



Organ Donation and Transplantation:

The Spanish Model

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Organización Nacional de Trasplantes



Global activity in organ transplantation

Estimations 2021

Kidney	Liver	Heart	Lung	Pancreas	S. bowel
92 532	34 694	8 409	6 470	2 025	172

≈ 144 302 solid organ transplants

≈ 11.3% increase vs 2020

≤ 10% of global needs

38 % living kidney transplants

23% living liver transplants

38 156 deceased donors (29 611 DBD and 8 545 DCD donors)

The Madrid Conference

The Madrid Resolution on Organ Donation & Transplantation

National Responsibility in Meeting the Needs of Patients
Guided by the WHO Principles

Every country, in light of its own level of economic and health system development, should progress towards the global goal of meeting patients' needs on the basis of resources obtained within the country, for that country's population, and through regulated and ethical regional or international cooperation when needed.

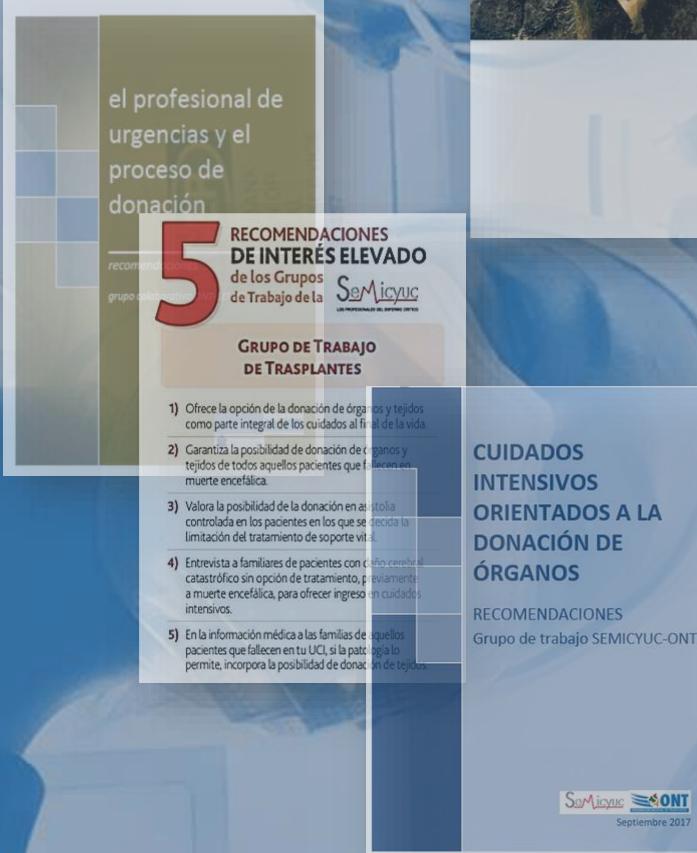
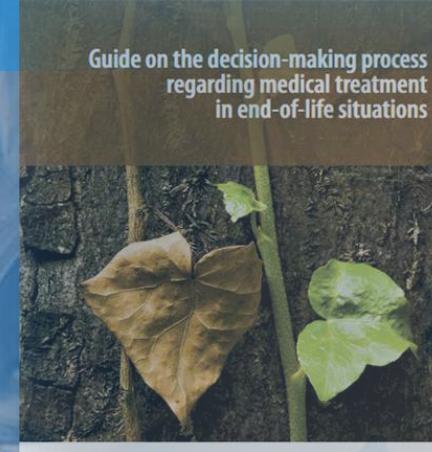
Donation from deceased persons, as a consequence of death determined by neurologic criteria (brain death) or by circulatory criteria (circulatory death), was affirmed as the priority source of organs and as having a fundamental role in maximizing the therapeutic potential of transplantation.



World Health Organization



on Organ Donation and Transplantation



el profesional de urgencias y el proceso de donación

5 RECOMENDACIONES DE INTERÉS ELEVADO de los Grupos de Trabajo de la SEMICYUC

GRUPO DE TRABAJO DE TRASPLANTES

- 1) Ofrece la opción de la donación de órganos y tejidos como parte integral de los cuidados al final de la vida.
- 2) Garantiza la posibilidad de donación de órganos y tejidos de todos aquellos pacientes que fallecen en muerte encéfalica.
- 3) Valora la posibilidad de la donación en asistolia controlada en los pacientes en los que se decide la limitación del tratamiento de soporte vital.
- 4) Entrevista a familiares de pacientes con daño cerebral catastrófico sin opción de tratamiento, previamente a muerte encéfalica, para ofrecer ingreso en cuidados intensivos.
- 5) En la información médica a las familias de aquellos pacientes que fallecen en tu UCI, si la patología lo permite, incorpora la posibilidad de donación de tejidos.

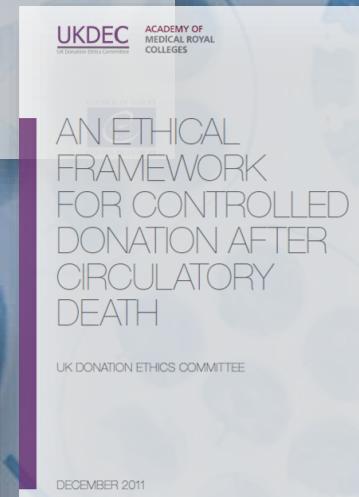
CUIDADOS INTENSIVOS ORIENTADOS A LA DONACIÓN DE ÓRGANOS

RECOMENDACIONES

Grupo de trabajo SEMICYUC-ONT

Septiembre 2017

SEMICYUC ONT



UKDEC
ACADEMY OF MEDICAL ROYAL COLLEGES

AN ETHICAL FRAMEWORK FOR CONTROLLED DONATION AFTER CIRCULATORY DEATH

UK DONATION ETHICS COMMITTEE

DECEMBER 2011

Recommendations for end-of-life care in the intensive care unit: A consensus statement by the American College of Critical Care Medicine

Robert D. Truog, MD, MA; Margaret L. Campbell, PhD, RN, FAAN; J. Randall Curtis, MD, MPH; Curtis E. Haas, PharmD, FCCP; John M. Luce, MD; Gordon D. Rubenfeld, MD, MSc; Cynda Hylton Rushton, PhD, RN, FAAN; David C. Kaufman, MD

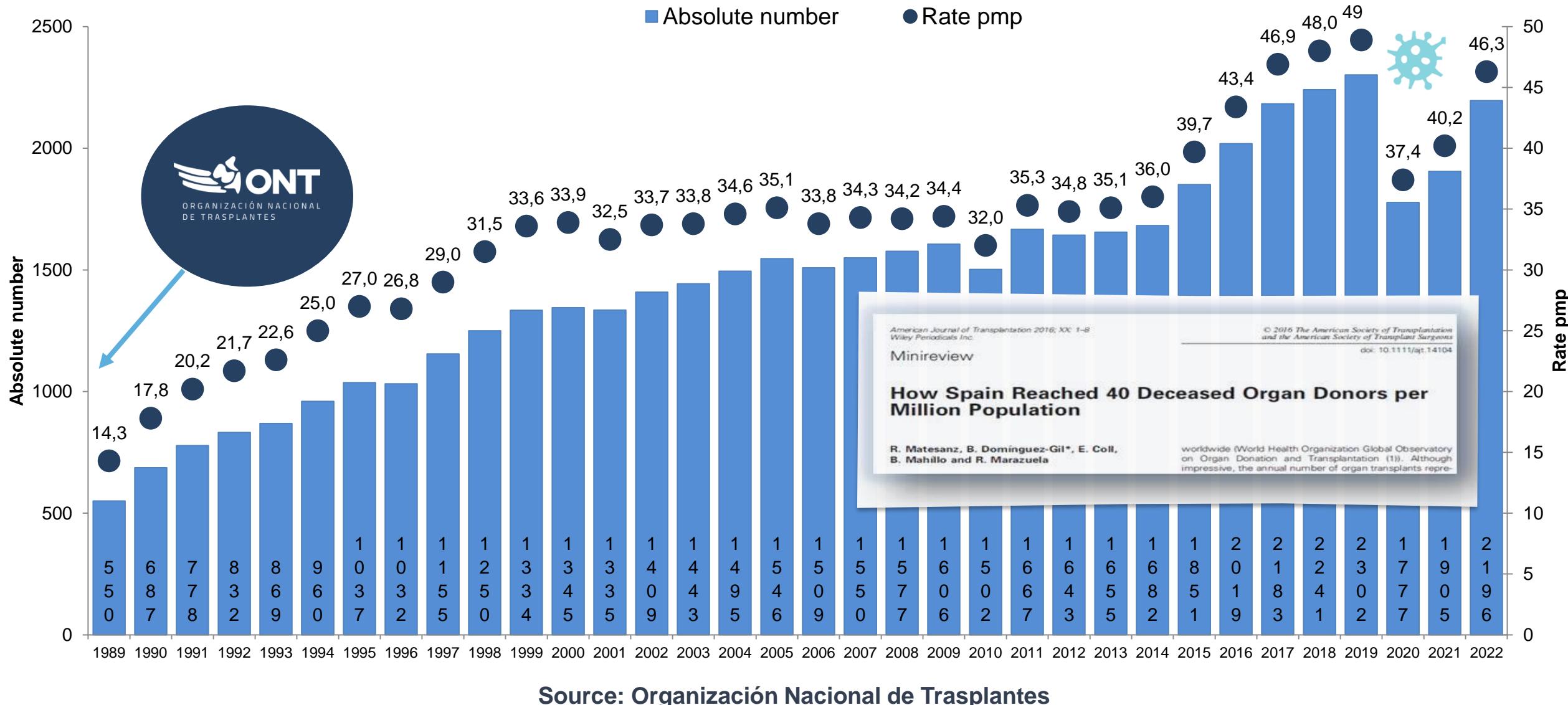
Decision-making at the end-of-life should be based not only on medical criteria, but also on social, moral and welfare considerations

Donation must be a routine component of end-of-life care

WMA STATEMENT ON MEASURES FOR THE PREVENTION AND FIGHT AGAINST TRANSPLANT-RELATED CRIMES



DECEASED DONATION IN SPAIN



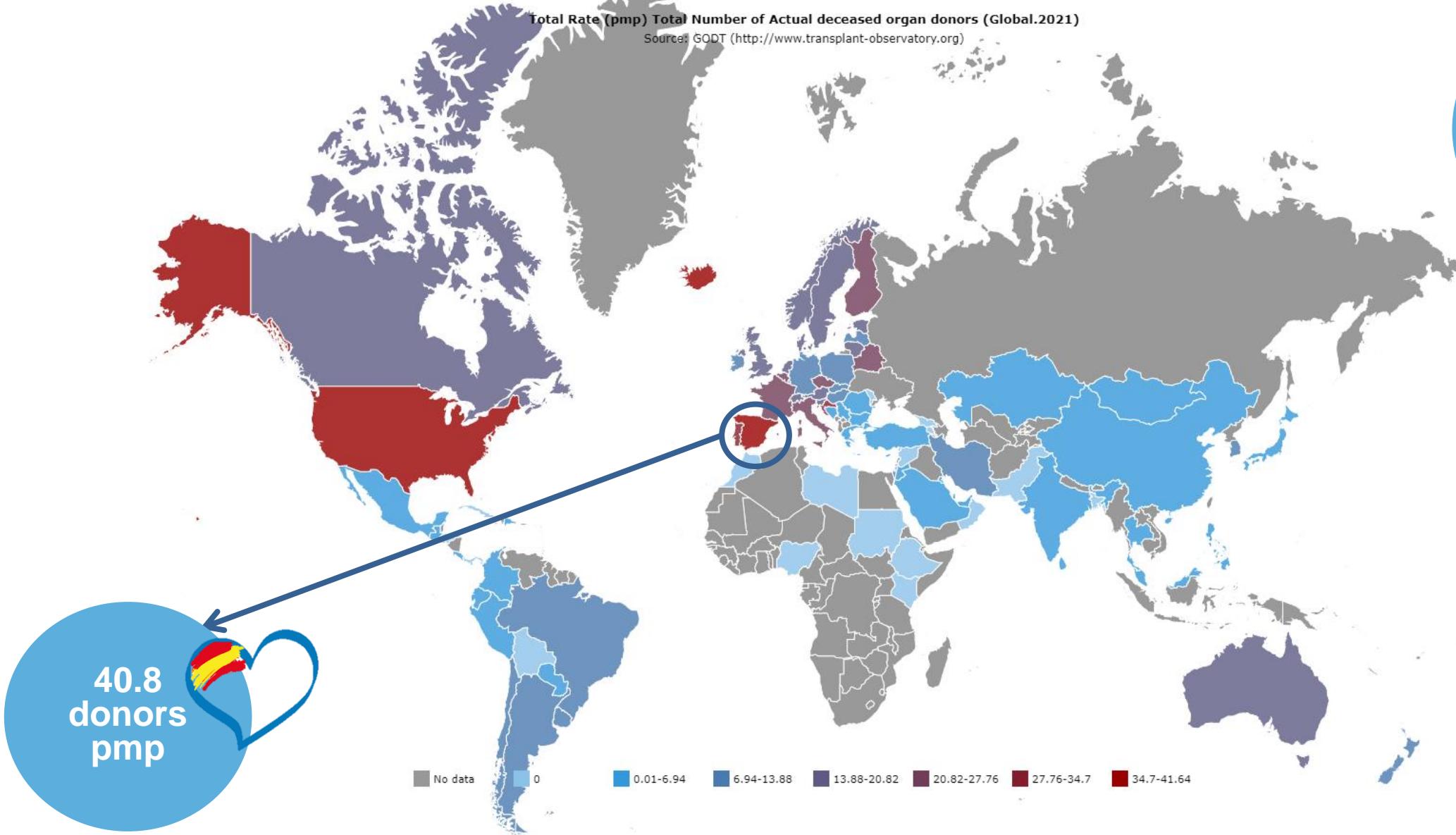


WHO Collaborating
Centre on Donation
and Transplantation

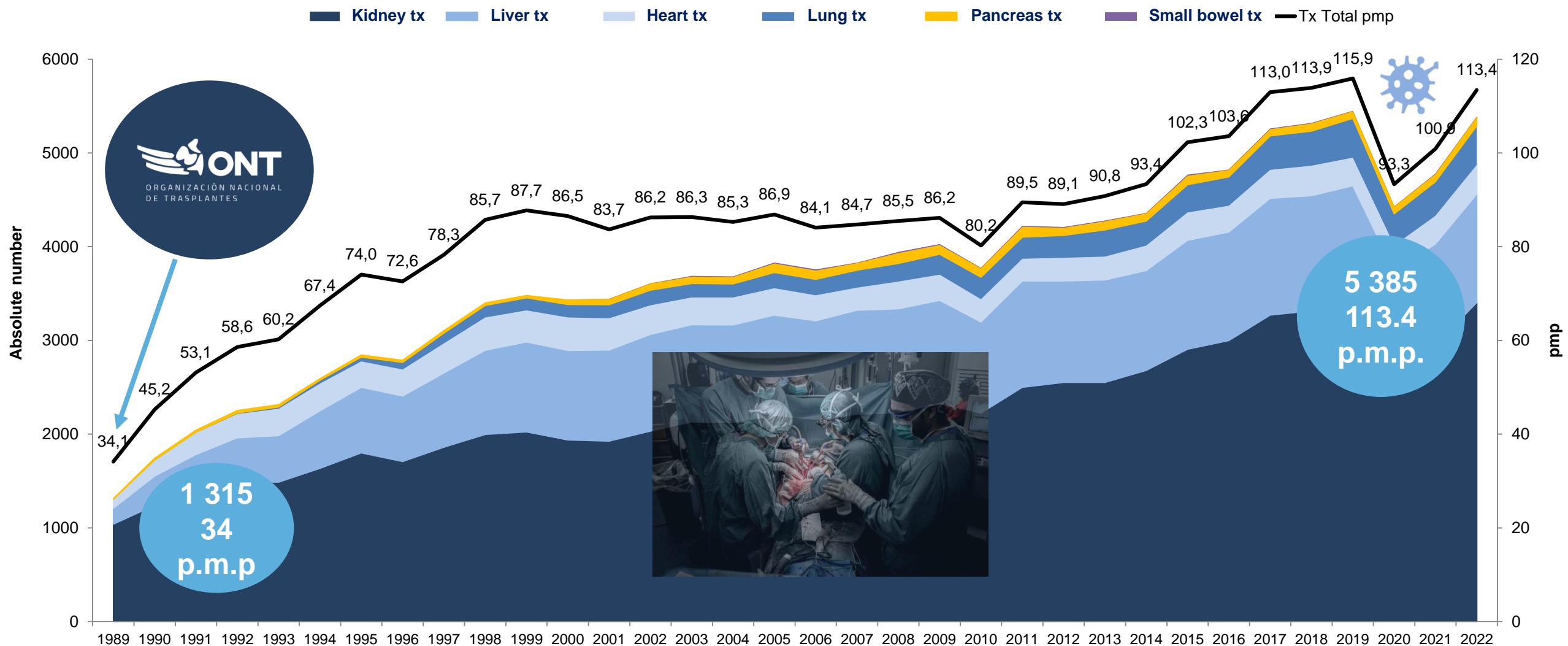


GODT

Global Observatory on Donation and Transplantation



SOLID ORGAN TRANSPLANTS IN SPAIN



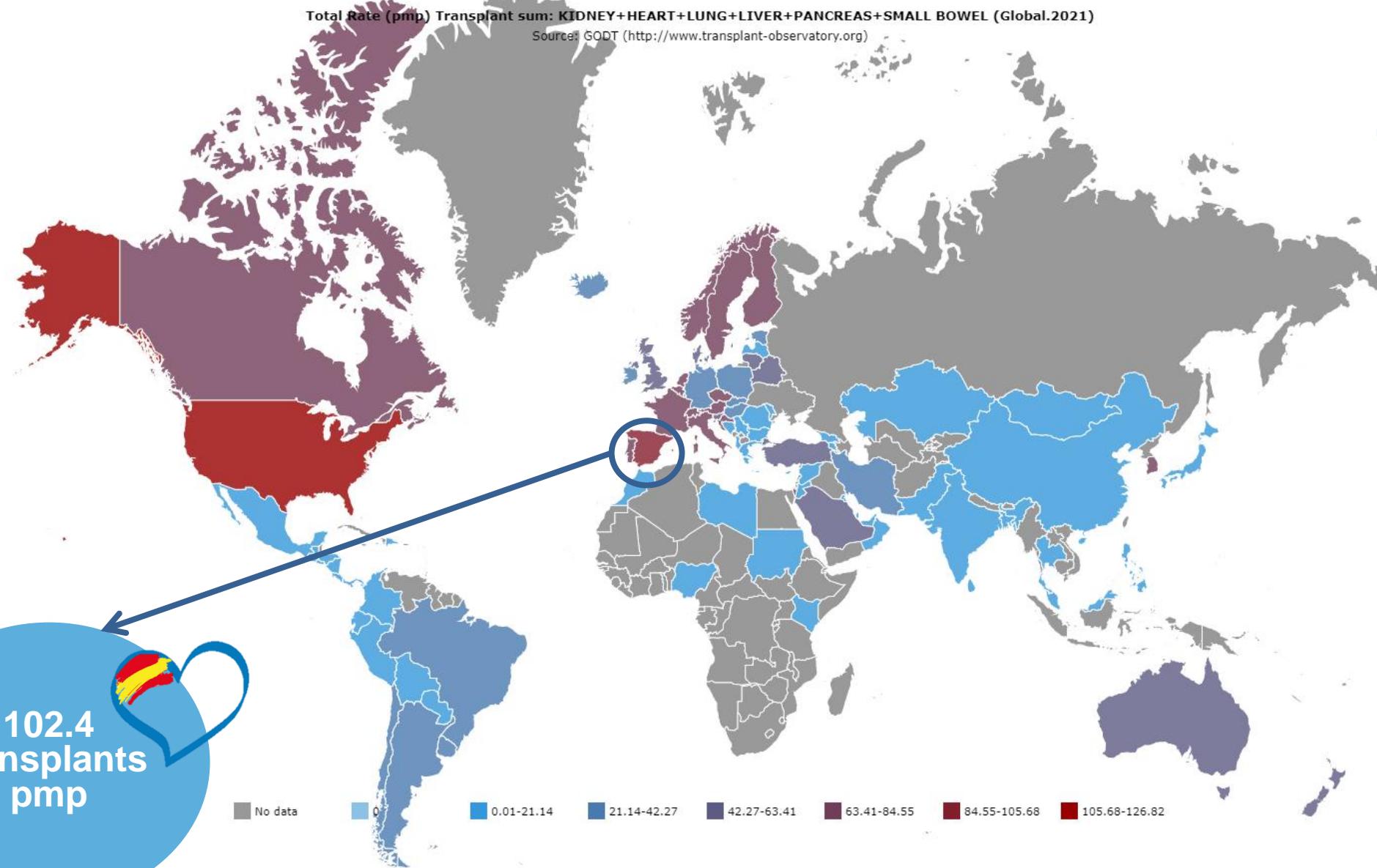


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Centre on Donation
and Transplantation



GODT

Global Observatory on Donation and Transplantation



Fuente: Observatorio Global de Donación y Trasplante

The Spanish Opt-Out System: Policy and Practice



⊕ Donate seems the “normal” option

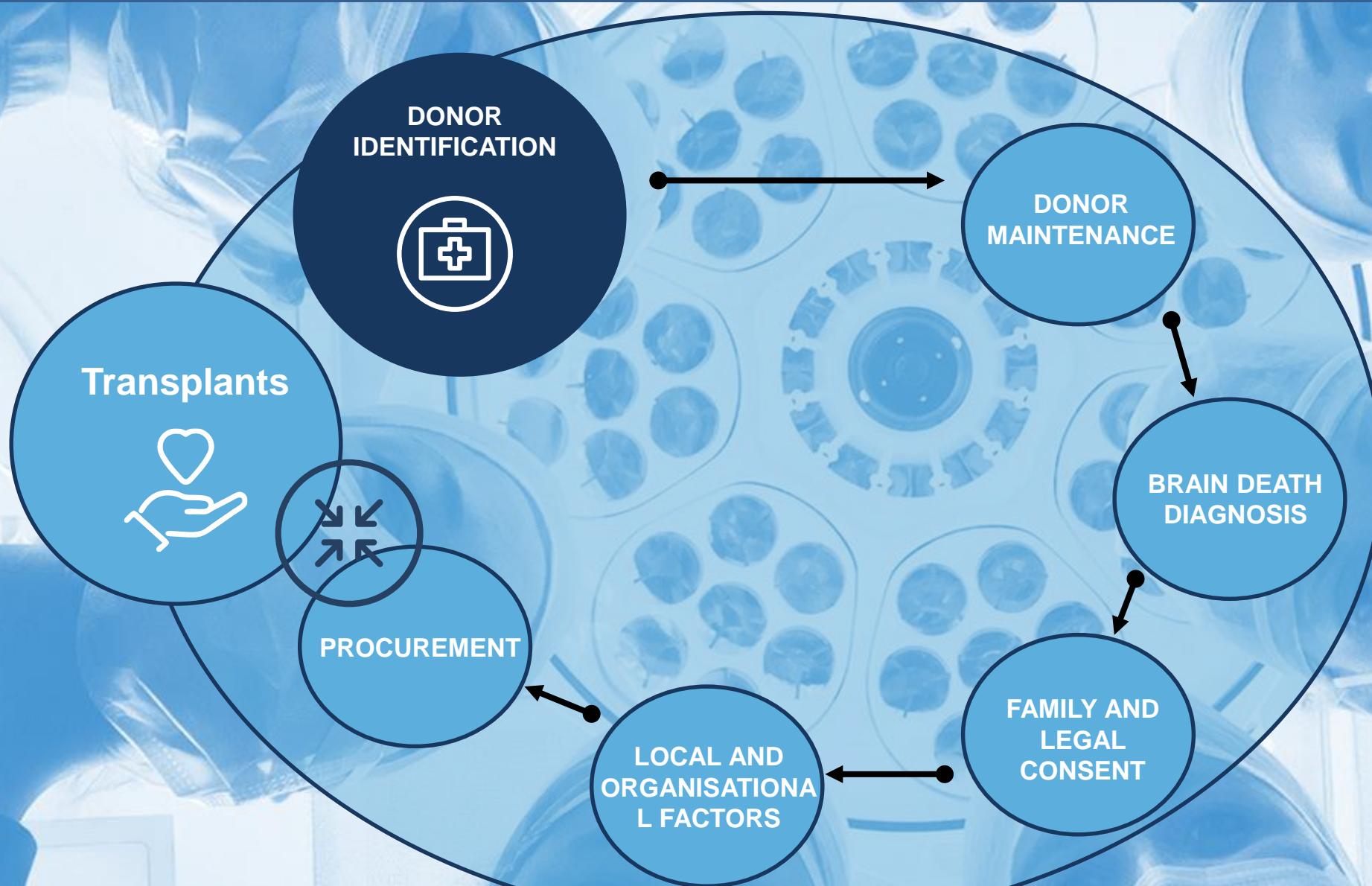
⊖ The State as the “owner” of organs

- ✓ DETAILED IN SECONDARY LEGISLATION (RD 1723/2012)
- ✓ ADVANCED DIRECTIVES REGISTRY
- ✓ RELATIVES ALWAYS APPROACHED
- ✓ THEY ALWAYS HAVE THE FINAL VETO

Issued
1979

The screenshot shows a page from the BOE (Boletín Oficial del Estado) titled "LEGISLACIÓN CONSOLIDADA". It displays the "Ley 30/1979, de 27 de octubre, sobre extracción y trasplante de órganos." (Law 30/1979, October 27, on organ extraction and transplantation). The page includes the official seal of the State, the date of publication ("Jefatura del Estado, BOE núm. 266, de 6 de noviembre de 1979"), and the reference number ("Referencia: BOE-A-1979-26445"). Below this, there is a "TEXTO CONSOLIDADO" section with the last modification date ("Última modificación: 2 de agosto de 2011"). The document is signed by "DON JUAN CARLOS I, REY DE ESPAÑA". The text of the law is provided in Spanish, detailing the principles of organ donation and transplantation.

THE PROCESS OF DONATION AFTER BRAIN DEATH



Improvements in
organ donation



Improvements
in organization

BASIC PRINCIPLES OF THE SPANISH MODEL

All these
points
together

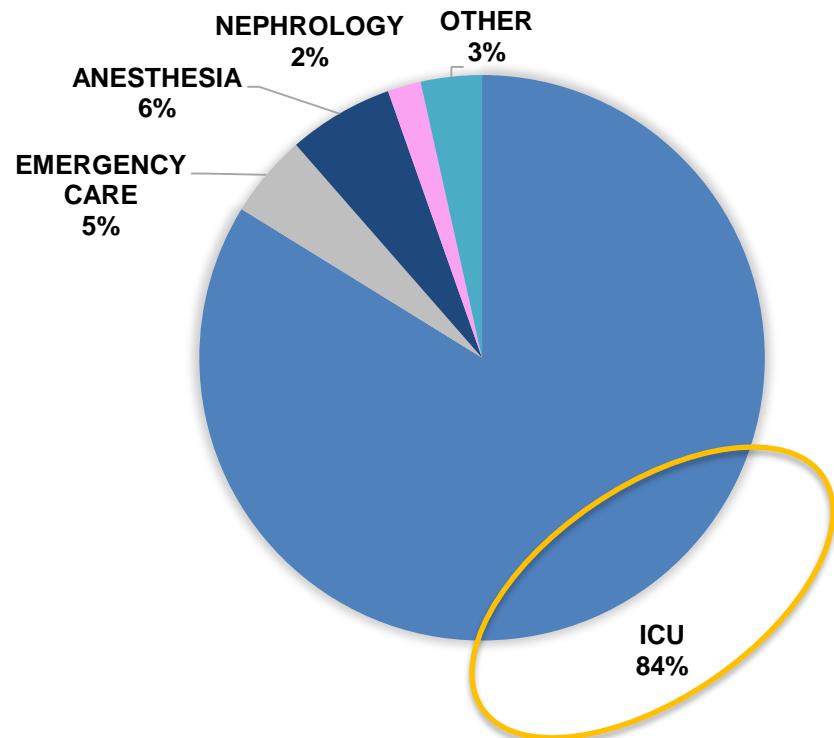
- 01 Adequate legal & technical background
- 02 Donor coordination network
- 03 Special profile of donor coordinator
- 04 Donor coordinators inside the hospitals
- 05 Central Office (ONT) as a support agency
- 06 Continuous potential donor audit
- 07 Great effort in professional training
- 08 Hospital reimbursement
- 09 Continuous attention to the mass media



KEEP
CALM
The
Intensivist
Is Here



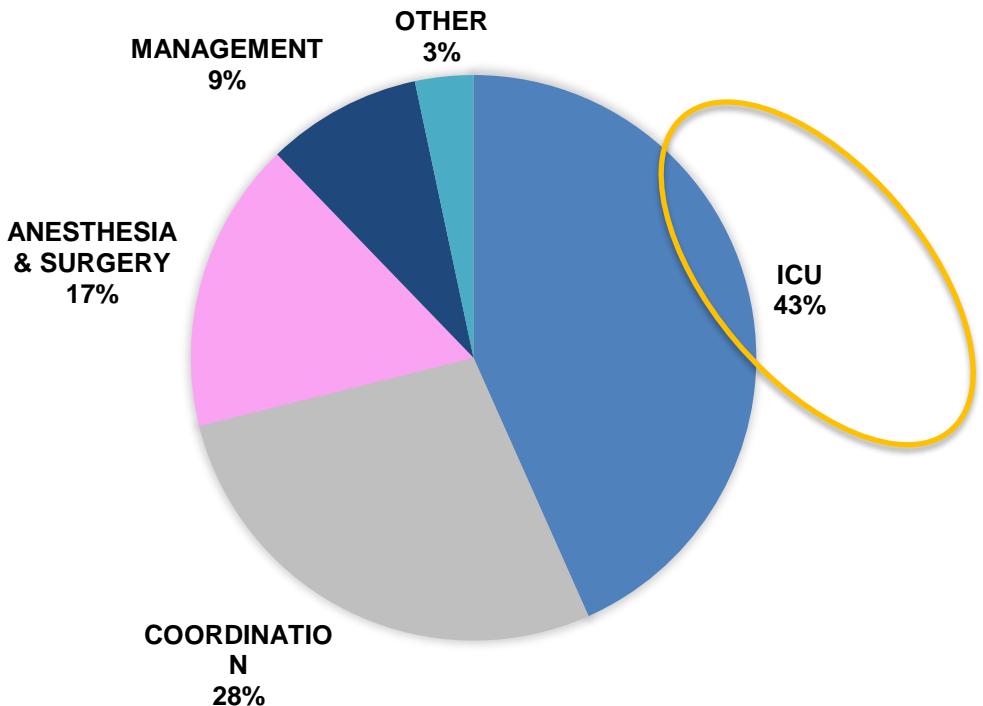
DONOR TRANSPLANT COORDINATION UNITS. SPAIN 2023 (N 185)



PHYSICIANS (348; 62%)

Full-time: 4%

Part-time: 96%

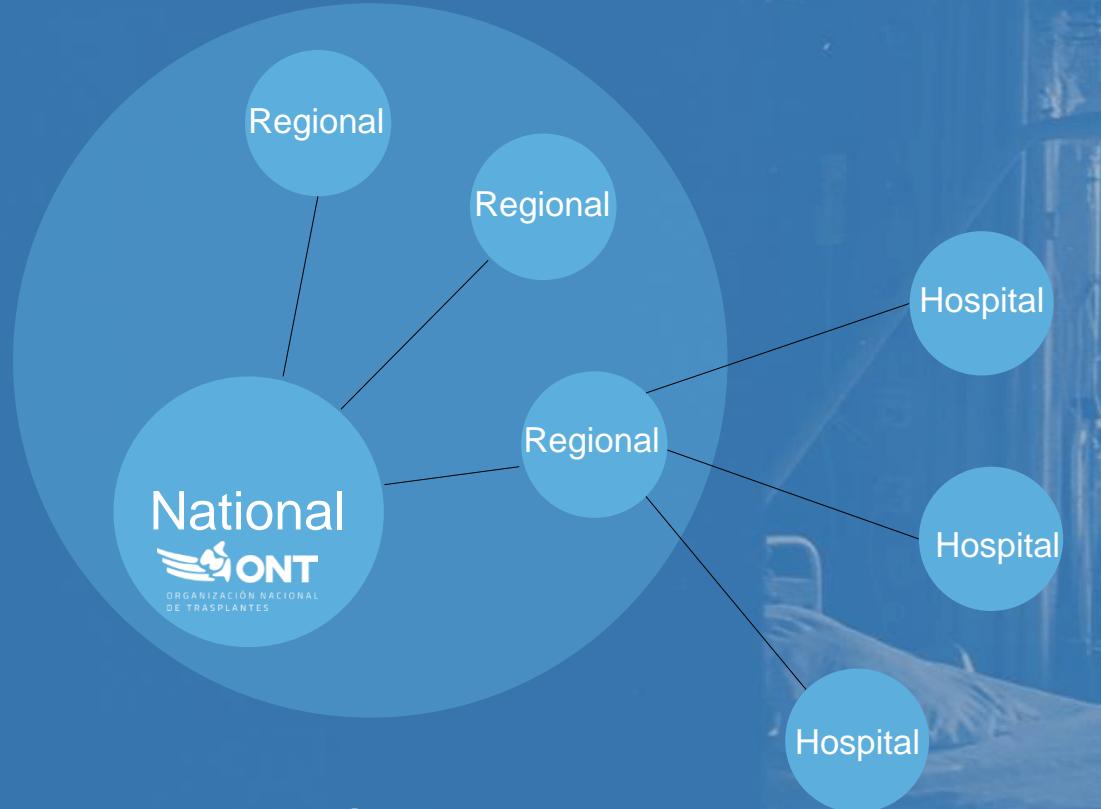


NURSES (213; 38%)

Full-time: 30%

Part-time: 70%

A SYSTEM THAT COORDINATES COORDINATORS



Transplant Committee of the
National Healthcare System

Matesanz R. Transplant Int 2011; 24: 333

HAWTHORNE EFFECT:
“Everybody who feels observed automatically changes their behaviour”



GREAT EFFORT IN TRAINING

- General courses on Donor Coordination
- Courses targeted to residents in Intensive Care Medicine
- Courses targeted to Emergency Care personnel
- Courses targeted to Neurologists – Stroke Units
- Courses targeted to non-health care professionals
- Specific courses on communication in critical situations
- Specific courses on DCD, living donation, others



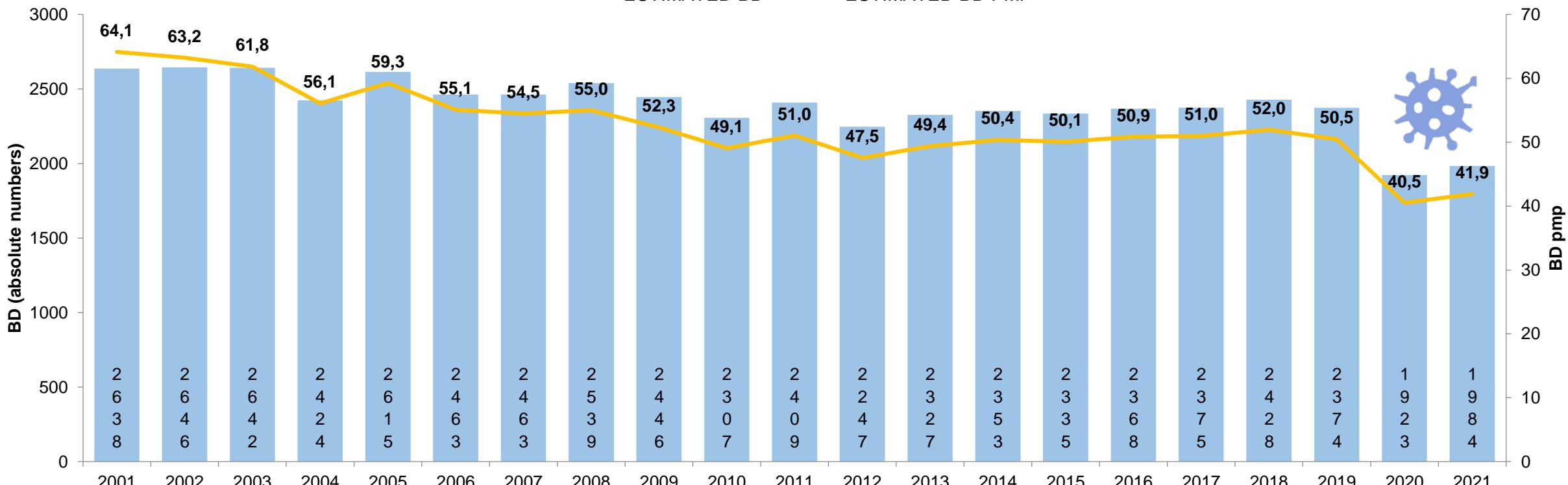
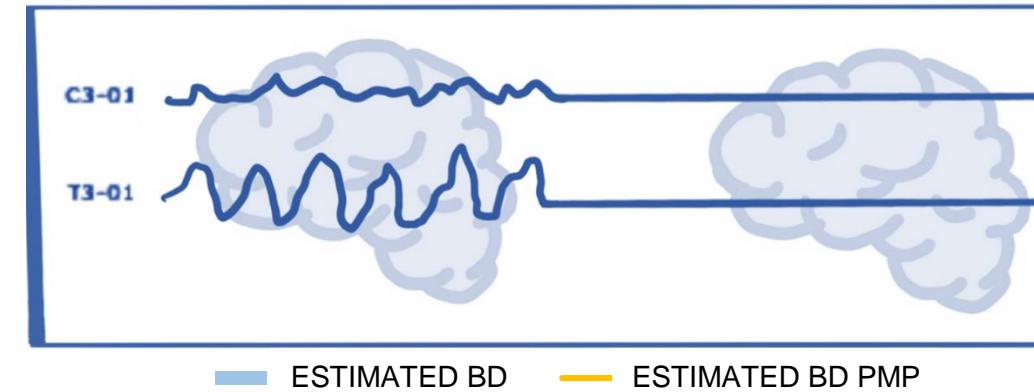
>20,000 HEALTH CARE PROFESSIONALS TRAINED THROUGH ONT COURSES SINCE 1991

WHAT'S

NEXT?



DECREASE IN THE INCIDENCE OF BRAIN DEATH IN SPAIN

50 years
60% CVA58 years
64% CVA

Source: Organización Nacional de Trasplantes

STRATEGY 2018-2022

Intensive care to facilitate organ donation

Participation of private health care in organ donation

Live organ donation

Expanded criteria and non standard risk donors

Donation after circulatory death

Pediatric donation

50 X 22

THE 20 COUNTRIES WITH HIGHER RATES OF DECEASED DONORS > 60 YEARS

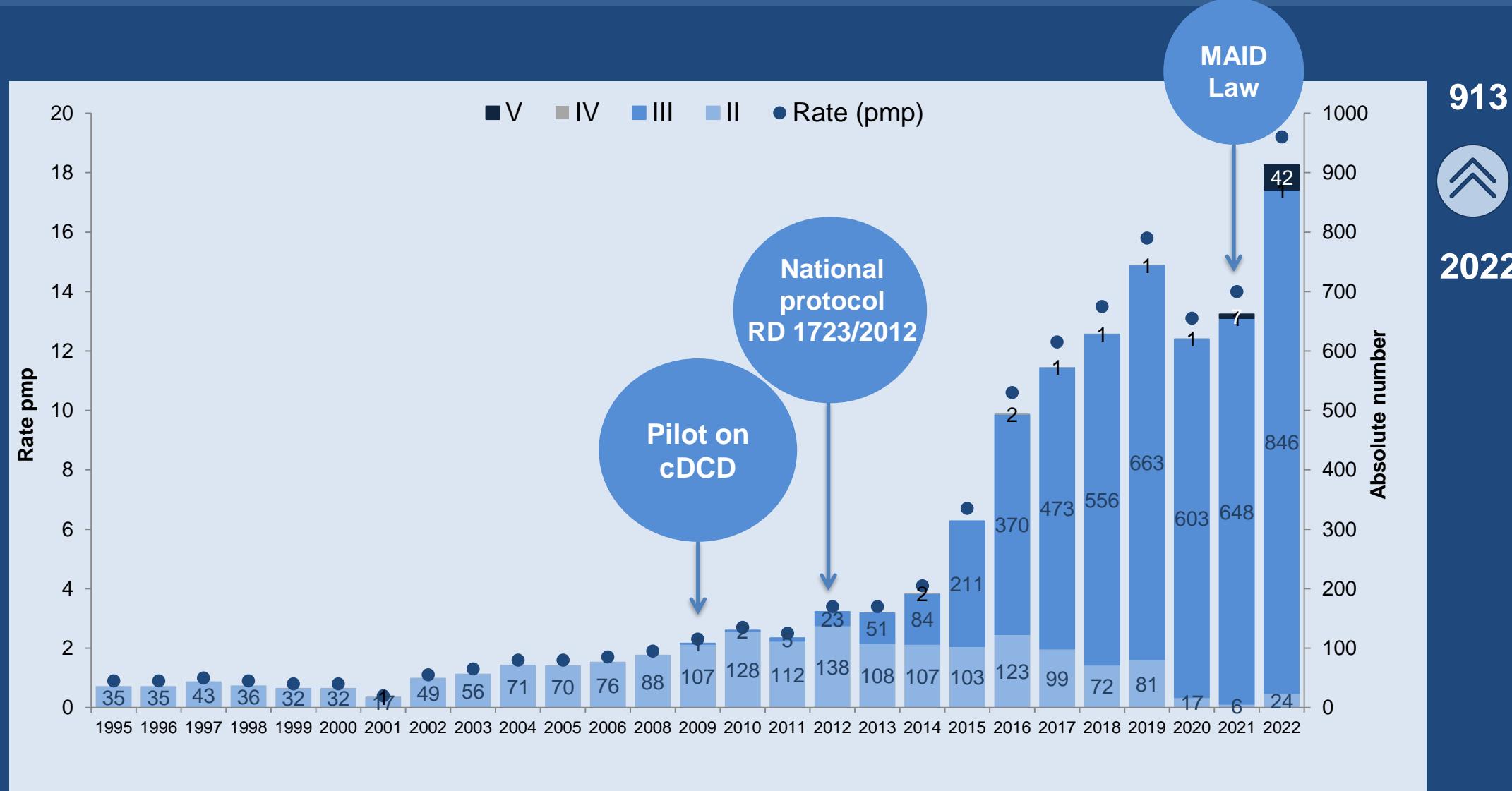


DECEASED DONORS
> 60 YEARS PMP
YEAR 2021

***Spain is the country with
the highest rate of donors
> 60 years***

DONATION AFTER CIRCULATORY DEATH IN SPAIN

DCD
REPRESENTS
42% OF
DECEASED
DONATION
ACTIVITIES IN
SPAIN

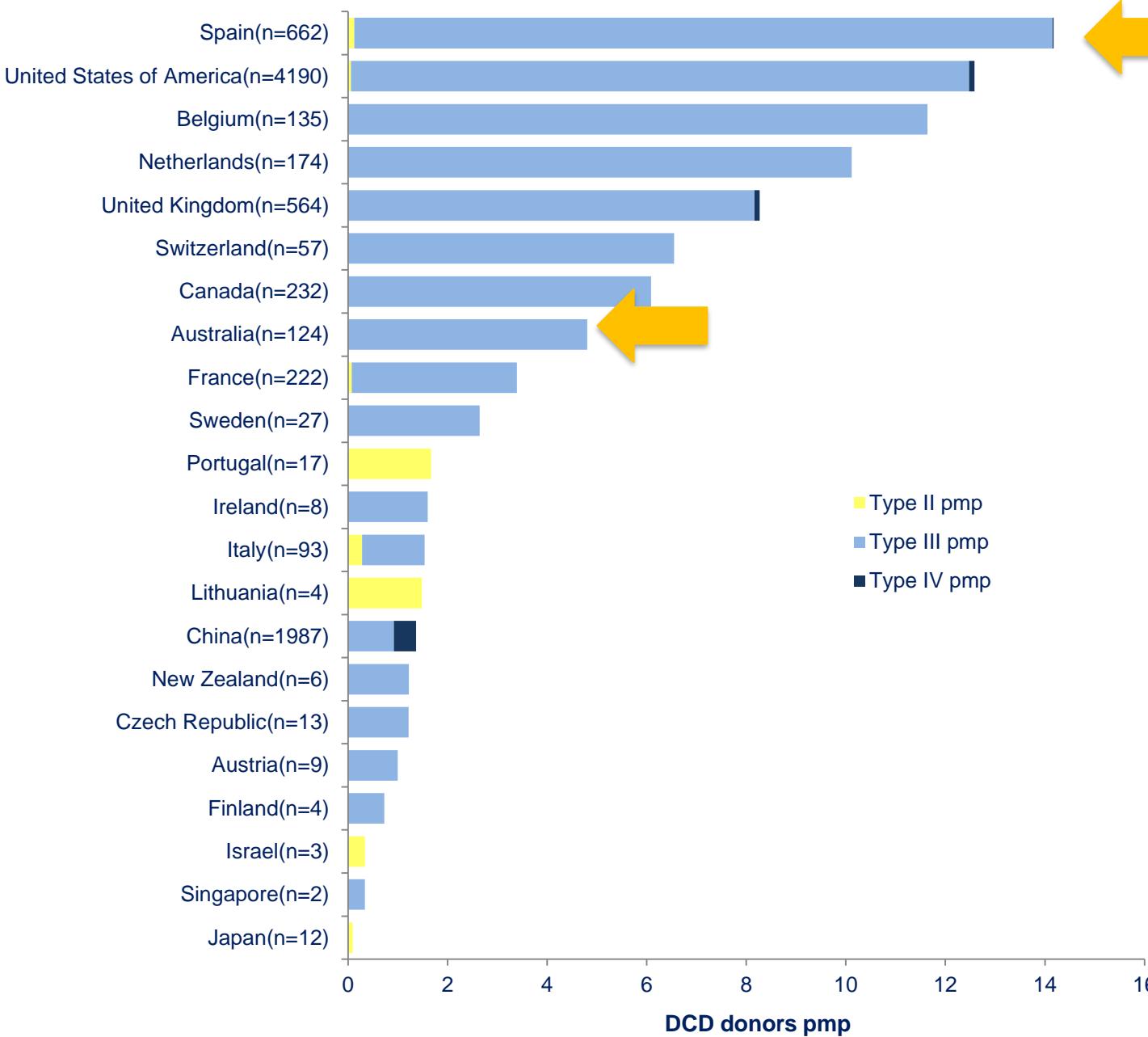


Source: Organización Nacional de Trasplantes

913



2022



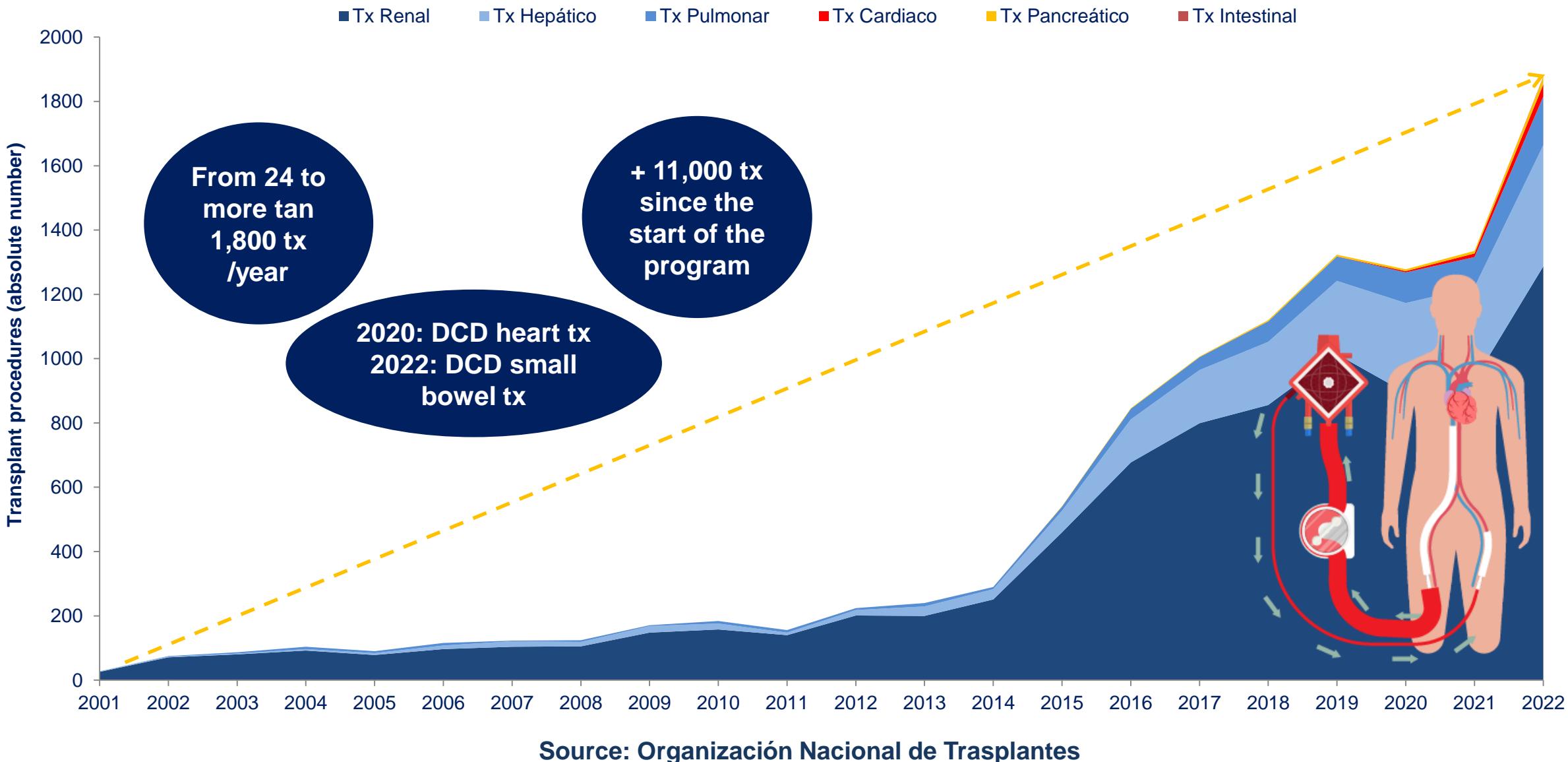
Actual DCD donors by Maastricht type (pmp) 2021

DCD activities reported in 22/91 countries

DCD donors: 8 545

Type II: 83 (1%)
Type III: 7 771 (91%)
Type IV: 691 (8%)

DCD TRANSPLANTS IN SPAIN



DCD HEART TRANSPLANTS IN SPAIN (31/12/2022)



Emma, una española de 13 meses, la primera en el mundo en recibir un trasplante de intestino en asistolia

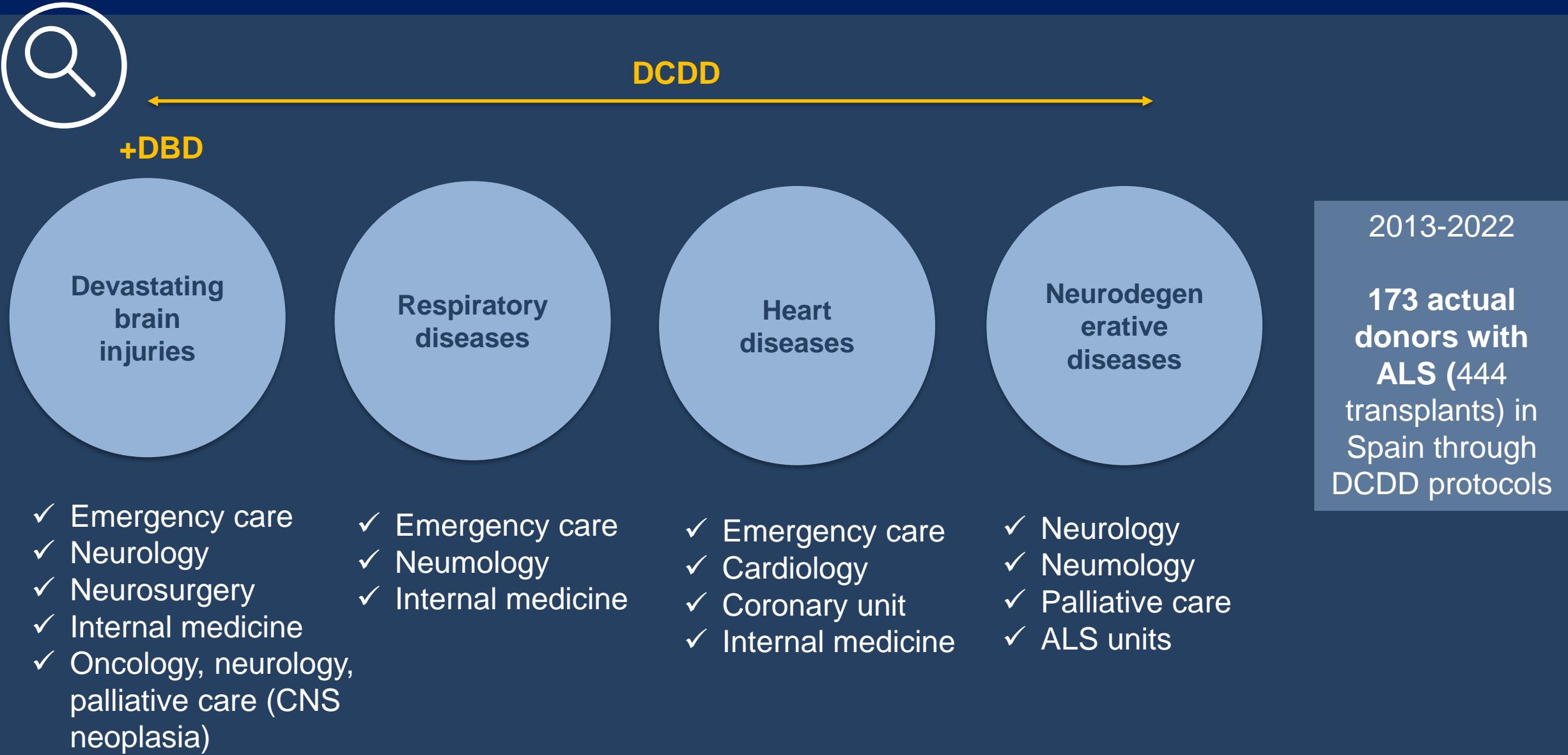
11/10/2022

La niña fue dada de alta del Hospital madrileño de La Paz y se encuentra en perfecto estado de salud en su domicilio

ABC **Salud**



DCDD PROVIDES THE OPPORTUNITY TO DONATE TO PATIENTS OTHER THAN THOSE WITH A DEVASTATING BRAIN INJURY



DONATION AFTER MAiD

**NEW
CIRCUMSTANCE
OF DEATH THAT
IS CONSISTENT
WITH ORGAN
DONATION**



DCD possible in more than 120 hospitals



Death occurs in controlled circumstances



**Other countries have well established protocols of donation after
MAiD**

**ORGANIC
LAW 3/2021
REGULATING
EUTHANASIA**

Belgium



**> 50 donors since
2011**

Canada



**> 150 donors since
2017**

Netherlands



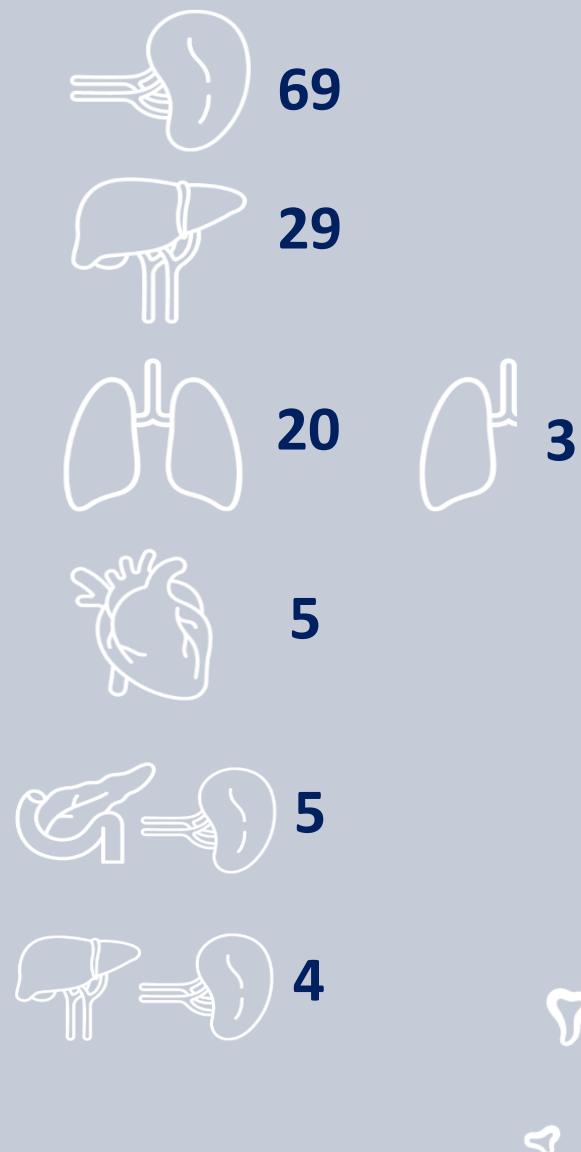
**> 85 donors since
2012**

RESPECT
FOR THE
DECISION
OF THE
PERSON
TO
DONATE

The patient at the center

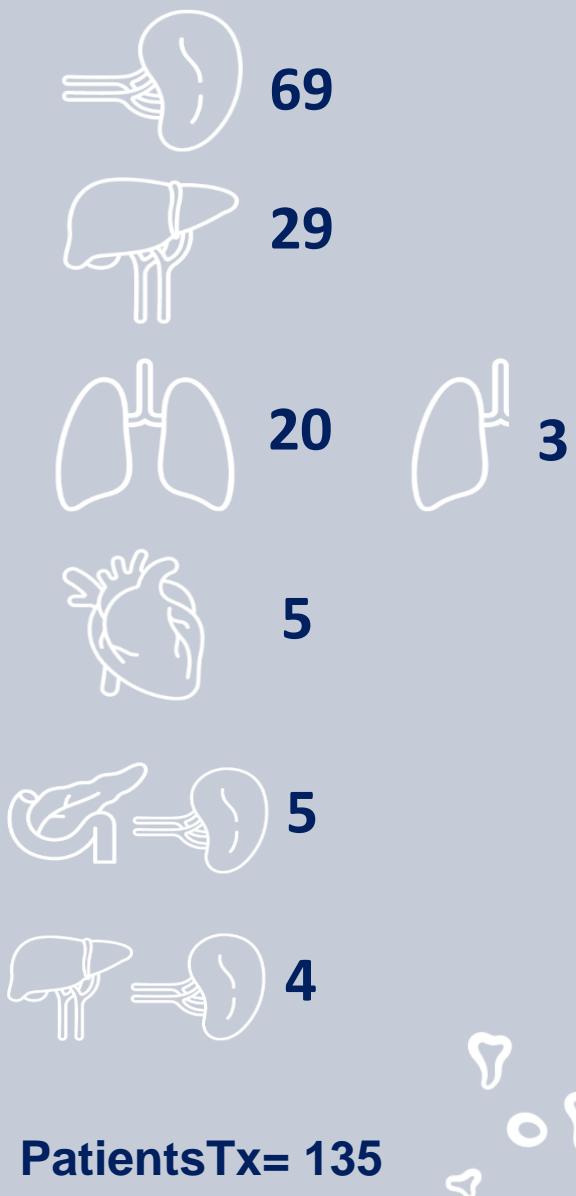
- 👉 **INDEPENDENCE** in the decision-making process
- 👉 **INFORMATION** on possibility of being informed about donation by treating team
- 👉 **GRANULAR INFORMATION** about the donation process by coordinator
- 👉 **AUTHORIZATION SIGNED** after approval of MAiD
- 👉 **POSSIBILITY TO CHANGE DECISION** about donation at any moment
- 👉 **PERSONALIZED ORGANIZATION** of the process
- 👉 **MINIMIZATION** of discomfort
- 👉 **NEED THAT MAiD TAKES PLACE IN THE HOSPITAL**

ORGAN DONATION AFTER MAiD (31/12/2022)

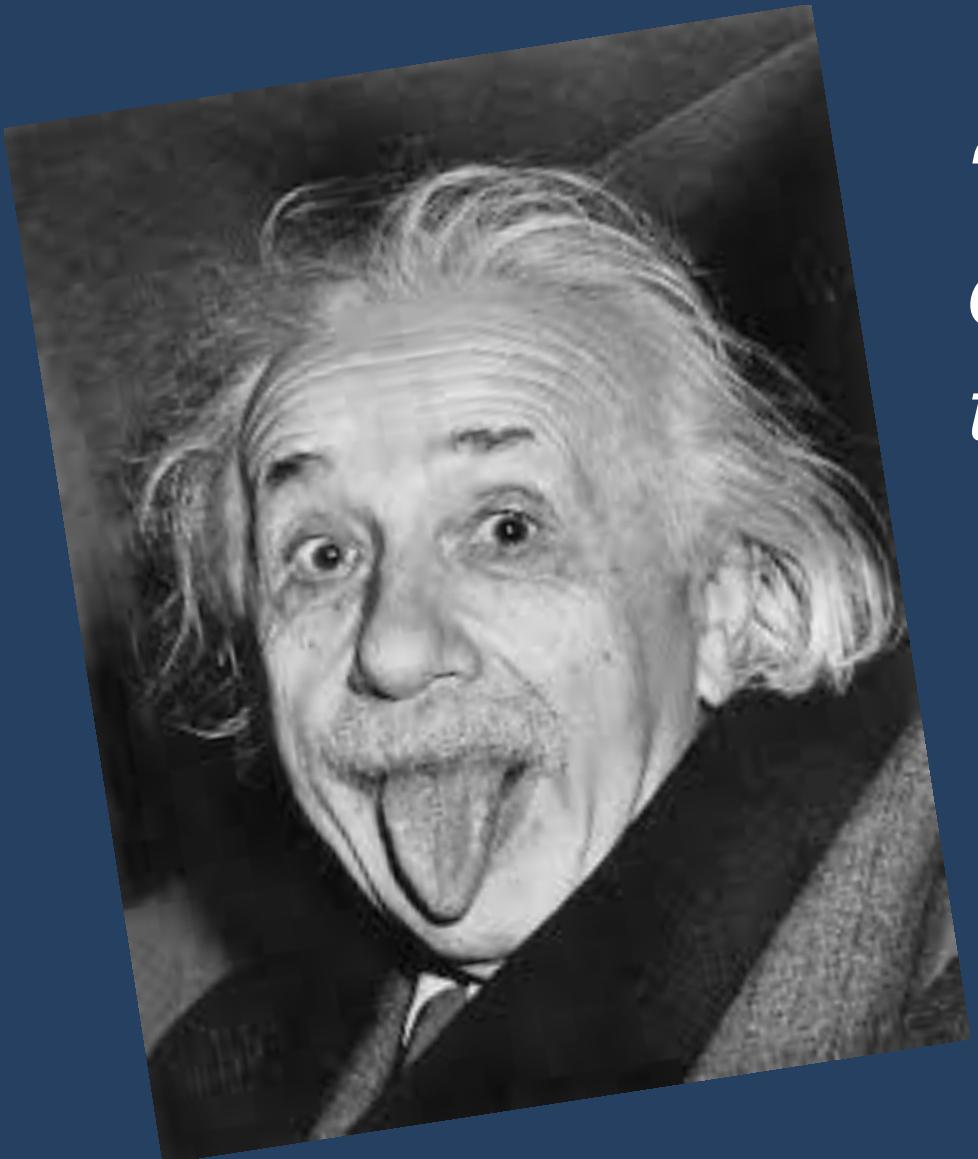


Source: Organización Nacional de Trasplantes

ORGAN DONATION AFTER MAiD (31/12/2022)



Source: Organización Nacional de Trasplantes



*“The people who are crazy
enough to think they can change
the world are the ones who do”*

Albert Einstein

THINK DIFFERENT





ont@sanidad.gob.es
 www.ont.es
 @ONT_esp
 @ont_donacionytrasplante
 Organización Nacional de Trasplantes

THANK YOU!

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