

Current Indications for HCT

WBMT Workshop Hanoi 2011

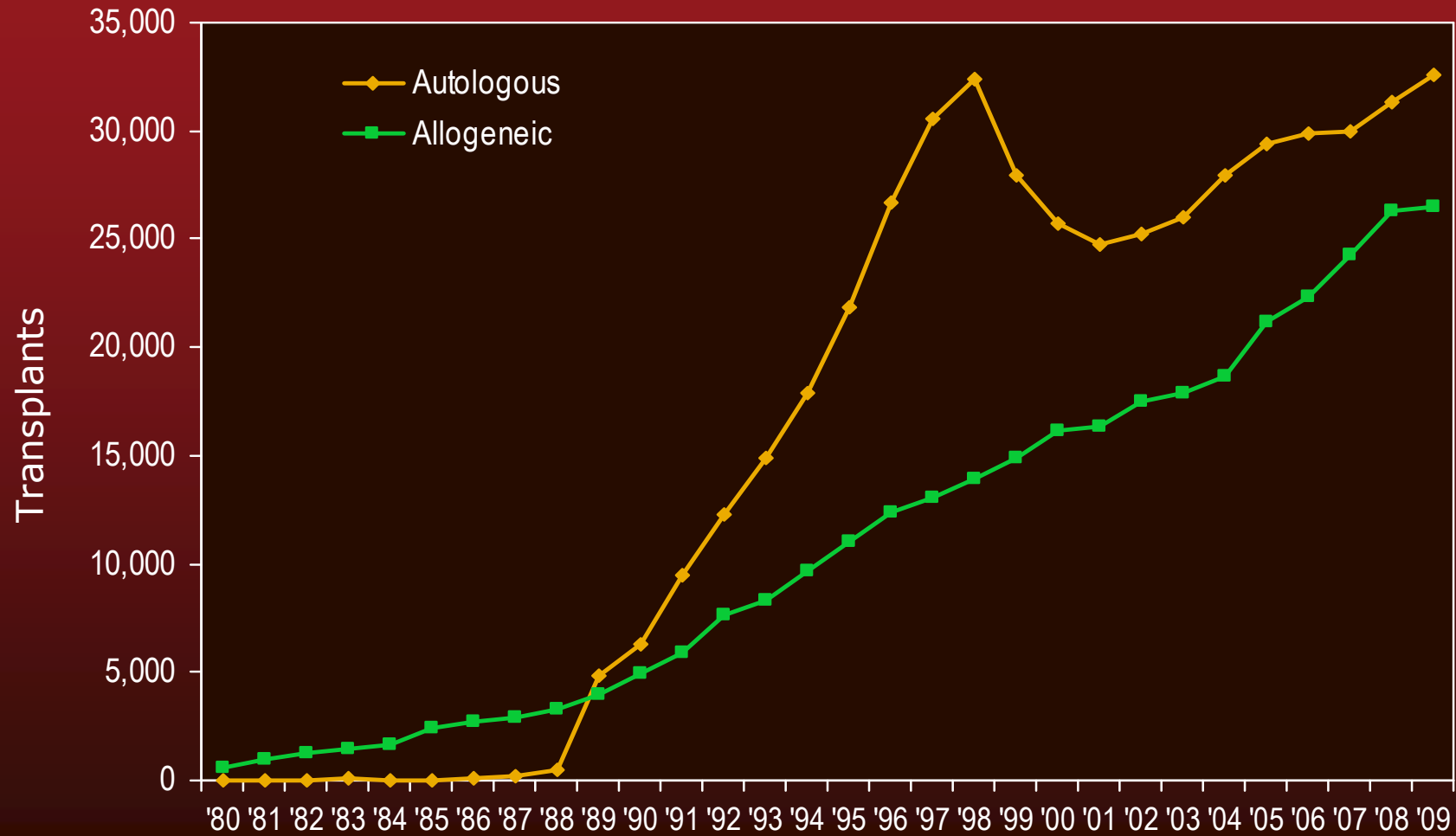
J. Douglas Rizzo, MD MS



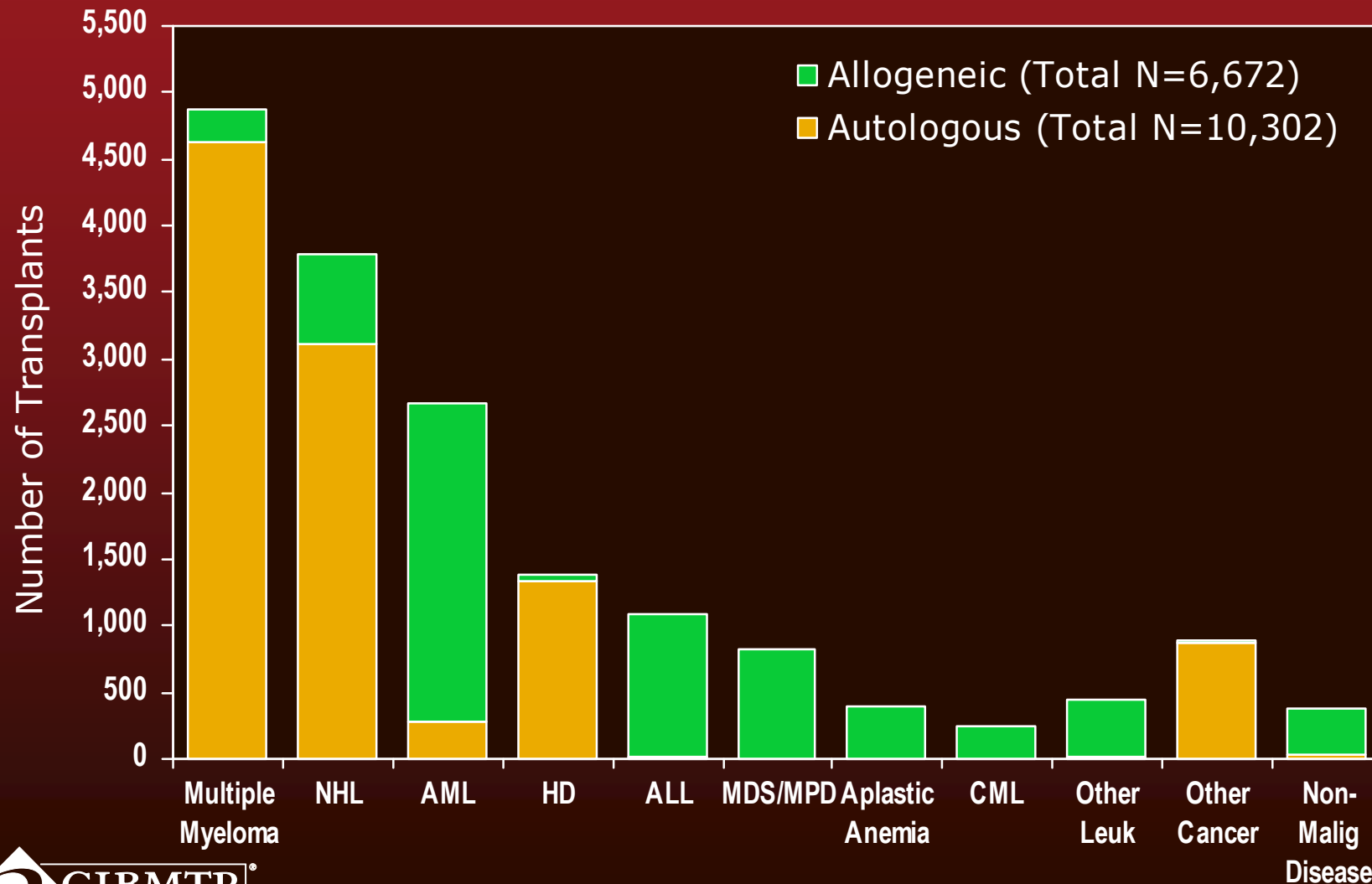
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& MARROW TRANSPLANT RESEARCH

Transplant activity worldwide 1980-2009

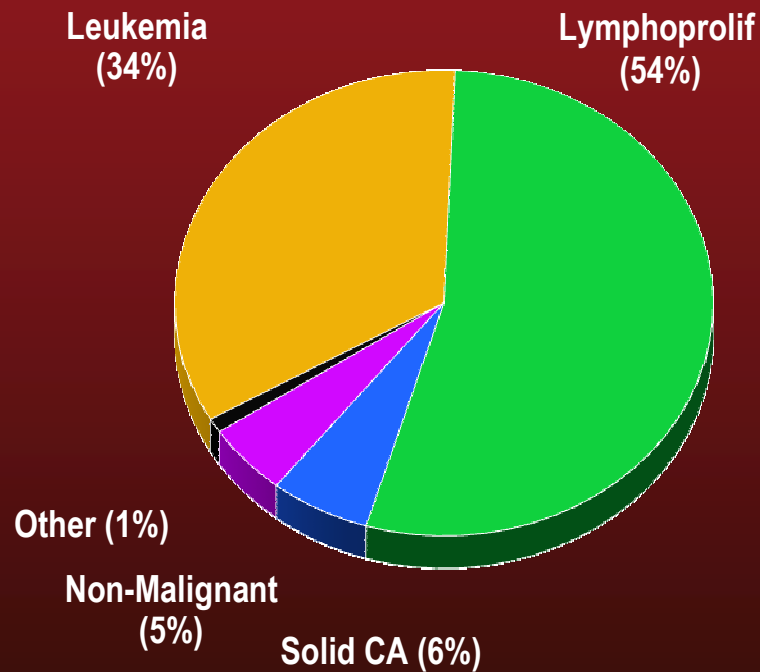


Indications for hematopoietic stem cell transplant in North America 2008

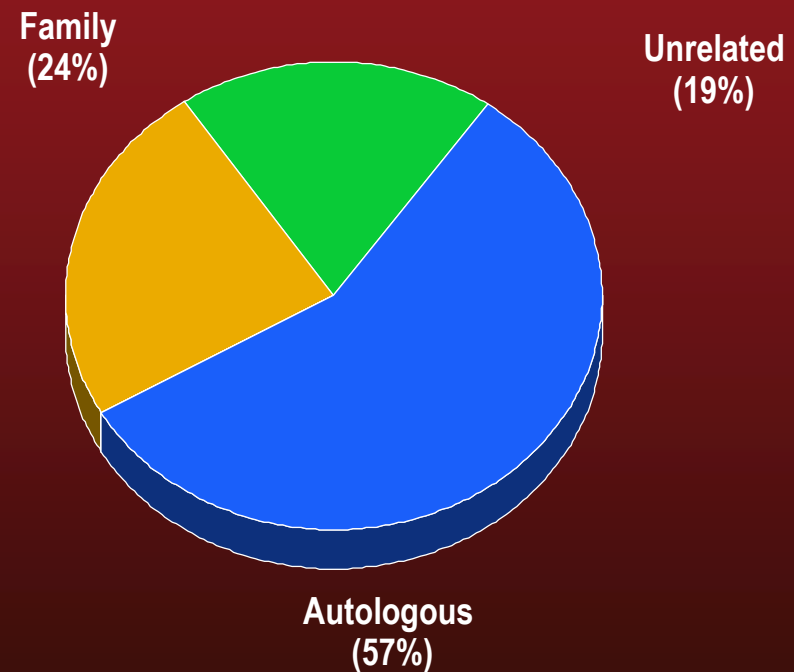


Distribution of all HCT performed worldwide, 2006 (N=50,417)

Diseases



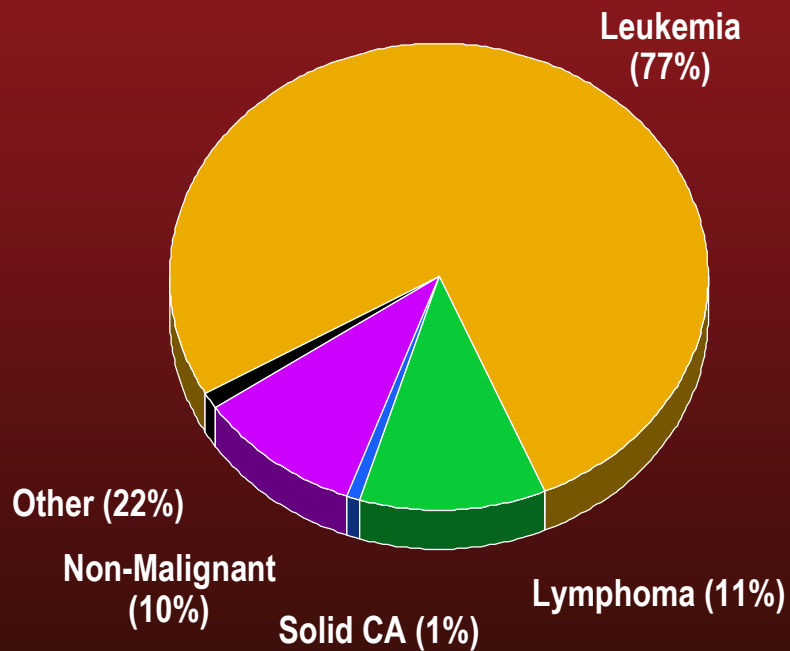
Donors



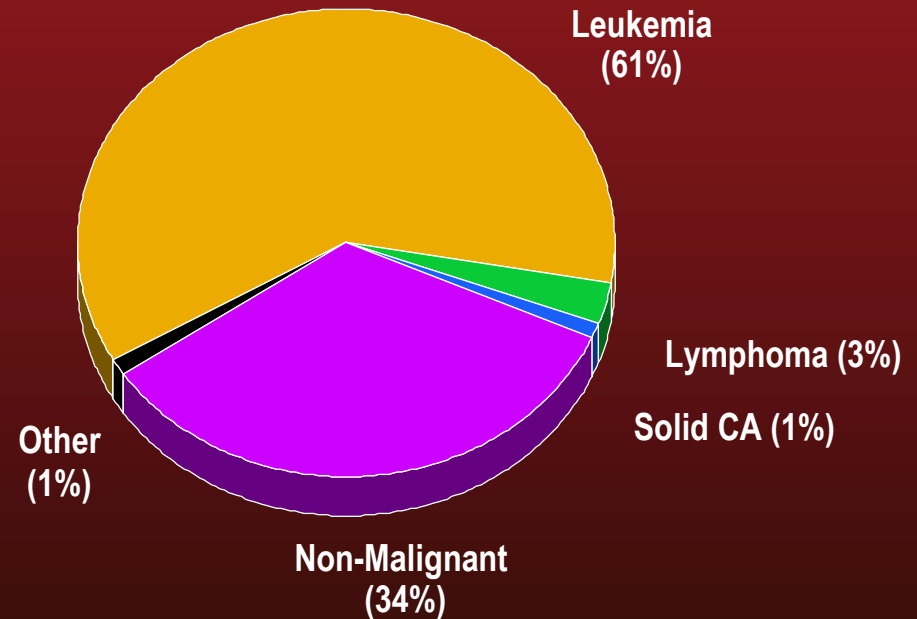
Based on Gratwohl, et al JAMA, 2010

Distribution of Diseases for which allogeneic HCT performed worldwide, 2006

Asia

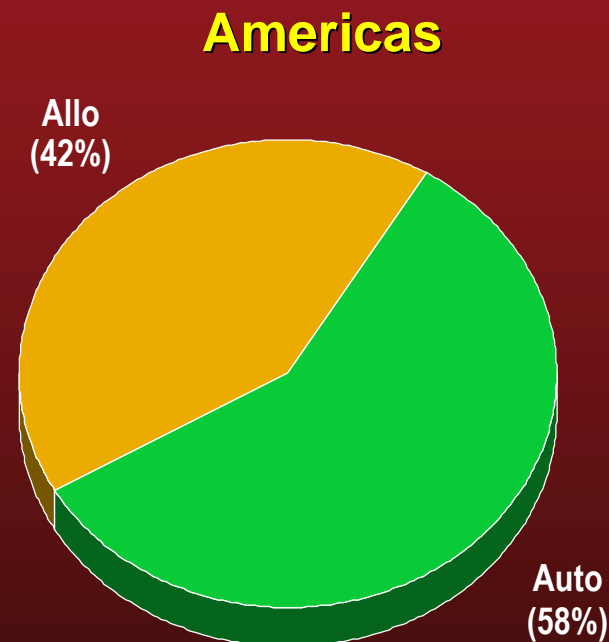
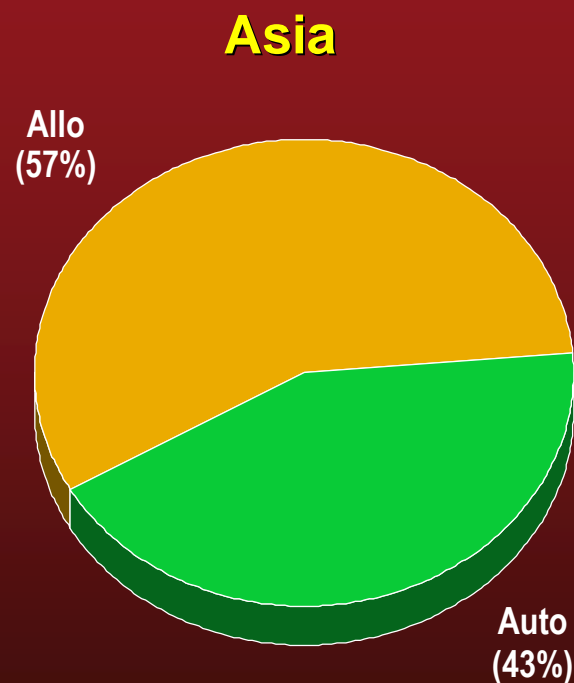


E Med & Africa



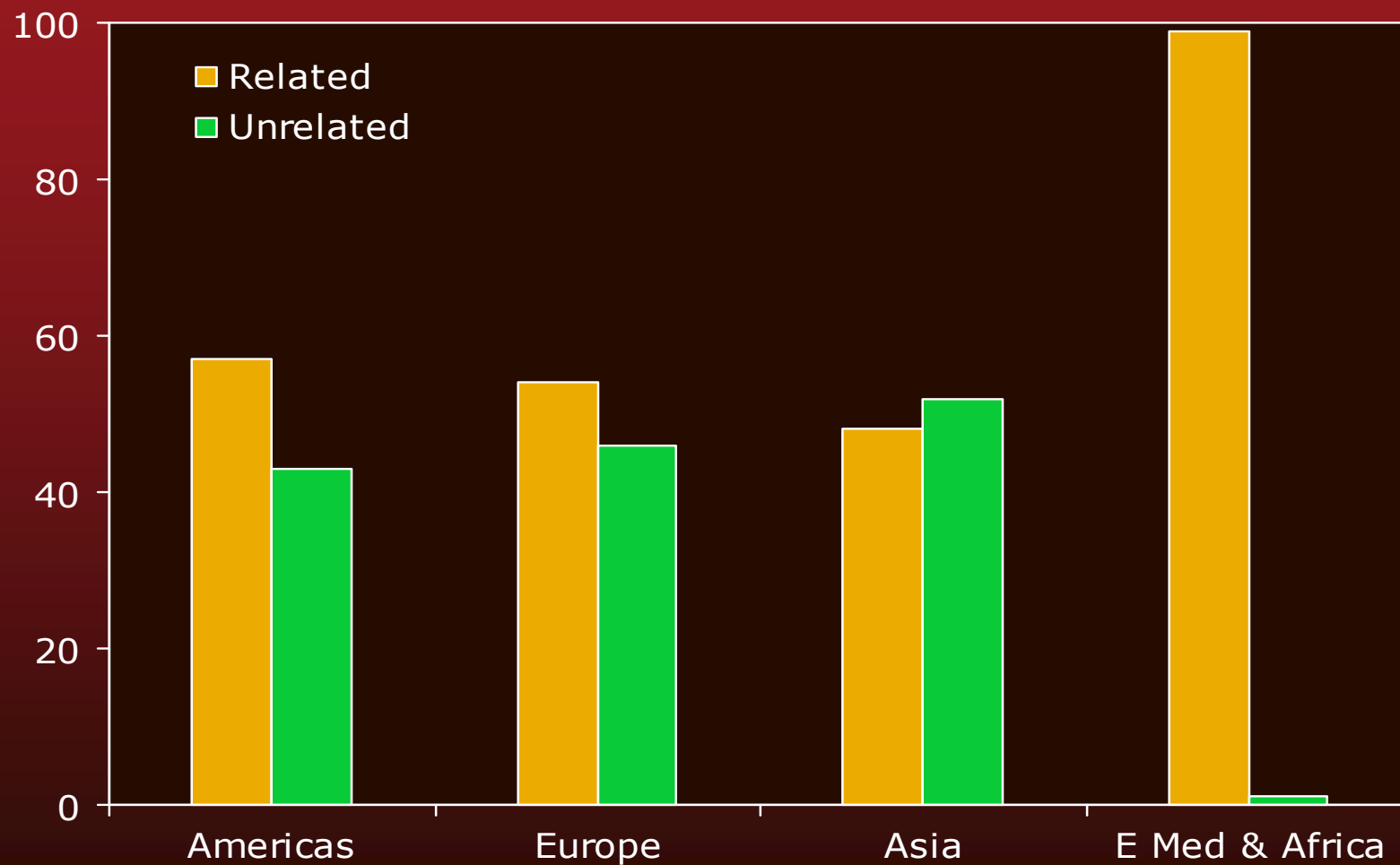
Based on Gratwohl, et al JAMA, 2010

Distribution of Graft Source for HCT performed worldwide, 2006

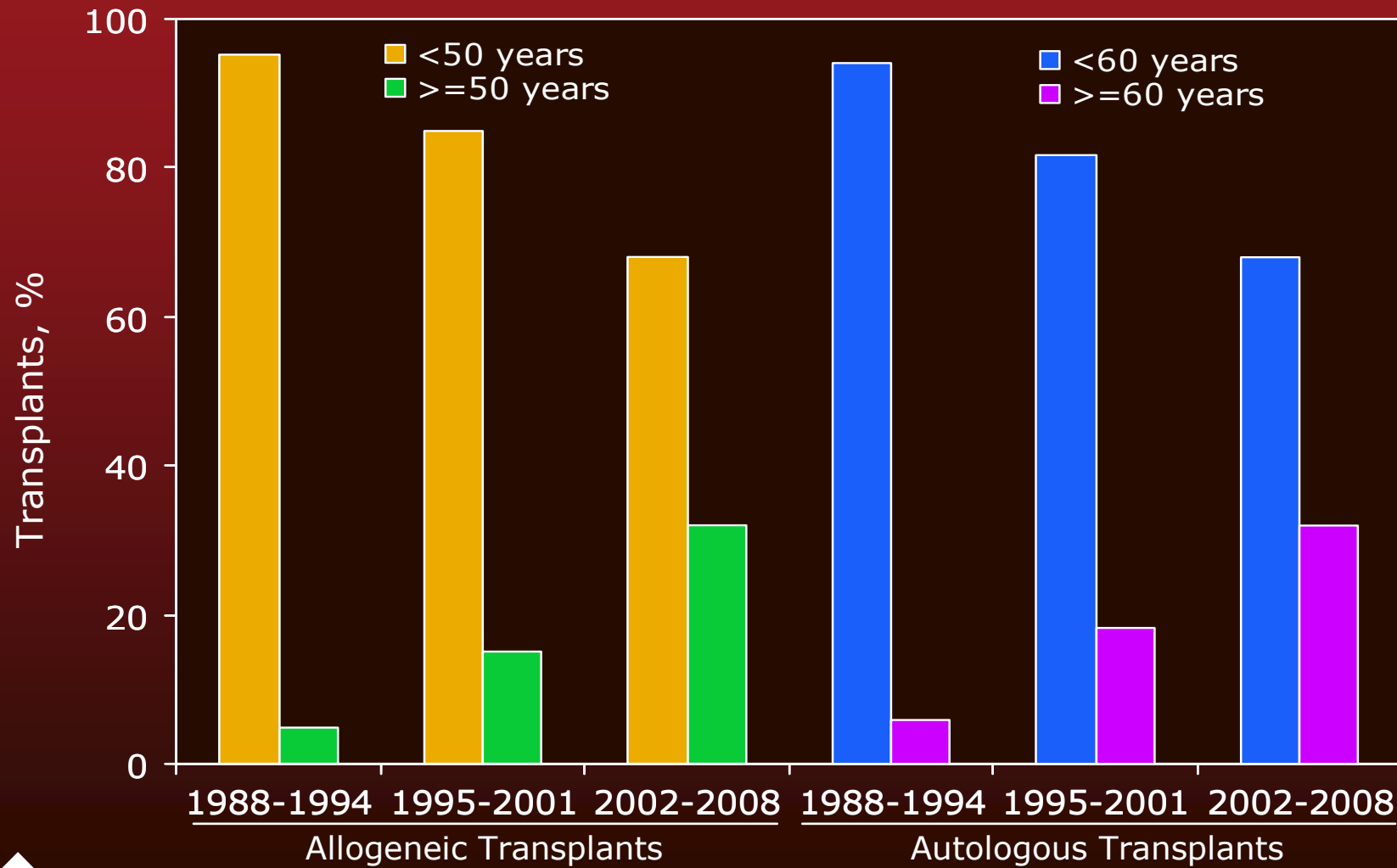


Based on Gratwohl, et al JAMA, 2010

Distribution of Allogeneic Donor Types Worldwide by Region, 2006



Trends in transplantation by type and recipient age* 1988-2008

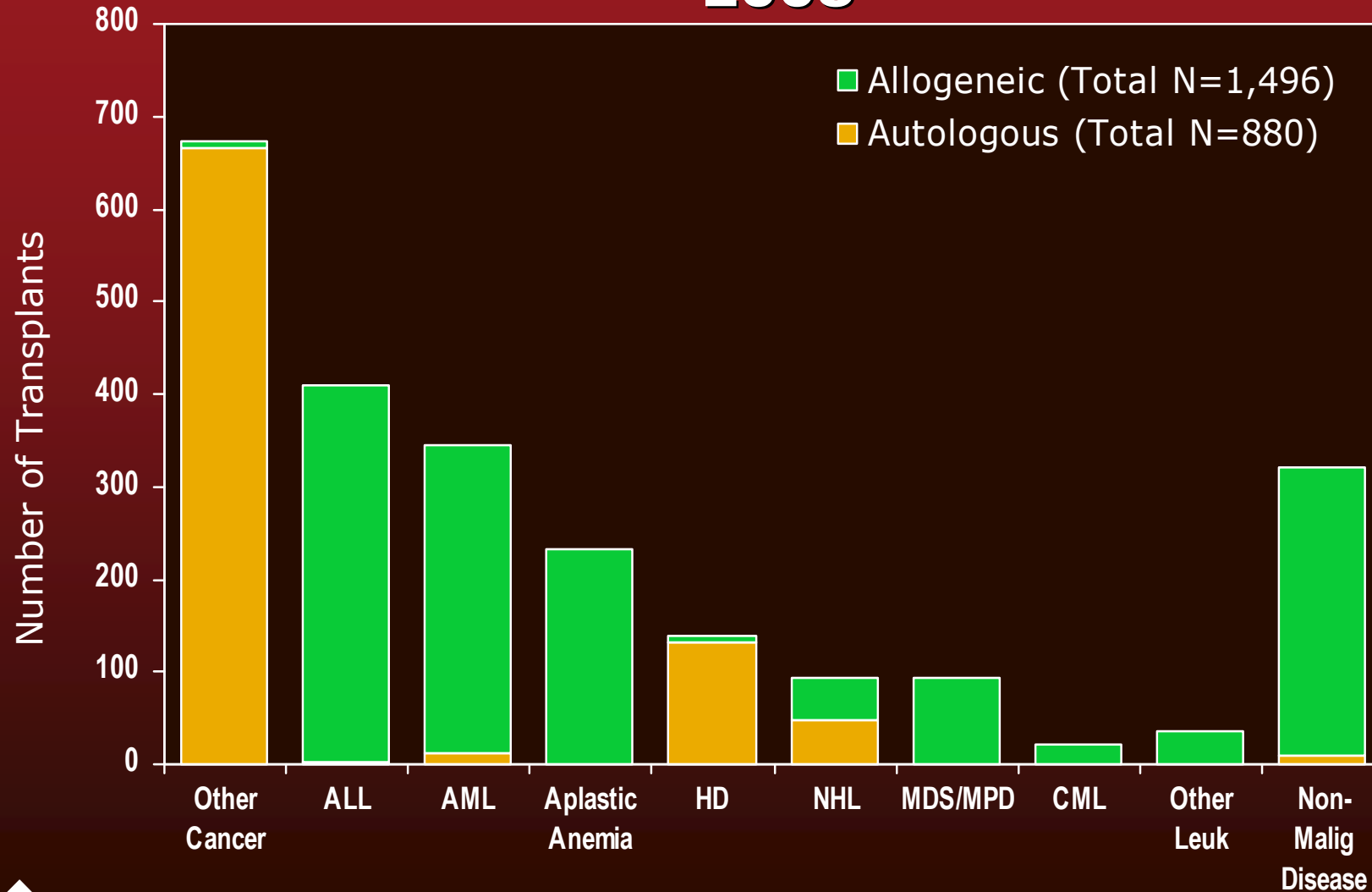


Highlights of Indications

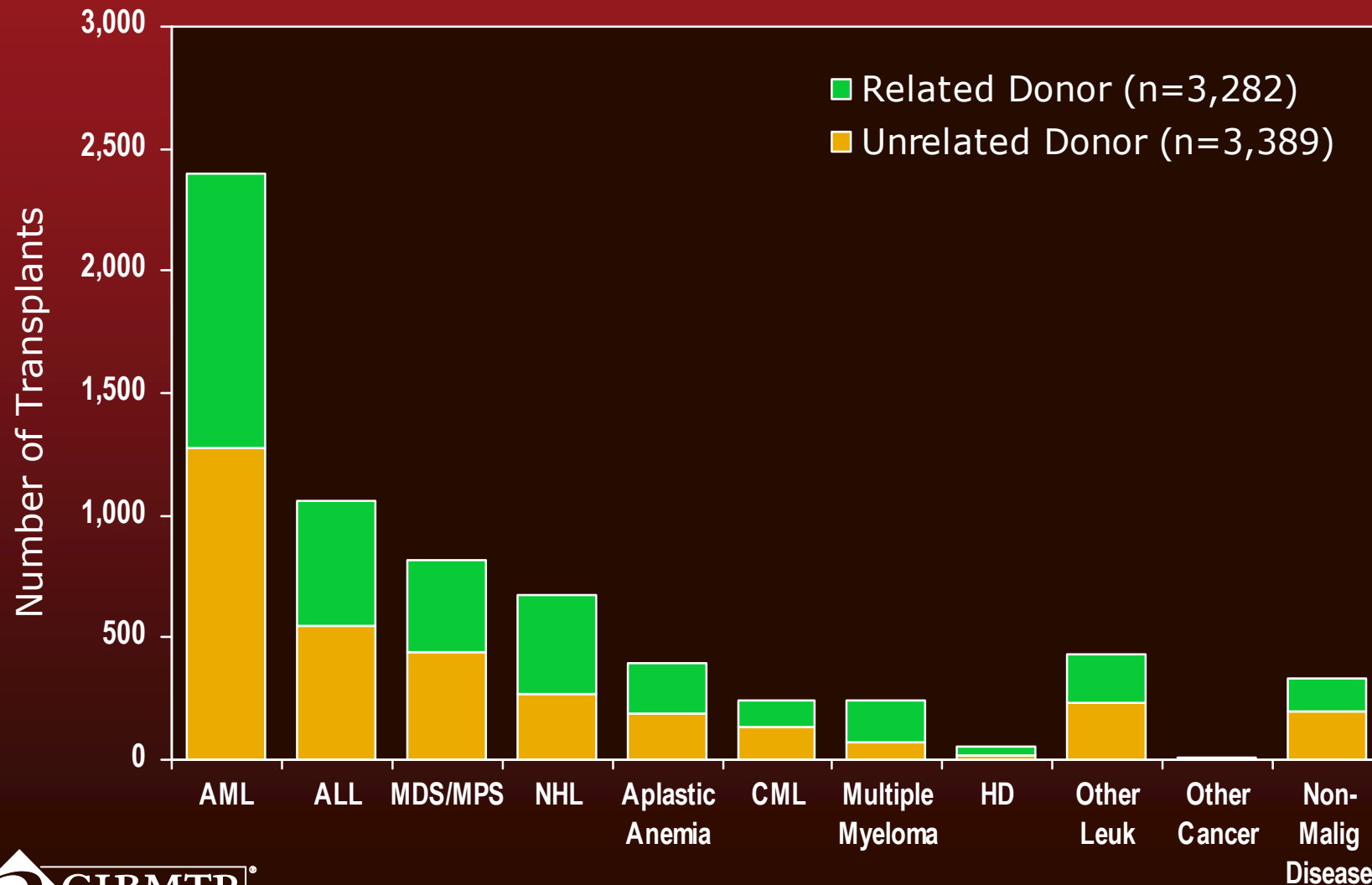
- ◆ HCT continues to increase worldwide (+10% 2006 to 2008)
 - ◆ AlloHCT (+17%), AutoHCT (+5%)
- ◆ Indications for HCT differ by geographic region
- ◆ Appropriate type of HCT (auto or allo) is likely to vary with the indications
- ◆ In some regions, use of family donors prevails compared to unrelated donors (which may limit expansion)

QUESTIONS?

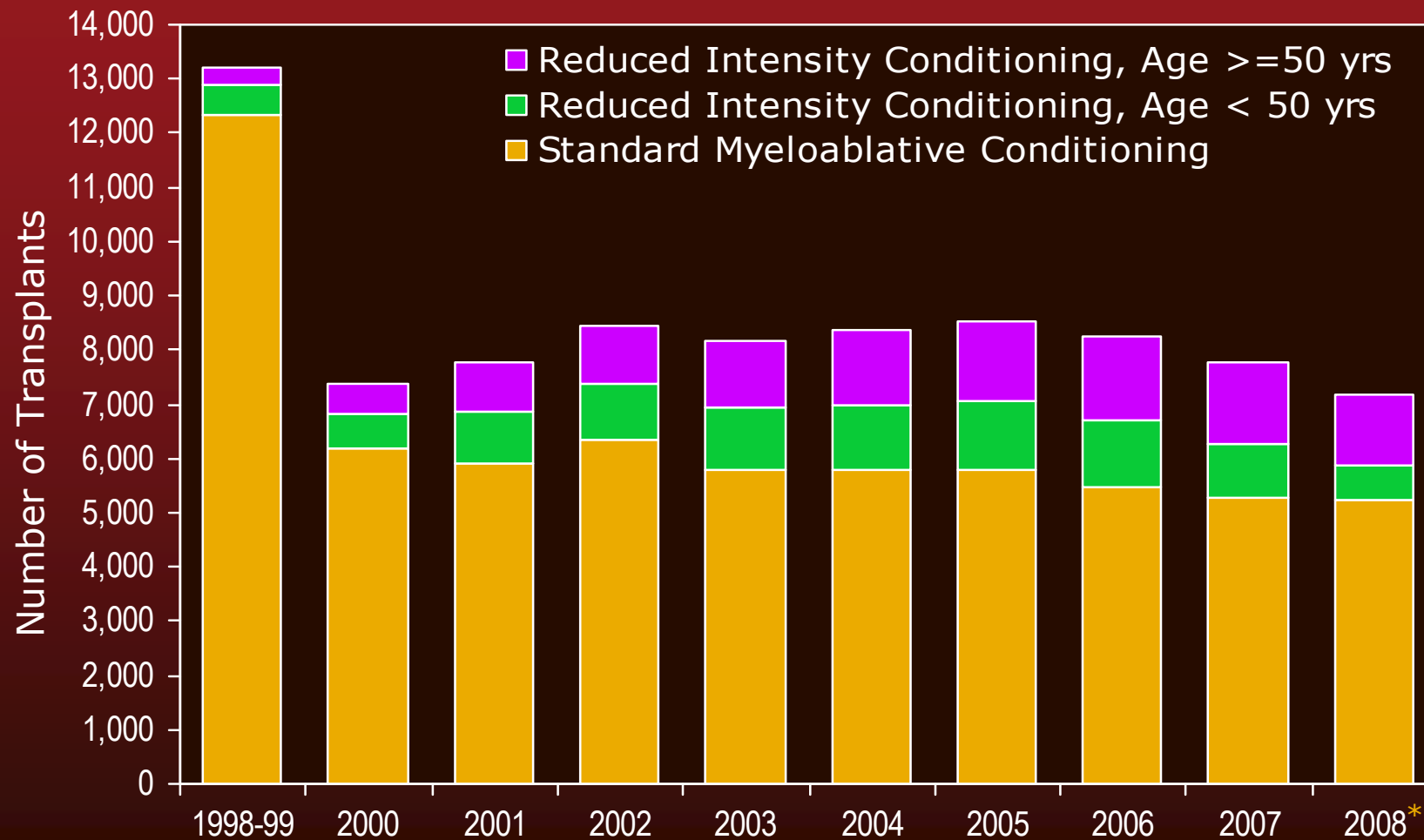
Indications for hematopoietic stem cell transplant for ages ≤ 20 years in North America 2008



Indications for allogeneic hematopoietic stem cell transplantation in North America 2008

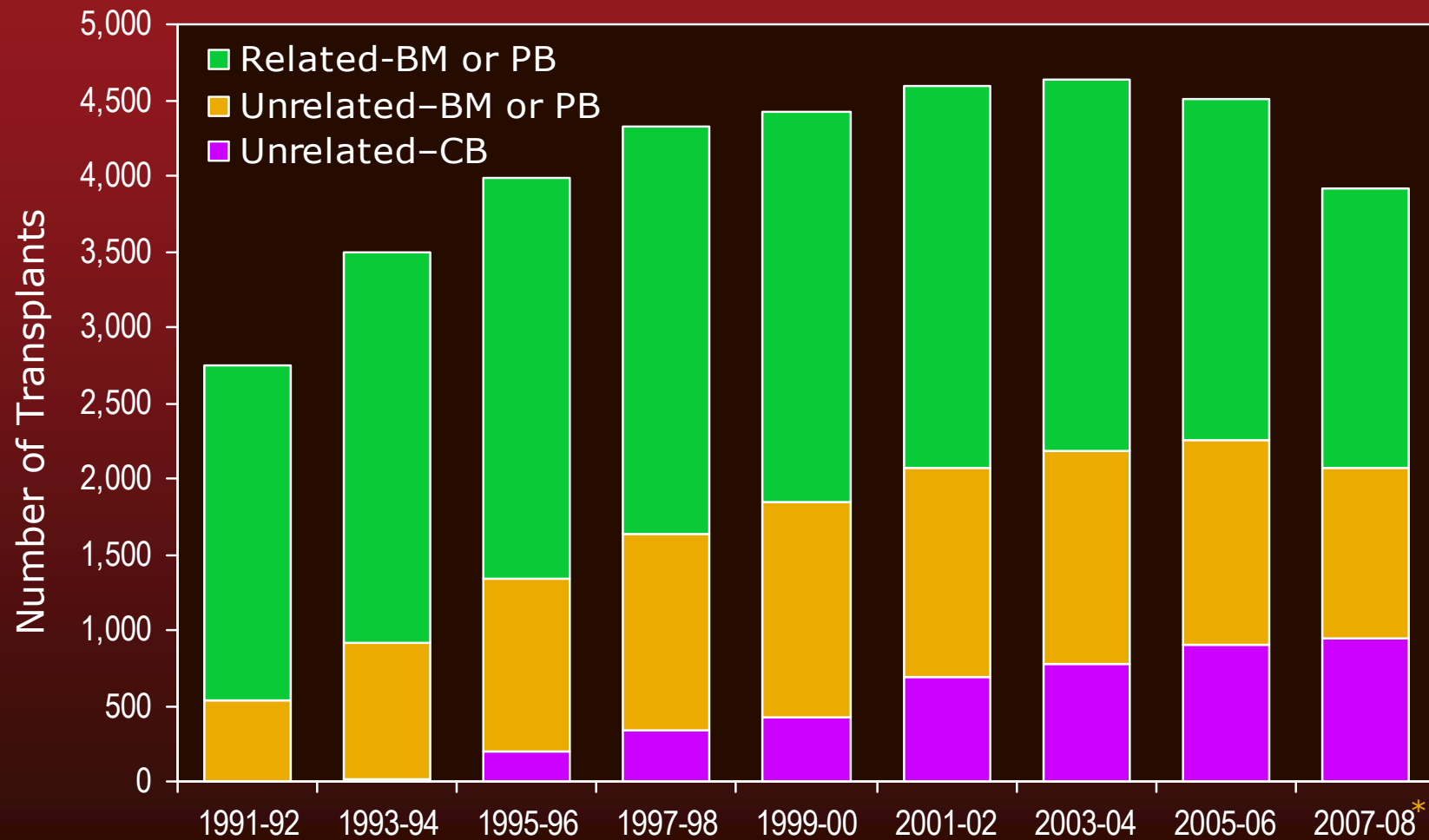


Allogeneic transplantations by conditioning regimen intensity and patient age, registered with CIBMTR 1998-2008



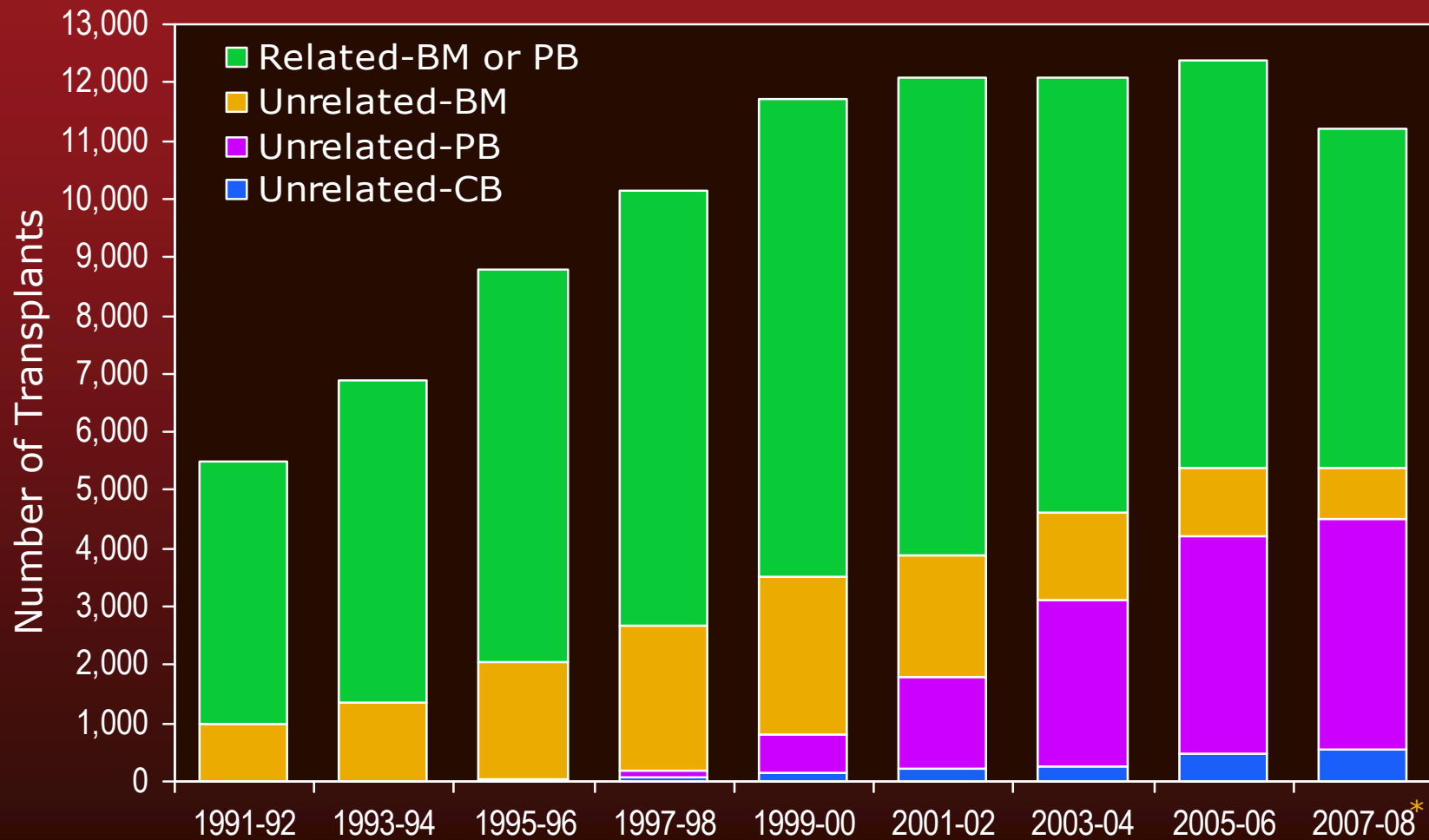
* Data incomplete

Allogeneic transplants in patients ≤ 20 years, by donor type and graft source, registered with CIBMTR 1991-2008



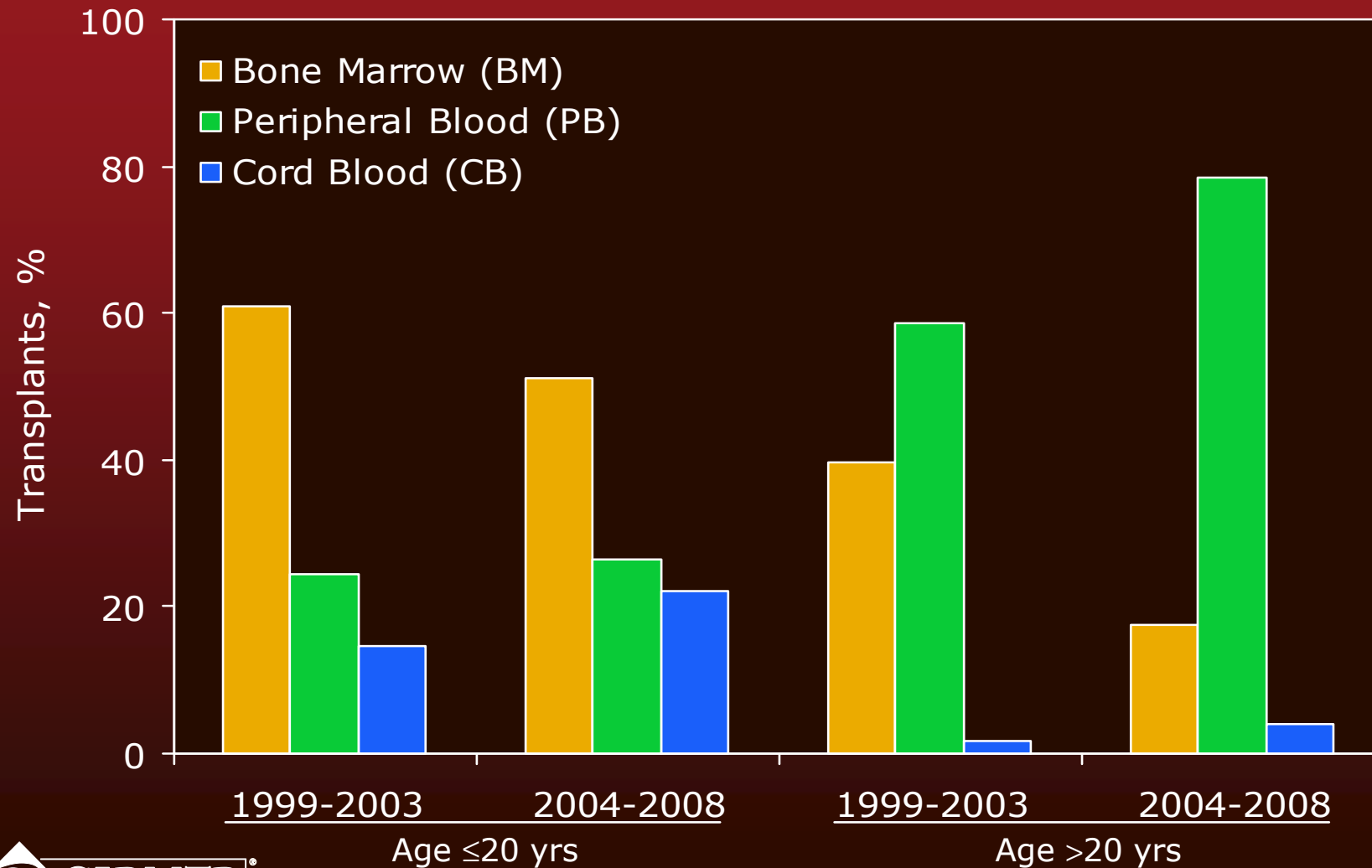
* Data incomplete

Allogeneic transplant in patients >20years, by donor type and graft source, registered with CIBMTR 1991-2008

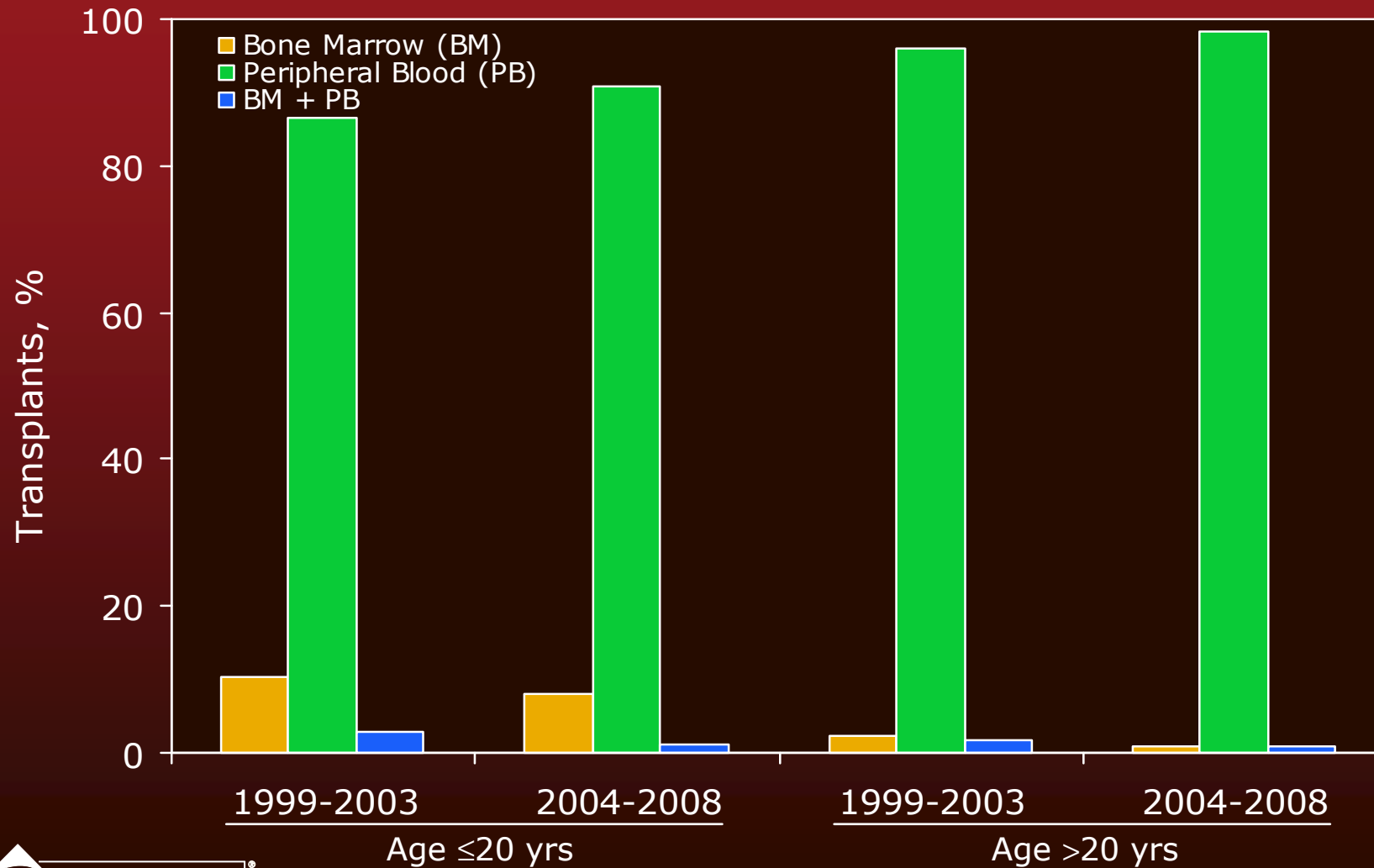


* Data incomplete

Allogeneic stem cell sources, by recipient age 1999-2008

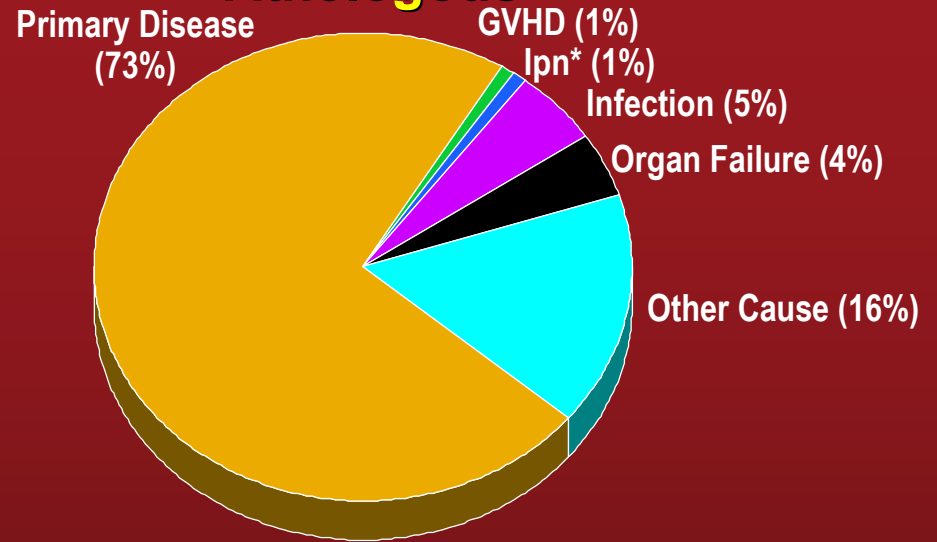


Autologous stem cell sources, by recipient age 1999-2008

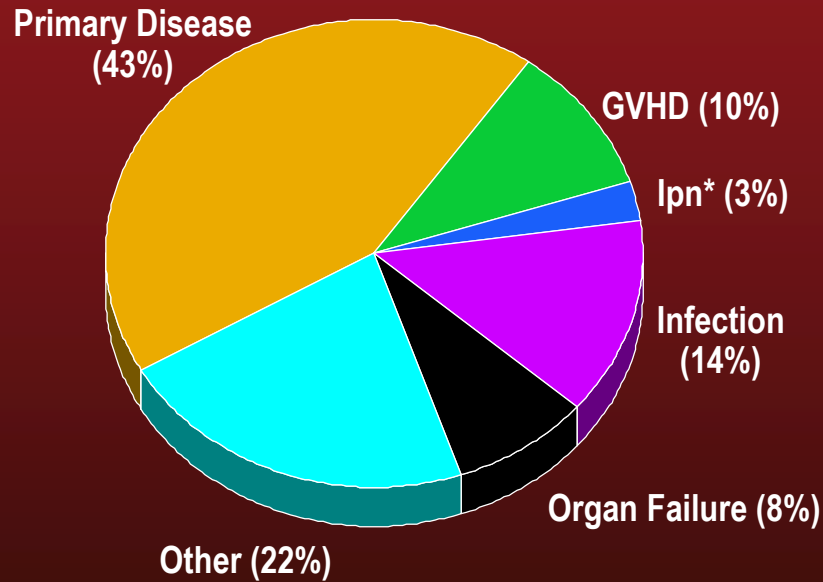


Causes of death after transplantations done in 2003-2008

Autologous



HLA-identical sibling



Unrelated donor

