

MEDICAL STUDENTS FOR TISSUE PROCUREMENT, AN EXPORTABLE MODEL?

A 10-YEAR EXPERIENCE

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Objective:

To describe tissue donation activity in University Hospital Vall d'Hebrón from 2004 to 2014 performed by medical students under senior Coordinators supervision

But first... why is it important?



...and why are we different ?

- 3rd- 6th year medical students
- In-hospital tissue coordinators (Tc)
- 24h/365 days schedule
 - Evaluating all deaths on hospital everywhere at anytime
- Senior transplant coordinator on-call (sTC)



So, our duty is:

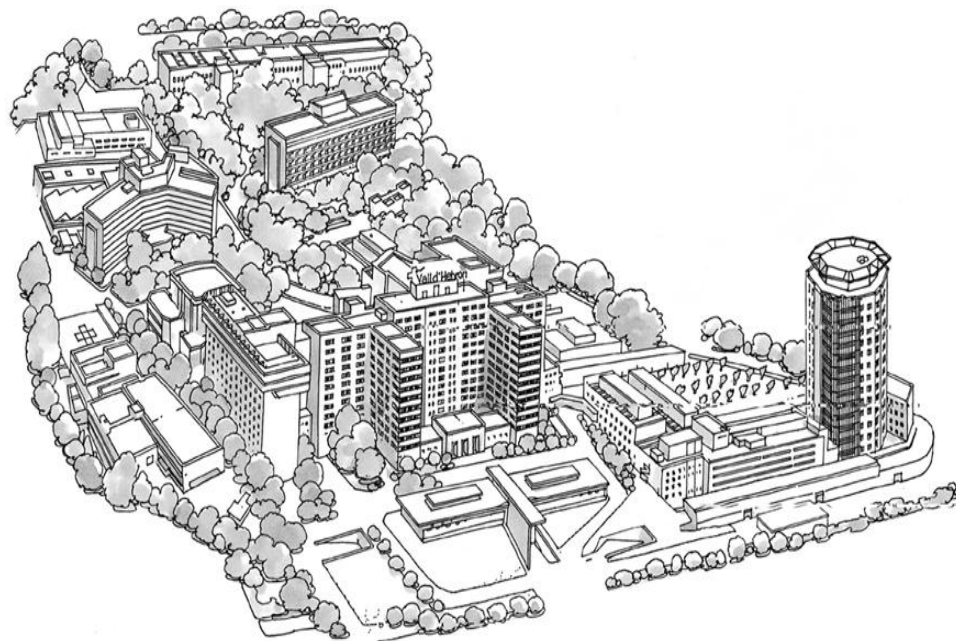
- **Tissue donation:**
 - Detection
 - First Evaluation
 - Family Approach
 - Retrieval Organization.
- **Organ donation:**
 - Support to sTC
- **Research collaboration**



Methods

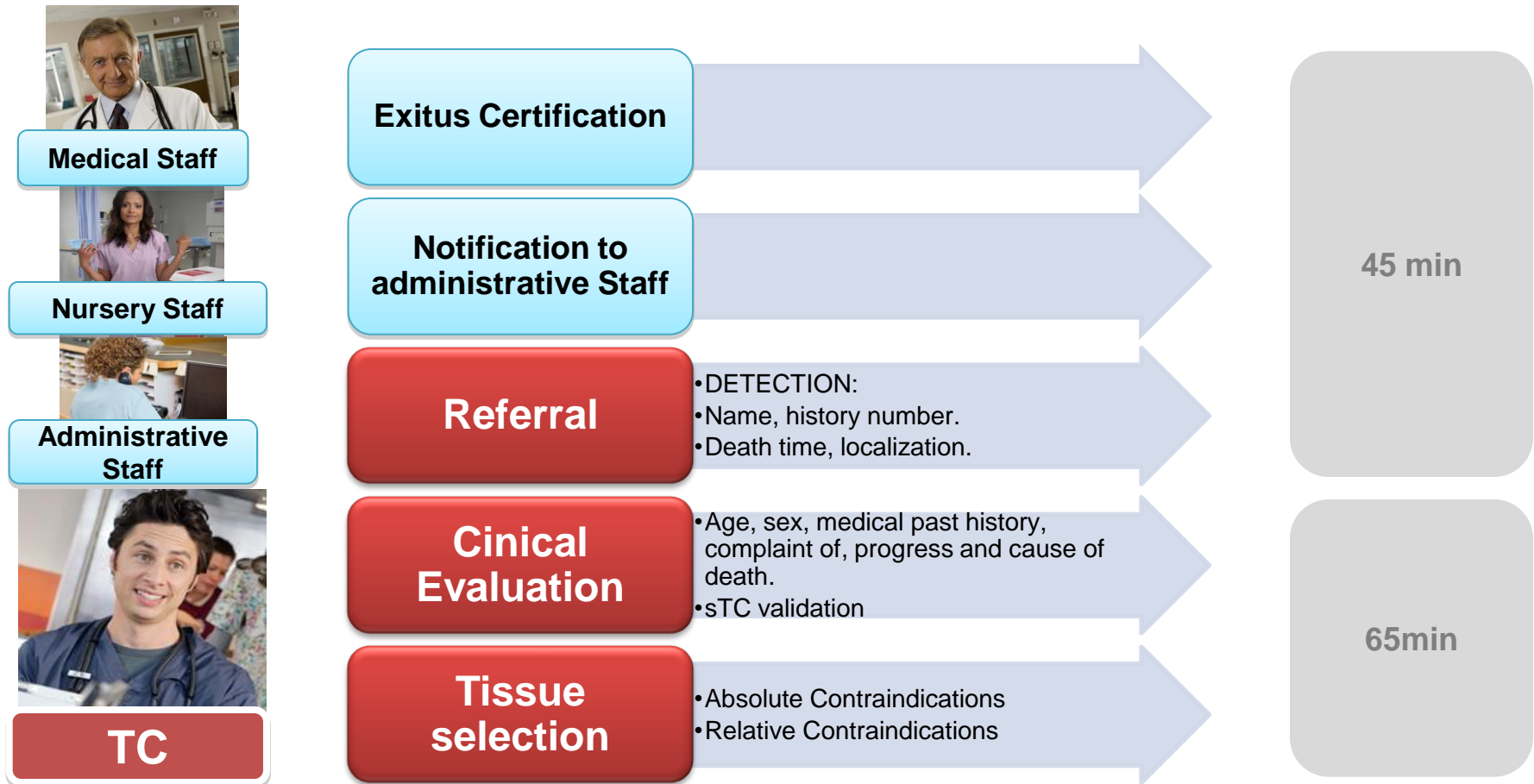
- Prospective evaluation of all hospital deaths from 2004-2014.
- Specific Organizational Model...

Beds	1110
Staff	7178
Emergencies	193773
Operations	50575
Solid Organ Trasplant	245
Hospital discharges	66310
Èxitus	1927
Organ donors	30 (68 pmp)
Badget (2014)	511 milions €
Reference Inhabitants	411.227 habitants

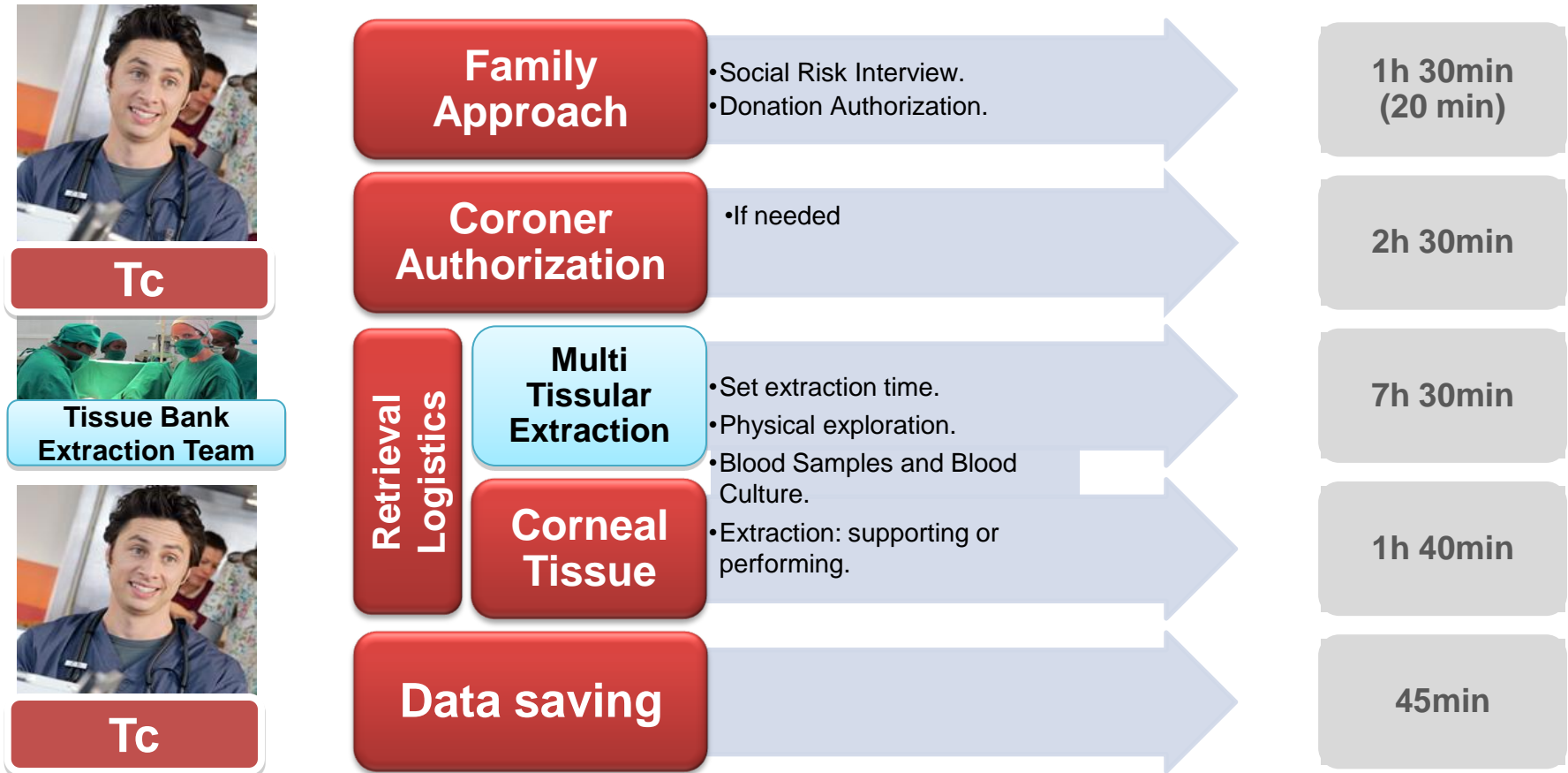


Organizational Model:

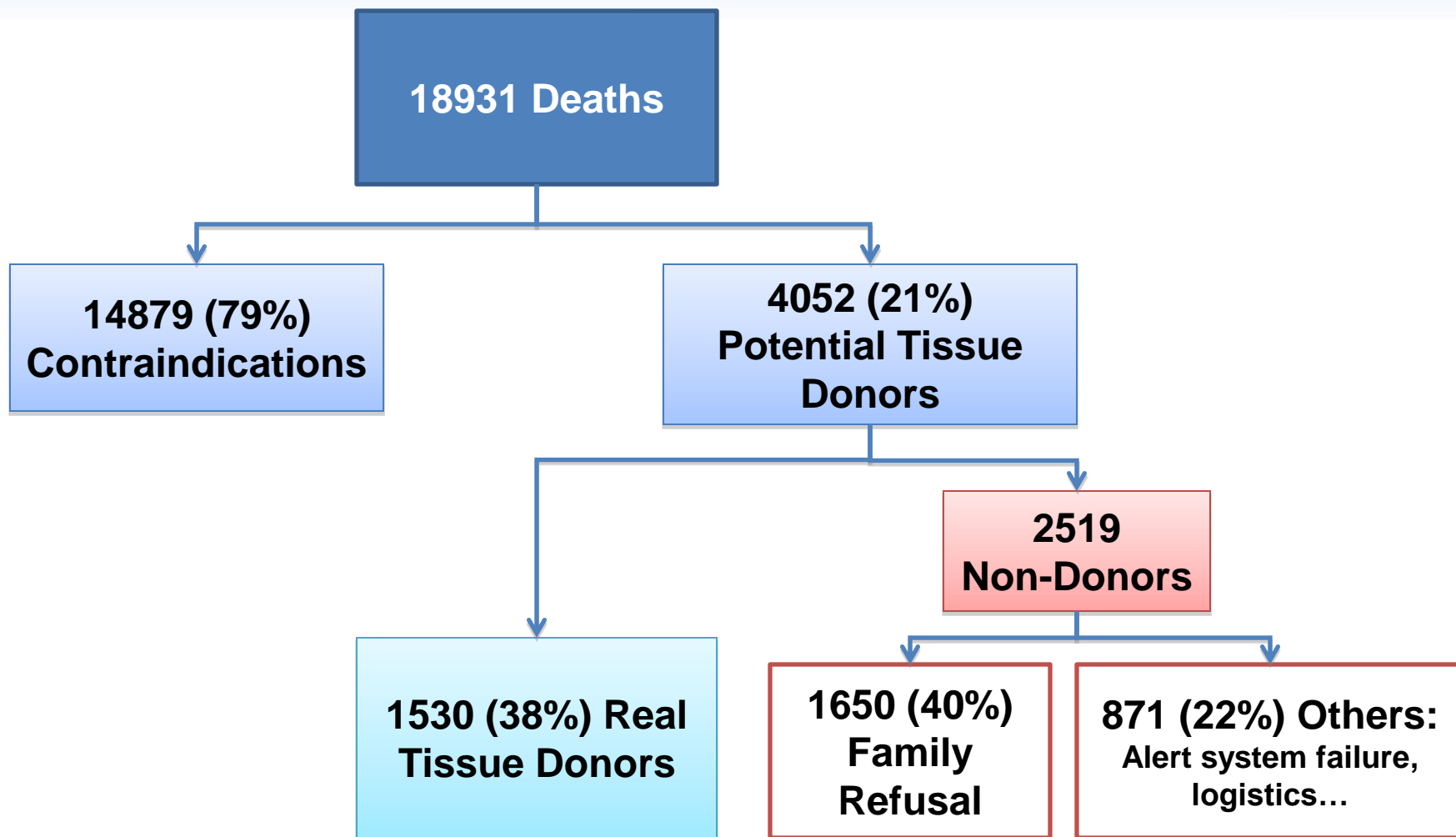
Tissue donation integrated in death protocol:



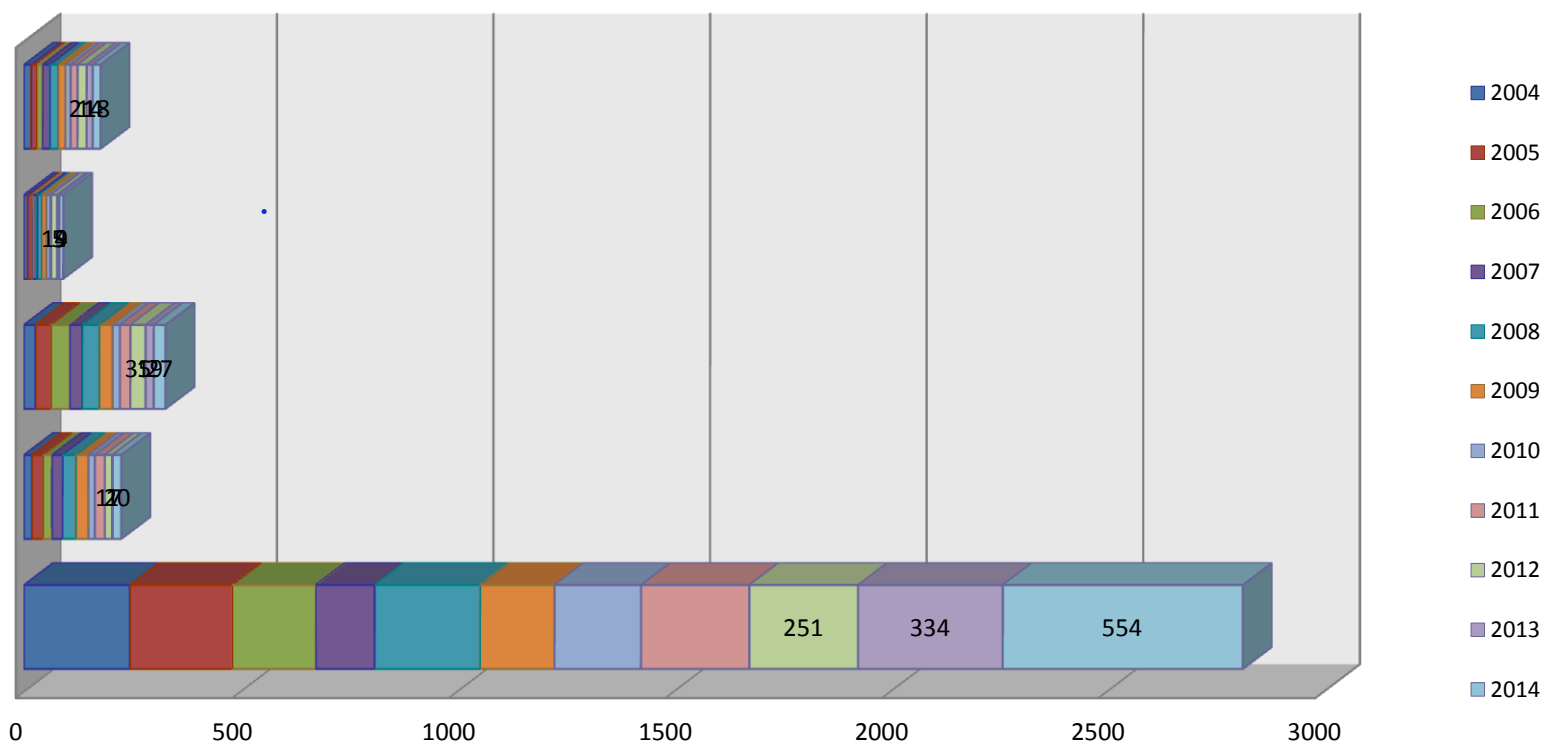
Organizational Model:



Results: Tissue donation potentiality (2004-14)

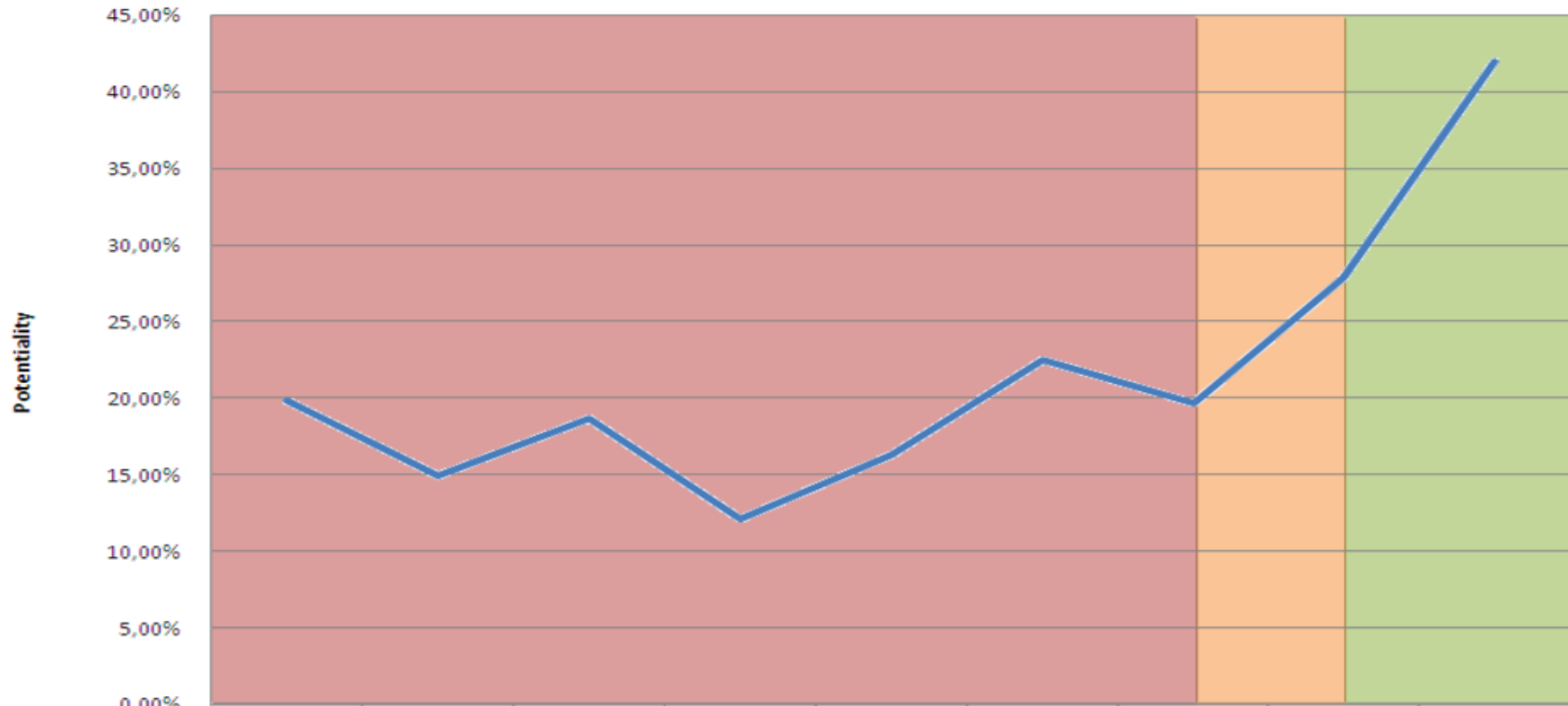


Results: Tissue retrieval



Results: Corneal Tissue Potentiality

Donor Potentiality



	2006	2007	2008	2009	2010	2011	2012	2013	2014
Potentiality	19,86%	14,95%	18,70%	12,16%	16,35%	22,50%	19,64%	27,89%	43%
Age Limit (Years)	80	80	80	80	80	80	80/85 (July)	85/90 (Nov)	90

The selection criteria of cornea, vessels, skin and bone are based on the recommendations of the Spanish Association of Tissue Banks (AEBT). However, the age limitation criteria could vary significantly depending on the needs of the tissue bank at a given moment



Conclusions

- 1 out of 4 deaths could be a tissue donor in Vall d'Hebrón University Hospital

MODEL'S STRENGTHS:

- Evaluation of all deaths everywhere at anytime
- Cost-effective

MODEL'S WEAKNESSES:

- High staff turnover, every 1-2 years
- Difficulties in our duty recognition from other professionals

My own experience:

- Hospital's real life immersion
- Formation;

Communication on critical situations

Research

- Impact on donation consciousness on
Medicine Faculty

Thank you for your attention

