

# PROGRESS OF KIDNEY TRANSPLANTATION ACTIVITIES IN THE EUROPEAN UNION (2005 - 2014): DATA FROM THE NEWSLETTER TRANSPLANT OF THE COUNCIL OF EUROPE

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## BACKGROUND

- The Newsletter Transplant of the Council of Europe publishes donation and transplantation international figures for organ, tissues and haematopoietic stem cells, and the documents produced by the committee of experts on the organizational aspects of co-operation in organ transplantation. It is edited annually since 1996 by the Spanish National Transplant Organization (ONT).

## OBJECTIVE

- To describe the renal transplant activity in the European Union (EU) Member States (MS) and to compare its progress from 2005 to 2014.

## METHODS

### Data source:

- Information for the Newsletter is collected through a network of national focal points designated by the Ministries of Health of the participating countries, by means of a specifically designed questionnaire. Data is managed by the Spanish ONT. The indicators produced provide a comprehensive overview of donation and transplantation activities for more than 60 countries throughout the world.

### Study period:

- Data from the 28 EU MS has been analysed to assess the evolution of kidney transplant activities during the period 2005-2014.

### Definitions:

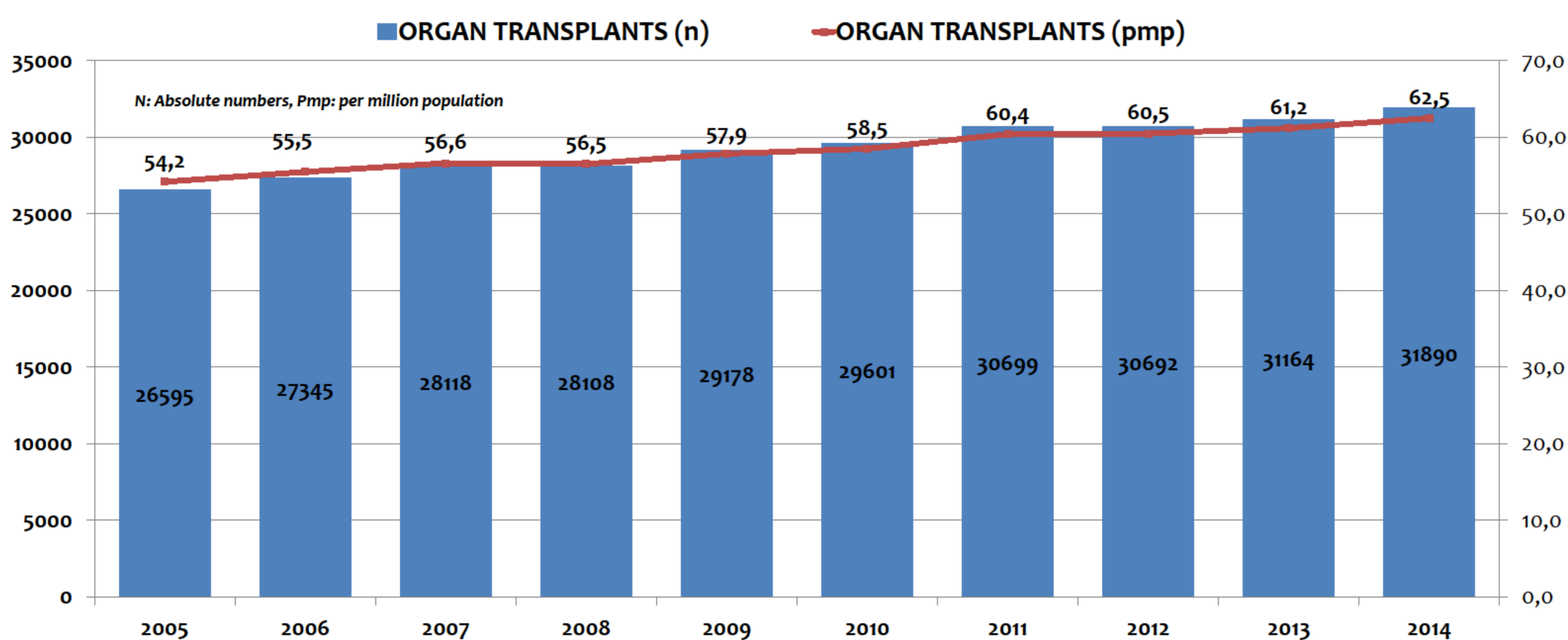
- We have used the Newsletter of the Council of Europe's definitions which are based on the "WHO Global Glossary of Terms and Definitions on Donation and Transplantation".

**Statistical Methods:** Descriptive statistics.

**Software:** SPSS v.15.0

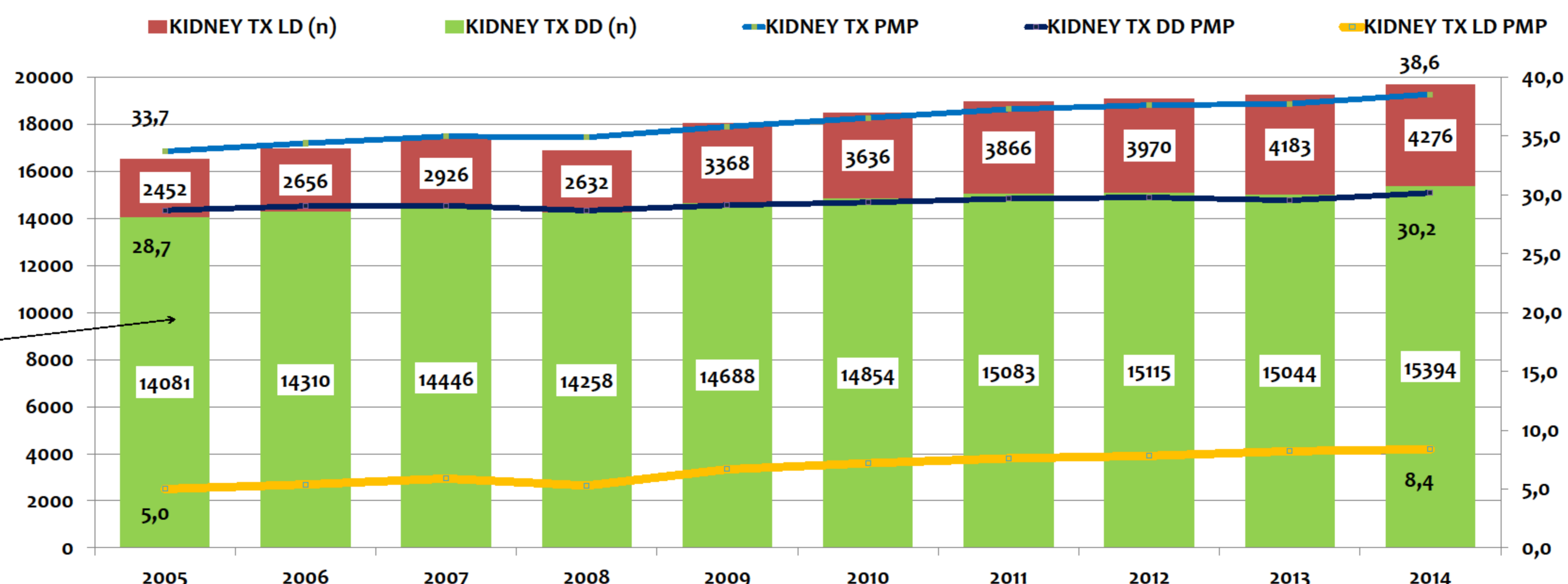
## RESULTS

### EVOLUTION OF SOLID ORGAN TRANSPLANTATION IN EU MS (2005-2014) -DATA FROM THE NEWSLETTER TRANSPLANT OF THE COUNCIL OF EUROPE-



- The number of kidney transplant centres also varies among the EU MS: The media of million inhabitants covered by each kidney transplantation centre is 1.9, with a wide range between Malta (0.4 million inhabitants/ centre) and Finland or Romania (5.4 million inhabitants/ centre).

### KIDNEY TRANSPLANTATION IN THE EU MS (2005-2014) - DATA FROM THE NEWSLETTER TRANSPLANT OF THE COUNCIL OF EUROPE-



- Regarding KIDNEY TRANSPLANTATION FROM DONORS AFTER CIRCULATORY DEATH (DDC), 505 (1.0 pmp) were performed in 2005 vs 1474 (2.9 pmp) in 2014 with an increase of 190%. It currently represents 7.5% of global kidney transplantation activities. Kidney transplants from donors after circulatory death were performed in 9 / 28 EU MS (32%) in 2014.

KIDNEY TX LD (n): Kidney transplant from living donors (absolute numbers). KIDNEY TX DD (n): Kidney transplant from deceased donors (absolute numbers). KIDNEY TX PMP: Kidney transplants (rate per million population). KIDNEY TX DD PMP: Kidney transplant from deceased donors (rate per million population). KIDNEY TX LD PMP: Kidney transplant from living donors (rate per million population).

## CONCLUSIONS

- Kidney transplant activities vary among EU MS.
- Living transplantation represents a significant percentage of total kidney transplants, and it is substantially contributing to the overall expansion of kidney transplantation.
- Renal transplantation from donors after circulatory death has also evolved although keeping limited to a few countries, being still a minority practice.

