



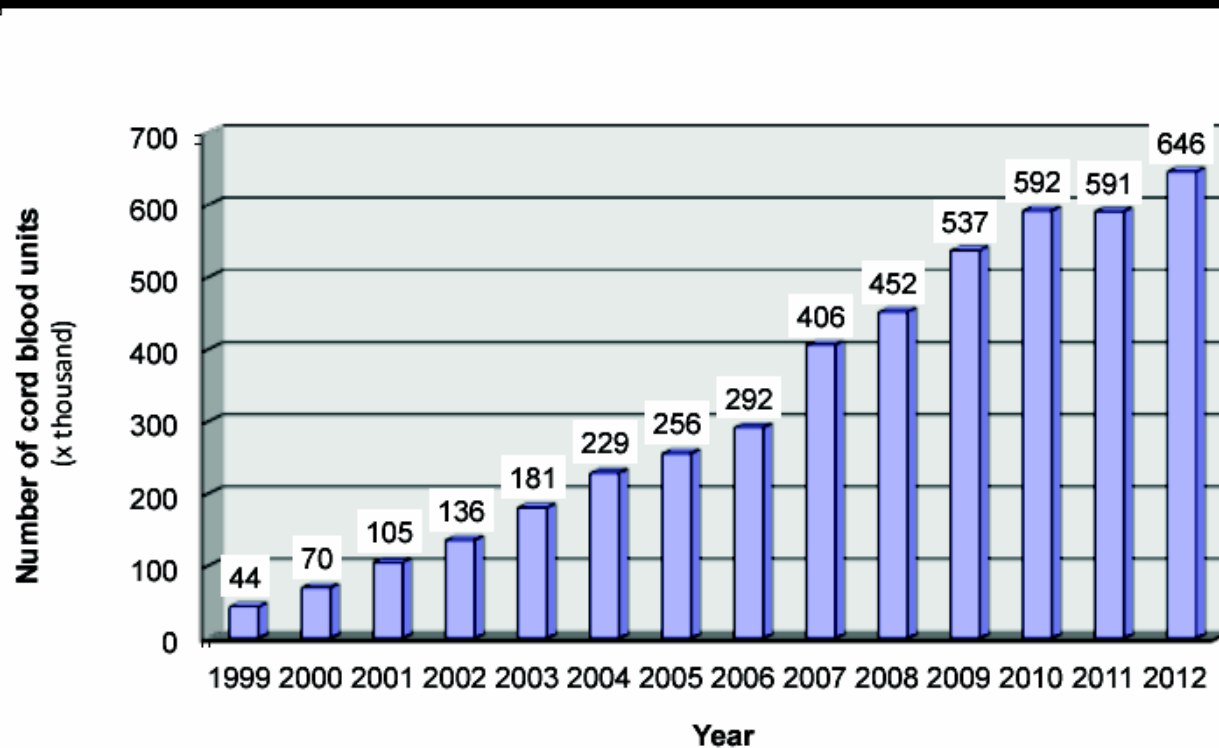
Cord Blood Banking in 2013

Sergio Querol, Barcelona CBB

Merry Duffy, NMDP

Lydia Foeken, WMDA Office

Total number of HPC, Cord available for unrelated transplantation



Number of HPC, Cord listed in the WHO Regions on 01/01/2013



646,772 HPC, Cord worldwide

Growth of the cord blood banks/registries

▪ Cord blood units newly added in 2012 : 70,036
Cord blood units deleted in 2012 : 12,680

Median growth of Cord Blood Banks
in 2012: : 330 units



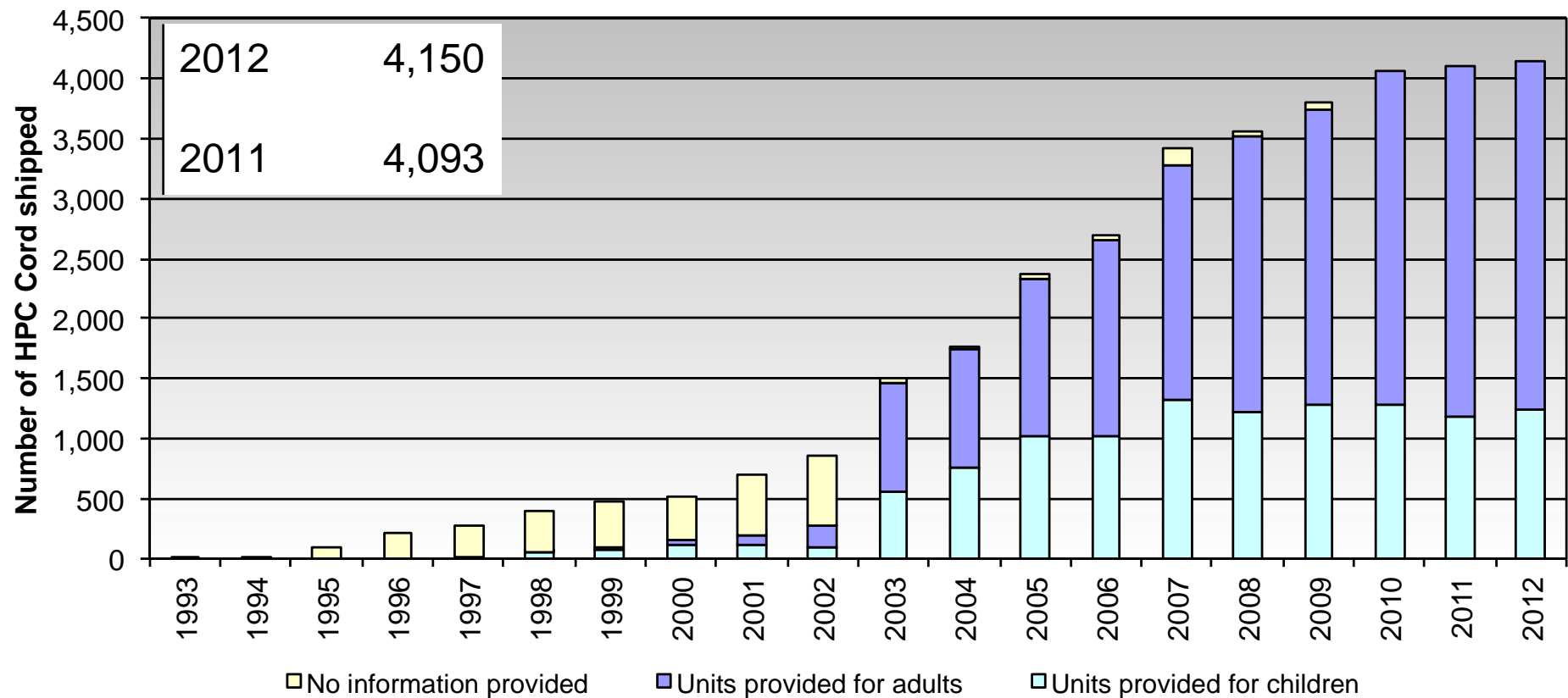
E-mail from Prof. Dr. G. Koegler:

By the way: *“have you seen a drop of allogeneic CB provided worldwide comparing the years 2011 and 2012...it is our impression in NETCORD.”*



Growth reported by Korea, China and Japan

Number of cord blood units provided for unrelated transplantation

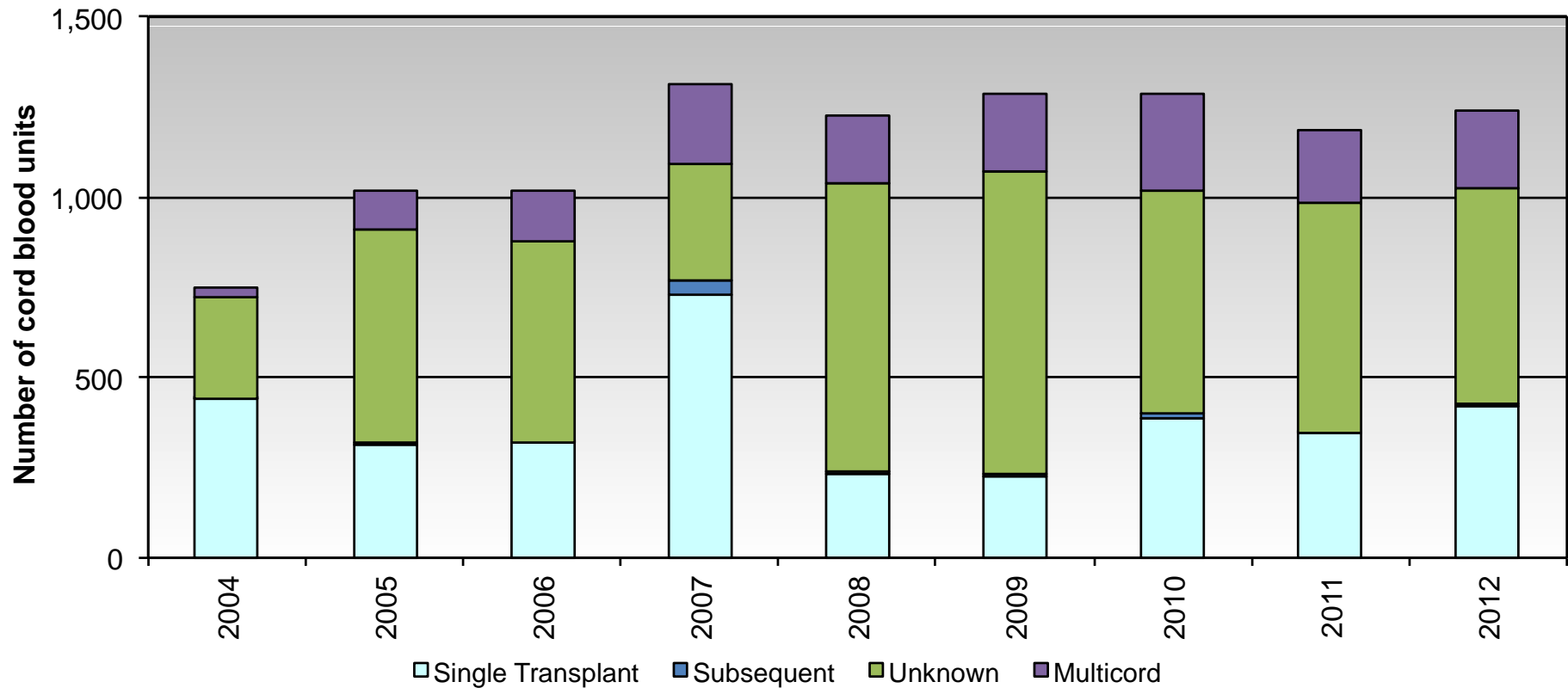


158 cord blood banks worldwide



In 2012 1,240 HPC, Cord products provided for children

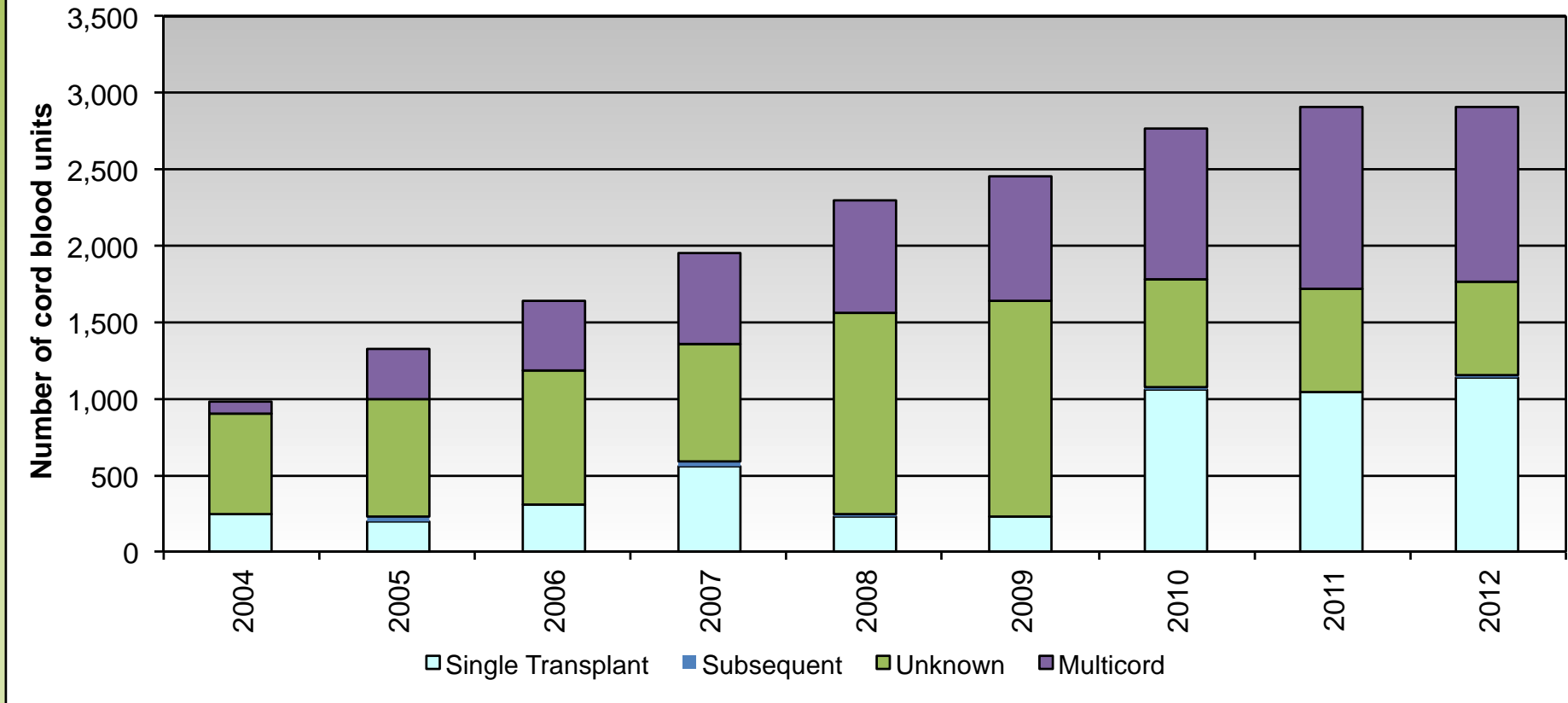
Specification of the CBUs provided for children





In 2012 2,910 HPC, Cord Products provided for adults.

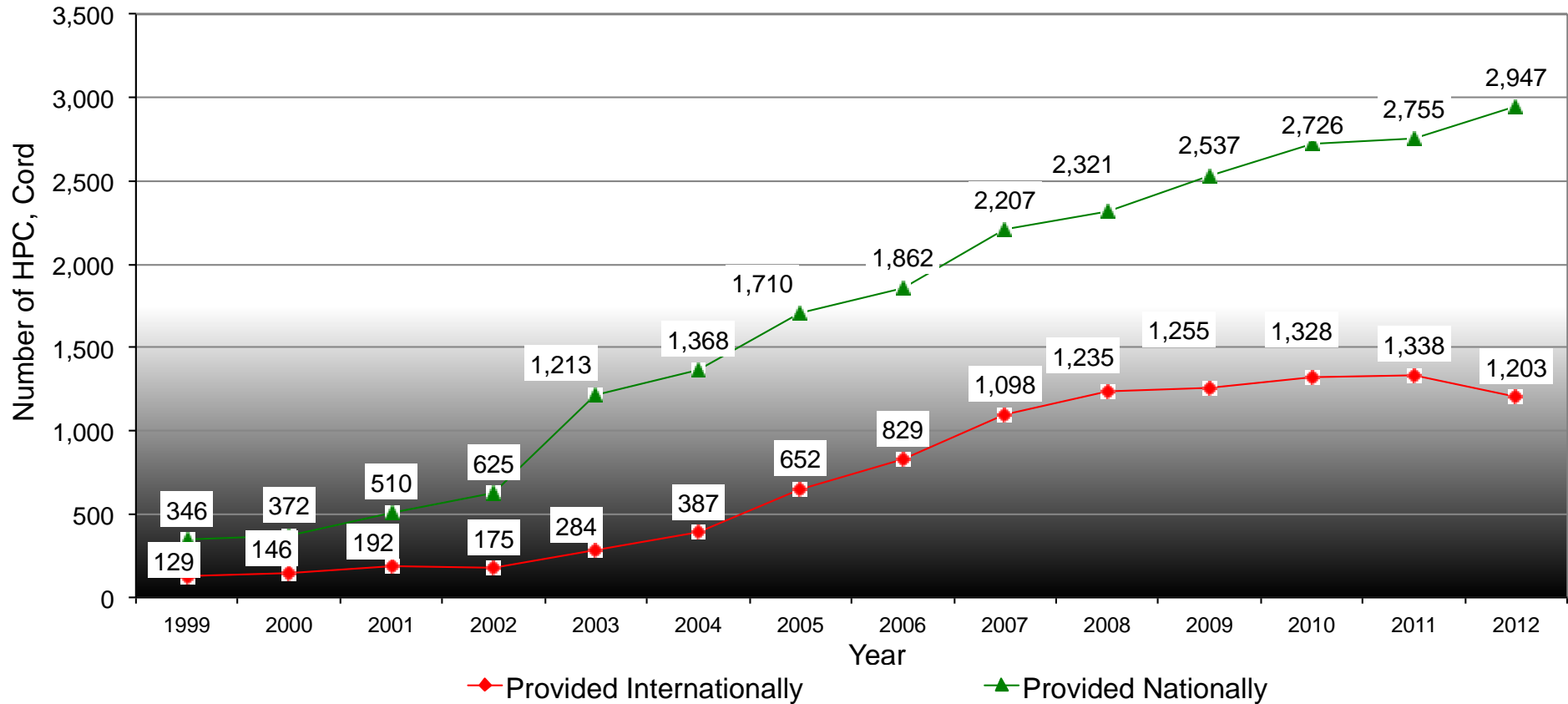
Specification of the CBUs provided for adult patients





In 2012 71% of the HPC, Cord Products provided were used nationally

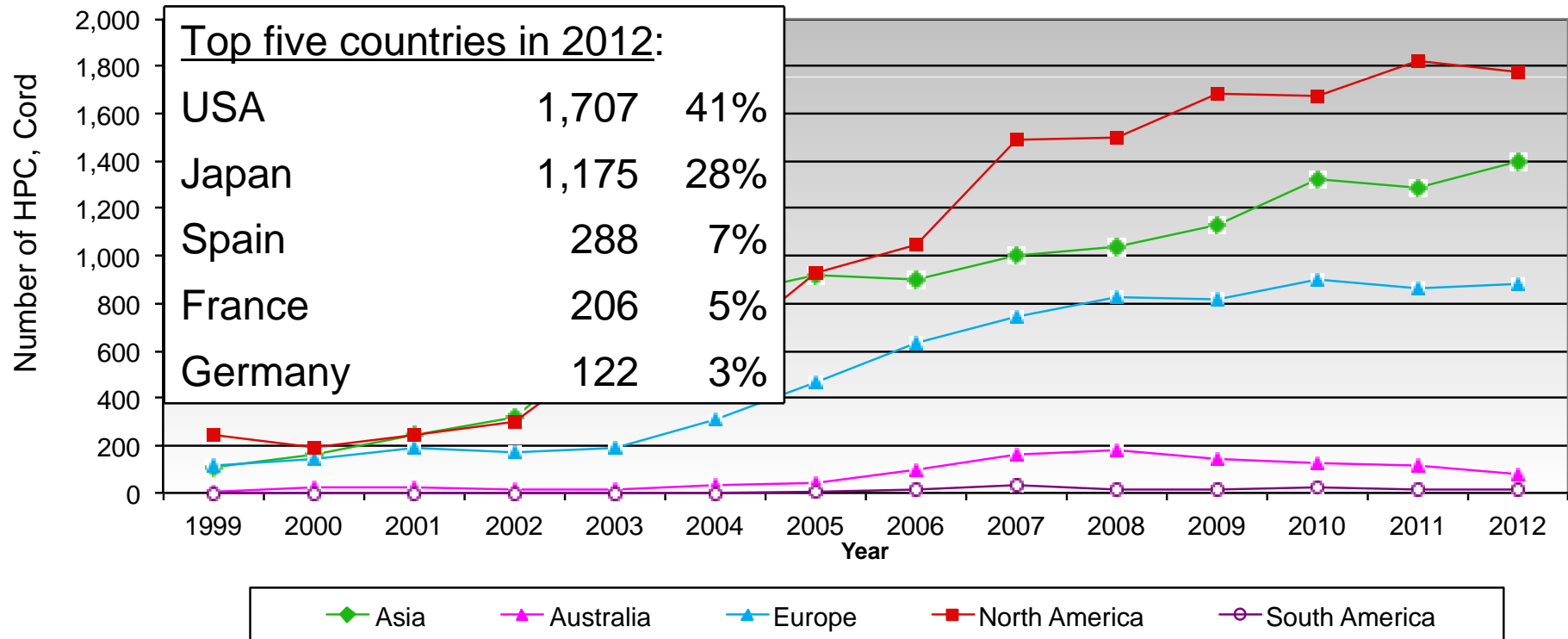
Number of HPC, Cord provided for national and international patients





Global shipments HPC, Cord

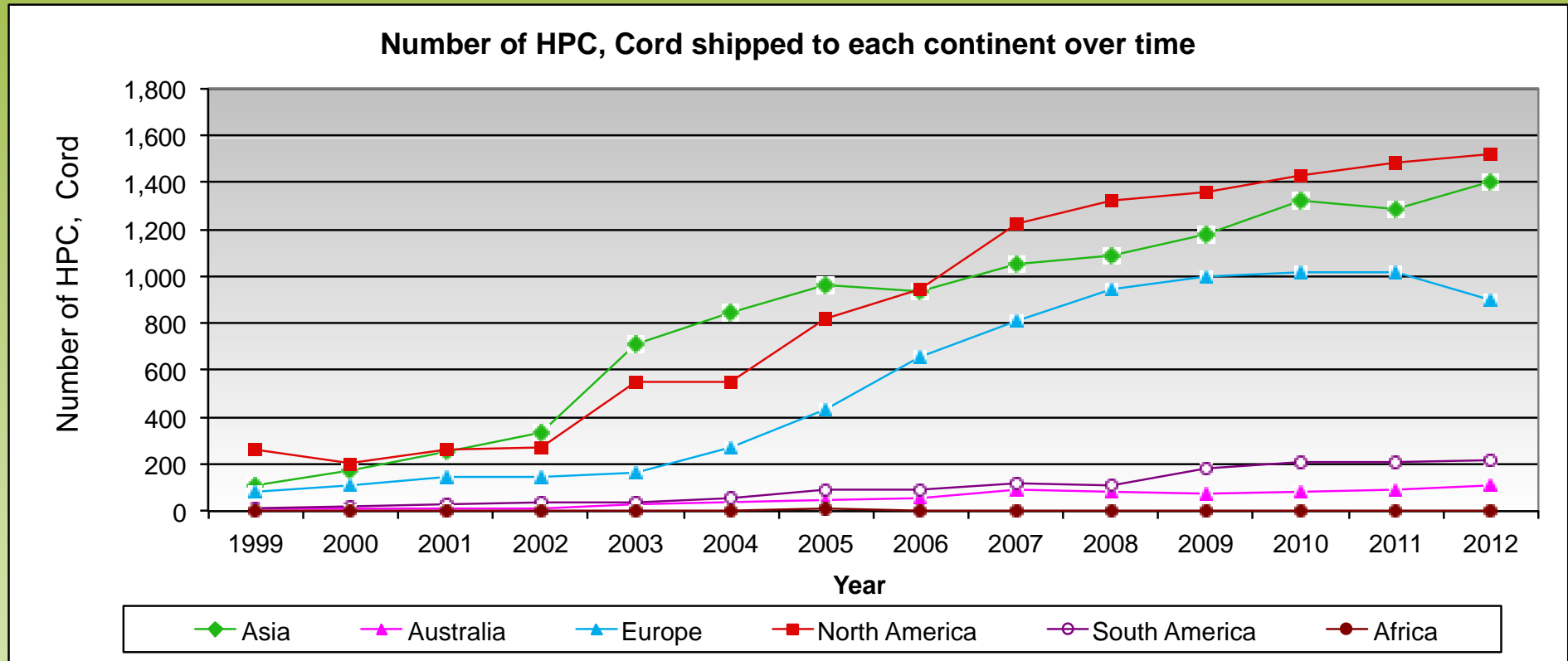
Number of HPC, Cord provided for unrelated patients by each continent over time



645,647 cord blood units listed in 158 cord blood banks



WMDA will respond: “No dropdown on a global level”



But: if you only look at Australia, North America and Europe you see a drop down from 2,947 units in 2011 to 2,701 in 2012.

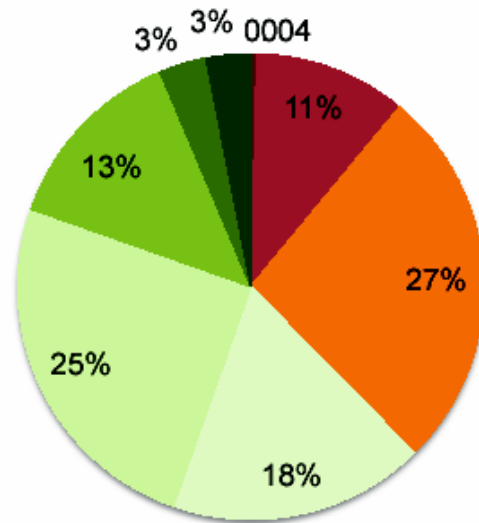


The average TNC of Cord Blood Units provided in 2012

Cord Blood Product used for	Average TNC (x10E7)
Child: single or unknown	154.61
Child: double	148.35
Adult: single or unknown	211.57
Adult: double	197.07

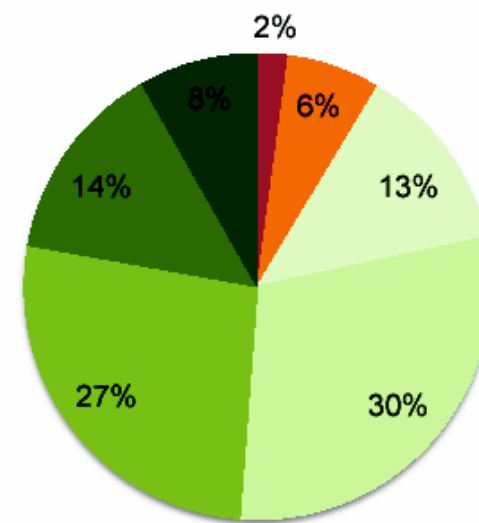
Total Nucleated Cell Count of HPC, Cord shipped in 2012

CHILDREN PATIENTS
(N= 1,036)



■ <50
 ■ 50-89
 ■ 90-124
 ■ 125-149
■ 150-199
 ■ 200-249
 ■ 250-300
 ■ >300

ADULT PATIENTS
(N=1,910)



■ <50
 ■ 50-89
 ■ 90-124
 ■ 125-149
■ 150-199
 ■ 200-249
 ■ 250-300
 ■ >300



Criteria to bank a cord blood unit

TNC (x10E9)	Number of CBBs
<50	9
50-89	38
90-99	15
100	23
101-119	3
120	27
>120	8
Unknown/no criteria	14

Thirty-five of the 158 CBBs bank units $>120 \times 10^7$



Current status of CBUs listed in BMDW (January 1, 2013)

Aspect	Number CBUs	Percentage (%)
TNC >120x 10E9	176,023	31.30
HLA-C available	111,185	19.76
HLA-A,-B (2digit); -DRB1 (4digit)	74,688	49.66
Maternal HLA available	11,007	2%



Is your cord blood bank sustainable?

Number of CBBs	Response
No	56
Did not respond	50
Partly	9
Do not know	6
Yes	11 (no income from autologous)
Yes	5 (income from autologous)



Conclusions:

- The number of HPC, Cord provided by Australia, Europe and North- America is decreasing, while the number of HPC, Cord provided by Asia has increased compared with 2011;
- A cord blood bank with as well large cord blood units as “fully” typed cord blood units (including HLA-C) ship more cord blood units;
- Only eleven public CBBs answered that cord blood banking is sustainable.



Acknowledgements

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PARTICIPATING ORGANISATIONS

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PARTICIPATING CORD BLOOD BANKS

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PROJECT SPONSOR:

