DATA DOESN'T JUST HAPPEN

 Providing the data needed to do good clinical research, quality improvement is demanding

But quality is essential if data are to be useful

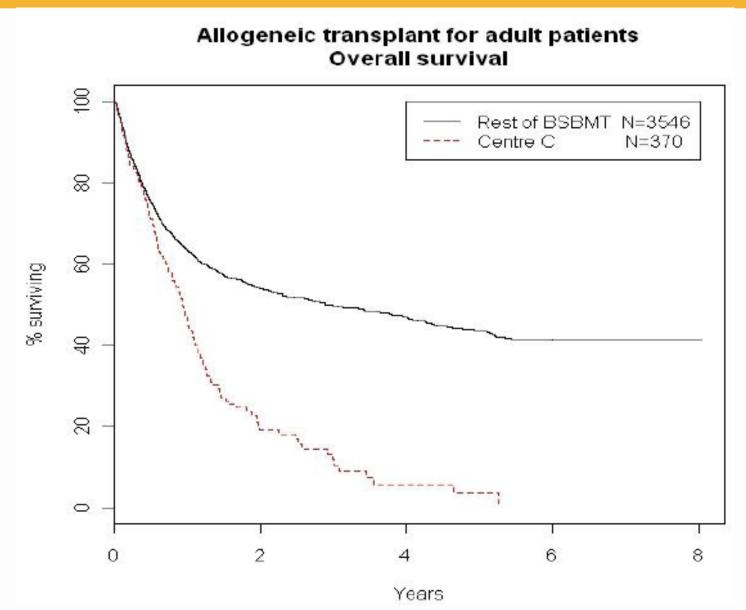
Data Resources

Data Demands



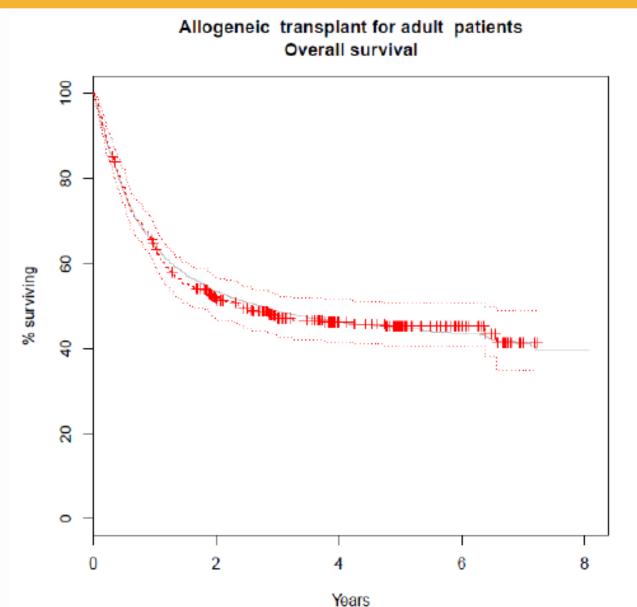


Outcome Registries : Challenges





Outcome Registries : Challenges

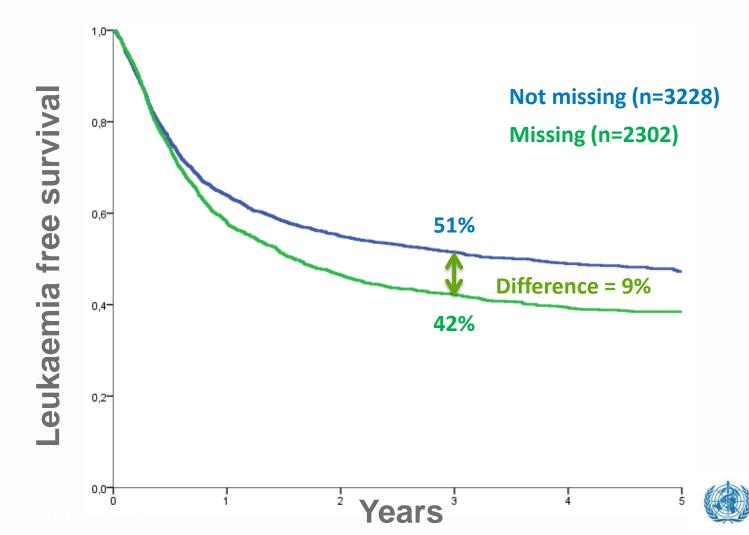




British Society of Blood and Marrow Transplant Annual Report 2012

Outcome Registries : Challenges

Outcome of myeloablative transplant for AML 2000-2010: influence of cytogenetics



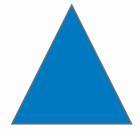
Outcome Registries: Meeting the Challenge

We have to ensure that we balance resources and demands – by *both* increasing resources and making sure that demands are reasonable.



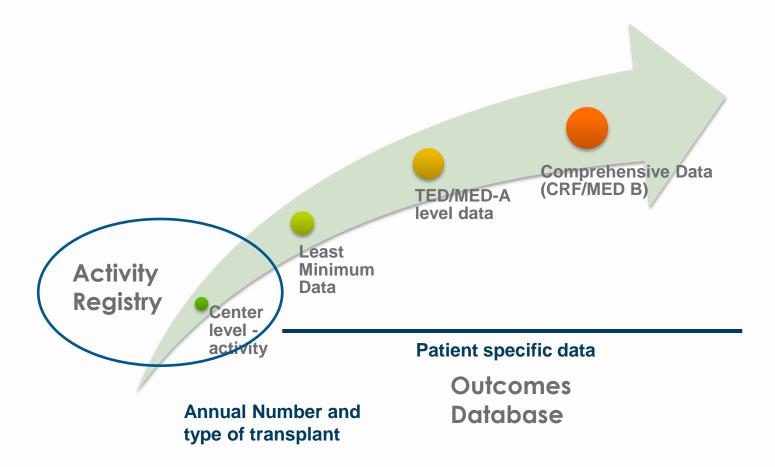








Levels of Data to Share







Various Levels of Data Collection

Data Collection Set	Number of Data Fields
Activity Survey	Aggregate data
APBMT Least Minimum Data Set	~100/patient
CIBMTR/EBMT Consensus Data Set (TED/MED-A)*	~275/patient
TRUMP (Japanese Registry)	~750/patient
Comprehensive Data (CIBMTR CRF/EBMTR MED-B)	>1000
*FACT/JACIE minimum data set	





Discussion: Developing the AFBMT

Panelists	Country
Yoshiko Atsuka	Japan
Eliane Gluckman	France
Nosa Bazuaye	Nigeria
Faisal Hussain	Saudi Arabia
Nicolas Novitsky	South Africa
Marcelo Pasquini	USA
Wael Saber	USA
Adriana Seber	Brazil



Moderator: Mary Horowitz

An African BMT Registry: Benefits and Challenges

- What are the most important benefits of developing an African BMT registry?
- What are the biggest obstacles/challenges?
 How can they be overcome?
- What kind of training is necessary to collect and submit data?
- What are potential strategies to minimize cost?
- What should be the next steps?



An African Outcomes Registry: Meeting the Challenge



If you want to go fast, go alone; if you want to go far, go with others.



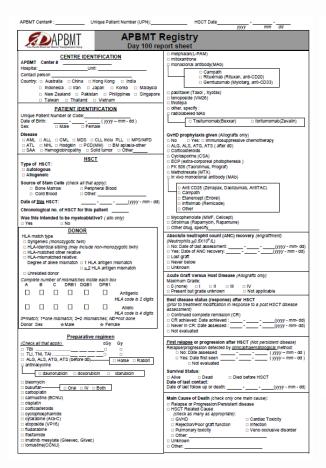
APBMT Least Minimum Data Items

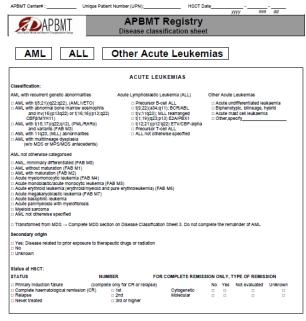
Characteristics	Fields
Identification	Center and patient numbers
Patient	age, gender
Disease	disease status and subtype
Transplant	Date, graft type, conditioning regimen (intensity, agents, irradiation), GVHD prophylaxis
Donor type	Donor type, multiple donors, HLA match, donor gender and relation
Outcome	
Engraftment	Date, graft failure
GVHD	Acute, date of maximum grade, date of chronic
Disease status post transplant	Response, relapse and date
Survival	Status at last f/u, cause of death
Follow up	
Data collection calendar	100 days, 6 months, 1 year and yearly thereafter.

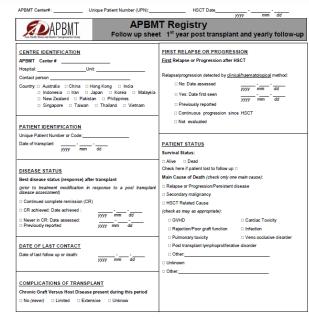




Least Minimum Dataset of APBMT







One page for day 100 report

One page for disease items

One page for follow-up



Other Items of Potential Local Interest

- Length of hospital stay
- Costs
- Prior therapy
- Depends on most important issues to be addressed

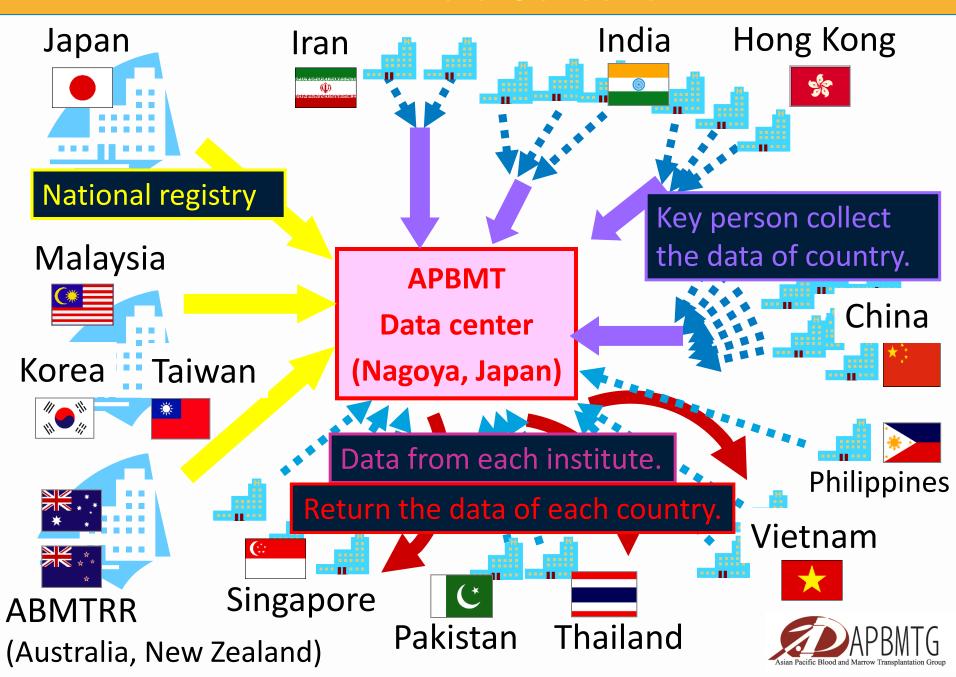
IMPORTANT PRINCIPLE – Think about what you want to use the data for before deciding what to collect.



Making Use of Existing Resources May Make Data Sharing More Feasible Logistically and Financially



APBMT Data Collection



Agreement Form

Data Transmission Agreement

This Data Transmission Agreement, effective September 16, 2010, is entered into by and between the Asia-Pacific Blood and Marrow Transplantation ("APBMT"), an international organization whose office and data center in Aichi Medical University School of Medicine and Nagoya University Graduate School of Medicine, and Singapore General Hospital ("Transplant Center").

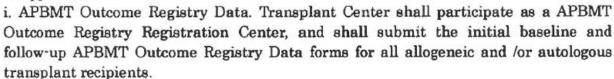
The APBMT is an international organization to share information and promote

This form can be applied to the agreement between CIBMTR and societies other than APBMT.

The purpose of this Agreement is to set forth terms by which the APBMT will facilitate Transplant Center's participation in data submission for research activities of the APBMT.

Section 1. Data Collection and Records

(a) Types of Data







ii. Transplant Essential Data (TED). If Transplant Center is a Center for International Blood and Marrow Transplant Research (CIBMTR) Registration Center, Transplant Center may submit TED data equivalent to APBMT Outcome Registry Data directly to CIBMTR. CIBMTR may provide such TED data to the APBMT. Similarly, centers submitting data to APBMT agree to allow APBMT to share these with CIBMTR.

Some Best Practices for Designing a Registry

- Identify the People Who Are Key to the Effort
 develop shared commitment
- Define the objectives together
 - What you collect is determined by what you want to do with the data
 - Long-term enthusiasm will depend on producing a database that is useful
 - May differ for local, national and international efforts
 - Address issues of ownership, access and governance



Some Best Practices for Designing a Registry

- Carefully assess existing resources to determine what can be leveraged
 - Data elements use those already curated/defined
 - Leverage existing data collection infrastructures (including local hospital systems) where possible
- Start small but plan for expansion
 - Data elements can be categorized as "musthaves" versus "nice to haves"



Some Best Practices for Designing a Registry

- Consider how to recruit, train and support data entry personnel
 - On-line training tools exist through CIBMTR and EBMT
 - Integrate data collection into flow of clinical care (point of treatment collection)
 - Even doctors need some help



Role for WBMT: Advocacy

- Recognition that data collection and analysis are an essential part of our work – and critical to improving patient outcomes
- Uniform data standards so that data systems in different sectors /centers/countries can talk to each other
- Governmental and private funding for data collection
- Sensible regulations regarding research and privacy that protect patients and donors but do not preclude the research that will, in fact, help them in the long run.

