

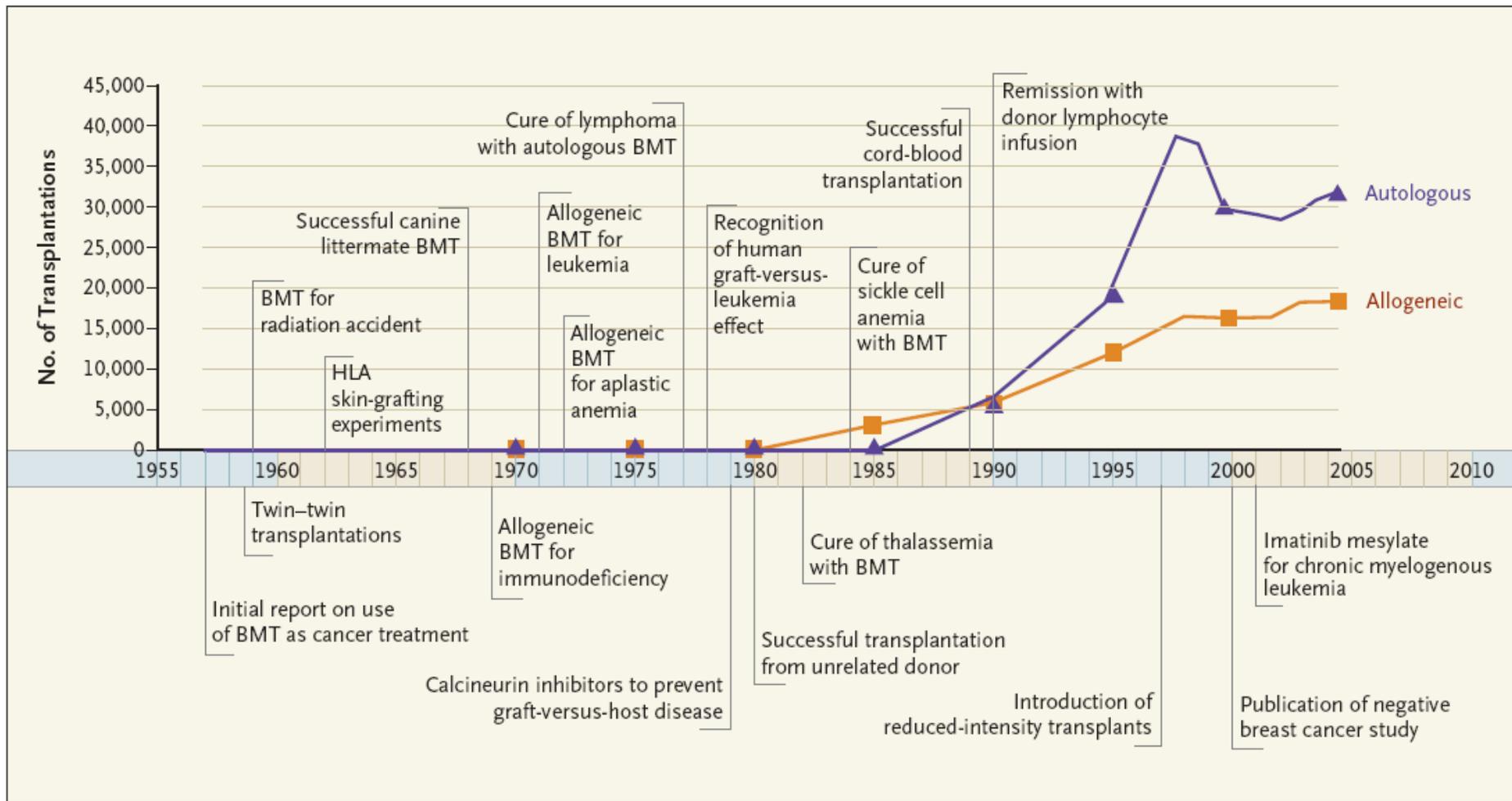


**Global perspectives of HCT
including networking and
macroeconomics of HCT:**
Dietger Niederwieser

Worldwide Network for Blood and Marrow Transplantation



History of stem cell transplantation



Appelbaum et al. NEJM, 2007

World Wide Network for Blood and Marrow Transplantation



The importance of Networking

Problems:	Complicated and Expensive Procedure Shortage of donors
Aim:	Safety Improve our skills and knowledge in stem cell transplantation
How:	Networking with other Centers Global unrelated donor registry Twinning Set up meaningful legislation Registering activities and performing studies Prospective studies Setting standards Organize nurses group Organize patient and family meetings



Networking – WBMT Federation



World Wide Network for Blood and Marrow Transplantation



WBMT Meetings

1st: 2007, Mar Lyon

2nd: 2007, Oct Minneapolis

3rd: 2008, Mar Firenze

Sep. - Geneva (WHO)

4th: 2008, Oct Minneapolis

Feb. - Tampa (Leaders' Meeting)

5th: 2009, Mar Goteborg

6th: 2009, April Nagoya

Oct. - New York (UN)

7th: 2009, Nov Minneapolis

8th: 2010, Mar Vienna

Nov.- Phuket APBMT

9th: 2011, Feb Honolulu

World Wide Network for Blood and Marrow Transplantation



Society and Registry

APBMT - Asian Pacific
CIBMTR – US/Nordamerica/
EBMT - European
WMDA – World Marrow Donor
EMBMT – East Mediterranean
LABMT – Latin American (2011)
Africa (2012)?



EBMT Society/Foundation

Established in 1974 and
registered in Maastricht

European Group for Blood and Marrow Transplantation



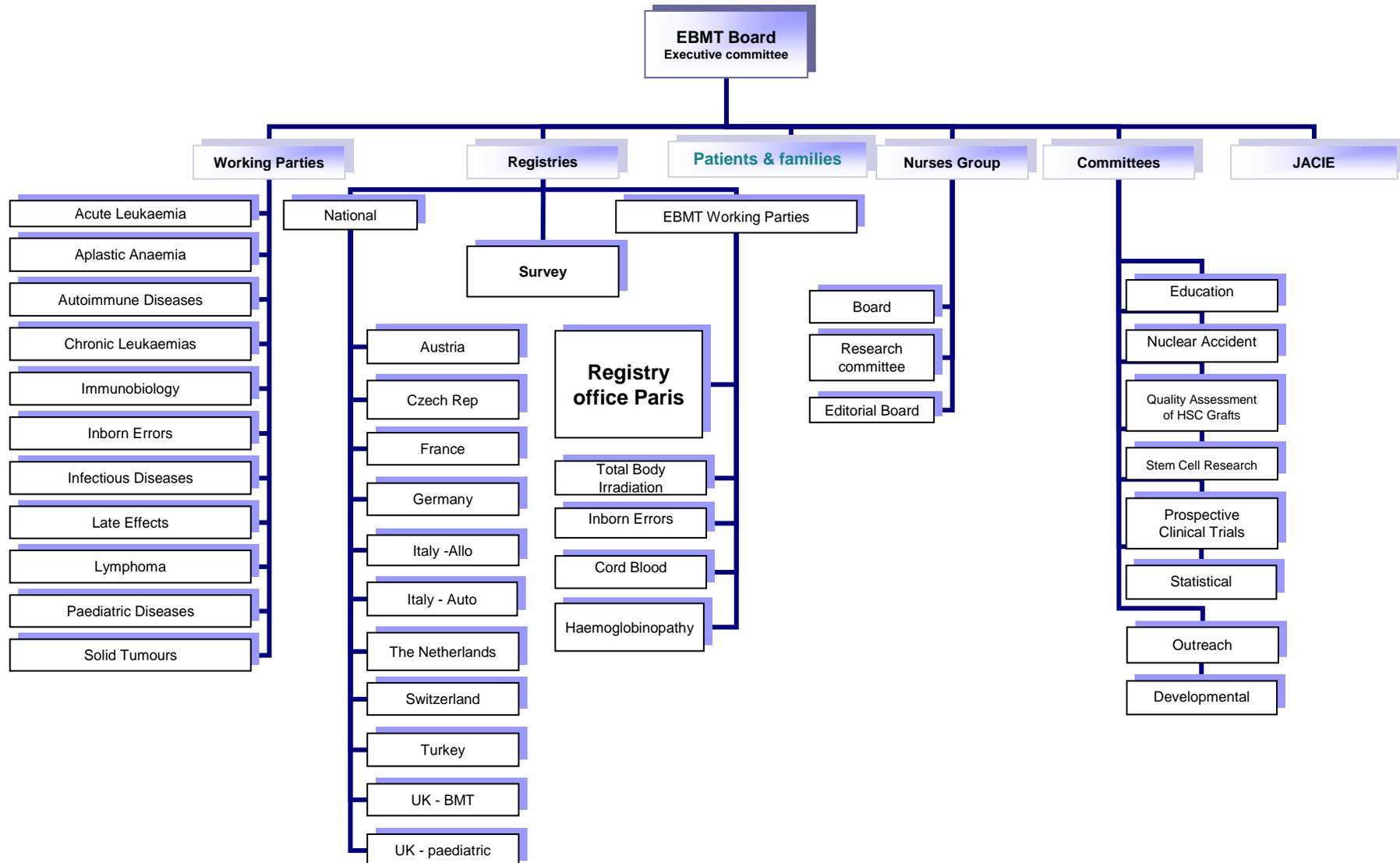
Non-profit organisation that promotes excellence in hematopoietic cell transplantation including **basic and clinical research**, **education**, **standardisation**, **quality control** and **accreditation of transplant procedures**



*502 member
teams in 59
countries with
>30 languages
3282 members*



EBMT Structure



Scientific contribution

- **Publications:** Over 650 peer-reviewed articles published
- **Studies:** Over **100** retrospective studies and **>10** randomized prospective clinical trials are currently open.



Mission of WBMT

Promote excellence in stem cell transplantation including cellular therapy

World Wide Network for Blood and Marrow Transplantation



WHO: Collaboration Plan

- # Nomenclature stem cell transplantation (SCT)**
- # SCT in constrained resource environment**
- # Ethical issues in donation and SCT**
- # Advice on Vigilance and Surveillance of AE and SAE at global level**



WHO

Third Global Consultation on Regulatory Requirements for Human Cells and Tissues for Transplantation.





Standing Committees

-  AHCTA / Accreditation
-  Donor Issues
-  Transplant Center and Recipient Issues
-  Education and Dissemination
-  Graft Processing



Deliverables

 EM(E)A meeting Antwerpen (10/10)

Interaction with Agency

 Bologna meeting (2/11)

Exploring Vigilance notification for organs, tissues and cells

 Bruxelles meeting DG Sanco (2/11)

Consultation on labeling

 Vietnam meeting (11/11):

Encourage integration of HSCT within the Healthcare Policies of developing countries



Deliverables

 Survey 2006

JAMA[®]

Online article and related content
current as of May 7, 2010.

Hematopoietic Stem Cell Transplantation: A Global Perspective

Alois Gratwohl; Helen Baldomero; Mahmoud Aljurf; et al.

JAMA. 2010;303(16):1617-1624 (doi:10.1001/jama.2010.491)

 Survey 2007 – 2008

 Facilitate global studies

 Platform for national authorities / regulators

 Global Transplant Center Number (GTCN)

World Wide Network for Blood and Marrow Transplantation



Global transplant centre number

GTCN XXXXX-XXXXX-XXXXXX

Examples:

Exclusive EBMT member GTCN 00383-00000-000000

EBMT and cIBMTR member GTCN 00292-00345-000000

EBMT, cIBMTR and APBMT member GTCN 00195-03456-000120

for non EBMT, cIBMTR and APBMT members and not willing to become a member

GTCN 99678-99678-999678.

World Wide Network for Blood and Marrow Transplantation



How to implement WHO guiding principles in HSCT

Dietger Niederwieser

On behalf of the WBMT activity survey office

WBMT meeting, Vietnam

Worldwide Network for Blood and Marrow Transplantation



Goal of the Presentation

- WHO guiding principles on organ, cell and tissue transplantation
 - National regulation
 - Data collection and data analysis as integral part of therapy
 - Donor and patient safety
- Basis for decision making
 - Information on activity
 - Factors associated with use



Patients and Methods

WHO Regions	4*
Countries	72
Teams	1411
Patients	146 808 66 226 allogeneic 80 582 autologous
Year of Transplant Trends	2006 - 2008
Macroeconomic factors	GNI/cap WHO region Donor registry present Number of registered donors

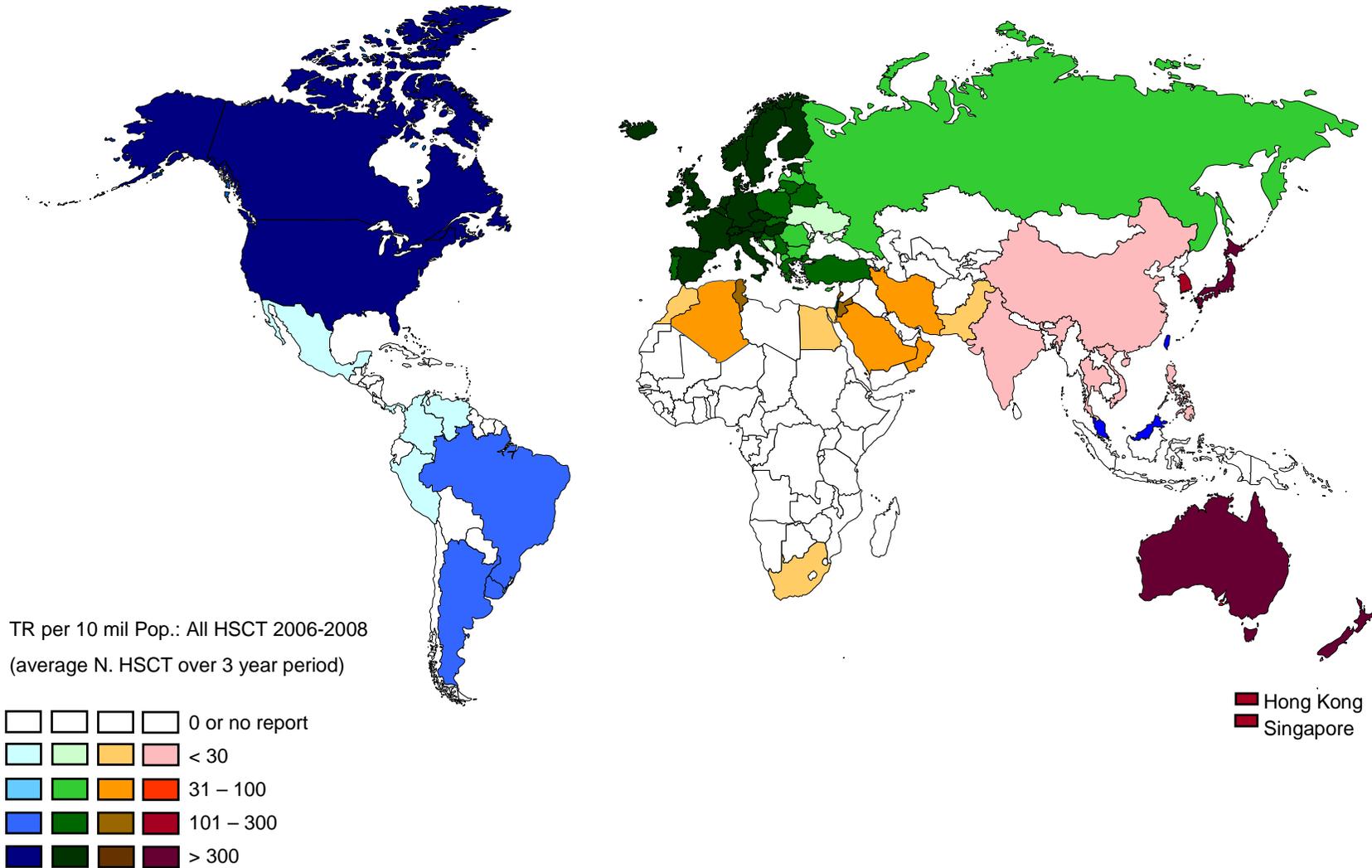
*America (North, Central and South America,
Asia (South East Asia and Western Pacific)
EMRO/Africa (Eastern Mediterranean and Africa)
Europe

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150 000 HSCT's 2006 – 2008

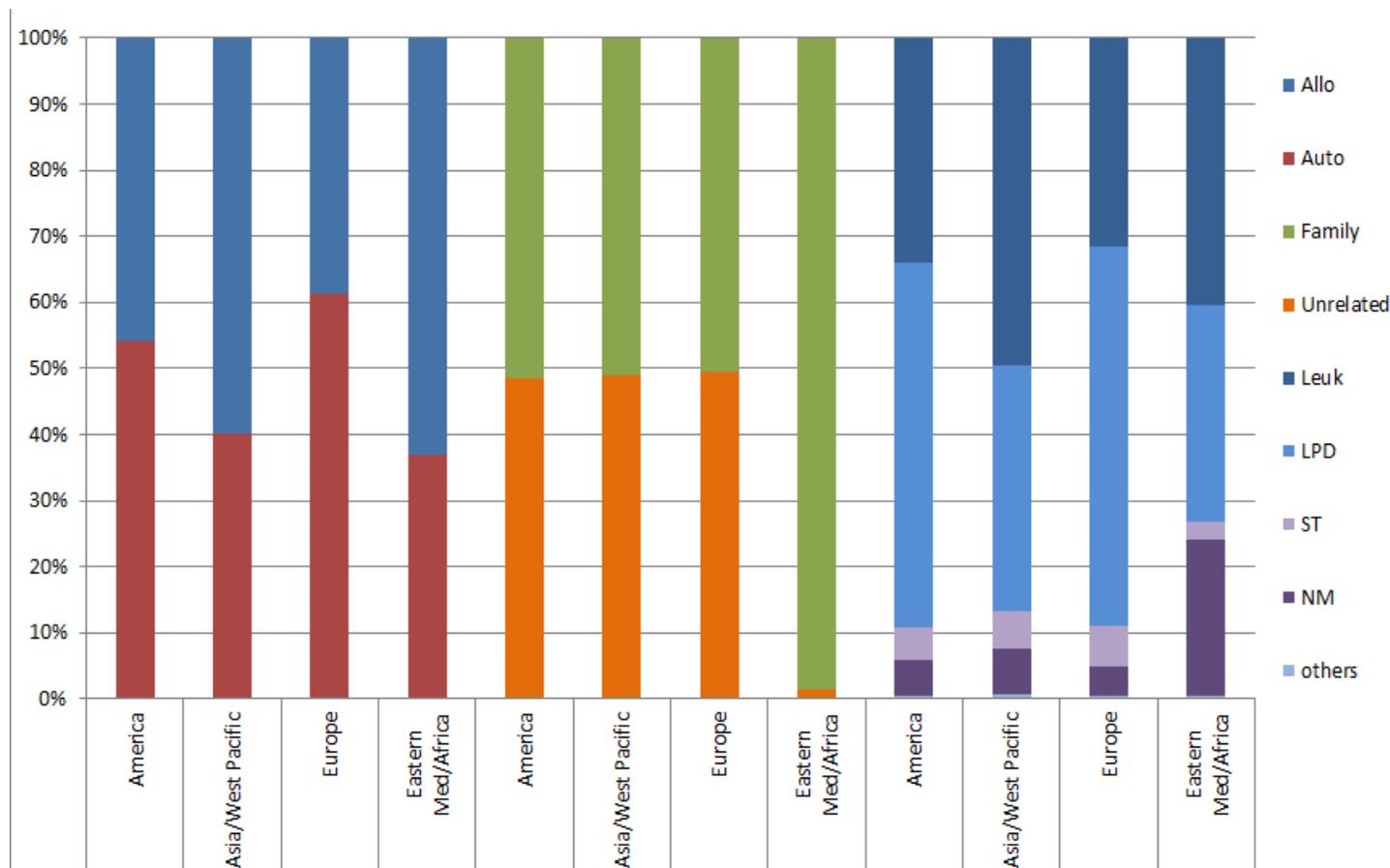
Transplant rates total transplants





150 000 HSCT's 2006 – 2008

Distribution of donor type and main indication by WHO region



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Conclusions

- Availability of resources (GNI/cap) impacts on
 - Quantitative use of HSCT (transplant rates)
 - Qualitative use of HSCT (selection of indications and donor type)
- Lower income countries select rather
 - HLA id sibling donors
 - Indications without need for intensive pretreatment (cost effectiveness)
- Unrelated donor transplant rates are associated
 - GNI/cap, presence and size of national registry
- Targeted (by nation) recommendations are justified