



World Health
Organization

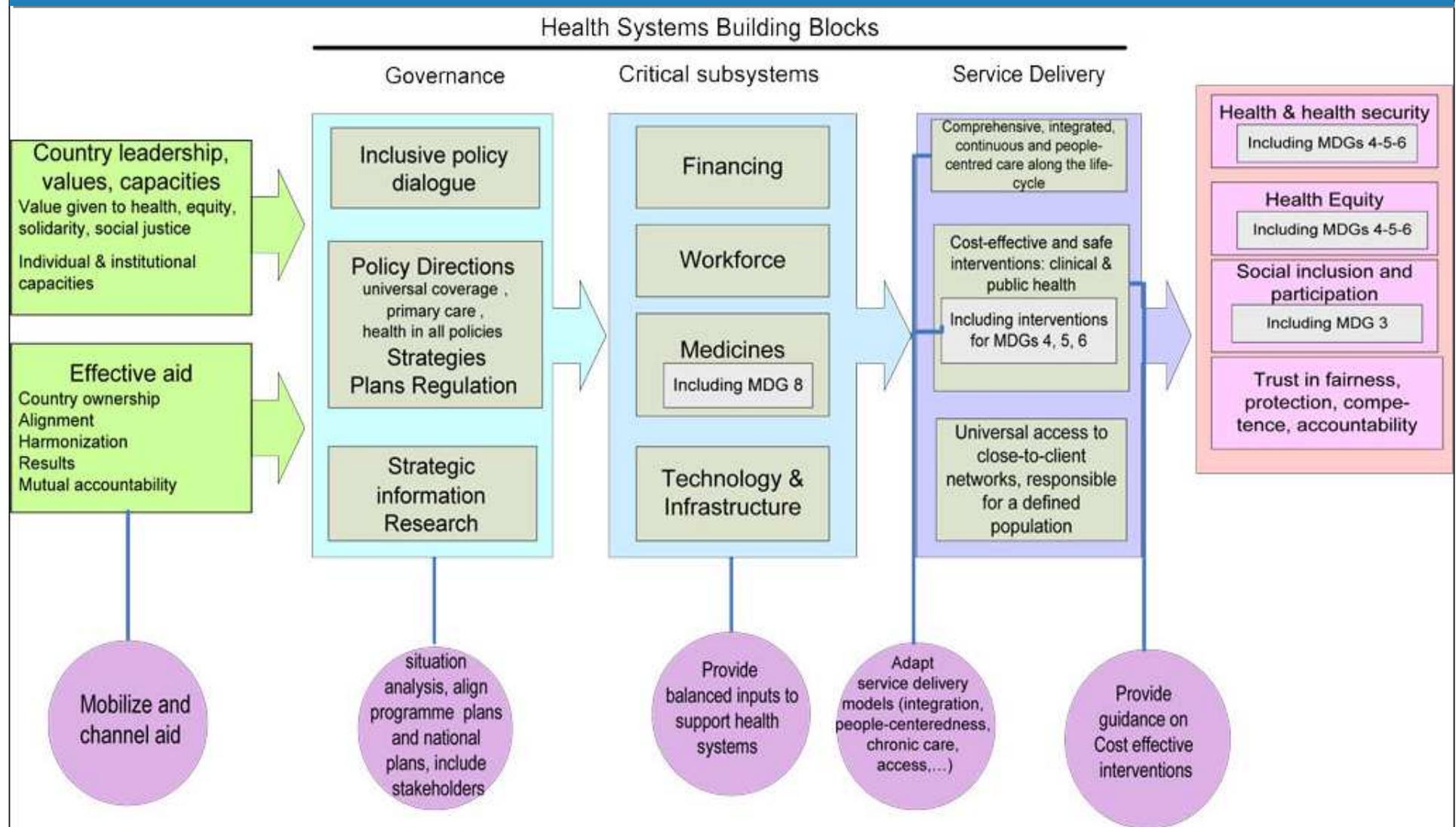
ESSENTIAL
HEALTH SYSTEMS
TECHNOLOGIES
GOVERNANCE
AND SERVICE DELIVERY

The World Health Organization and Haematopoietic Stem Cell Transplantation



Dr Luc Noel , Coordinator
“Clinical Procedures “ HSS/HDS/CPR
World Health Organization Geneva

WHO Approach to National Health Policy and Plan Development



Health Systems Building Blocks

PHC values and principles

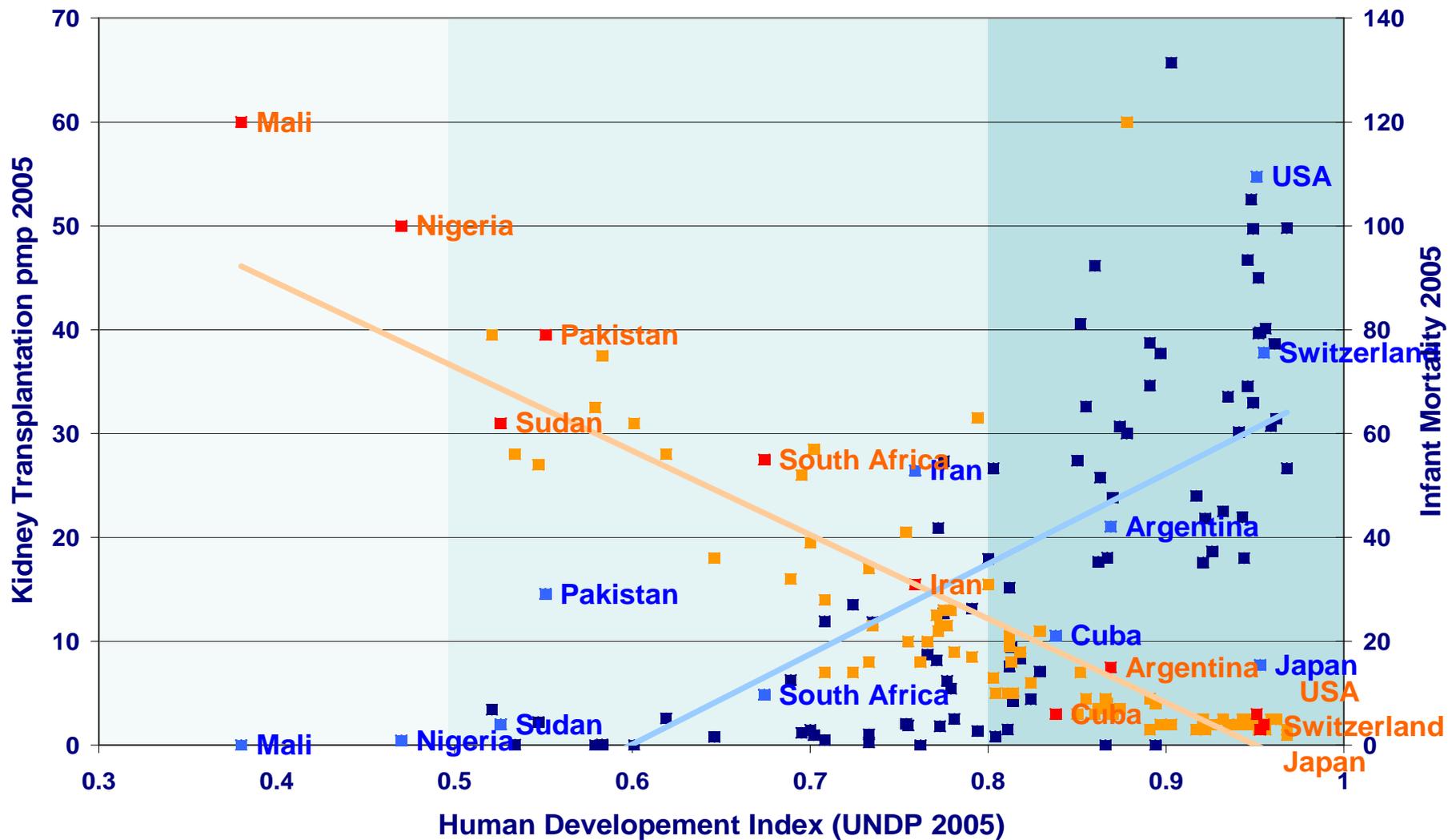
- **Solidarity**
- **Social justice**
- **Universal access**
- **Multisectoral action**
- **Community participation**

Millennium Development Goals

(3) 4, 5, 6 and (8)



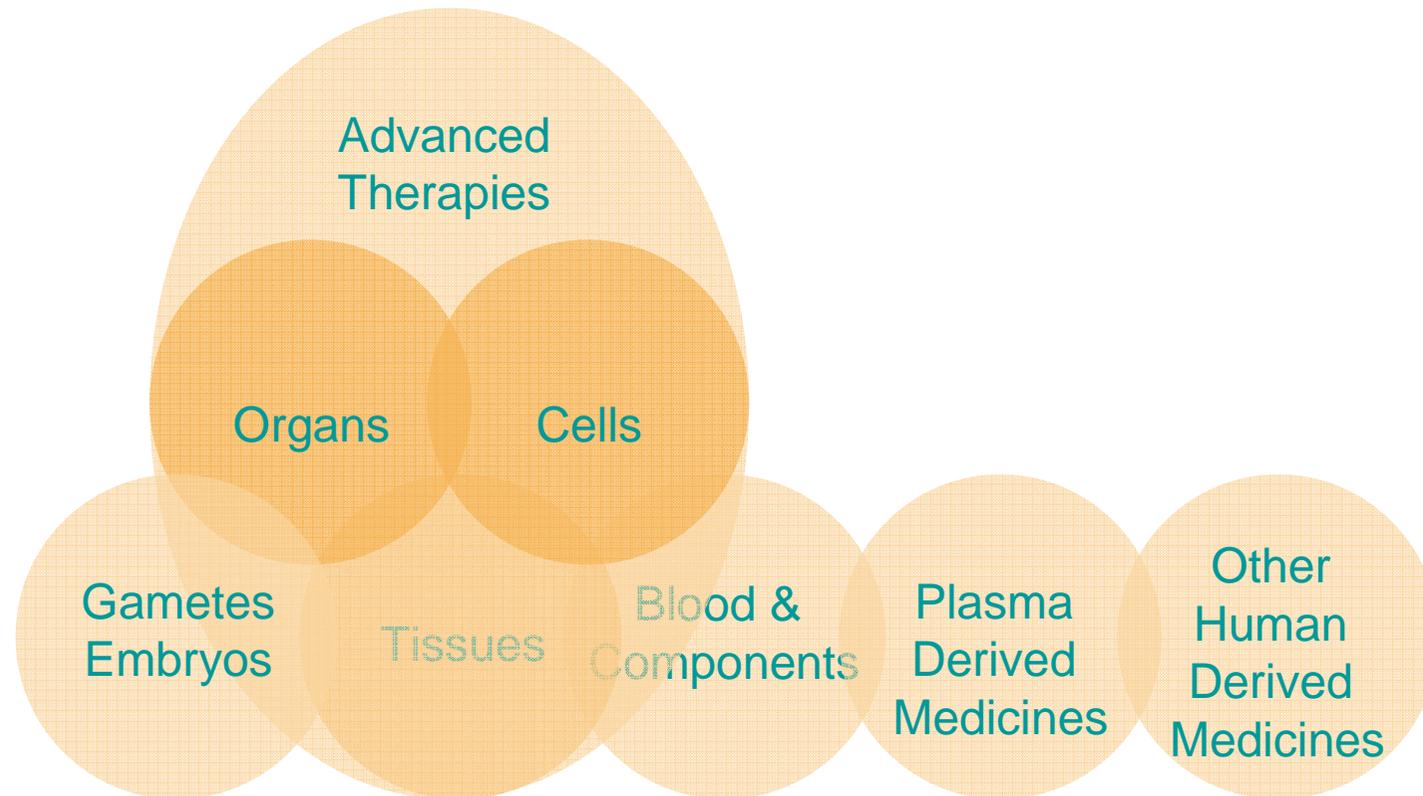
Kidney Transplantation pmp and Infant mortality per 1000 live births vs Human Development Index



Why is WHO Focusing on Transplantation

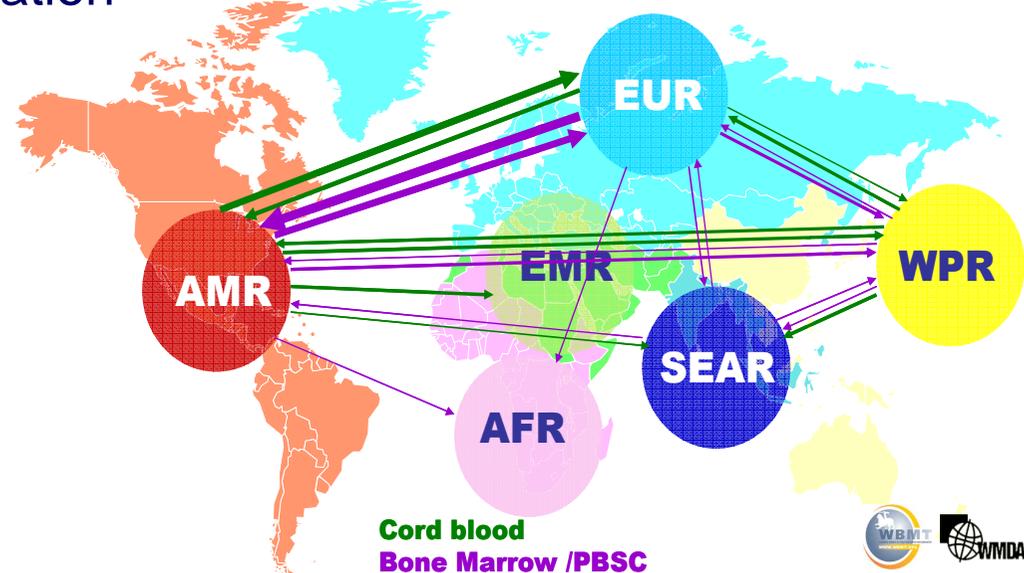
- **Ethics** against exploitation of donor and recipient and societal consequences (WHA 40.13)
 - Combatting commercial transplantation trafficking and tourism
 - Self Sufficiency paradigm
- **Health products of human origin**
 - National Regulatory authorities: safety, quality efficacy and trust of the public in donation
 - Vigilance and Surveillance on ethical and safety risks
- **Trends in care for the future**
 - Quality and progress of replacement and regenerative therapies to be submitted to same levels of requirements and oversight
- **High cost** tertiary care yet less expensive than alternatives
 - E.g. haemodialysis and kidney transplantation
- Concept of **suitable transplantation** ,
 - Equity in the population, tertiary care and public/private partnerships, human resource for health and academia

Health Products of Human Origin HPOHO



HSCT an Example for Cell/Tissue based Regenerative Therapies

- Evidence based haematology
- Regional and Global interrelation
- Global circulation of HSC
- Accreditation AHCTA
- Vigilance and Surveillance
 - Donors and recipients
- Coding ISBT 128
- Collaboration with Health Authorities



Stemcell “Therapies”

<http://stemcelltreatments.org/stem-cell-therapy/> November 2011



STEM CELL TREATMENT

The Latest Information on Stem Cells from around the World

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Peyton Manning's Stem Cell Treatment

Stem Cell Cure for
Genetic Liver
Disease

Moth DNA and a piggyBac

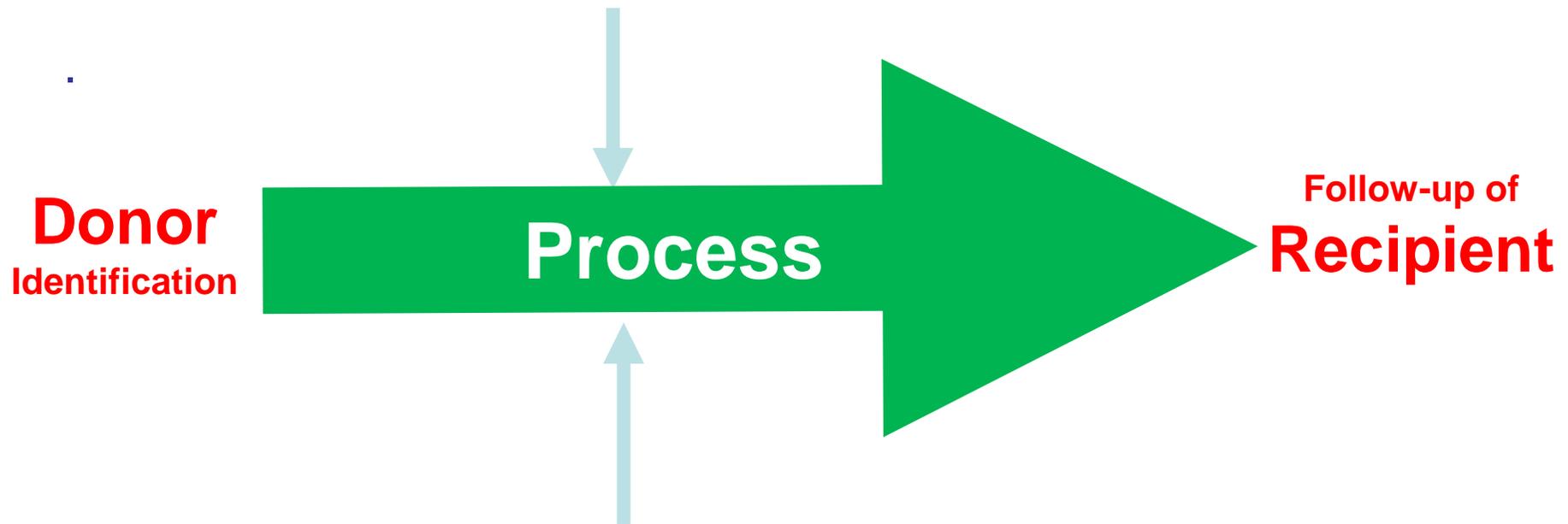
Stem Cell Therapy
for Autism

Peyton Manning's
Stem Cell Treatment

Stem Cell News -

Complementary Roles of SPS and NHA

Scientific and Professional societies (**SPS**): optimal, regional or global, **standards and accreditation**.



National Health Authorities:
minimal, **requirements, inspection and licensing**

2004

Partnerships, Collaborations and Global Consultations Process

Network



The
Transplantation
Society



HUG
Hôpitaux Universitaires de Genève



- **Health authorities**
 - National Transplantation Agencies
 - National Regulatory Authority
 - Policy makers
- **Scientific and Professional Societies**
 - Official relation with The Transplantation Society
- **Experts** Ethicists, lawyers
 - Patients- Donors and Recipients
 - Civil society
- **Every Region of the Globe and level of development**

Towards a Common Global Attitude to Transplantation

References

- World Health Assembly resolutions on human organ and tissue transplantation:
 - 2004: WHA57.18
 - 2010: WHA63.22
- WHO Guiding Principles on human cell, tissue and organ transplantation (GPs) 2010

Available at : <http://www.who.int/transplantation/en/>

2004

World Health Assembly Resolution WHA57.18
Cell Tissue and Organ Transplantation

URGES Member States:

- 1) to implement effective **national oversight** of procurement, processing and transplantation of human cells, tissues and organs, including ensuring **accountability** for human material for transplantation and its **traceability**;

Governments are responsible

2. REQUESTS the Director-General:

(2) to promote international cooperation so as to **increase the access** of citizens to these therapeutic procedures;

(3) to **provide**, in response to requests from Member States, technical **support for developing suitable transplantation** of cells, tissues or organs, in particular by facilitating international cooperation;

2010

WHO Guiding Principles on Human Cell, Tissue and Organ Transplantation

GP 5 Free donation and no purchase of human transplant as such,

- WHA63.22

(3) to oppose the seeking of financial gain or comparable advantage in transactions involving human body parts, organ trafficking and transplant tourism, including by encouraging **healthcare professionals to notify relevant authorities** when they become aware of such practices in accordance with national capacities and legislation;

Professionals reporting to authorities

Donor

Process

Recipient

GP 10 Monitoring long term outcomes. Quality and safety of procedures and products

GP 11 Transparency, openness to scrutiny, anonymity



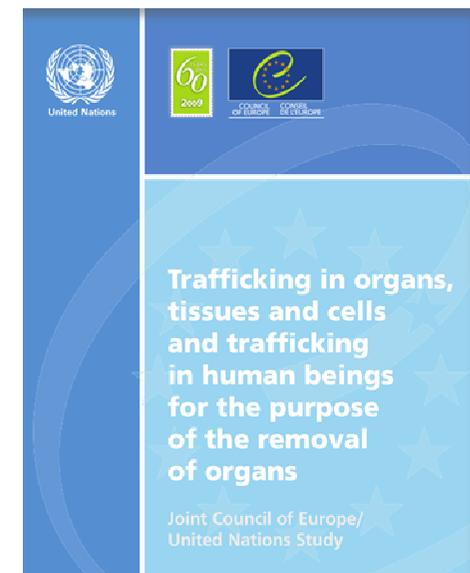
2009

Joint Council of Europe/United Nations Study

- Prohibition of making financial gain with the human body and its parts as such.
- Identifies the difference between trafficking in human body parts and trafficking in human beings for the procurement of human body parts.
- Recognizes the need for an international binding legal instrument that would prohibit trafficking in human body parts.

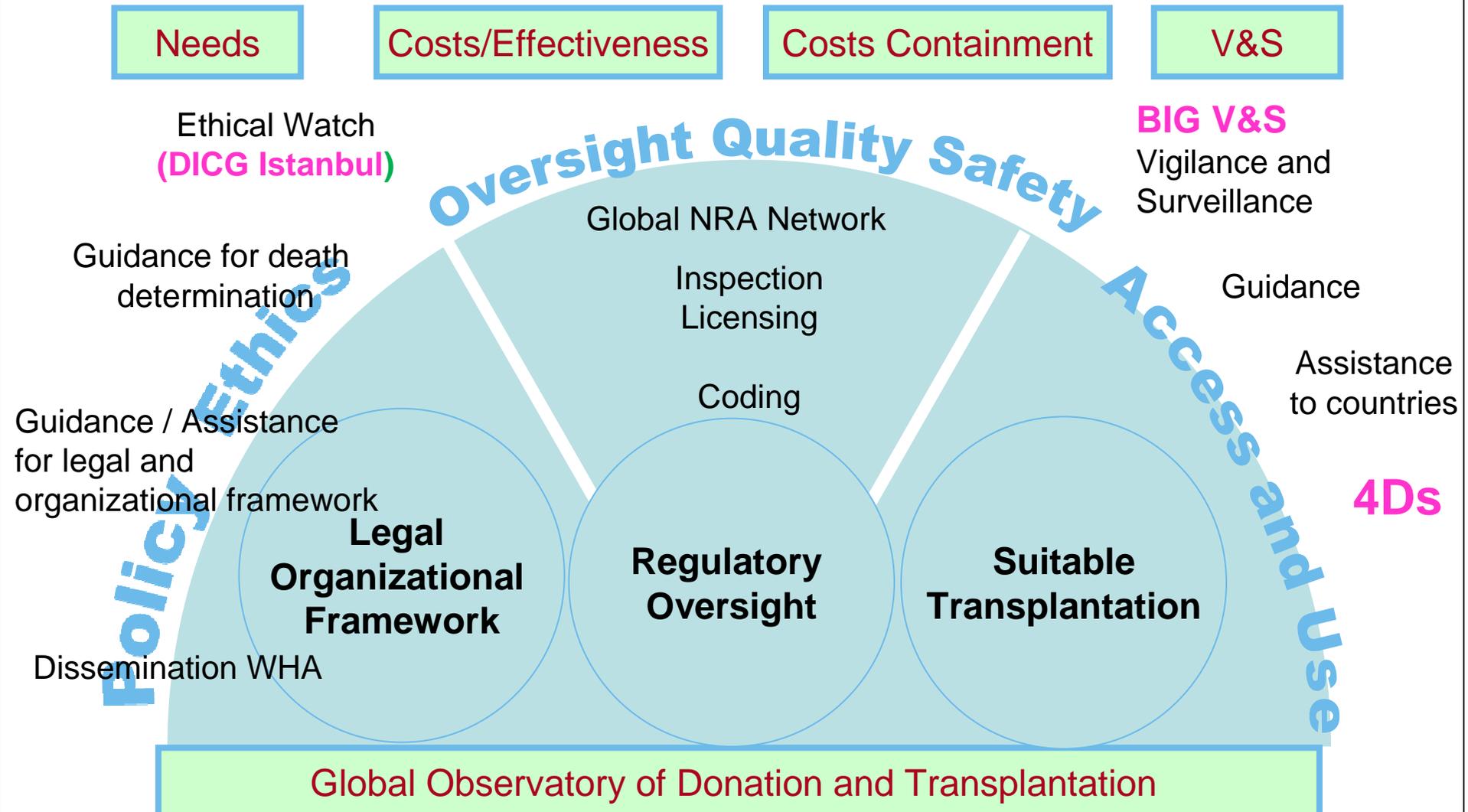
Trafficking in cells, tissues and organs:

1. Financial gain on the human body and its parts as such
2. Absence of consent of the donor
3. Donation and transplantation operating outside of approved domestic system



2011-2013

WHO Plan of Work on Transplantation



2011-2013

Evidence WHO Plan of Work on Transplantation



**Four Informative networks:
Scientific and Professional Societies
and Governmental Agencies**

**The GODT
Activities and practices
Legal and Organizational Frameworks
WHO – ONT
WBMT**

Global Observatory of Donation and Transplantation



1. URGES Member States:

(2) to cooperate in the formulation of recommendations and guidelines to **harmonize global practices** in the procurement, processing and transplantation of human cells, tissues and organs, including development of minimum criteria for suitability of donors of tissues and cells;

2. URGES Member States:

(5) to improve the **safety and efficacy** of donation and transplantation by **promoting international best practices;**

(6 to **strengthen national and multinational authorities** and/or capacities to provide oversight, organization and coordination of donation and transplantation activities, with special attention to maximizing donation from deceased donors and to protecting the health and welfare of living donors with appropriate health-care services and long-term follow up;

2. URGES Member States:

(7) to **collaborate in collecting data including adverse events and reactions** on the practices, safety, quality, efficacy, epidemiology and ethics of donation and transplantation;

(8) to encourage the implementation of **globally consistent coding systems** for human cells, tissues and organs as such in order to facilitate national and international **traceability** of materials of human origin for transplantation;

WBMT/WHO Collaboration Plan

- **Activity 1 - International data gathering and publication**
- **Activity 2 - Promotion of Access to HSCT - Donation**
- **Activity 3 - Promotion of Access to HSCT - Transplantation**
- **Activity 4 - Provision of Expert Advice to WHO**
- **Activity 5 - Vigilance and Surveillance of HSCT**

Transplantation in Health Systems Building Blocks

Solidarity

Social justice

Universal access

Multisectoral action

Community participation

PHC values and principles





Thank you



**World Health
Organization**

