

SHARE YOUR HEALTH  
AND VITALITY WITH  
SOMEONE IN NEED



# Organ and Tissue Donation and Transplantation In Canada

## *'What's New'*

*Presentation to ORNAC*

*Tracy Brand*

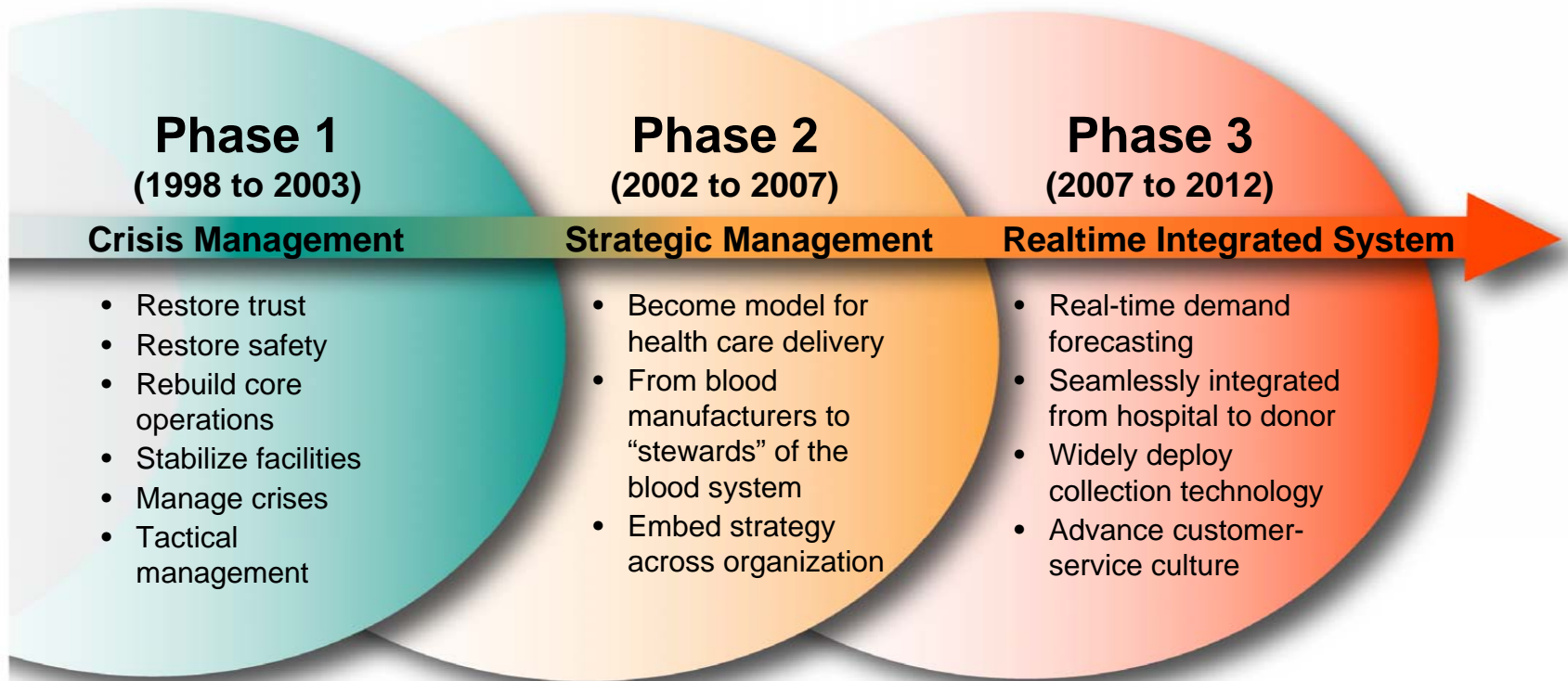
*Director, Canadian Blood Services*

*June 11, 2009*



**Canadian Blood Services**  
*it's in you to give*

# History of Canadian Blood Services



Canadian Blood Services founded in 1998 as the successor organization to the Canadian Red Cross, as a result of the tainted blood scandal

Canadian Blood Services has transformed the legacy operations of the Canadian Red Cross into a national integrated service-delivery organization focused on quality and service excellence

# Today, More Than Blood Collection ...

**Blood Operations:** Recruit donors, collect, process, test, distribute blood components

**Plasma Program:** Collect plasma, custom fractionation, purchase and distribute plasma protein products

**Related Programs:** Education, R&D, clinical consultation

**OneMatch Marrow and Stem Cell Network:** Linked to 51 other registries worldwide, emerging umbilical cord blood bank

**Diagnostic Laboratories**

**Insurance Captive:** Wholly owned subsidiary

**CBS Foundation:** To support and extend the mission of CBS

**890,000 Whole Blood Donors**

**52,000 Plasma Donors**

**32,000 Platelet Donors**

**450,000 Active Donors**

**220,500 OneMatch Registrants**

**732 Health Care Facilities Served**

**4,500 Employees**

**19,600 Volunteers**

**\$890 Million Annual Budget**

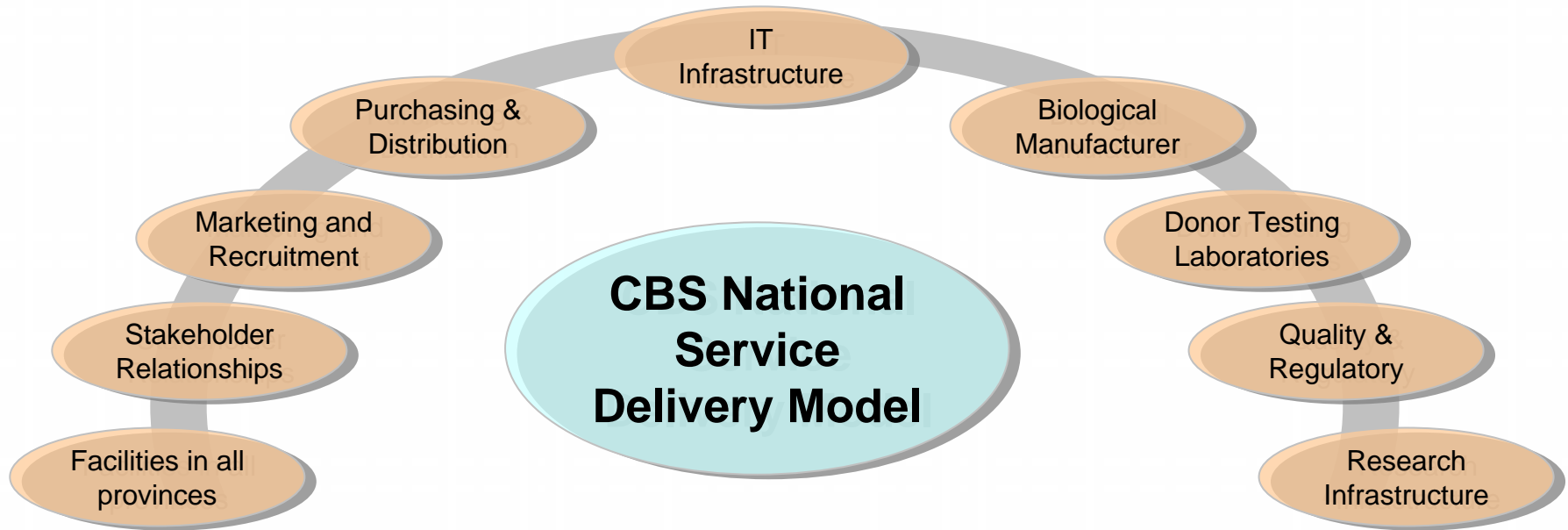


# New OTDT Mandate

Aug 2008, Canadian Blood Services was given a mandate by FPT Deputy Ministers of Health (except Québec) for national services for organ and tissue donation and transplantation:

- Continue work developing policies and knowledge translation for: leading practices, guideline developments, performance measurement, accreditation, public engagement and awareness
- Develop national registries for living donor paired exchanges, urgent status patients and highly sensitized patients and intent to donate
- Design a system for OTDT in Canada in collaboration with the OTDT community

# Why Canadian Blood Services?



- national, not-for-profit corporation with independent Board of Directors
  - accountable, transparent, with public participation
  - subject to Federal regulations (under Food and Drugs Act)
- P/T Ministers of Health are Members (shareholders) of the corporation
- two wholly owned insurance subsidiaries provide \$1 billion coverage
  - extensive risk management programs embedded

Organ and Tissue Donation and Transplantation

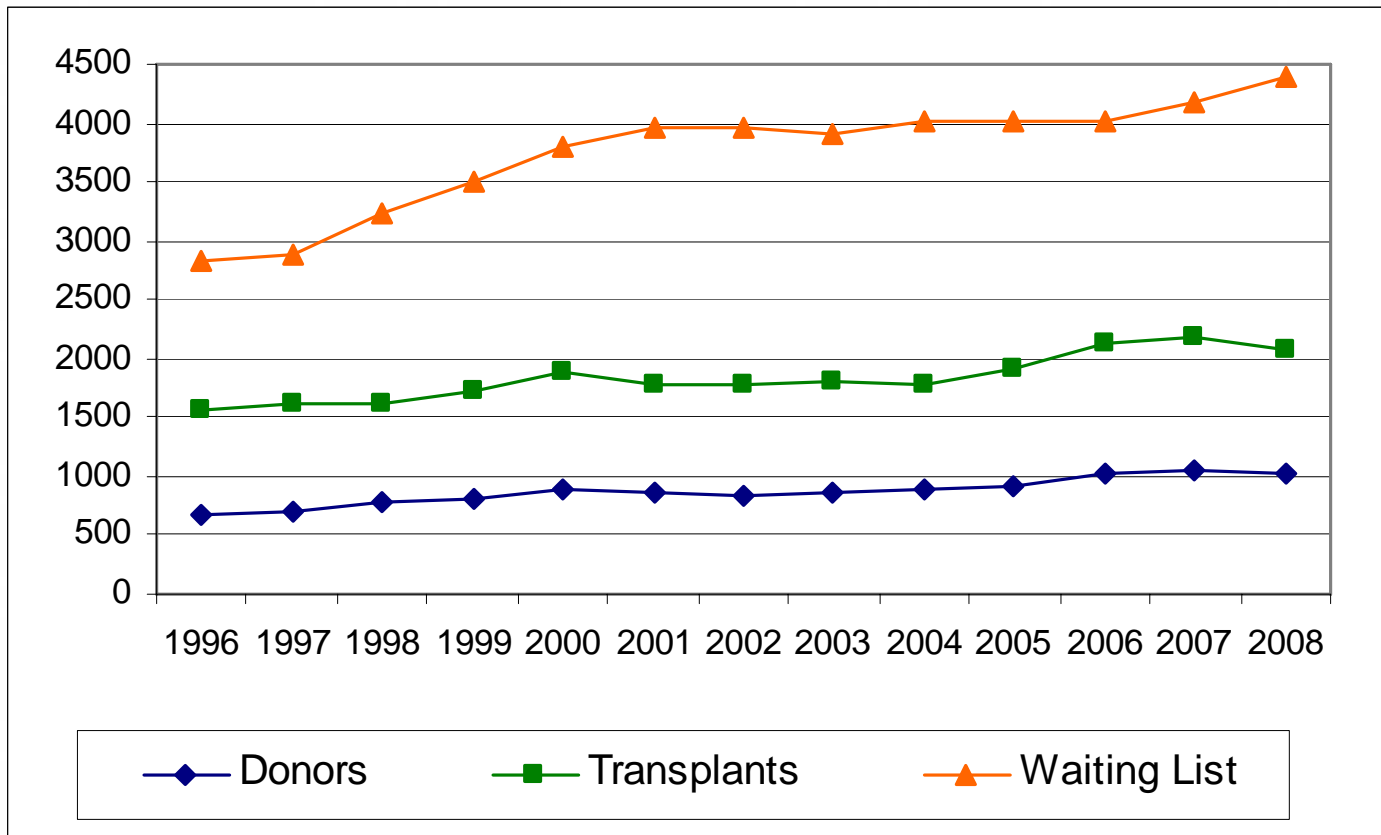
## **Understanding the need**

BLOOD.CA WWW.BLOOD.CA WWW



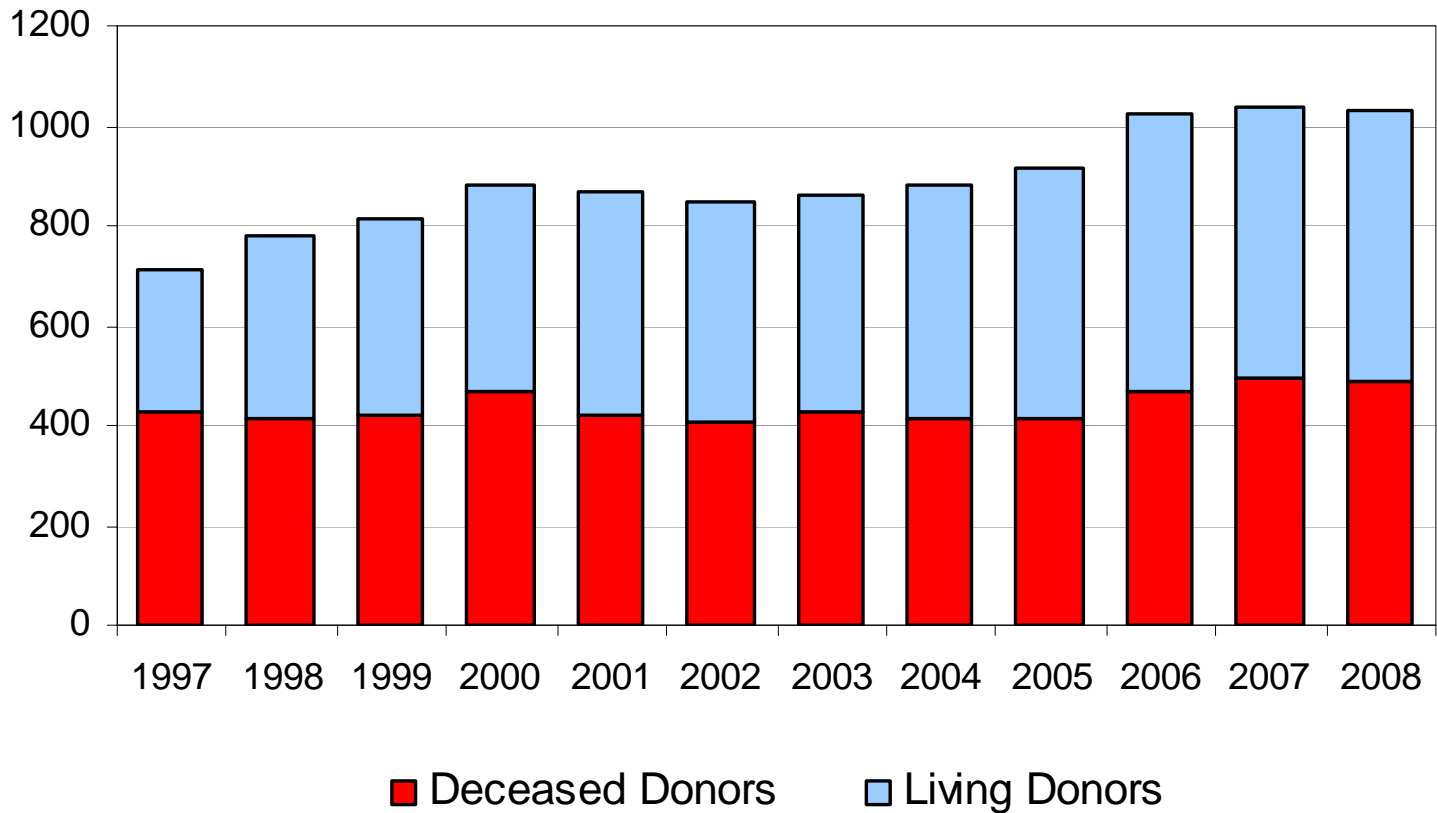
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# System Performance Gaps - Organs



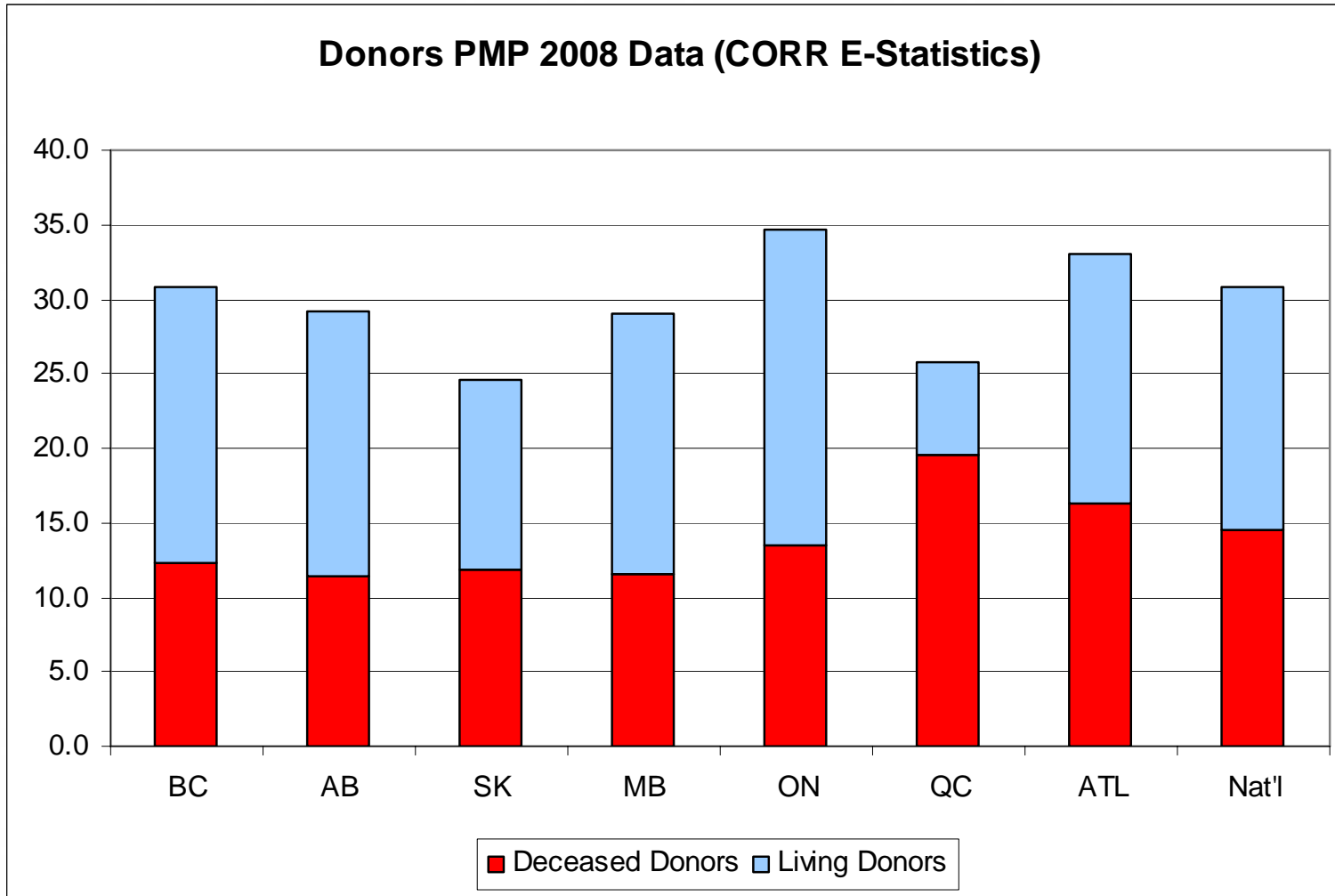
Source: Canadian Organ Replacement Register, Canadian Institute for Health Information (2008)

# System Performance Gaps - Organs



Source: Canadian Organ Replacement Register, Canadian Institute for Health Information

# System Performance Gaps - Organs

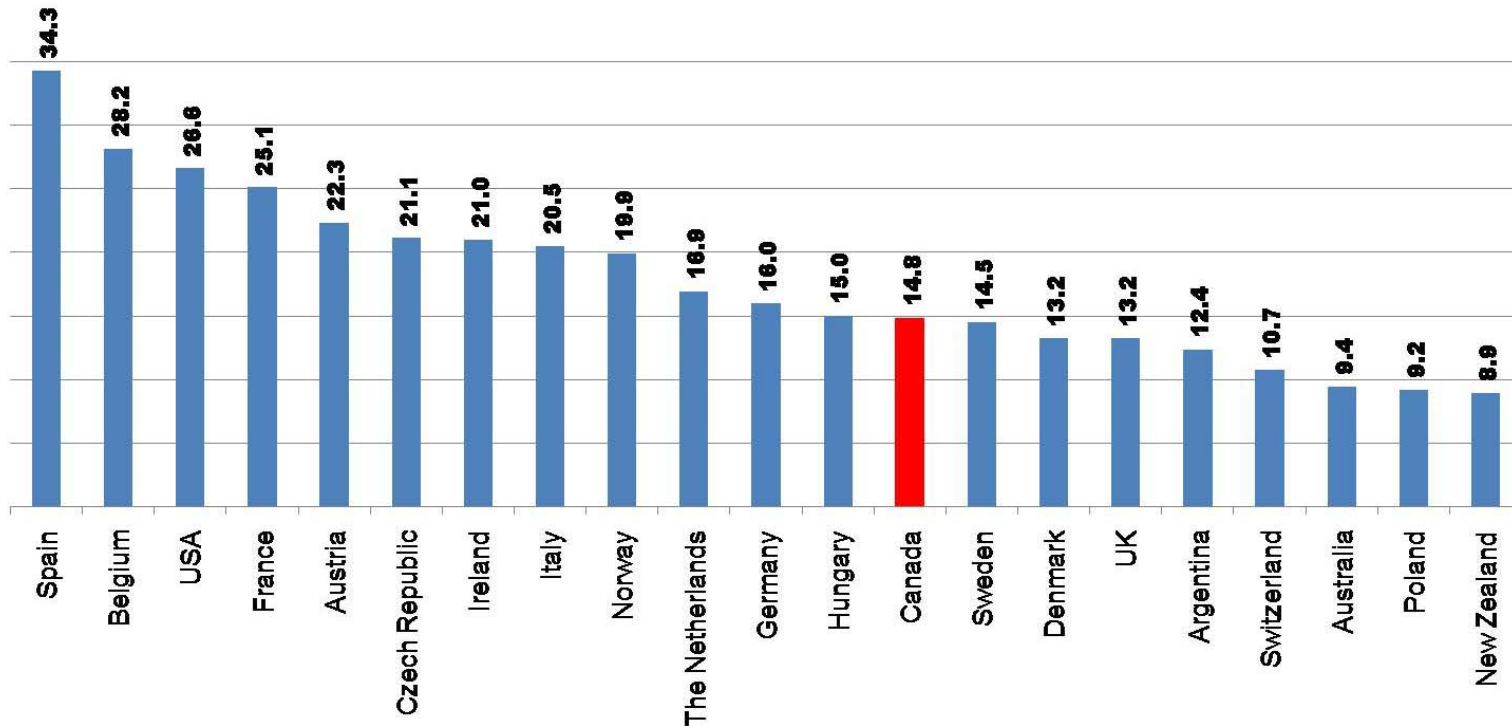


Source: Canadian Organ Replacement Register, Canadian Institute for Health Information



# Canada's Performance Record

International Donor Statistics, 2007 (dpmp)



NOTE: limitation of the DRPM is well recognized; absence of other validated, standardized metrics (e.g. deceased donor referrals, potential donors, procured donors) minimizes their utility

# Addressing Gaps - Tissues

- We import 80-90% of the tissue transplanted in Canada
- Safety of imported products remains a concern
- Lack of capacity to meet full donation potential
- Demand for tissue will continue to increase as the population ages
- Some regions deal with major shortages of some tissues while others have excess
- Specialized products are not manufactured in Canada
- National consolidated data lacking for assessing complete tissue banking risks and priorities



# System Performance Gaps - Tissues

Annual Supply	Surgical/Cancel. Bone	Structural Grafts	Demin. Bone packages	Mineral. Freeze-Dried Bone Packages	Tendons and Soft Tissues	Cardio. Tissues	Skin Grafts/Products	Ocular Tissues	Total
<b>Total Cdn Supply</b>	2,044	1,957	0	?	882	249	2,210	3,387	10,729
<b>Predicted (Shortfall) / Surplus Low-High</b>	(8,731) to (19,105)	(5,123) to (11,337)	(31,565) to (60,973)	(13,518) to (26,924)	(4,312) to (9,005)	(840) to (1,394)	(4,594) to (9,622)	(4) to (1,043)	(68,687) to (139,403)

Source: Canadian Council for Donation and Transplantation

# Organ and Tissue Programs: Facts at a Glance

Organ procurement organizations: 10

All but four are integrated within hospital service

Eye and tissue banks: 28

Three are comprehensive tissue centres (recover and process all tissues including eye)

Organ transplant programs: 60 active

Heart (12)

Liver (9)

Lung (5)

Bowel (3)

Kidney (24)

Pancreas/kidney (7)



# Expectations and Challenges

Complex problems requiring complex solutions for organs and for tissues

- Stakeholders want immediate action, but problems will not be solved quickly
- Stakeholders are tired of being consulted, but further consultations and information needed
- Need to balance requirements for tissue programs which are often under-estimated

High and divergent stakeholder expectations

- Roles of OPOs contentious
- Role of Canadian Blood Services contentious
- Different opinions of priorities



# Expectations and Challenges

## Appropriate levers needed for system wide improvement

- enabling legislation
- activity based reimbursement
- performance targets, accountabilities and required reporting
- peer review, audit

## Commitment from relevant levels of government

- financial support – current funding provided is only start of what is needed and goes beyond CBS funding
- support required for redefinition of roles and responsibilities for OTDT stakeholders



Organ and Tissue Donation and Transplantation

## **Building Together**

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# Current Mandate – OTDT System Design

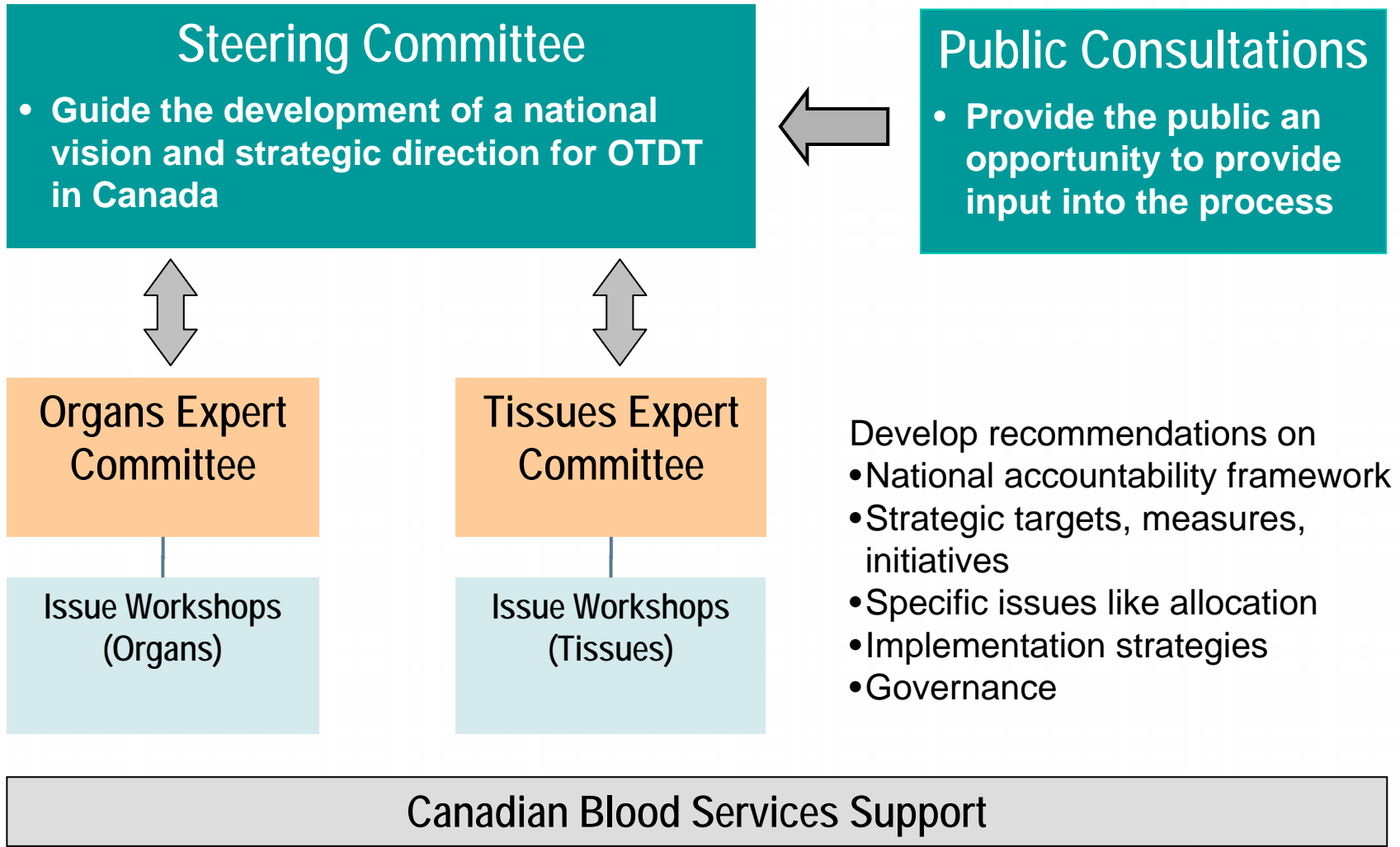
Based on input from the National stakeholder consultation held in September 2008, we are moving forward to design a Canadian OTDT system, in collaboration with the OTDT community

## Goals:

To design a Canadian system that defines clear roles & responsibilities, and clear accountabilities to improve organ donor rates, and patient access and outcomes in all jurisdictions

To present a practical, fundable plan, that is supported by the OTDT community, to the Deputy Ministers of Health

# Committee Structure



# Current Mandate - Registries Update

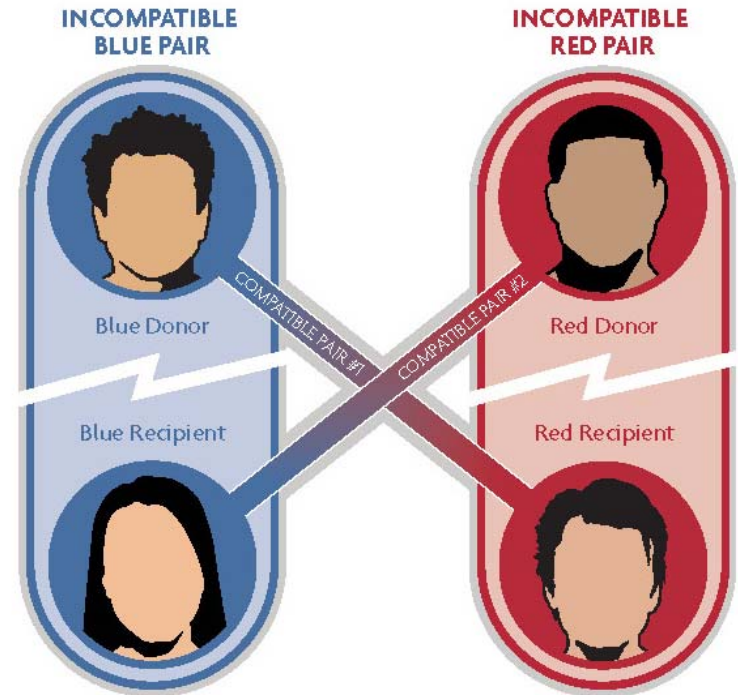
## Living Donor Paired Exchange:

Pilot Complete: Vancouver, Edmonton, and Ontario Centres

Media Launch Feb 2009 in Ottawa: CST President participating

In Match Cycle 2: 27 pairs (2 Anonymous Donors) – 2 possible 4 pair dominos, working through logistics (e.g. crossmatches, etc)

Roll out to rest of country in progress



## Highly Sensitized and Urgent Status Registries:

Currently building the business case

Beginning consultations with stakeholders (Surgeons, Physicians, Coordinators, OPOs)

# Current Mandate – Leading Practices

## **Canadian Collaborative**

Working with hospital teams from across Canada to share and implement best practices to dramatically improve donation rates:

Atlantic Canada; Manitoba; held in March 2009

Collaborative event co-sponsored with Québec Transplant and Ontario's Trillium Gift of Life; May 1 & 2, 2009

Saskatchewan; June 2009

Alberta and British Columbia: workshops to be held Fall 2009

## **Allocation and Utilization of Organs**

Working with stakeholders to determine the core components of an allocation system, including governance, policies, principles, listing criteria

# Current Mandate – Leading Practices

## **System Performance Measures**

To develop indicators and measures of system performance in partnership with CORR/CIHI, Accreditation Canada, International Society for Organ Donor Procurement and the International Transplant Society

## **OTDT Costing**

To determine recommended economic policy options for improving donation in Canada

## **Public Awareness**

Intent to Donate Registries analysis

Understand intent to donate and public perception

# Current Mandate – Leading Practices

## **Recommendation Reports Follow-Up:**

Donation after Cardiocirculatory (DCD) Workshops

Severe Brain Injury to Neurological Determination of Death – Brain Blood Flow meeting and follow up: Spring 2009

Enhanced Live Donation: Reimbursement for Living Donors

## **Accreditation**

Supporting development of:

Donation Standards for EDs, ICUs, and Donation Hospitals

Transplantation Standards for Transplant Hospitals

Living donation standards

## **Canadian Tissue Scan**

As requested in the September National Consultation, CBS will be conducting surveys and a series of interviews to describe the current state of tissue banking, and tissue supply and demand in Canada

# Tissue Surveys

To support equitable access to safe high quality allograft tissue we need to understand supply and demand

To that end we will be reaching out to hospitals across the country and specifically to operating room managers and nurses as the gatekeepers

Survey has been developed to quantify the demand for, and utilization of, allograft tissue - deployment late May

We are counting on the OR community to provide us with their insight and knowledge in relation to demand and utilization

We can then begin to design the system to support demand, increase allograft self sufficiency and ensure Canadian patients have equitable and appropriate access to the allografts they need



# Going Forward

Commitment to work in partnership with national societies and organizations involved in organ and tissue donation and transplantation services including:

- Canadian Society of Transplantation
- Canadian Critical Care Society
- Canadian Association of Critical Care Nurses
- Operating Room Nurses Association of Canada
- Canadian Association of Emergency Physicians
- Canadian Dental Association
- Kidney Foundation of Canada
- Canadian Institute for Health Information



# Building Together

**Together we will build the best  
national service delivery model  
for patients**



Questions?

**THANK YOU.**

