



Organ Donation and Transplantation Activities

2016



Global activity in organ transplantation

Estimations 2016

Kidney	Liver	Heart	Lung	Pancreas	S. bowel
89,823	30,352	7,626	5,497	2,342	220

≈ 135,860 solid organ transplants reported in 2016

≈ 7.25 % increase vs 2015

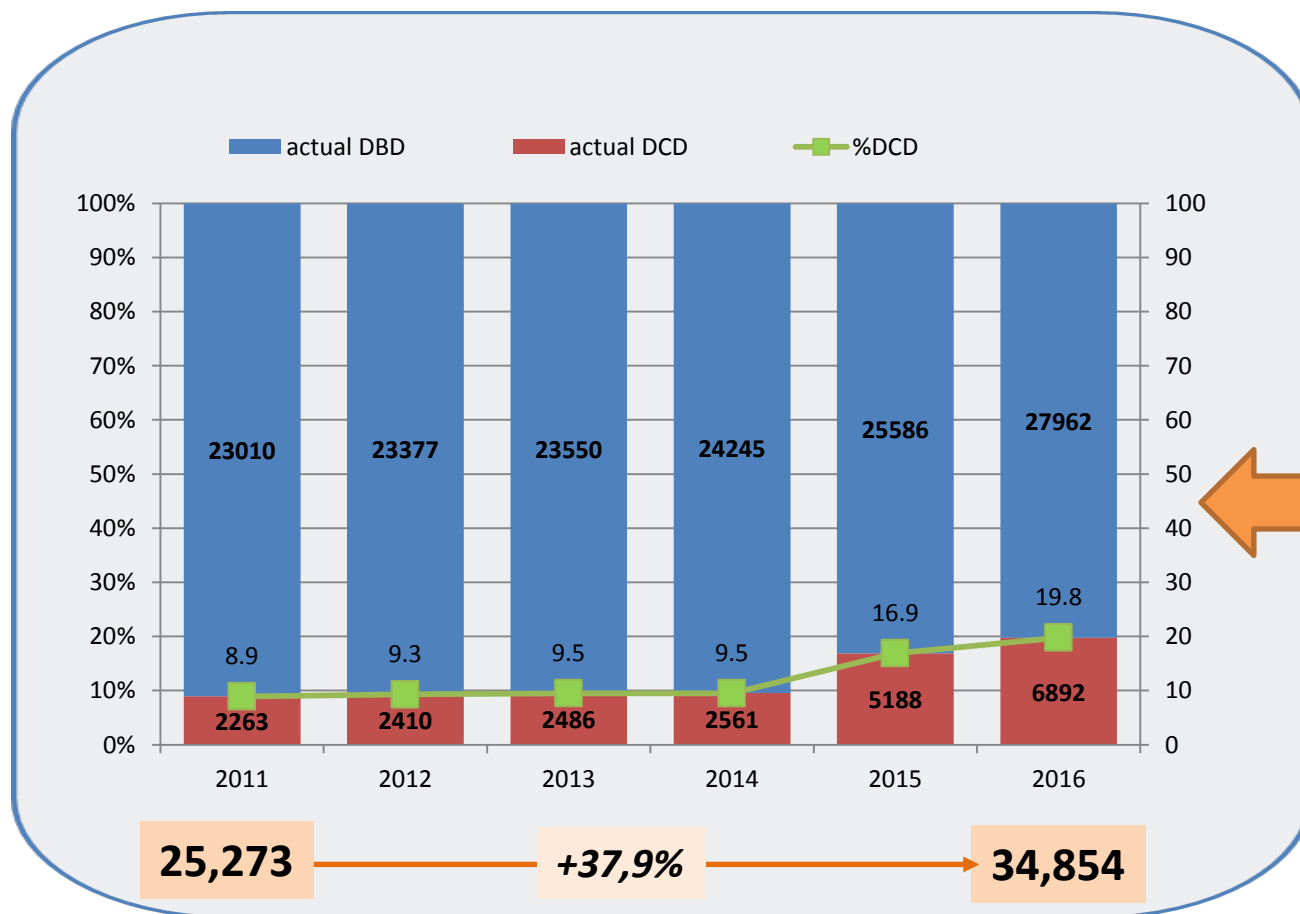
≤ 10% of global needs

40.2% living kidney transplants

19.8% living liver transplants

Information of 110 Member States on organ transplantation activities is included in the **GODT**:
81 of 2016, 11 of 2015, 6 of 2014, 7 of 2013, 2 of 2012 and 3 of 2011.

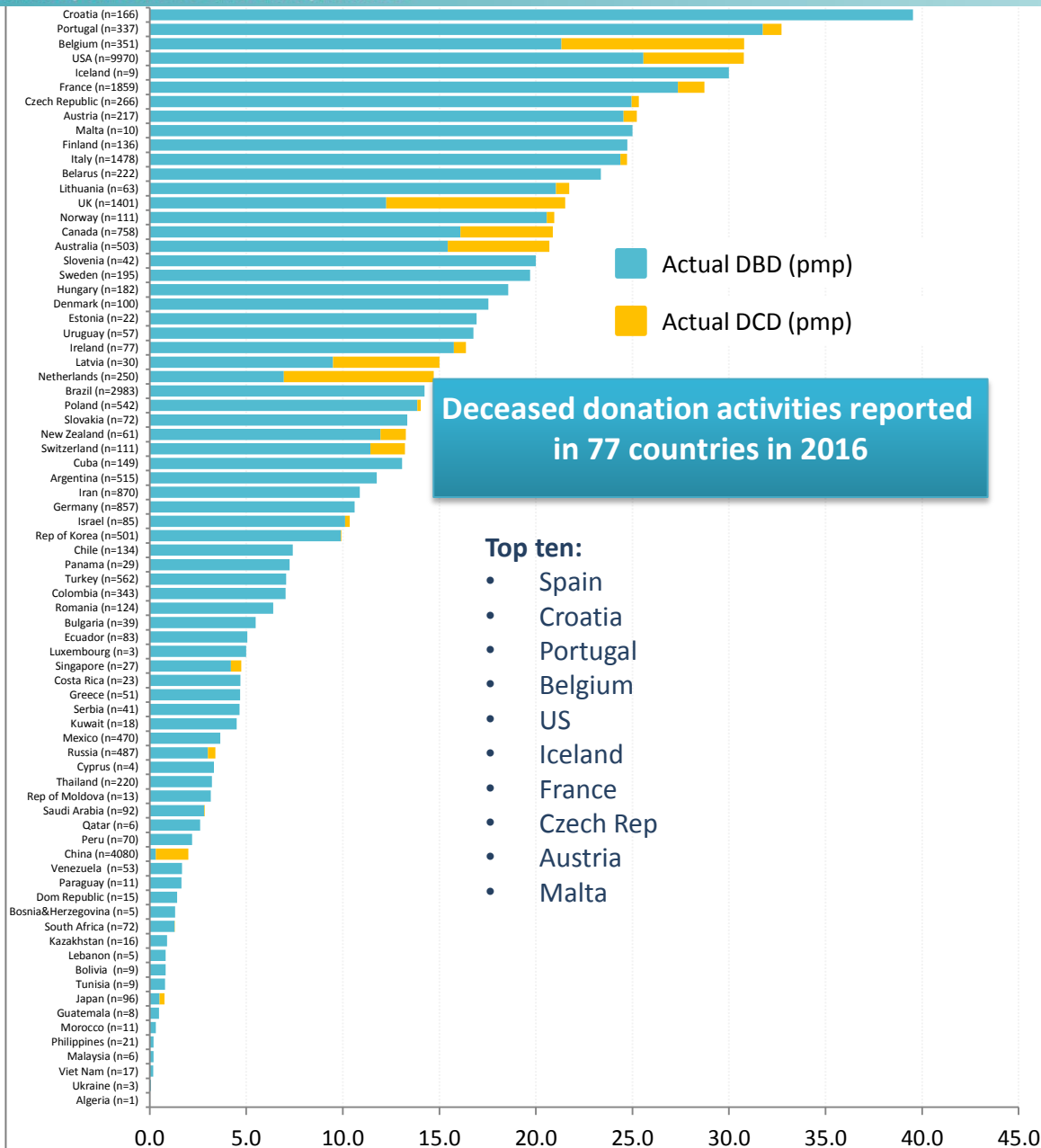
DECEASED ORGAN DONORS IN 2016: 34,854



DBD:
76
countries
DCD:
27
countries

80.2%
donors
after brain
death
(DBD)

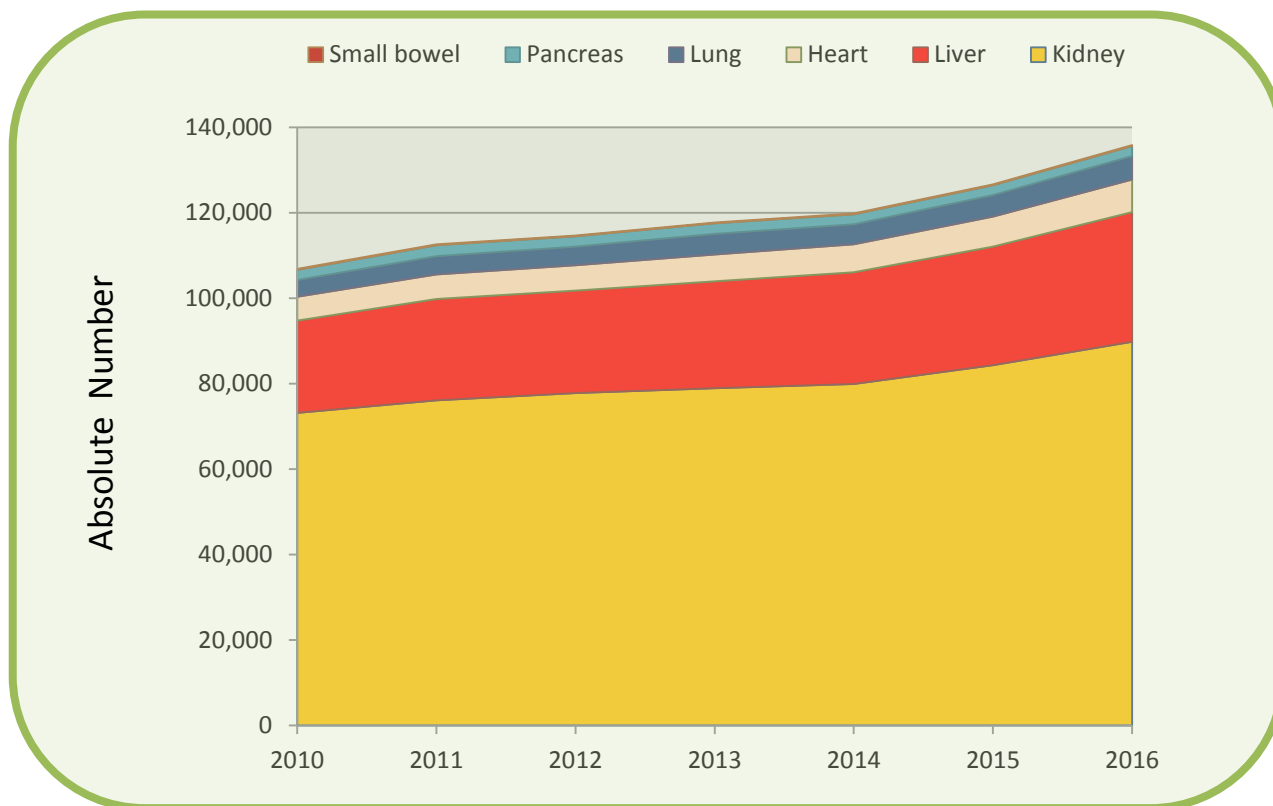
Absolute numbers of DCD and DBD. Percentage of DCD. Global data. 2011-2016

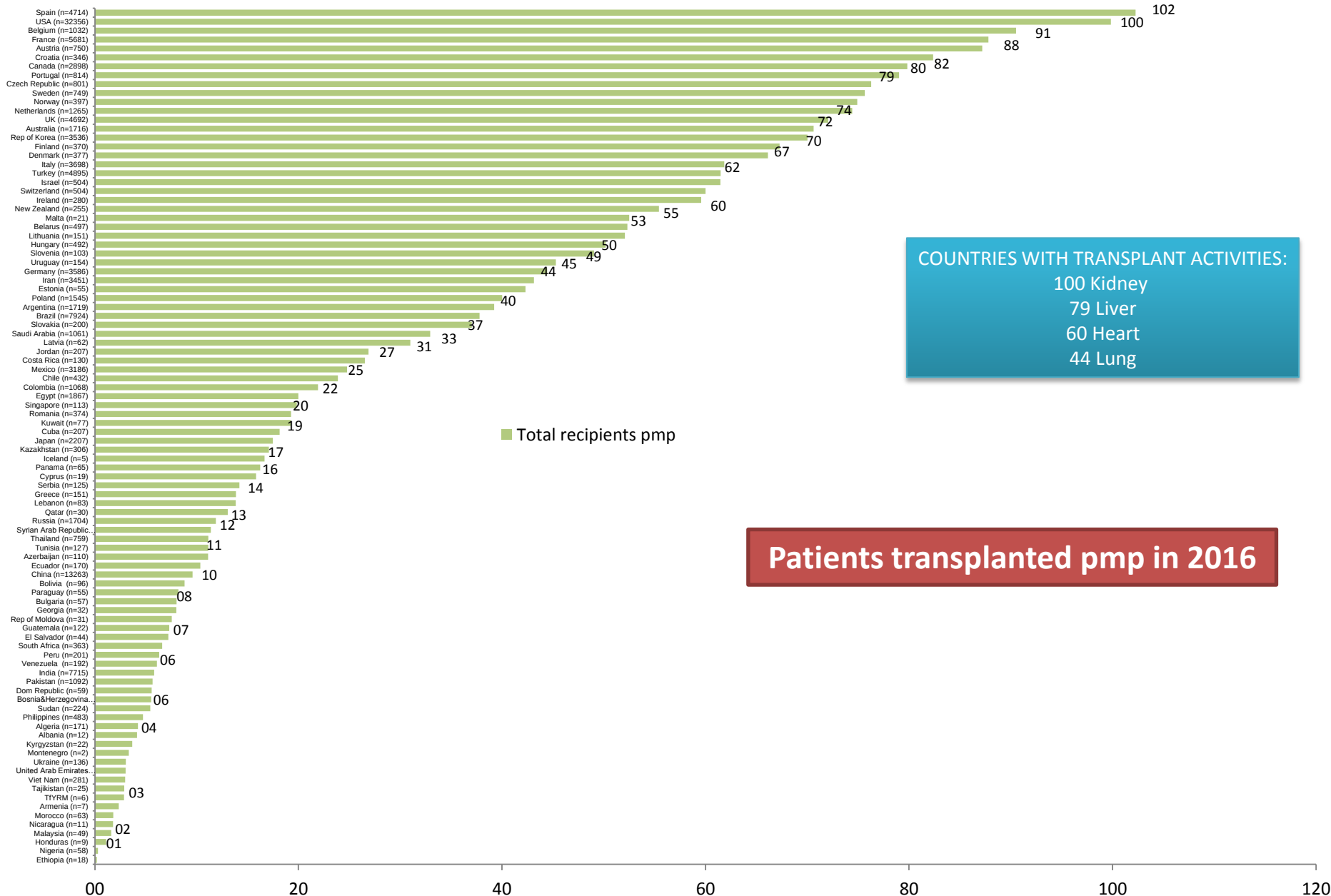


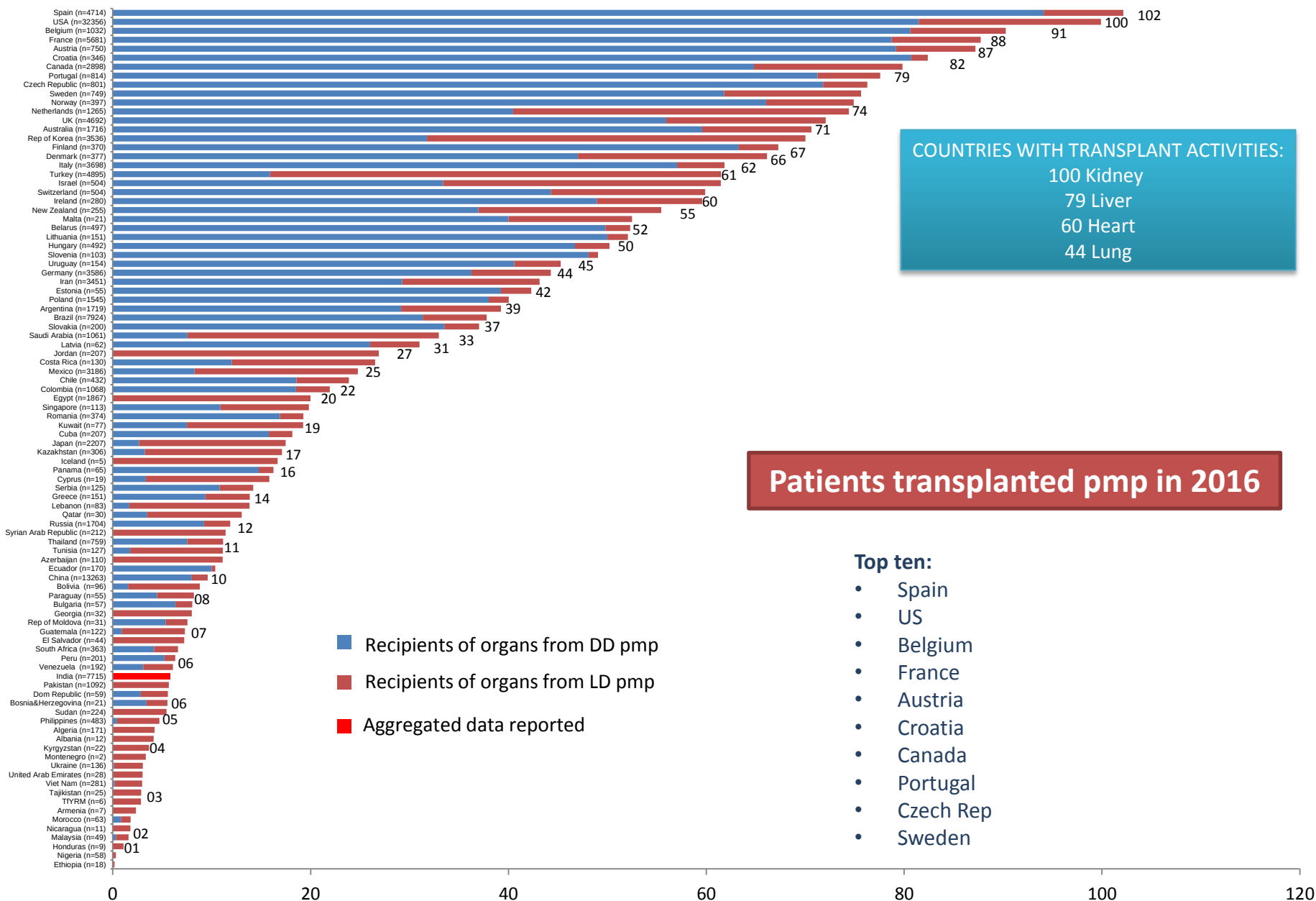
DECEASED DONORS PMP - 2016



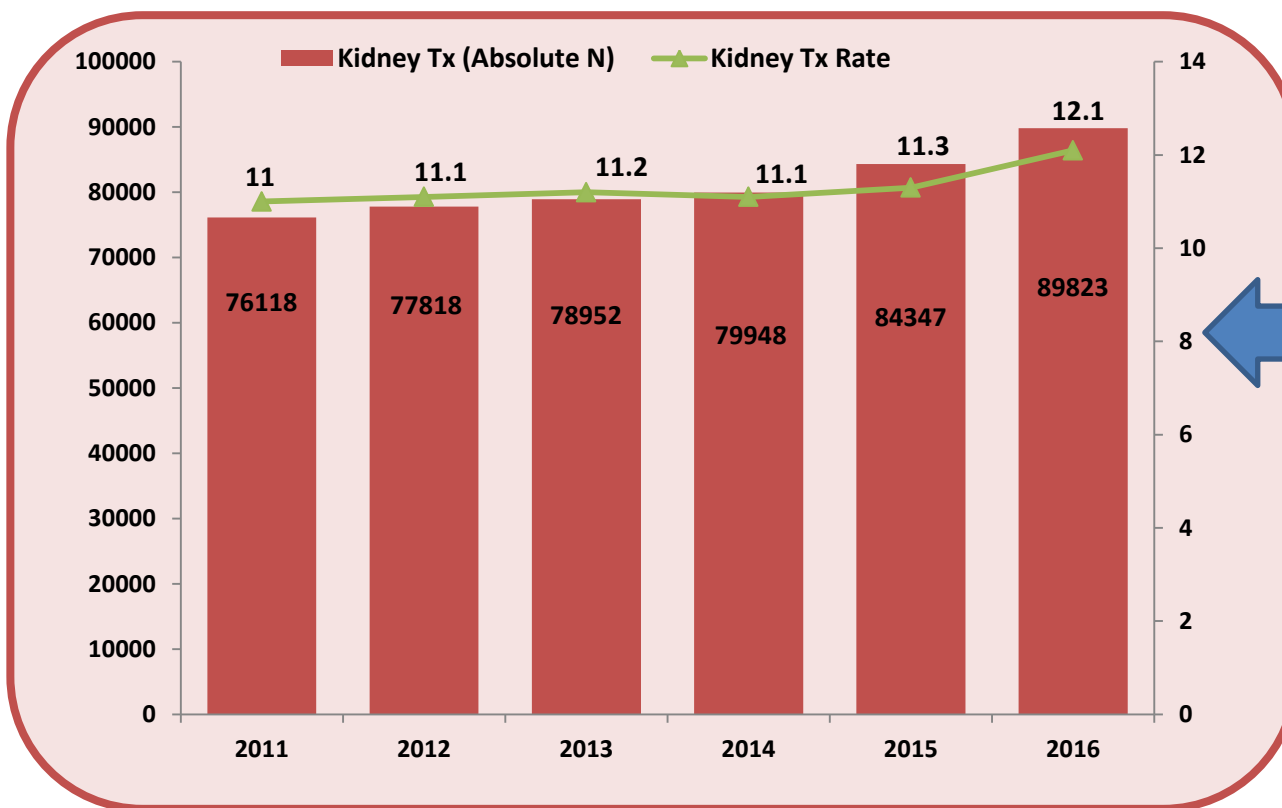
Evolution of global organ transplant activities per type of organ. 2010-2016.







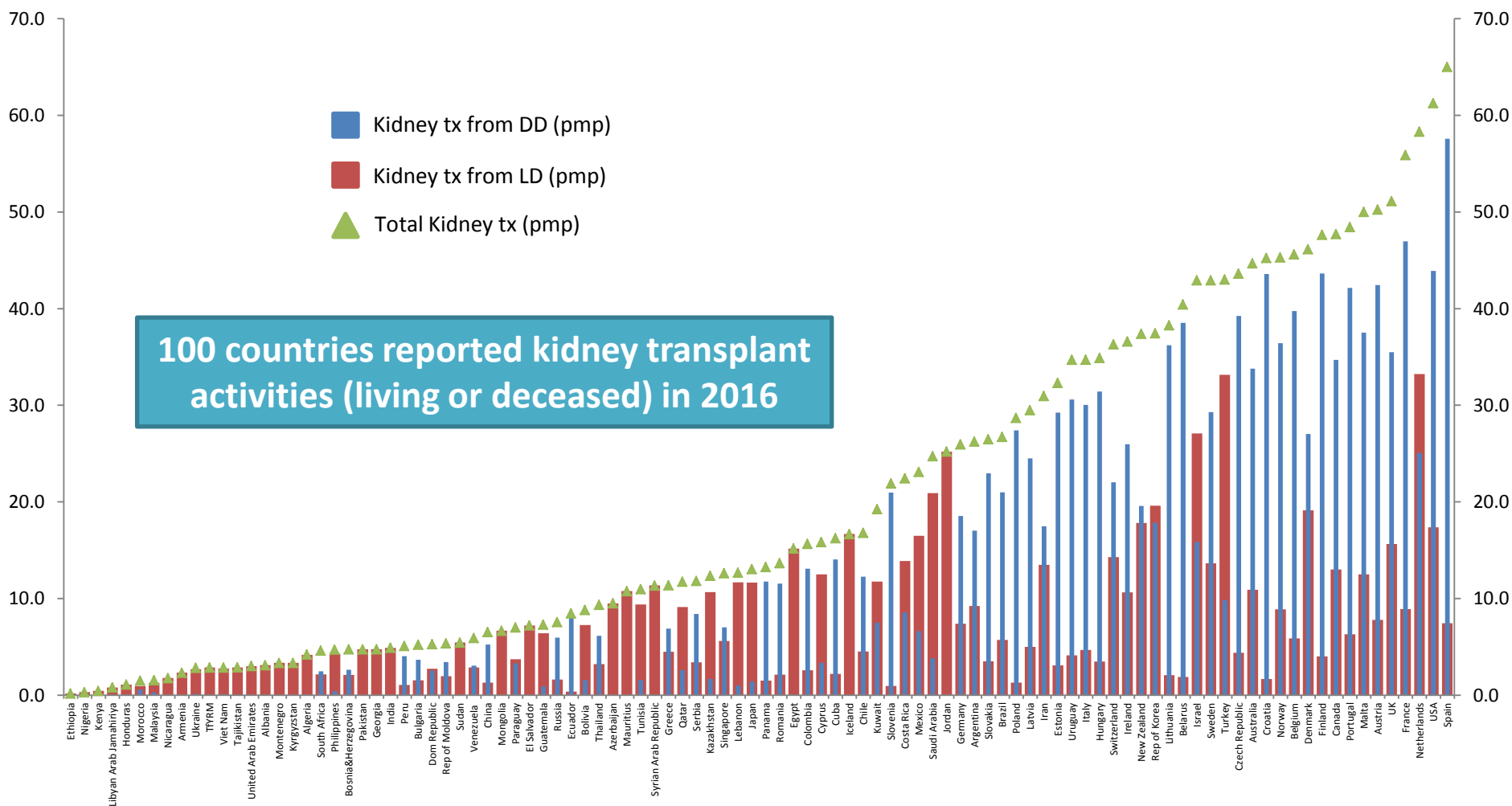
Progress of kidney transplant activities worldwide. Absolute numbers and rates. 2011-2016.



6.5% of
increase
over 2015.

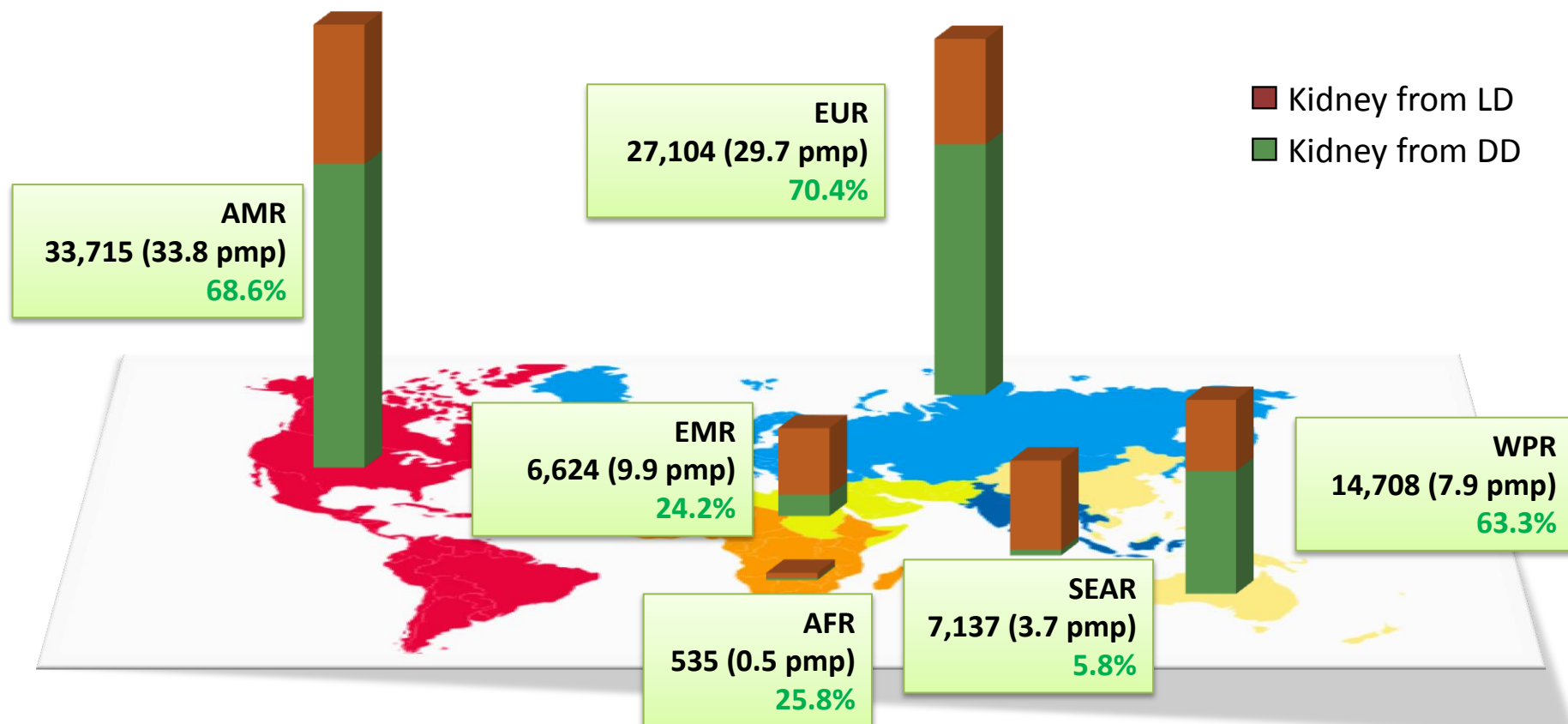
40.2 % from living donors

Kidney Transplantations from deceased and living donors Per million population (pmp). 2016

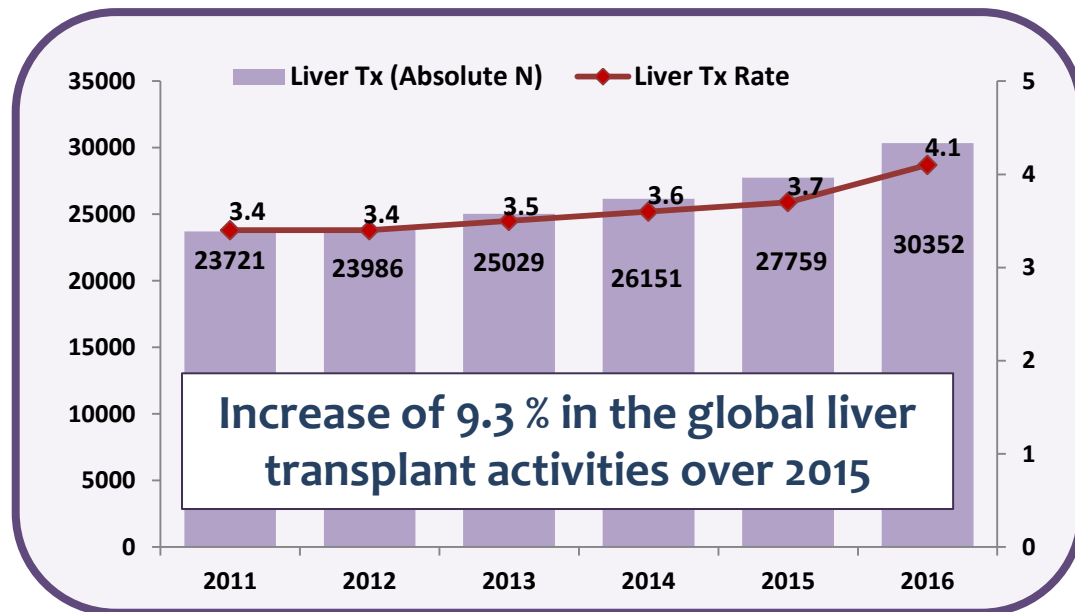


Kidney transplants *per region*- 2016

Absolute number (pmp); % Kidney tx from deceased donors



Rates are estimated by using the regional population as the denominator



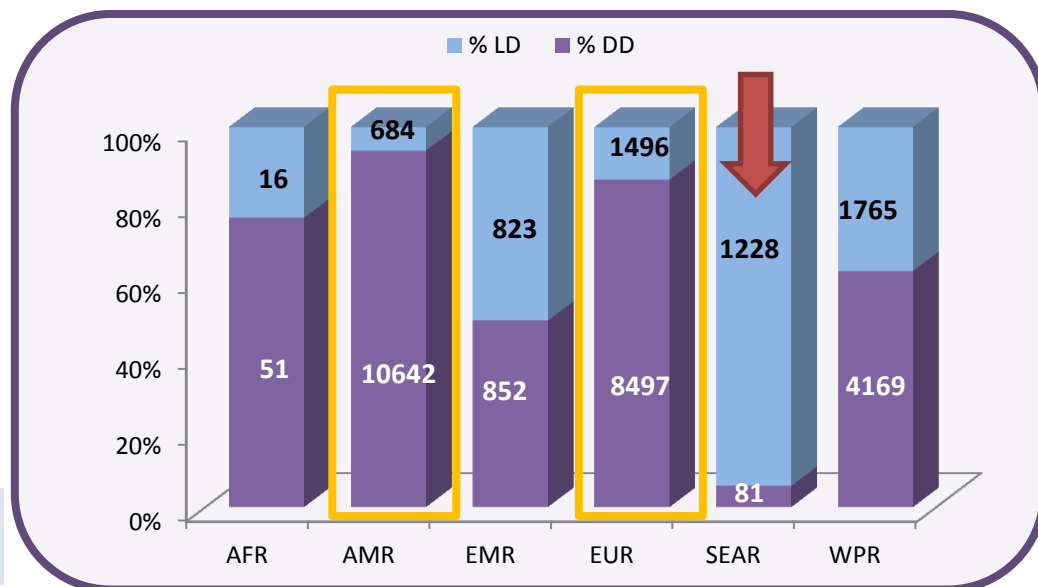
Evolution of the global liver transplant activities.

Absolute numbers and rates.
2011-2016.

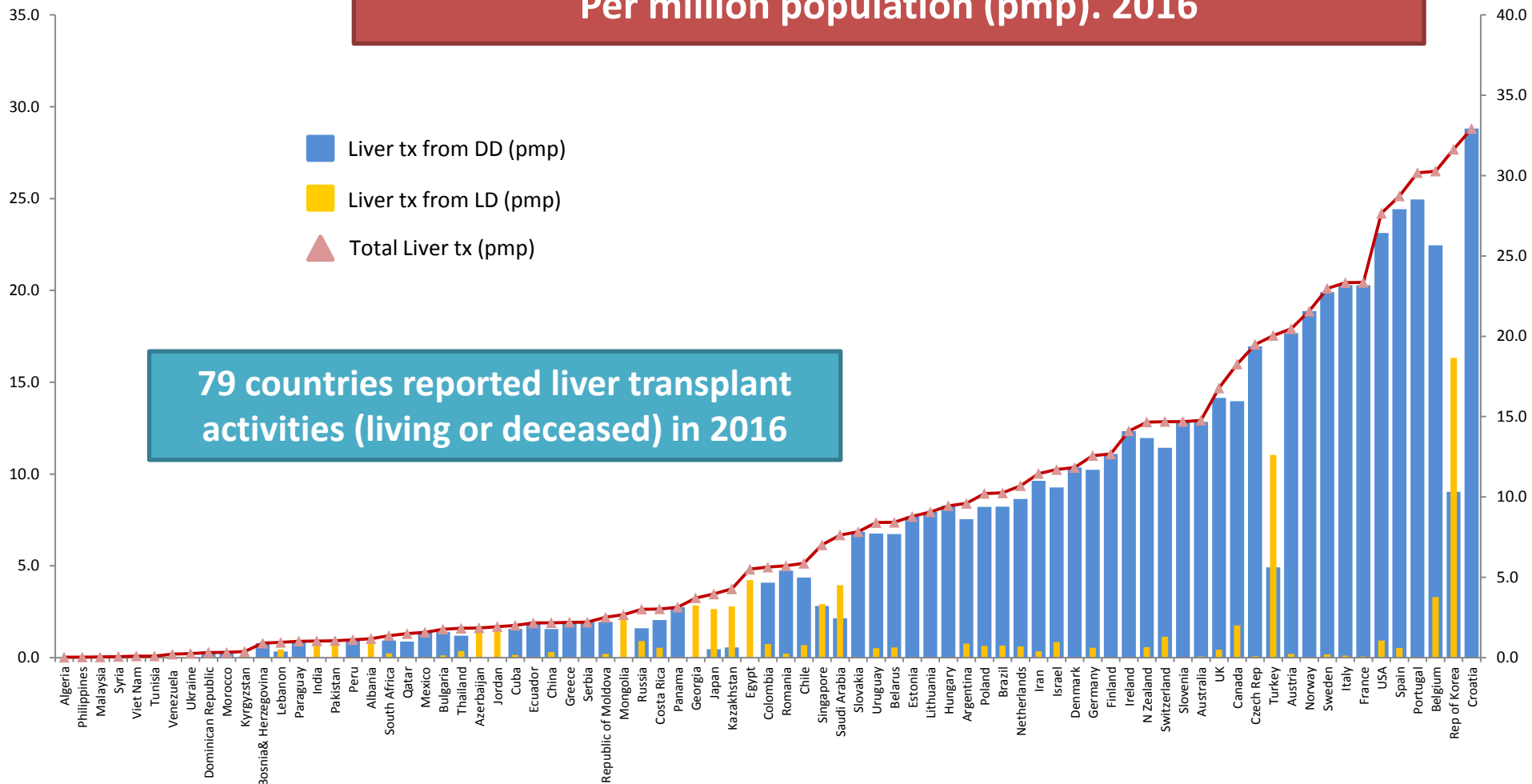
Distribution of liver transplants by WHO Regions.

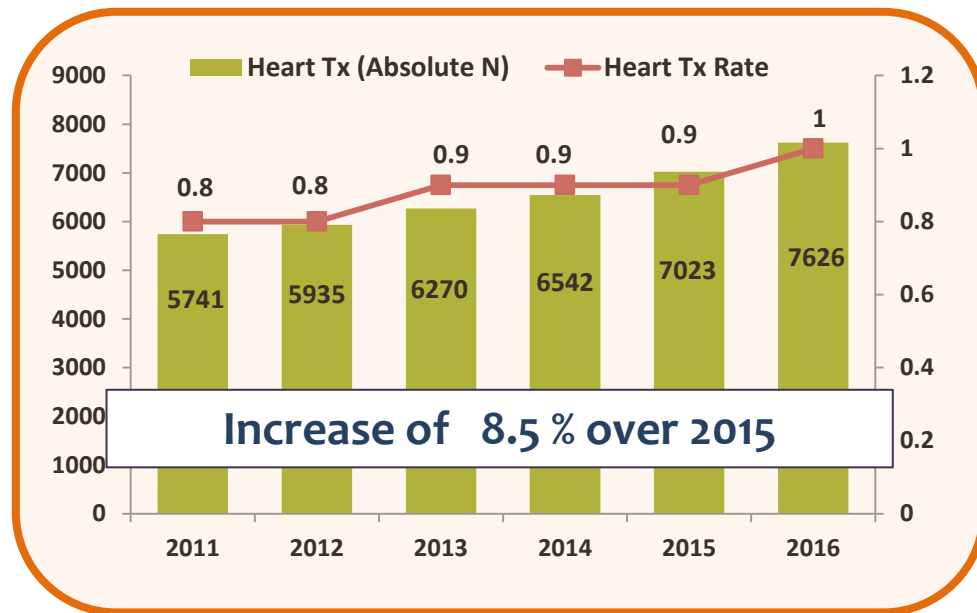
Percentages of transplants and absolute numbers depending on the type of donor. 2016.

19.8% from living donors



Liver Transplants from deceased and living donors Per million population (pmp). 2016





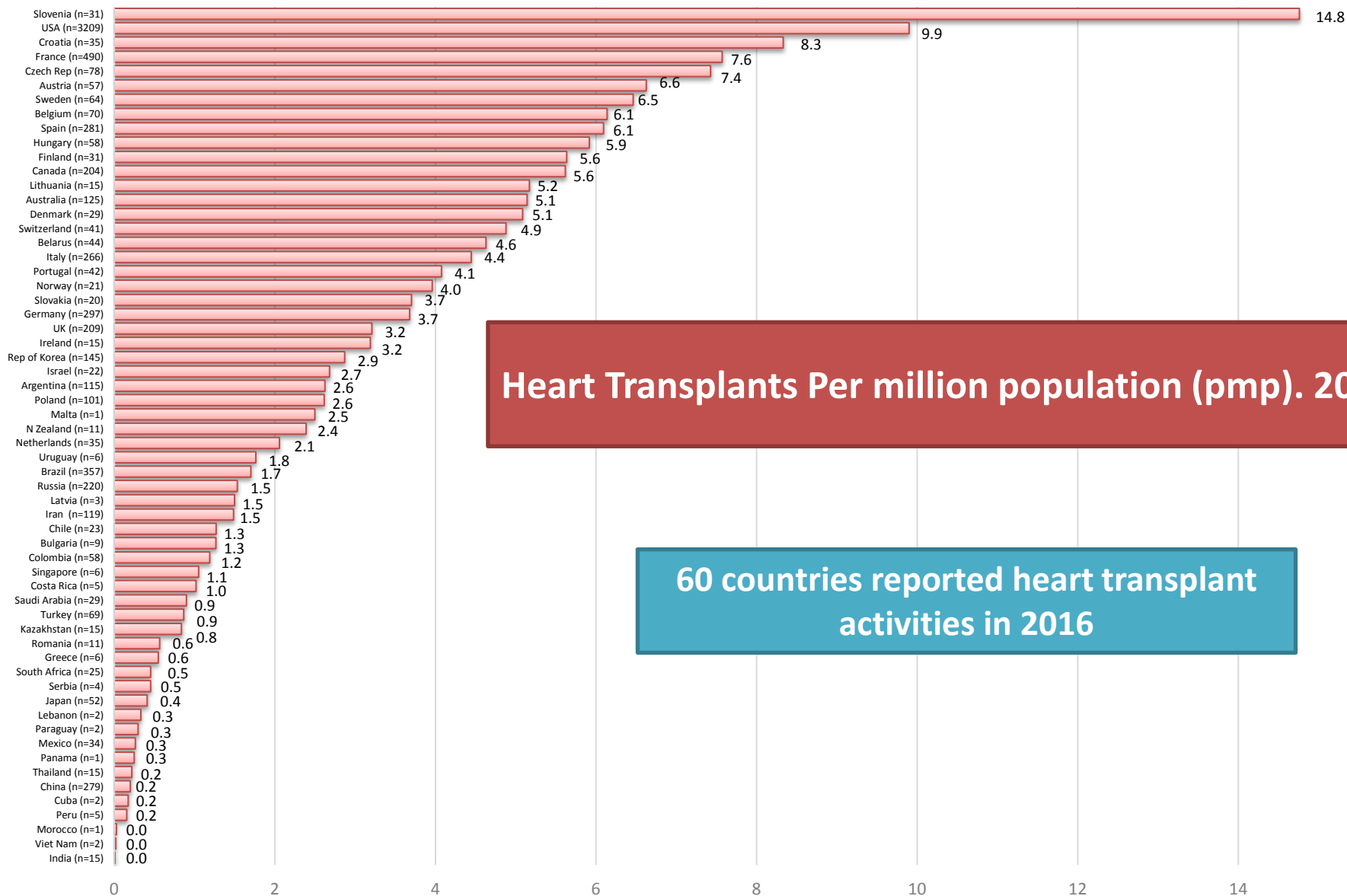
Progression of global heart transplant activities.

Absolute numbers and rates.
2011-2016.

Distribution of heart transplants in the WHO regions.

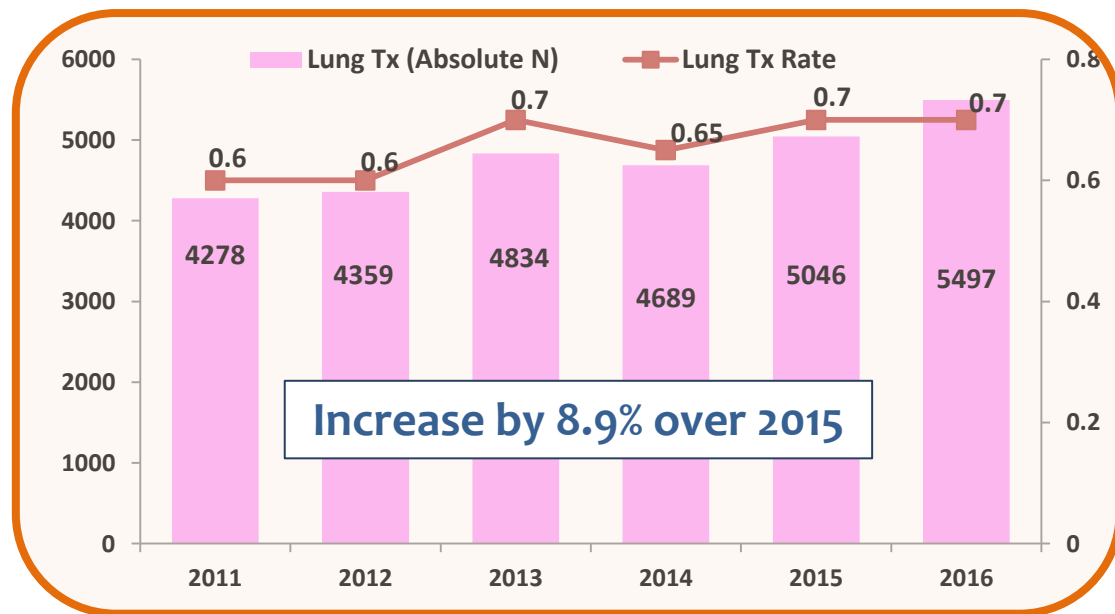
2016

WHO Region	Number of Heart Transplants (pmp)	Number of Paediatric Heart Transplants (pmp) (<15 years old)	Number of countries
AFR	25 (0.00)	2 (0.00)	1
AMR	4021 (4.0)	423 (0.4)	13
EMR	151 (0.2)	25 (0.04)	4
EUR	2690 (2.9)	186 (0.2)	33
SEAR	30 (0.015)	1 (0.01)	2
WPR	709 (0.4)	25 (0.013)	7



Heart Transplants Per million population (pmp). 2016

60 countries reported heart transplant activities in 2016



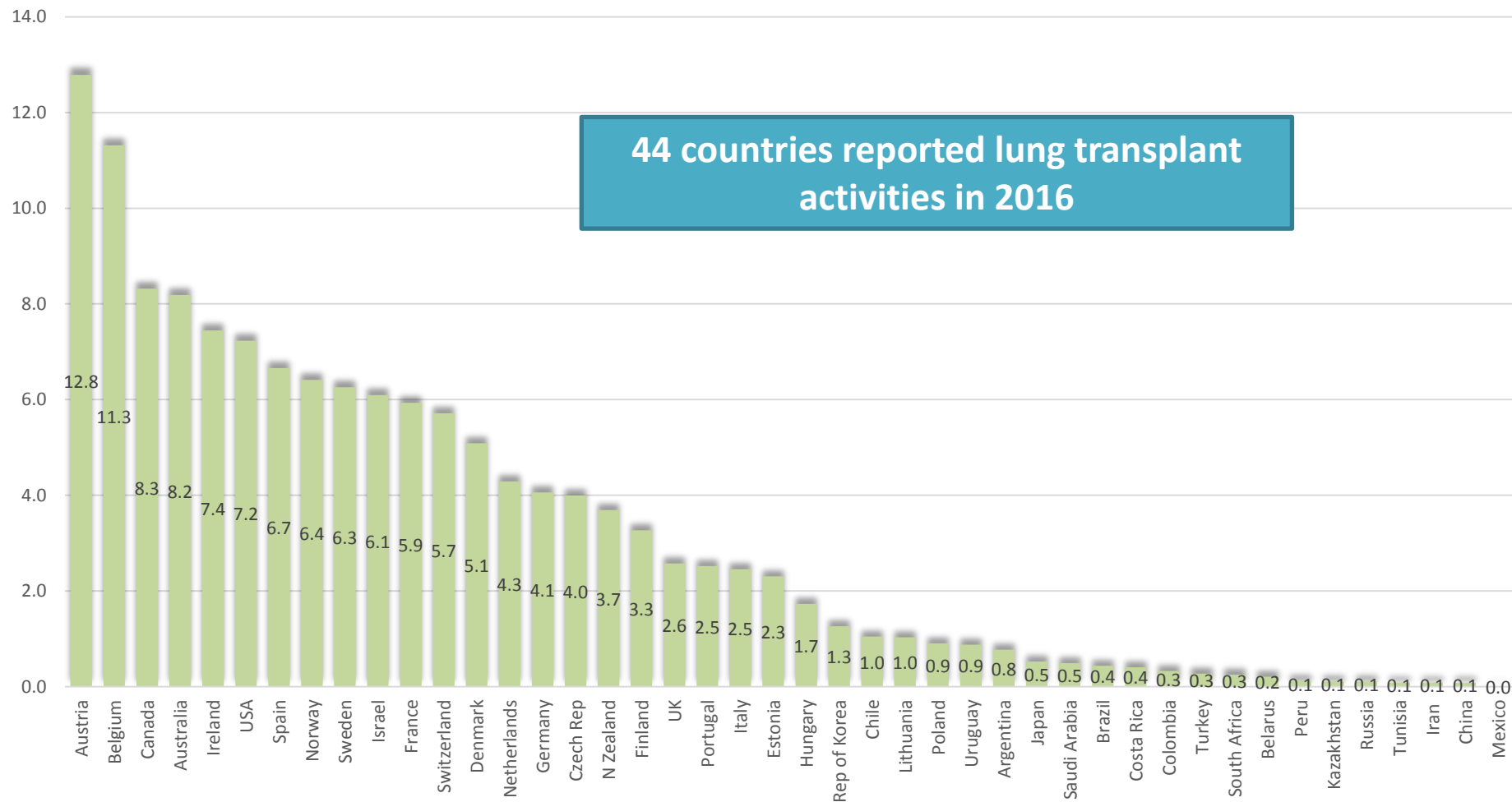
Evolution of worldwide lung transplant activities.

Absolute numbers and rates.
2011-2016

Distribution of lung transplants in the WHO regions. 2016

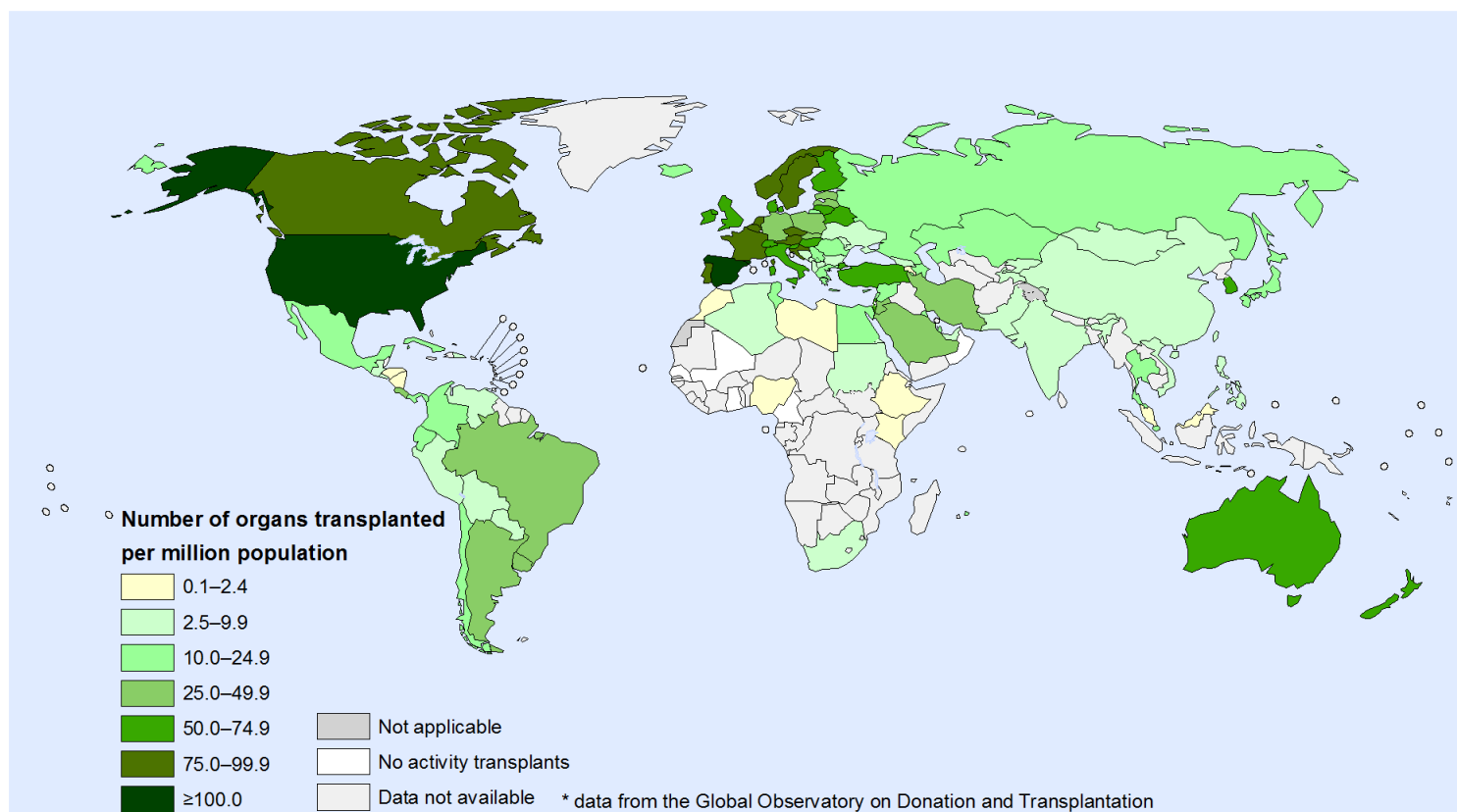
WHO Region	Number of Lung Transplants (pmp)	Number of Paediatric Lung Transplants (pmp) (<15 years old)	Number of countries
AFR	14 (0.01)	0 (0.0)	1
AMR	2818 (2.8)	31 (0.03)	10
EMR	24 (0.04)	1 (0.00)	3
EUR	2090 (2.3)	37 (0.04)	25
SEAR	0 (0.0)	0 (0.0)	0
WPR	551 (0.3)	30 (0.016)	5

Lung Transplants Per million population (pmp). 2016



Global Organ Transplants

Global transplantation activities of solid organs, 2016*

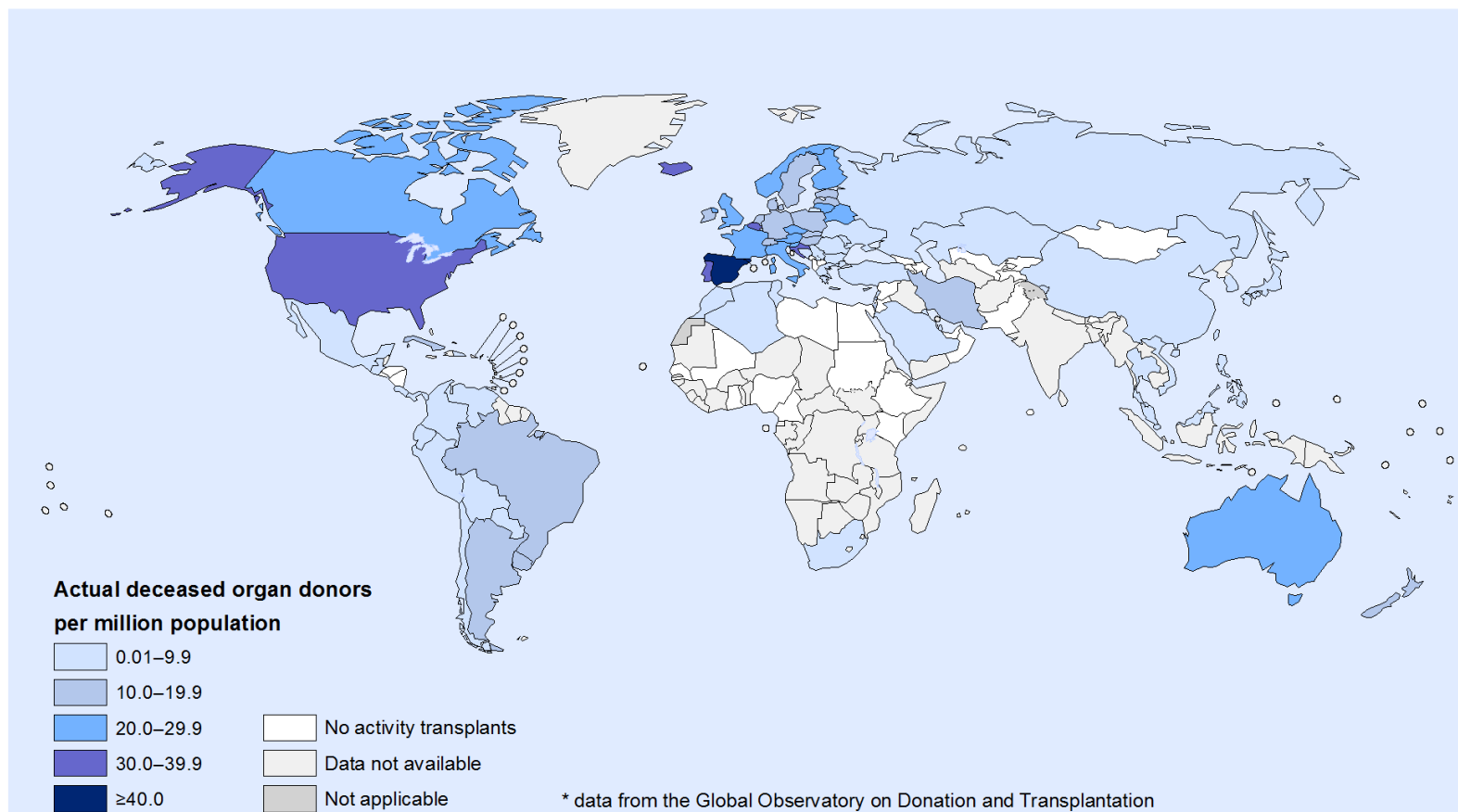


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Data Source: Global Observatory on Donation & Transplantation. Map Production: Information Evidence and Research (IER)
World Health Organization

Deceased Organ Donors

Actual donors from deceased persons, 2016*



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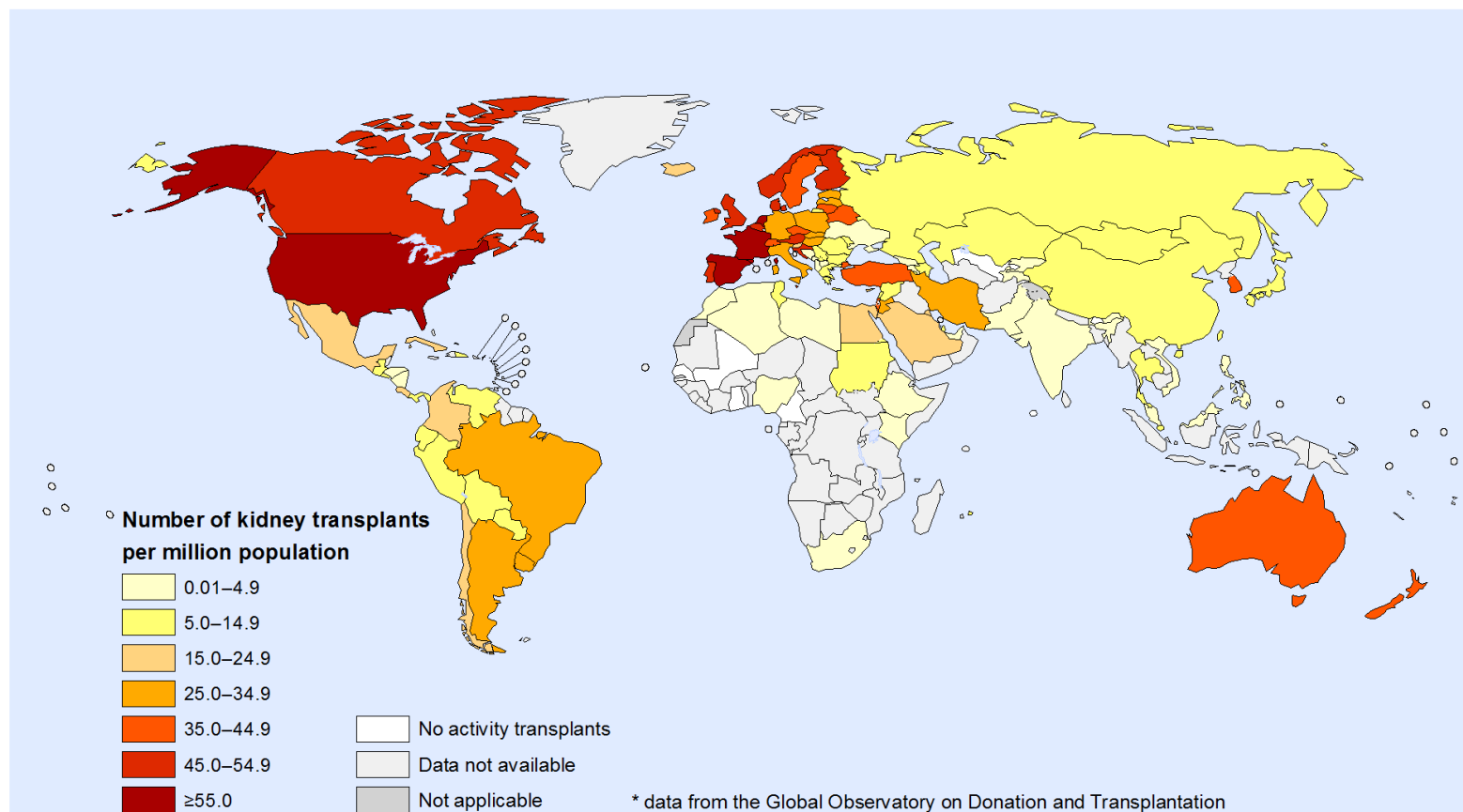


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Kidney transplants

Kidney transplantation activities, 2016*



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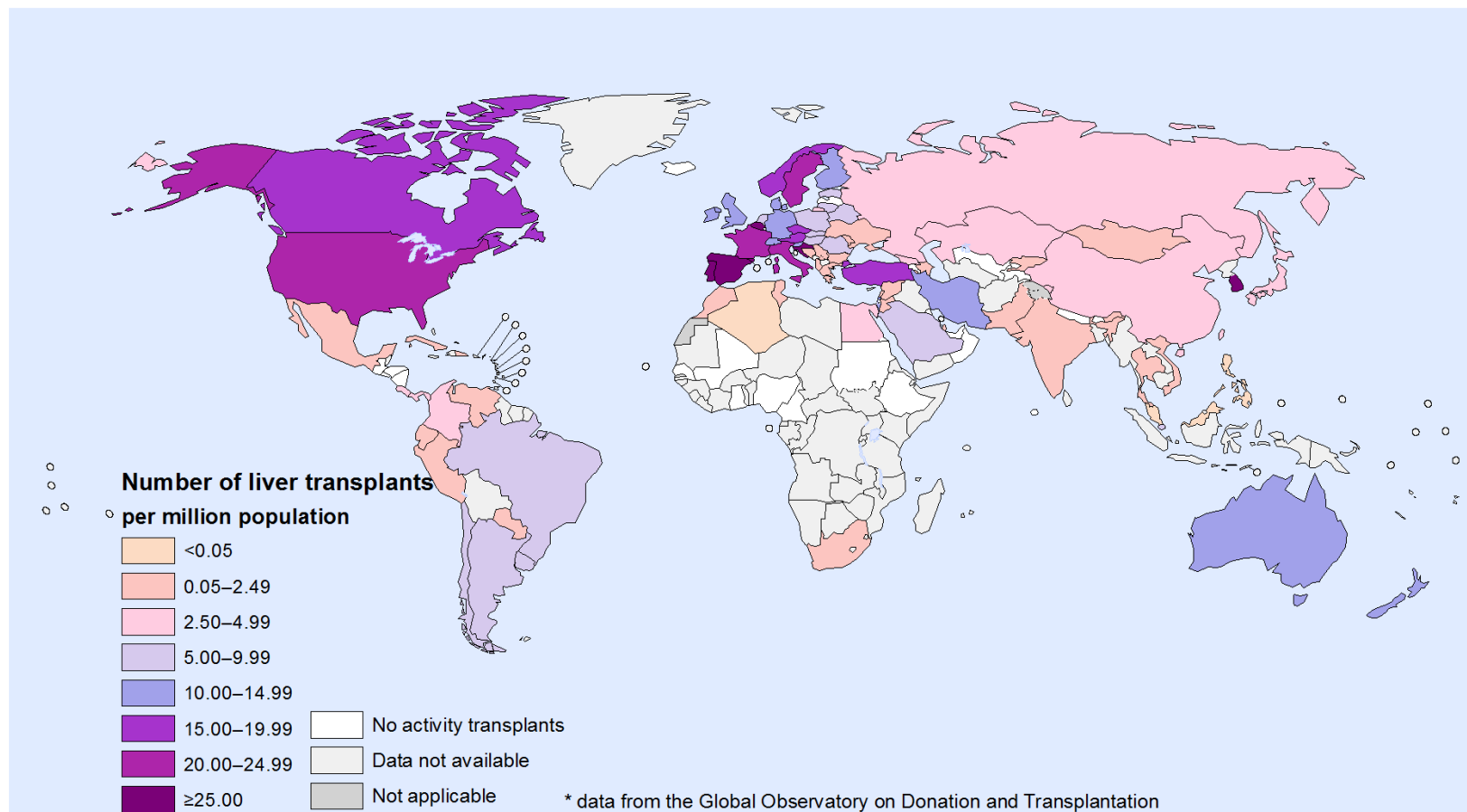


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Liver transplants

Liver transplantation activities, 2016*



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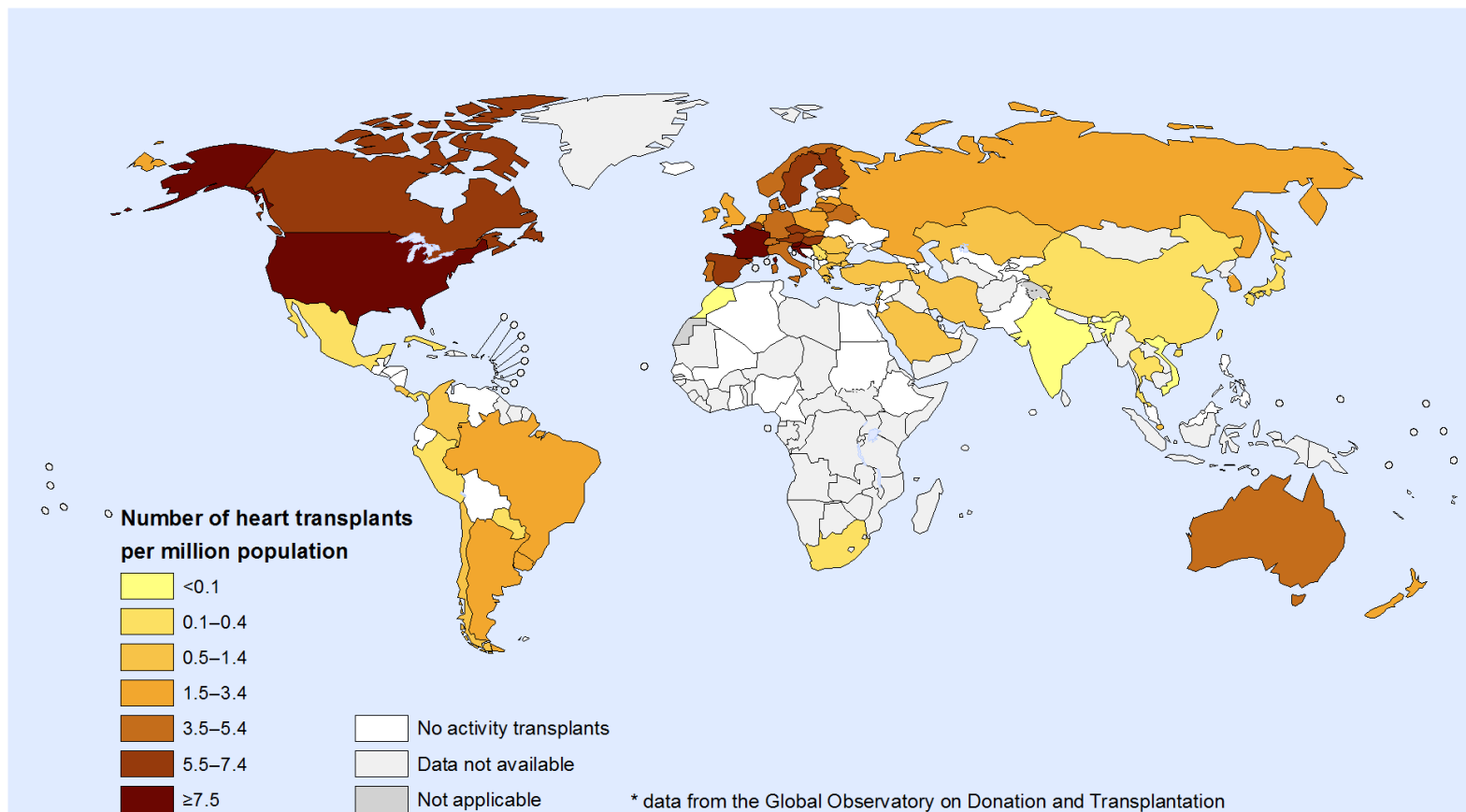


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Heart transplants

Heart transplantation activities, 2016*

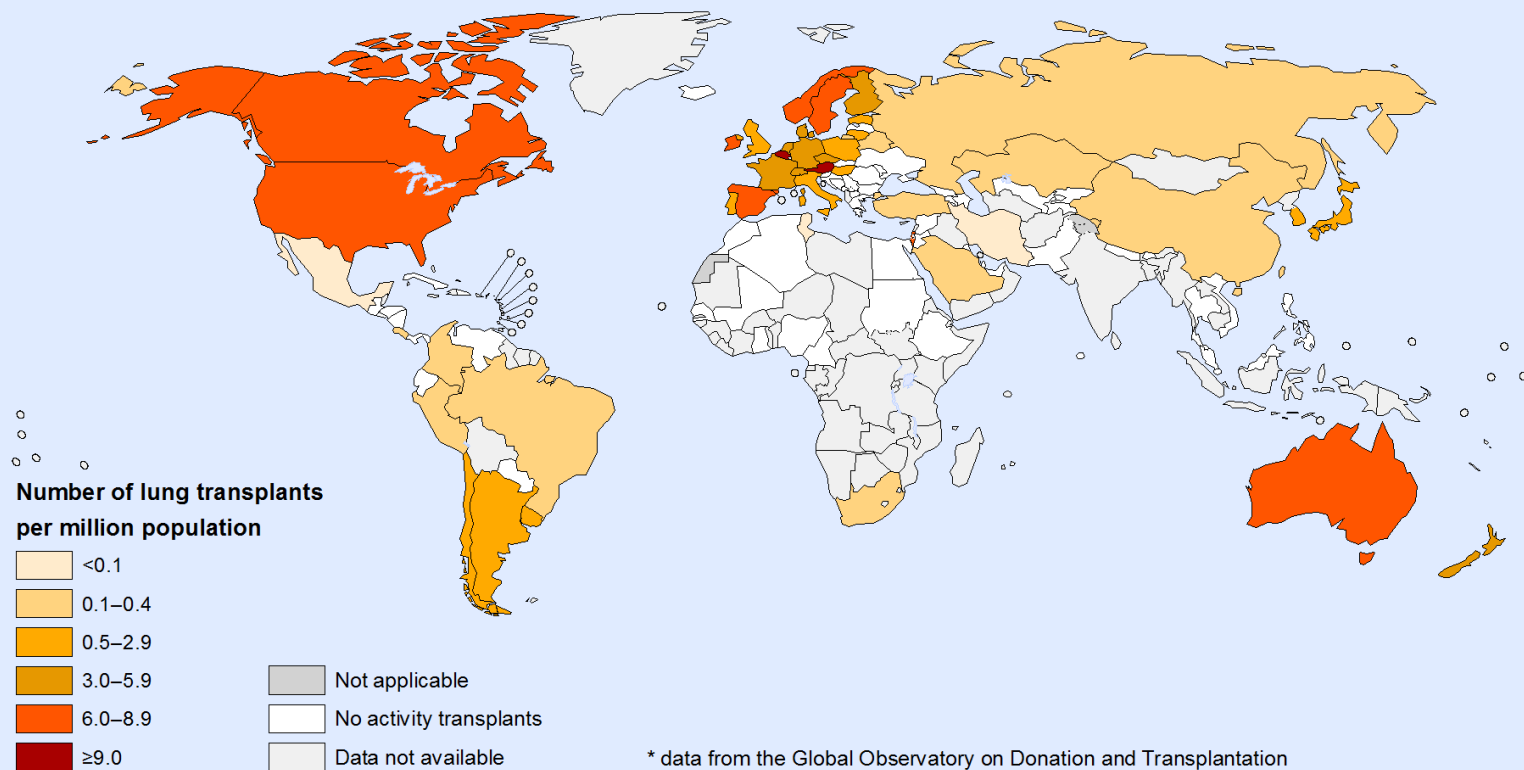


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Lung transplants

Lung transplantation activities, 2016*

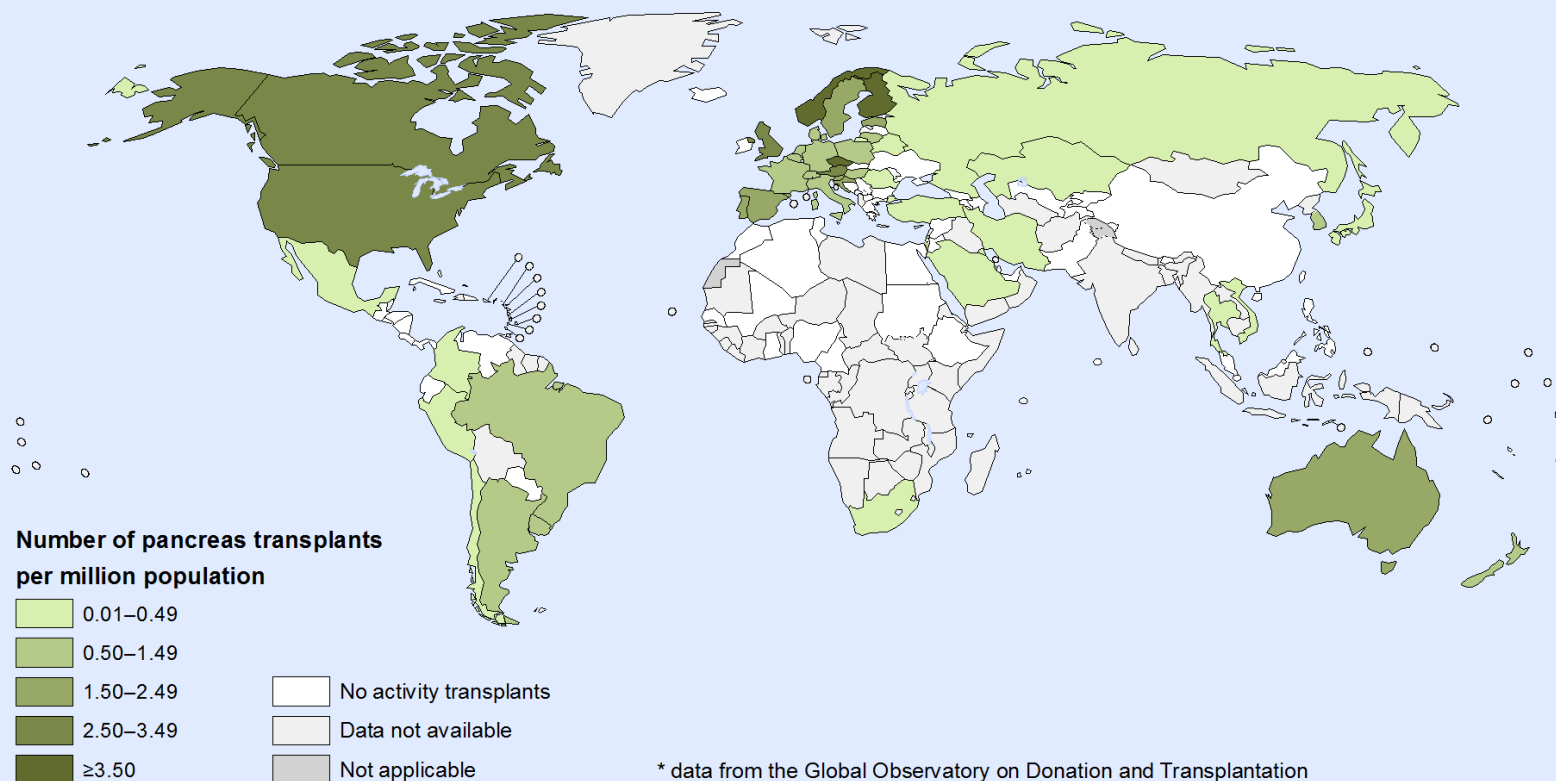


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Pancreas transplants

Pancreas transplantation activities, 2016*



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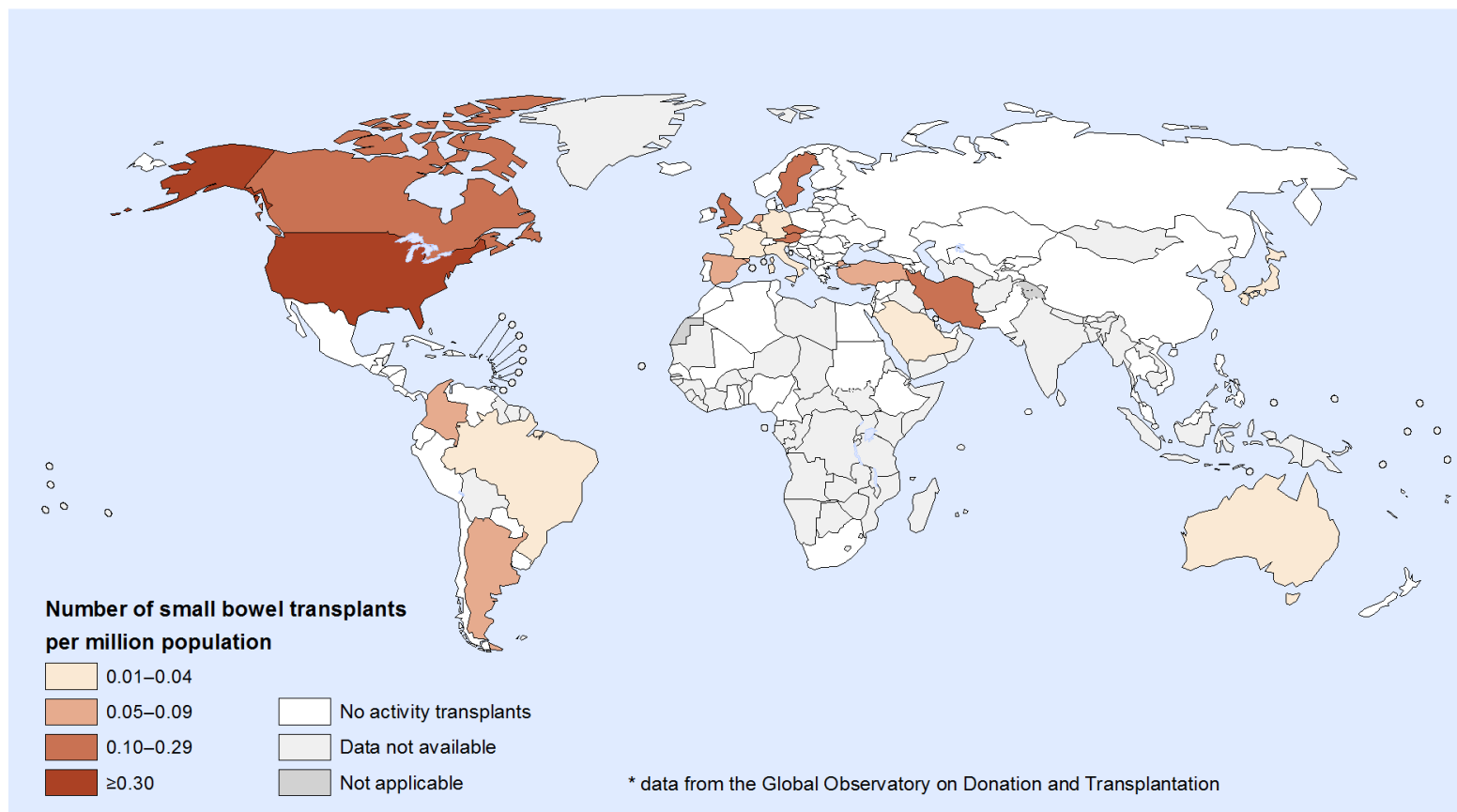


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Small bowel transplants

Small bowel transplantation activities, 2016*



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