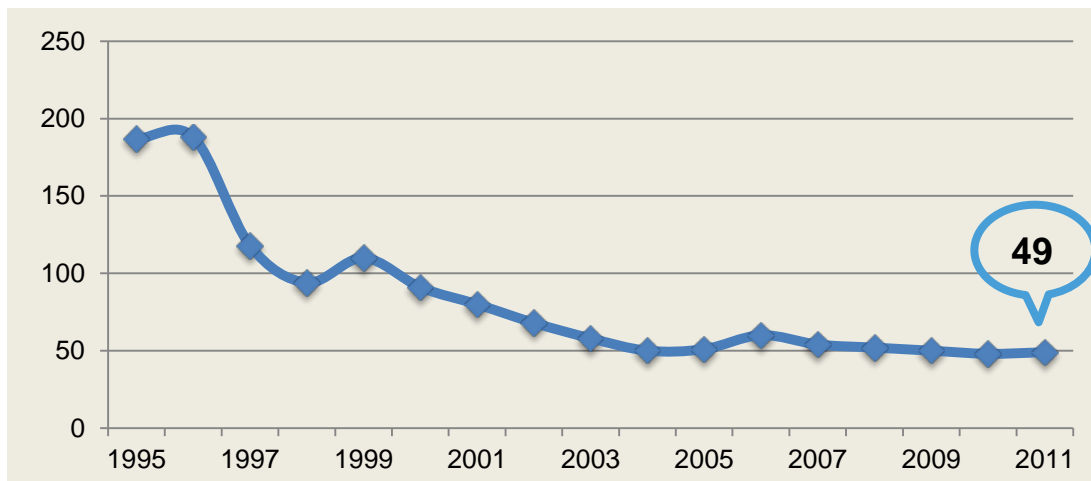


# NATIONAL PATIENTS

## Evolution of Localised Donors



## Median Time to Locate First BM / PBSC Donor





# NATIONAL PATIENTS

## TRANSPLANTS

Haematopoietic transplantations carried out in 2011

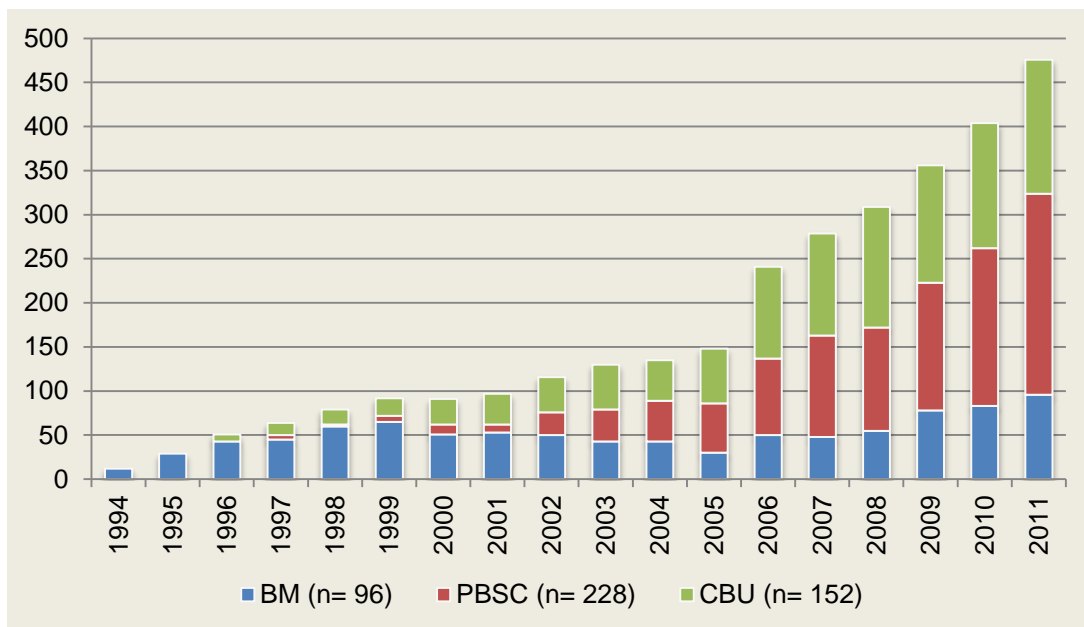
(▲ 18 %) 476

### By Product

Bone marrow	(20 %) 96
Peripheral blood stem cells	(48 %) 228
Cord blood unit ( <i>lymphocyte infusion</i> )	(32 %) 152

(\*4 trasplant performed with double cord)

## TRASPLANTS' EVOLUTION



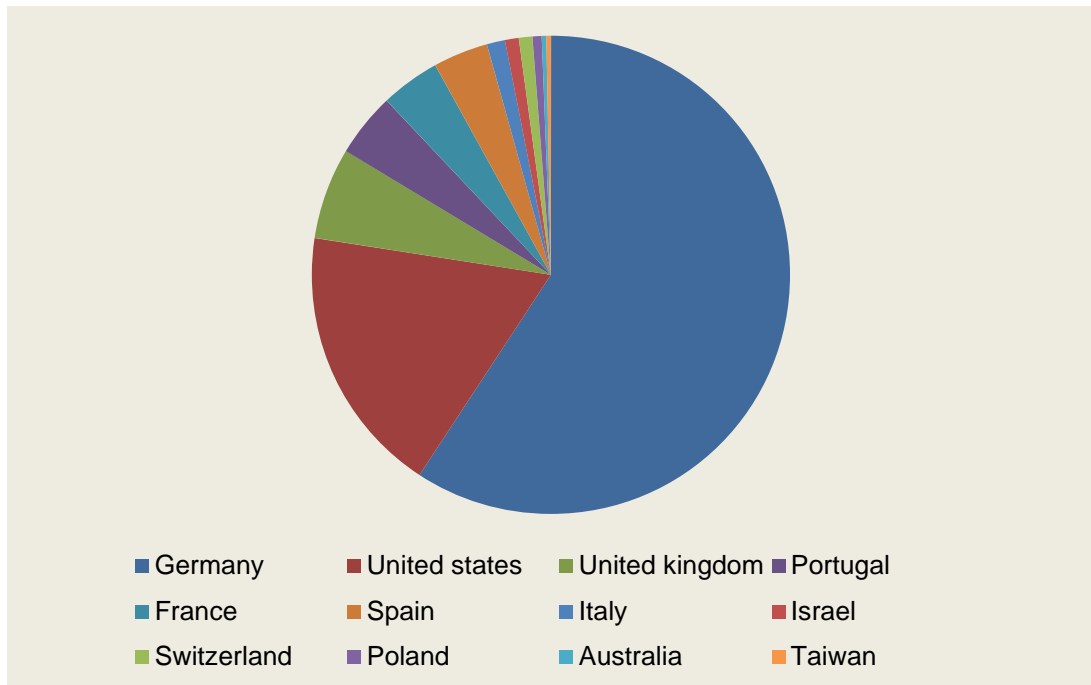
Hospital	Bone marrow		Peripheral blood stem cells		Cord blood unit		Total transplants (extracommunity patients)	Per Autonomous Com. (extracommunity patients)
	<= 15 years	> 15 years	<= 15 years	> 15 years	<= 15 years	> 15 years		
Hospital Clínic Barcelona	0	3	0	16	0	4	23 (4)	
Hospital de Sant Pau	0	0	0	14	2	9	25 (6)	
Hospital Vall d'Hebron	7	3	1	8	12	8	39 (11)	113 (21)
Hospital Germans Trias i Pujol	0	1	0	9	0	7	17 (0)	
Hospital Duran i Reynals	0	0	0	5	0	4	9 (0)	
Hospital La Fe	2	0	3	3	1	33	42 (10)	50 (10)
Hospital Clínico de Valencia	0	0	0	4	0	4	8 (0)	
Hospital La Paz	7	0	0	6	4	0	17 (7)	
Hospital Ramón y Cajal	0	0	0	11	0	2	13 (1)	
Hospital de la Princesa	0	1	0	13	0	0	14 (8)	99 (28)
Hospital Univ. Puerta de Hierro	0	2	0	7	0	13	22 (5)	
Hospital Gregorio Marañón	0	1	0	11	0	8	20 (2)	
Hospital Niño Jesús	0	0	5	1	7	0	13 (5)	
Hospital Reina Sofía	2	0	2	7	2	2	15 (1)	69 (4)
Hospital Carlos Haya	4	3	0	3	3	5	18 (2)	
Hospital Virgen del Rocío	2	4	1	8	4	1	20 (1)	
Hospital Virgen de las Nieves	0	0	0	8	0	1	9 (0)	
Hospital de Jerez	0	1	0	3	0	3	7 (0)	
Complejo Hosp. Univ. de Santiago	1	0	0	8	3	1	13 (0)	
Hospital Xeral-Cies	0	0	2	9	0	1	12 (0)	35 (0)
Complejo Hosp. Univ. de A Coruña	0	0	1	8	0	1	10 (0)	
Hospital Morales Messeguer	0	1	0	8	0	2	11 (1)	13 (1)
Hospital Virgen de la Arrixaca	0	0	1	1	0	0	2 (0)	
Hospital Marqués de Valdecilla	1	30	0	12	0	0	43 (24)	43 (24)
Hospital Clínico de Salamanca	0	1	1	8	1	3	14 (0)	14 (0)
Hospital Central de Asturias	4	14	0	3	1	0	22 (0)	22 (0)
Hospital Donostia	0	0	0	9	0	0	9 (0)	9 (0)
Hospital Son Espases	0	0	0	2	0	0	2 (0)	2 (0)
Hospital de Navarra	0	1	0	6	0	0	7 (0)	7 (0)
<b>Total</b>	<b>30</b>	<b>66</b>	<b>17</b>	<b>211</b>	<b>40</b>	<b>112</b>	<b>476 (88)</b>	<b>476 (88)</b>



# NATIONAL PATIENTS

## Transplants by Country of Origin BM / PBSC(n = 324)

Germany	(59 %) 192
United States	(18 %) 59
United Kingdom	20
Portugal	14
France	13
Spain	12
Italy	4
Israel	3
Switzerland	3
Poland	2
Australia	1
Taiwan	1



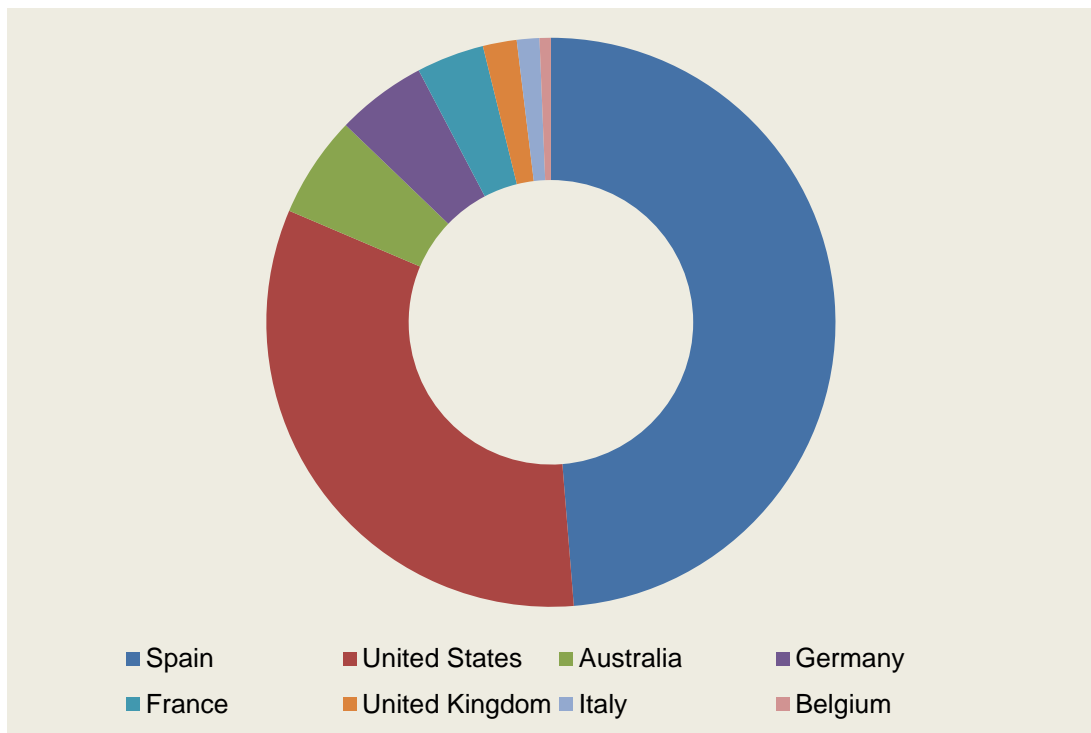


# NATIONAL PATIENTS

Transplants by Country of Origin CBU\* (n = 156)

Spain	(50 %) 76
United States	(33 %) 51
Australia	9
Germany	8
France	6
United Kingdom	3
Italy	2
Belgium	1

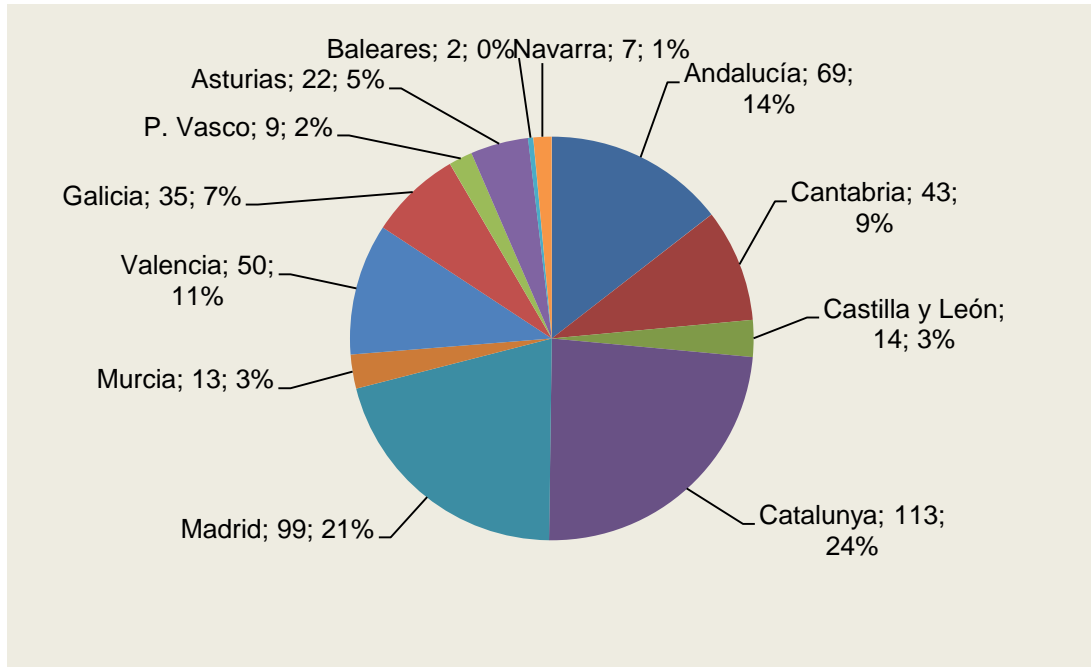
(\* 4 double cord trasplantation)



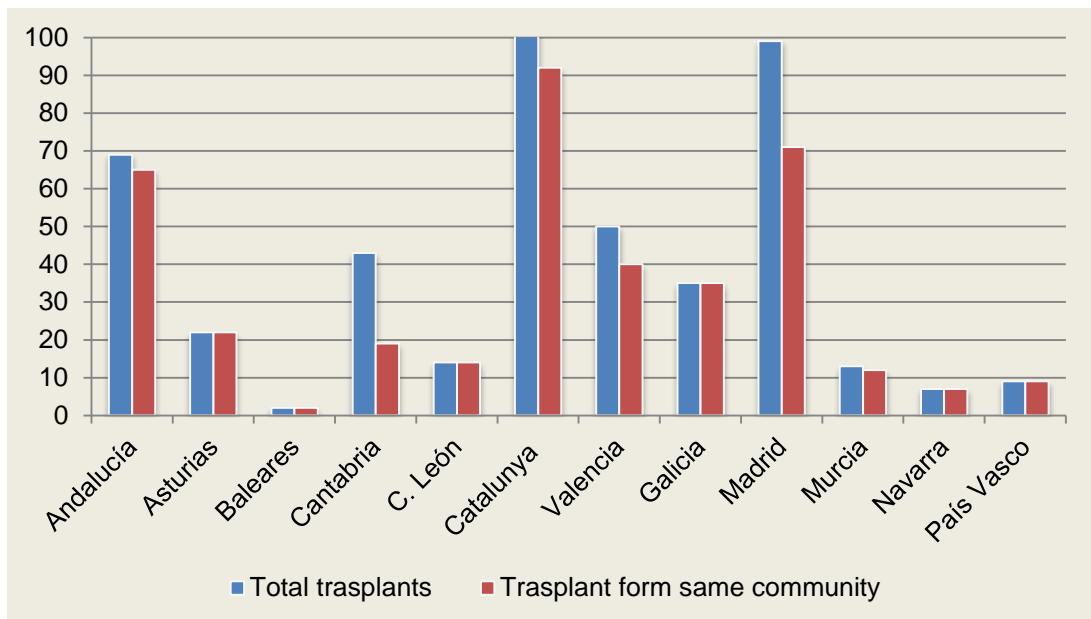


# NATIONAL PATIENTS

## Transplants by Autonomous Community (2011)

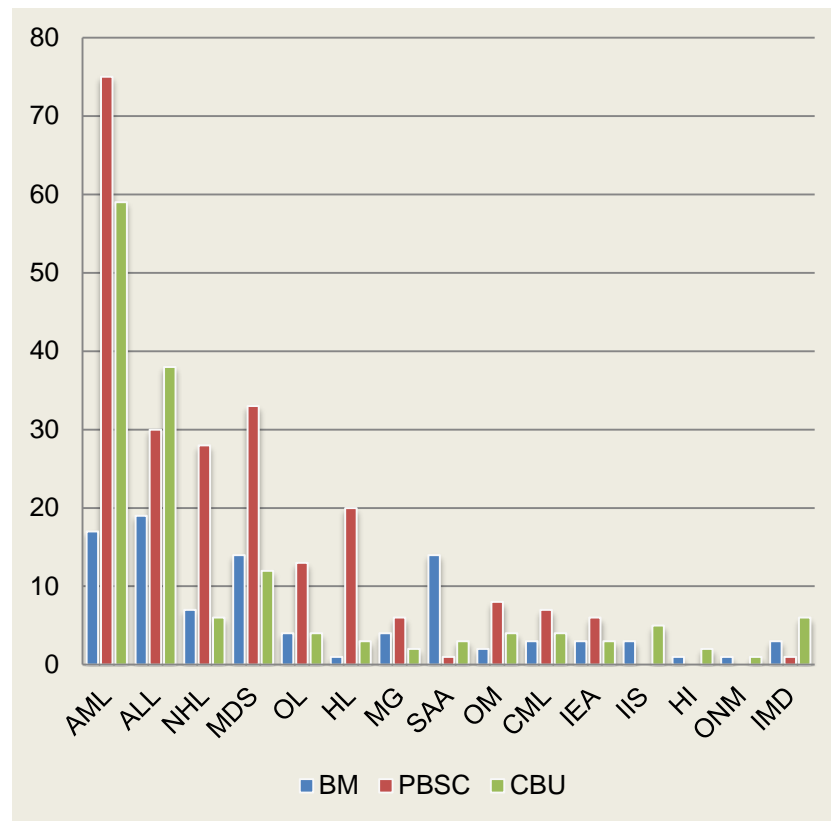


## Activity by Autonomous Community



Transplants per diagnosis (n = 476)

	Donor		CBU
	BM	PBSC	
Acute myeloblastic leukaemia (AML)	17	75	59
Acute lymphoblastic leukaemia (ALL)	19	30	38
Non-Hodgkin's Lymphoma (NHL)	7	28	6
Myelodysplastic disorder (MDS)	14	33	12
Other leukaemias (OL)	4	13	4
Hodgkin's Lymphoma (HL)	1	20	3
Monoclonal gammopathy (MG)	4	6	2
Severe aplastic anaemia (SAA)	14	1	3
Other malignant disease (OM)	2	8	4
Chronic myelogeneous leukaemia (CML)	3	7	4
Inherited erythrocyte abnormality (IEA)	3	6	3
Inherited immune system disorder (IIS)	3	0	5
Histiocytosis (HI)	1	0	2
Other non-malignancies (ONM)	1	0	1
Inherited metabolic disorders (IMD)	3	1	6

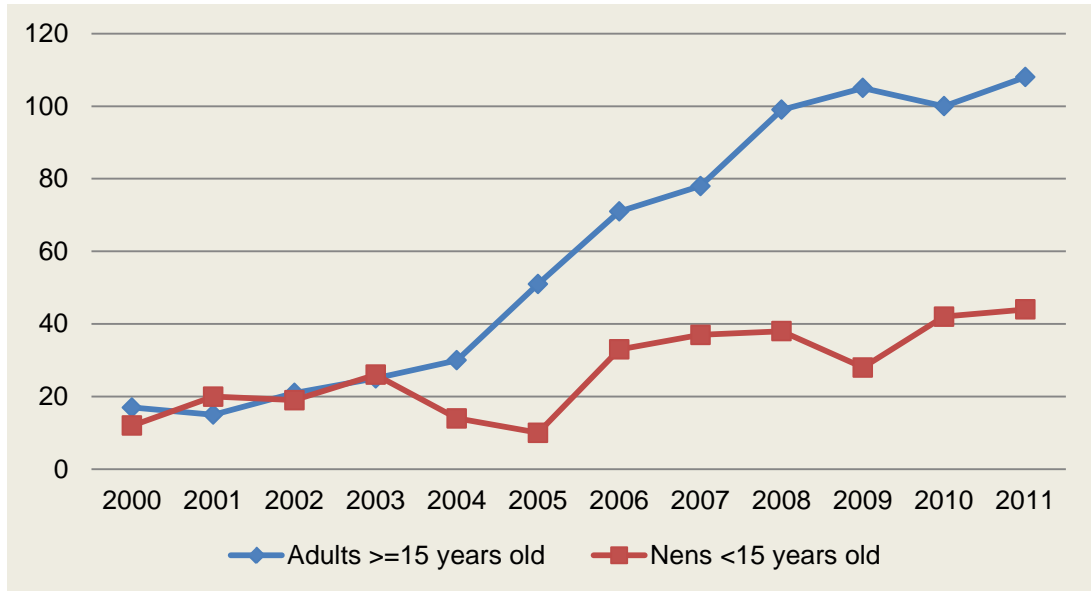




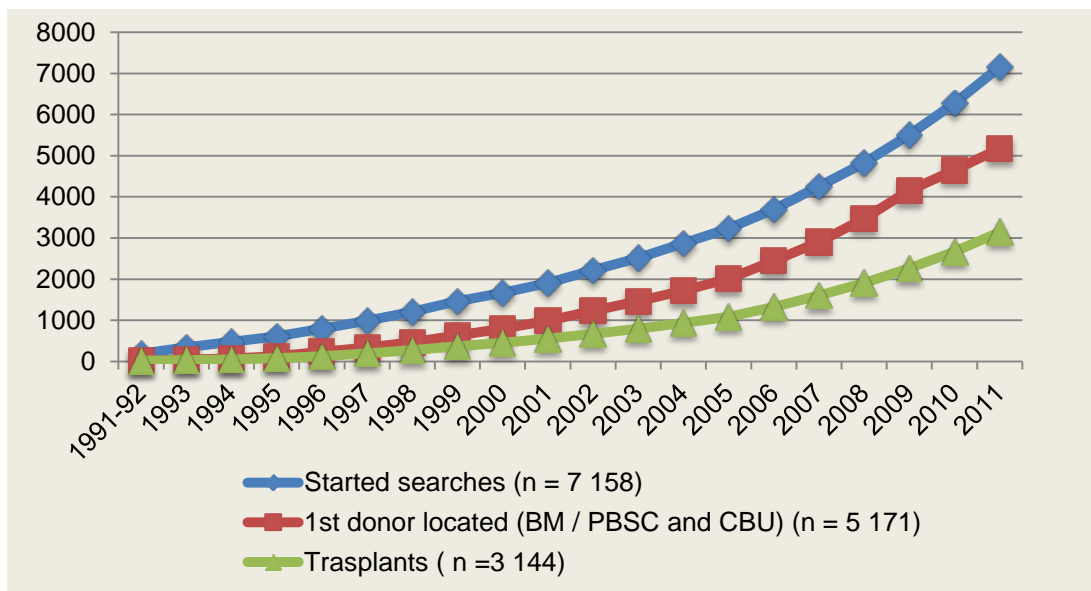


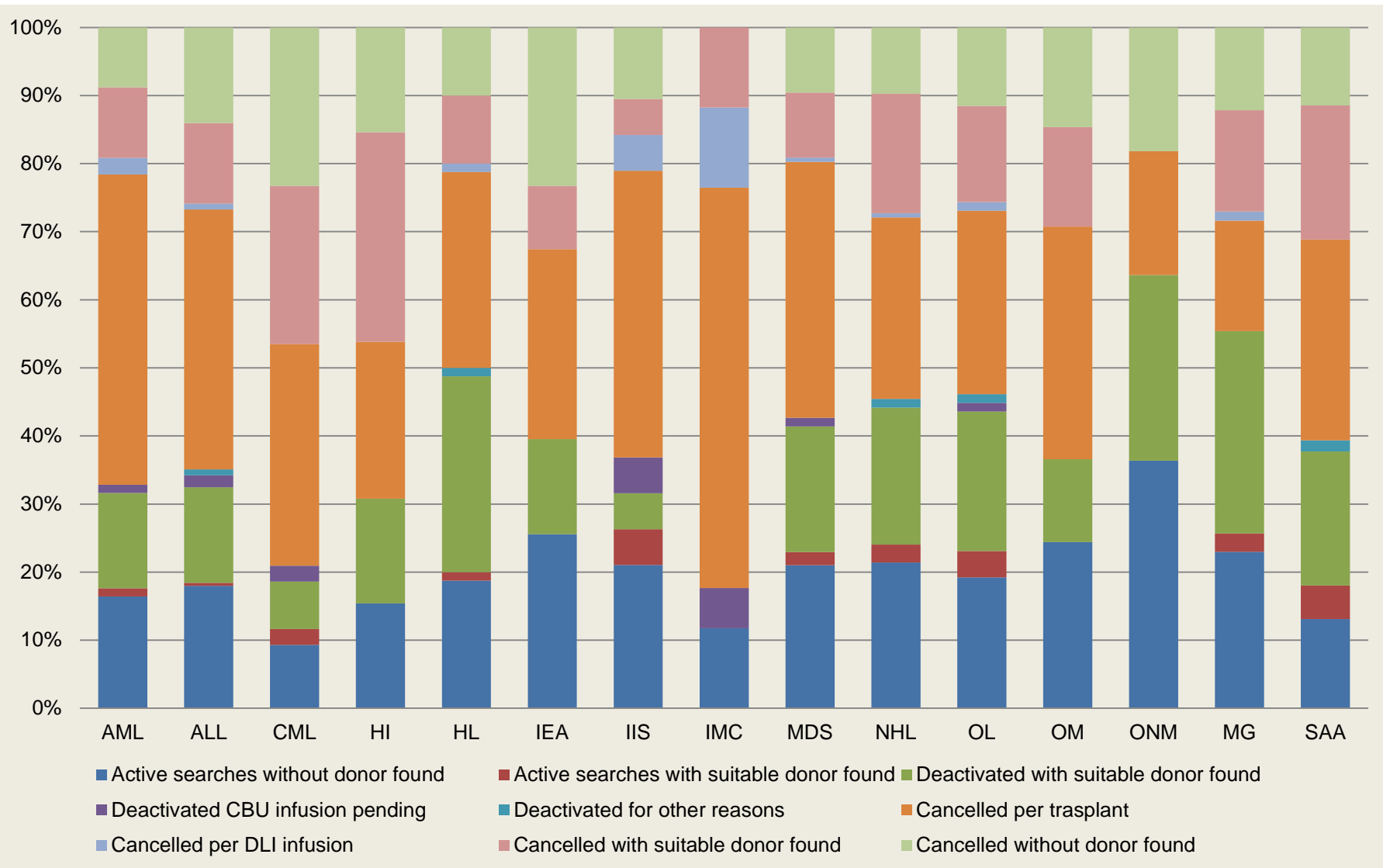
# NATIONAL PATIENTS

## Haematopoietic Activity CBU Spain (children / adults ratio)



## Summary of REDMO's Activity (National Patients)





**Unrelated transplants per population (2010)**

Country	Population	PBSC / BM	PBSC / BM x 10 <sup>6</sup>	CBU	CBU x 10 <sup>6</sup>	Total Transplants	Transplants x 10 <sup>6</sup>
Germany	81.8	2.011	24.6	34	0.4	2.045	25.0
Israel	7.8	142	18.2	40	5.1	182	23.0
Austria	8.4	107	12.7	20	2.4	177	21.1
Netherlands	16.7	271	16.2	63	3.8	334	20.0
Sweden	9.5	161	16.9	7	0.7	188	19.8
Japan	127.7	1.207	9.5	1.056	8.3	2.263	17.7
France	63.4	737	11.6	355	5.6	1.092	17.2
Belgium	10.8	150	13.9	19	1.7	169	15.6
Czech Rep.	10.5	159	15.1	1	0.1	160	15.2
United States	313	3 325	10.6	1.374	4.4	4.699	15.0
United Kingdom	62.3	736	11.8	117	1.9	853	13.7
Switzerland	7.9	78	9.9	20	2.5	98	12.4
Italy	60.7	634	10.4	130	2.1	764	12.6
Australia	22.6	184	8.1	70	3.1	254	11.2
Korea	48.6	433	8.9	73	1.5	506	10.4
<b>Spain 2011</b>	<b>46.2</b>	<b>324</b>	<b>7</b>	<b>152</b>	<b>3.3</b>	<b>476</b>	<b>10.3</b>
Canada	33.5	266	7.9	54	1.6	320	9.5
<b>Spain 2010</b>	<b>47.3</b>	<b>262</b>	<b>5.5</b>	<b>142</b>	<b>3.0</b>	<b>404</b>	<b>8.5</b>
Poland	38.1	231	6.1	4	0.1	235	6.2
Brazil	192.4	113	0.6	61	0.3	174	0.9
China	1 339.7	618	0.5	54	0.0	672	0.5

\* = BM transplant activity: WMDA report 2010 / World population: Wikipedia



# FOREIGN PATIENTS

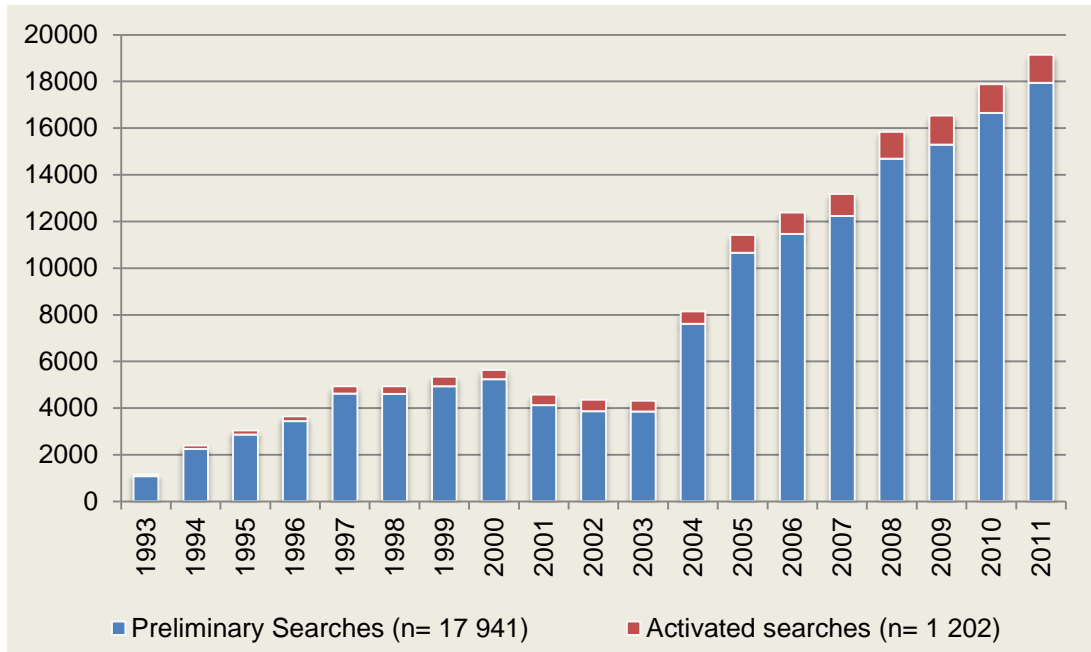
Preliminary Searches

(▲ 8 %) 17 941

Activated Searches

(▼ 2 %) 1 202

## Evolution of Searches for Foreign Patients



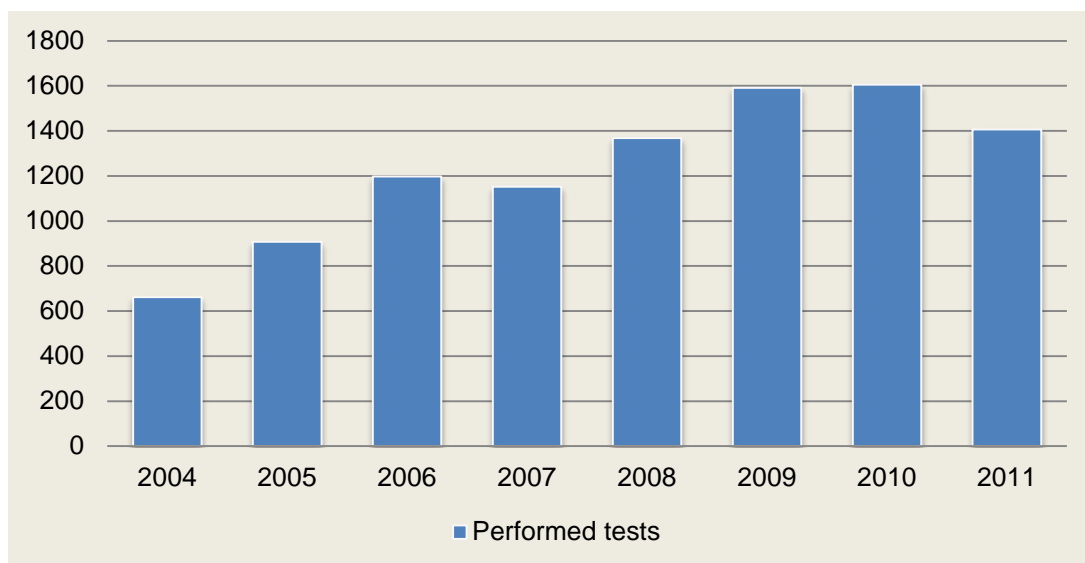


## FOREIGN PATIENTS

Requested Tests 1 748

Performed Tests (80,43 %) 1 406

### Evolution of Performed Tests



Haematopoietic stem cell transplants performed in 2011 (▼ 15 %) 253

### By Product

Bone marrow 2

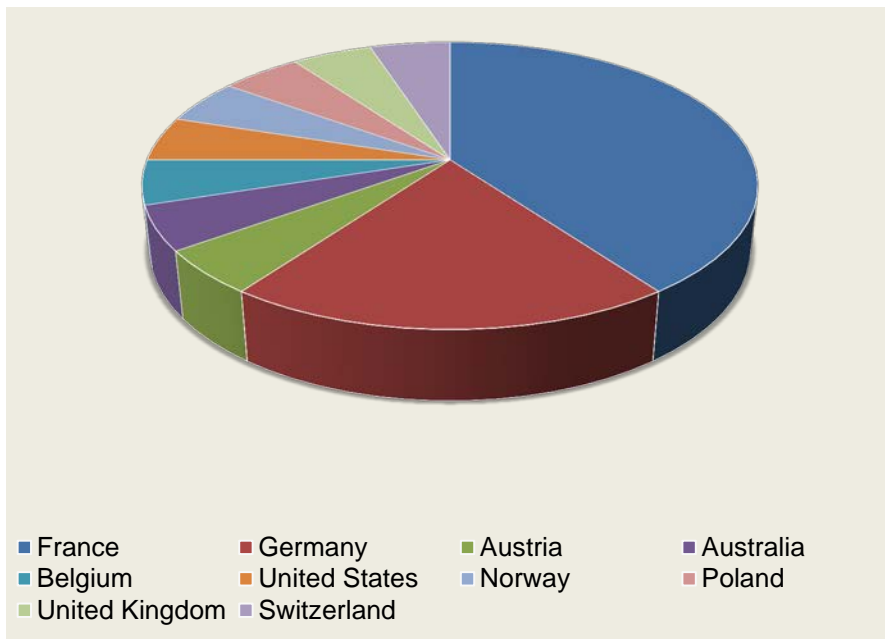
Peripheral blood stem cells 18

Umbilical cord blood 233\*

(*lymphocyte infusion*) (2)

\* This corresponds to UCB units shipped. There is no confirmation of infusion in all cases.

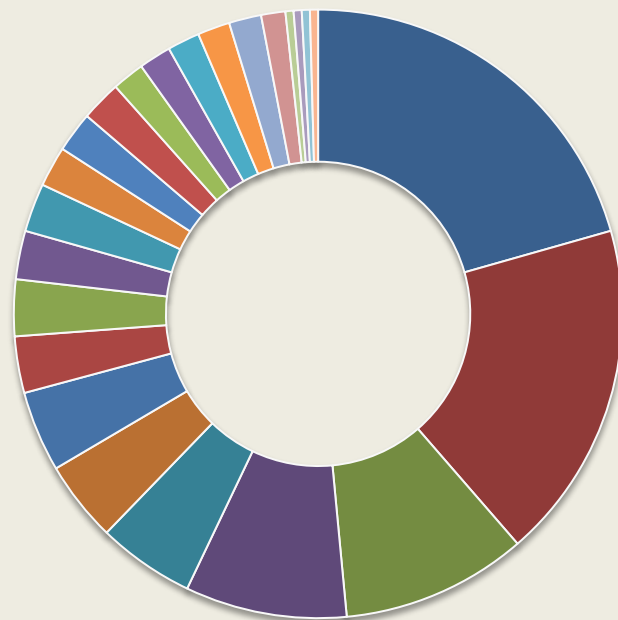
**Transplants by country of destination  
BM / PBSC (n=20)**



Transplants by country of destination BM / PBSC (n = 20)	
France	8
Germany	4
Austria	1
Australia	1
Belgium	1
United States	1
Norway	1
Poland	1
United Kingdom	1
Switzerland	1

**SCU shipments by country of destination (n=233)**

France	48
United States	42
United Kingdom	23
Netherlands	20
Israel	12
Colombia	10
Italy	10
Germany	7
Canada	7
Austria	6
Hungary	6
Belgium	5
Chile	5
Greece	5
Argentina	4
Australia	4
Denmark	4
Mexico	4
Turkey	4
New Zealand	3
Croatia	1
Czech Rep.	1
Portugal	1
Uruguay	1



- France
- United States
- United Kingdom
- Netherlands
- Israel
- Colombia
- Italy
- Germany
- Canada
- Austria
- Hungary
- Belgium
- Chile
- Greece
- Argentina
- Australia
- Denmark
- Mexico
- Turkey
- New Zealand
- Croatia
- Czech Rep.
- Portugal
- Uruguay



**Jose Carreras Leukaemia Foundation  
REDMO Bone Marrow Donor Registry**

Muntaner, 383, 2<sup>nd</sup> Floor  
08021 Barcelona - Spain  
Phone: +34 93 414 55 66  
Fax: +34 93 414 00 28  
[www.fcarreras.org](http://www.fcarreras.org)