



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

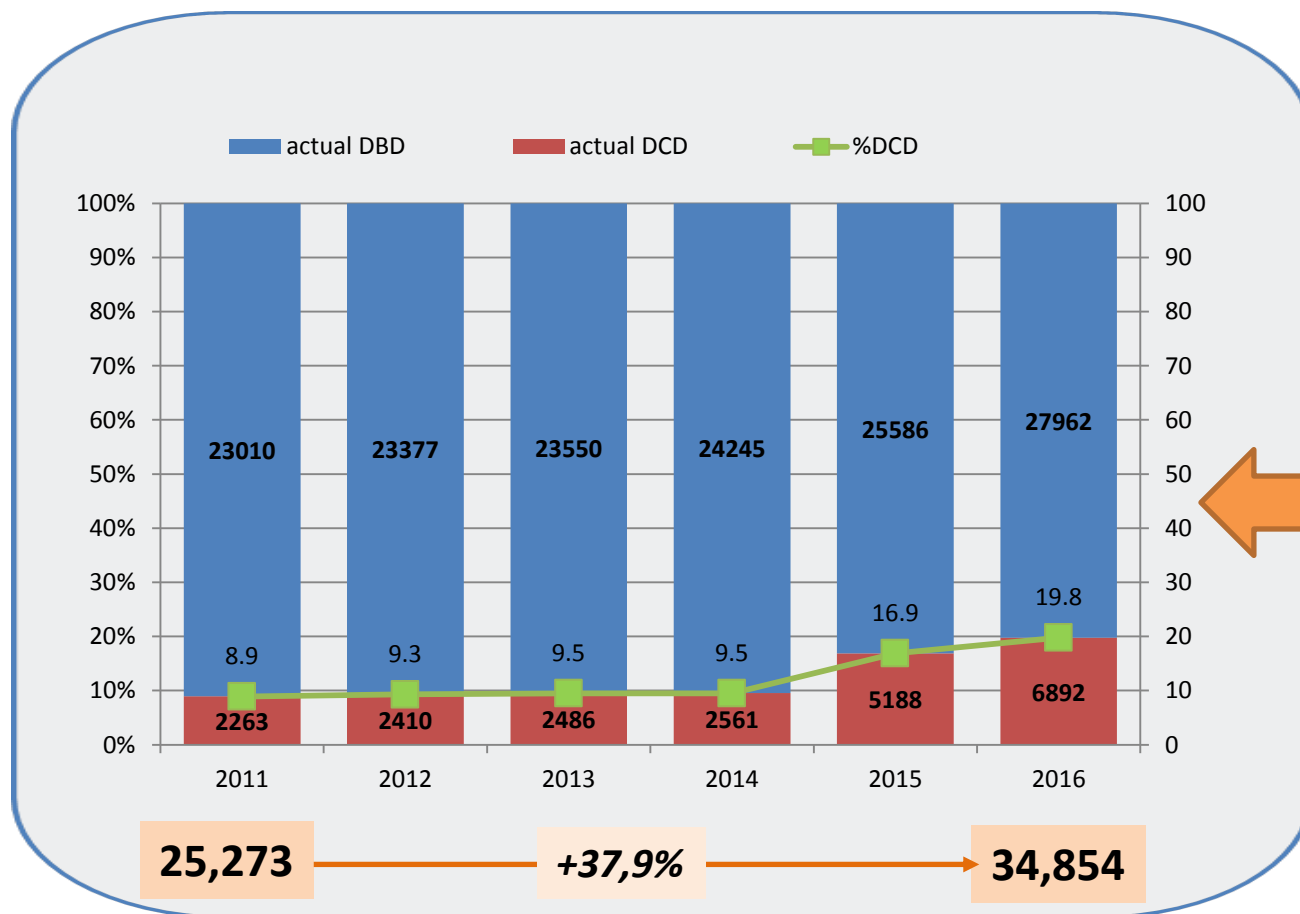
≤ 10% of global needs

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.

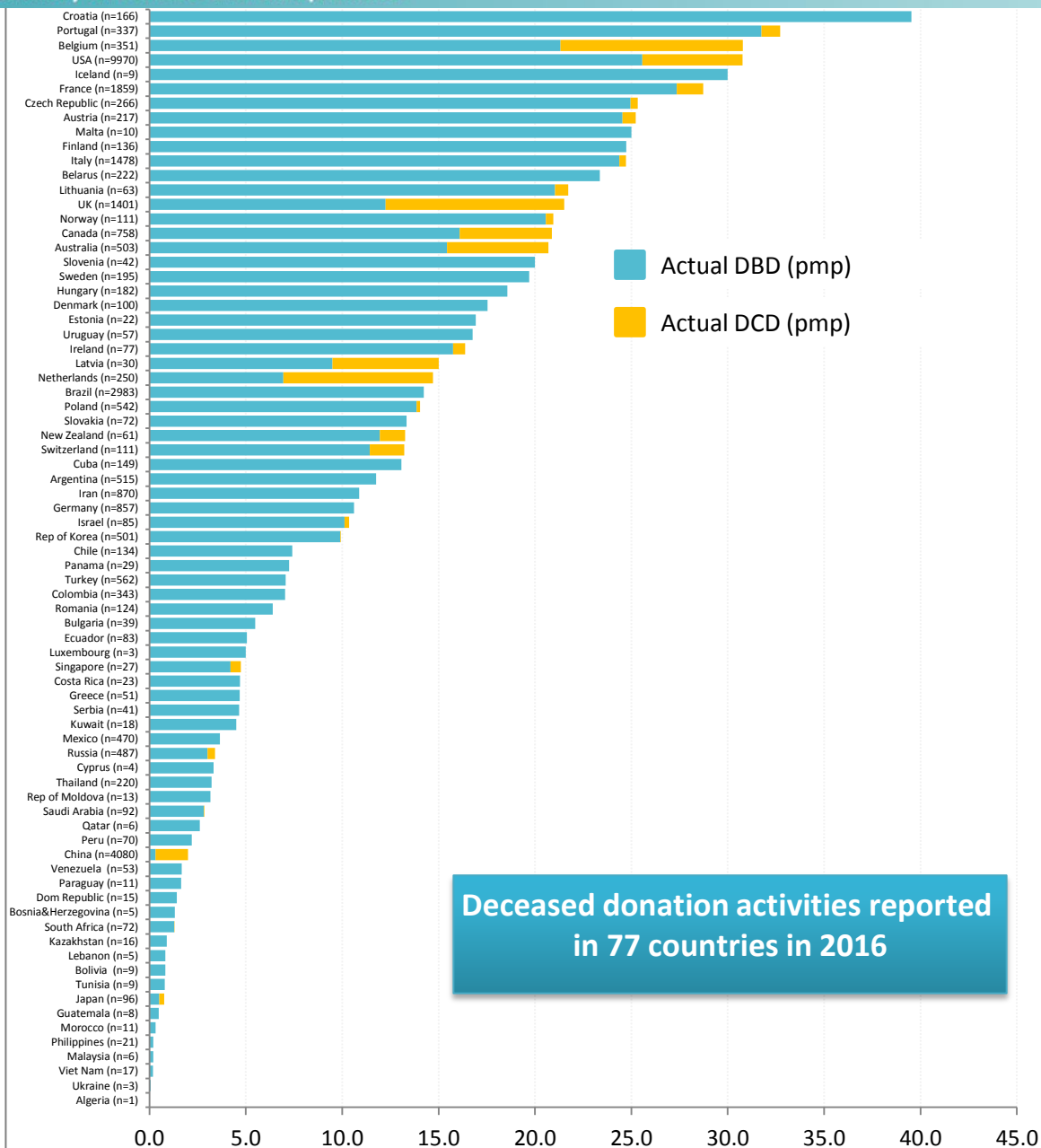
DECEASED ORGAN DONORS IN 2016: 34,854



DBD:
76
countries
DCD:
27
countries

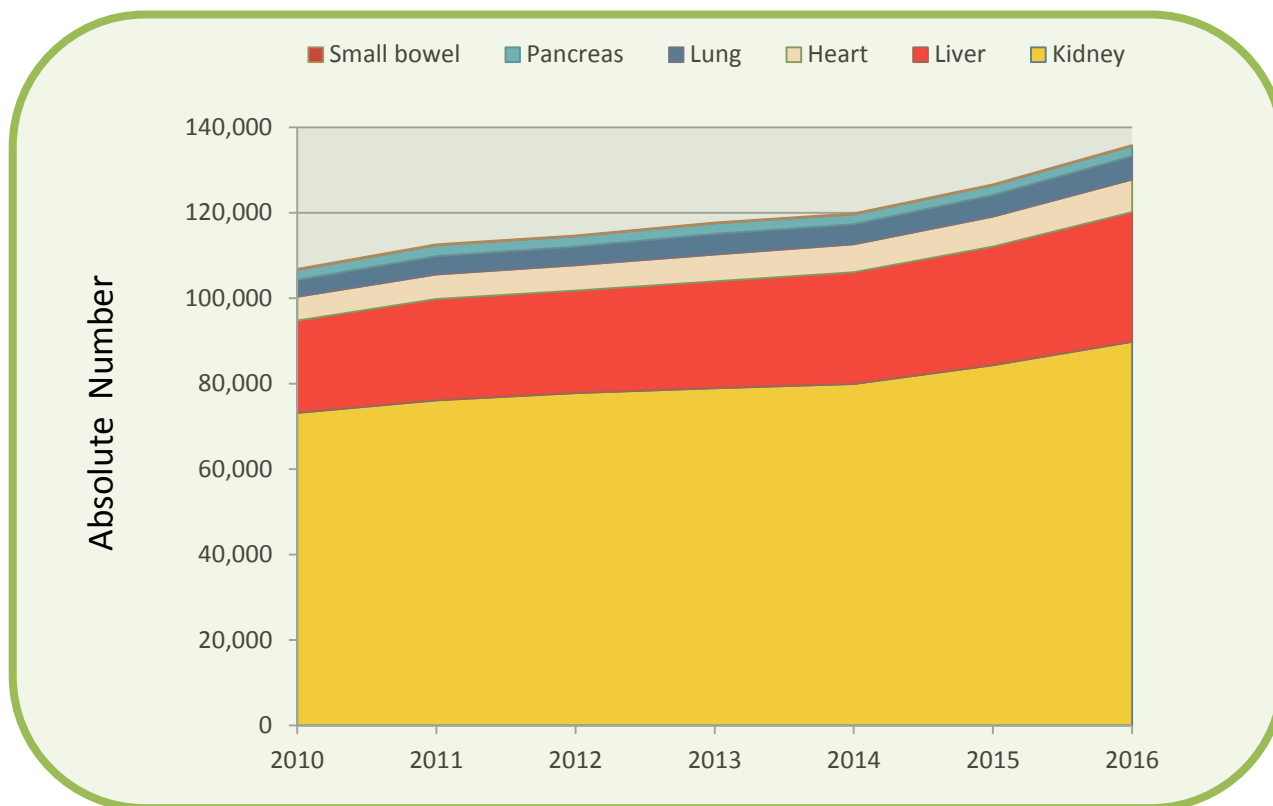
80.2%
donors
after brain
death
(DBD)

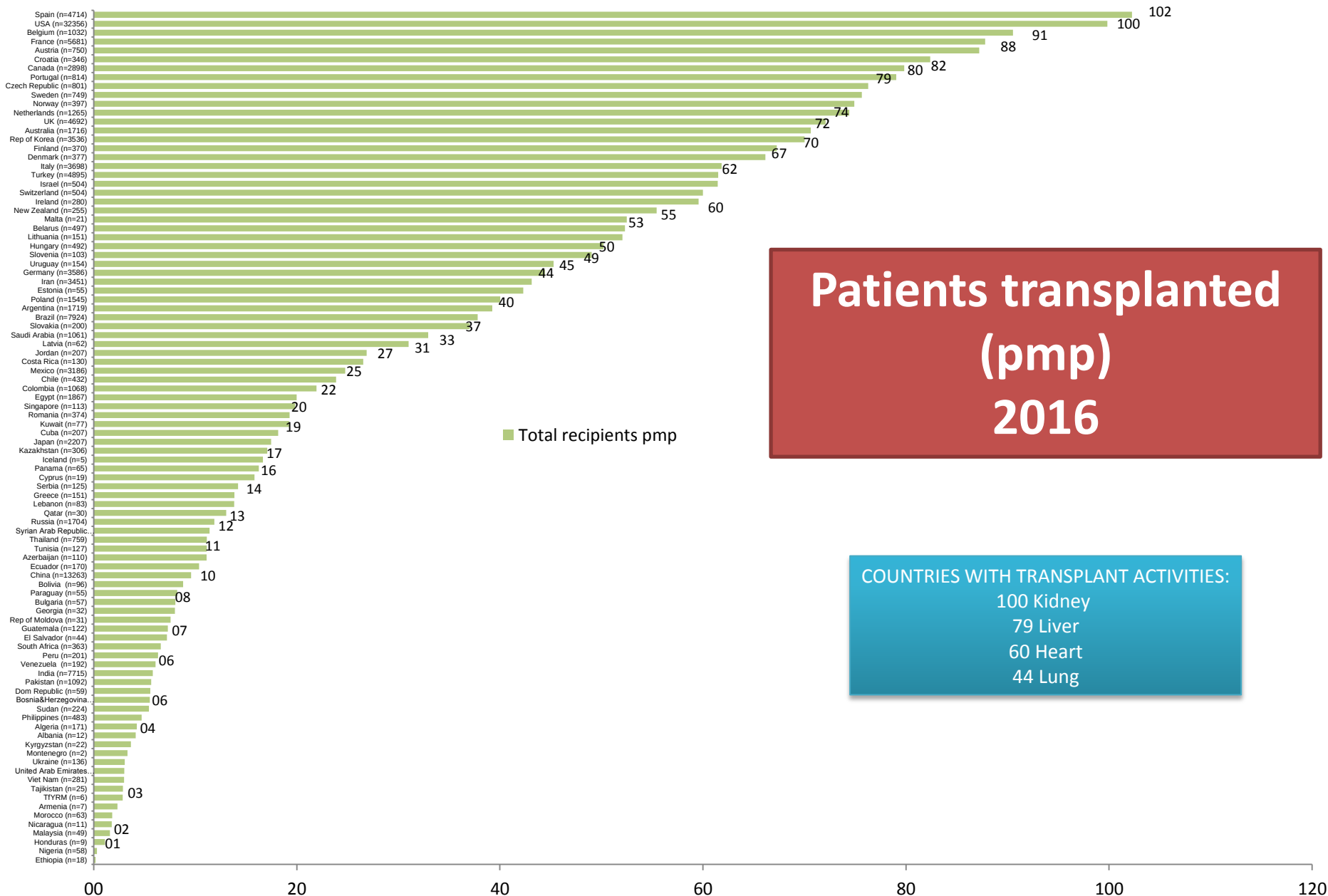
Absolute numbers of DCD and DBD. Percentage of DCD. Global data. 2011-2016

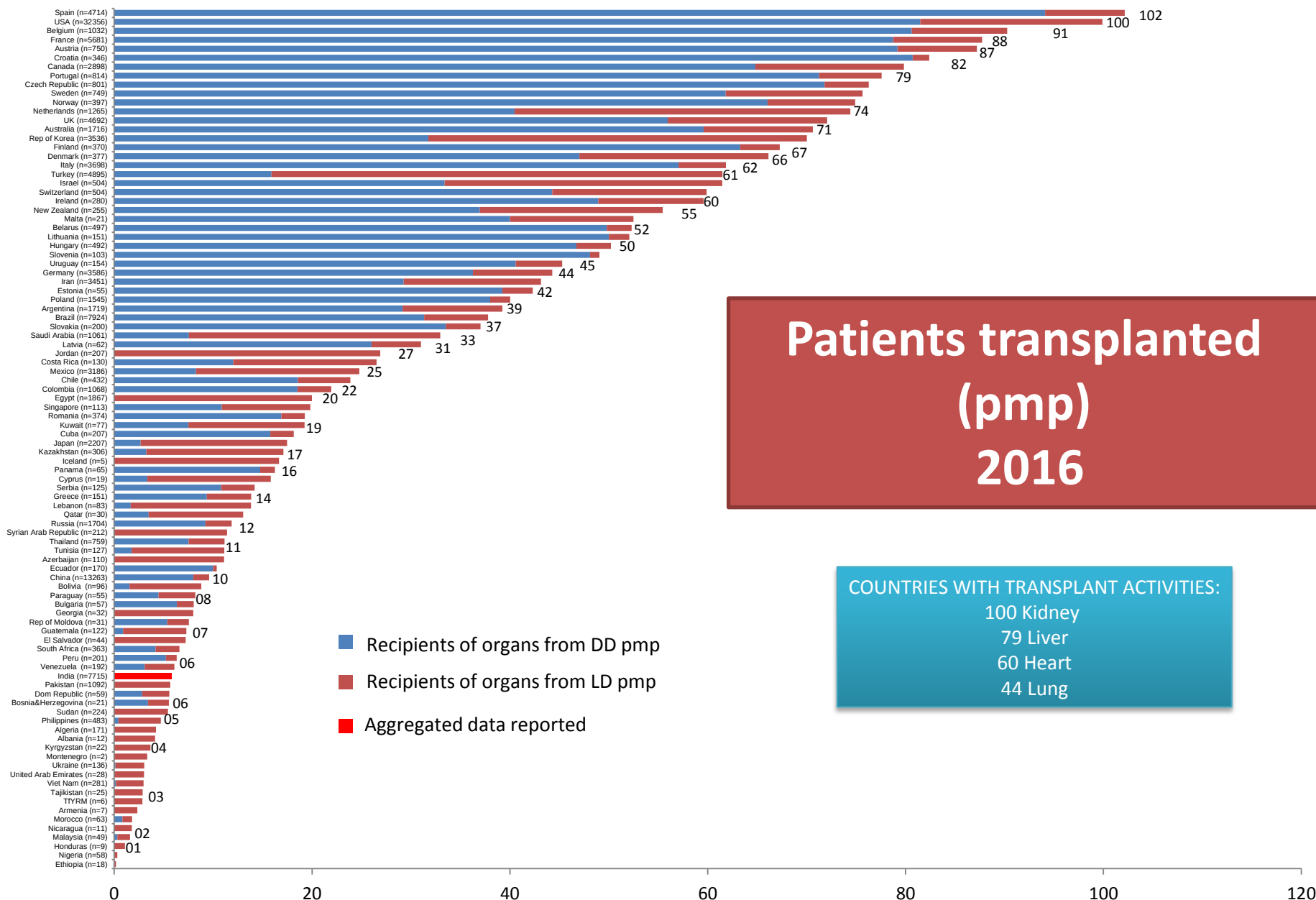


DECEASED
DONORS PMP
2016

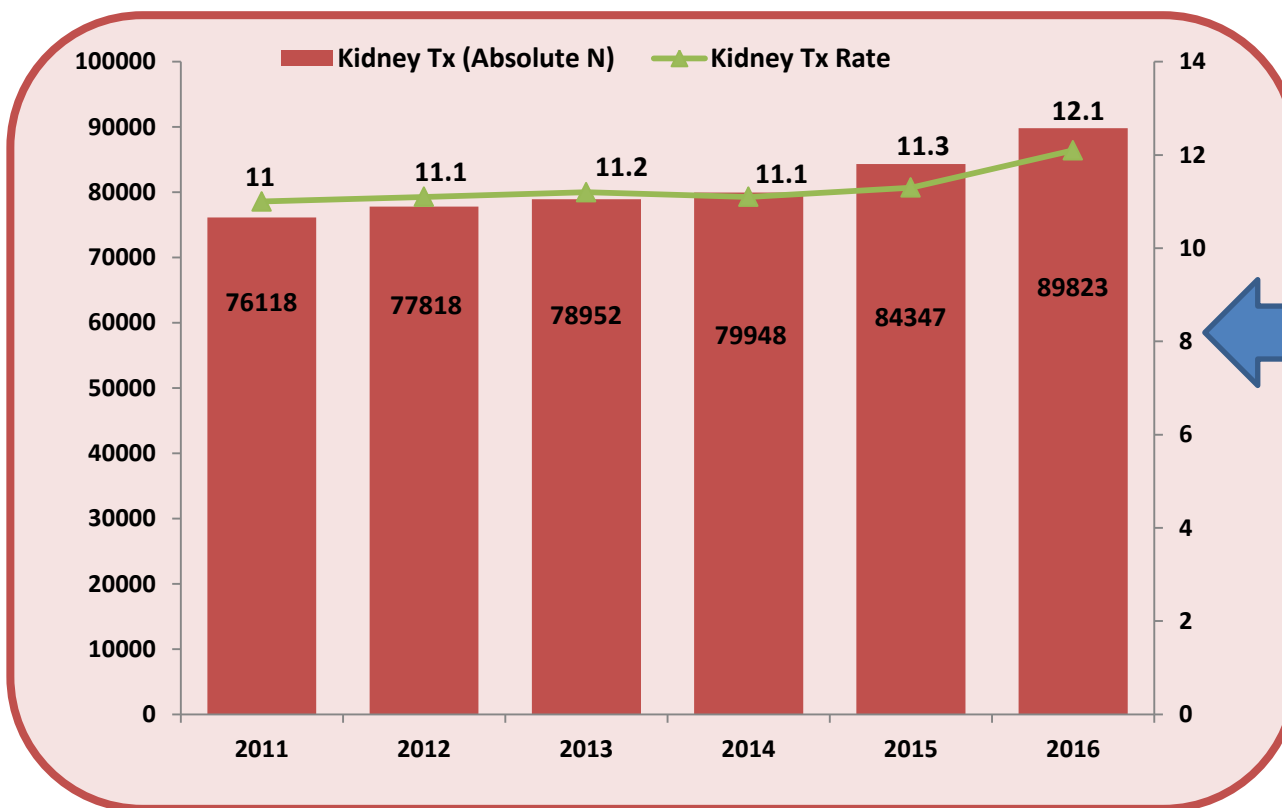
Evolution of global organ transplant activities per type of organ. 2010-2016.







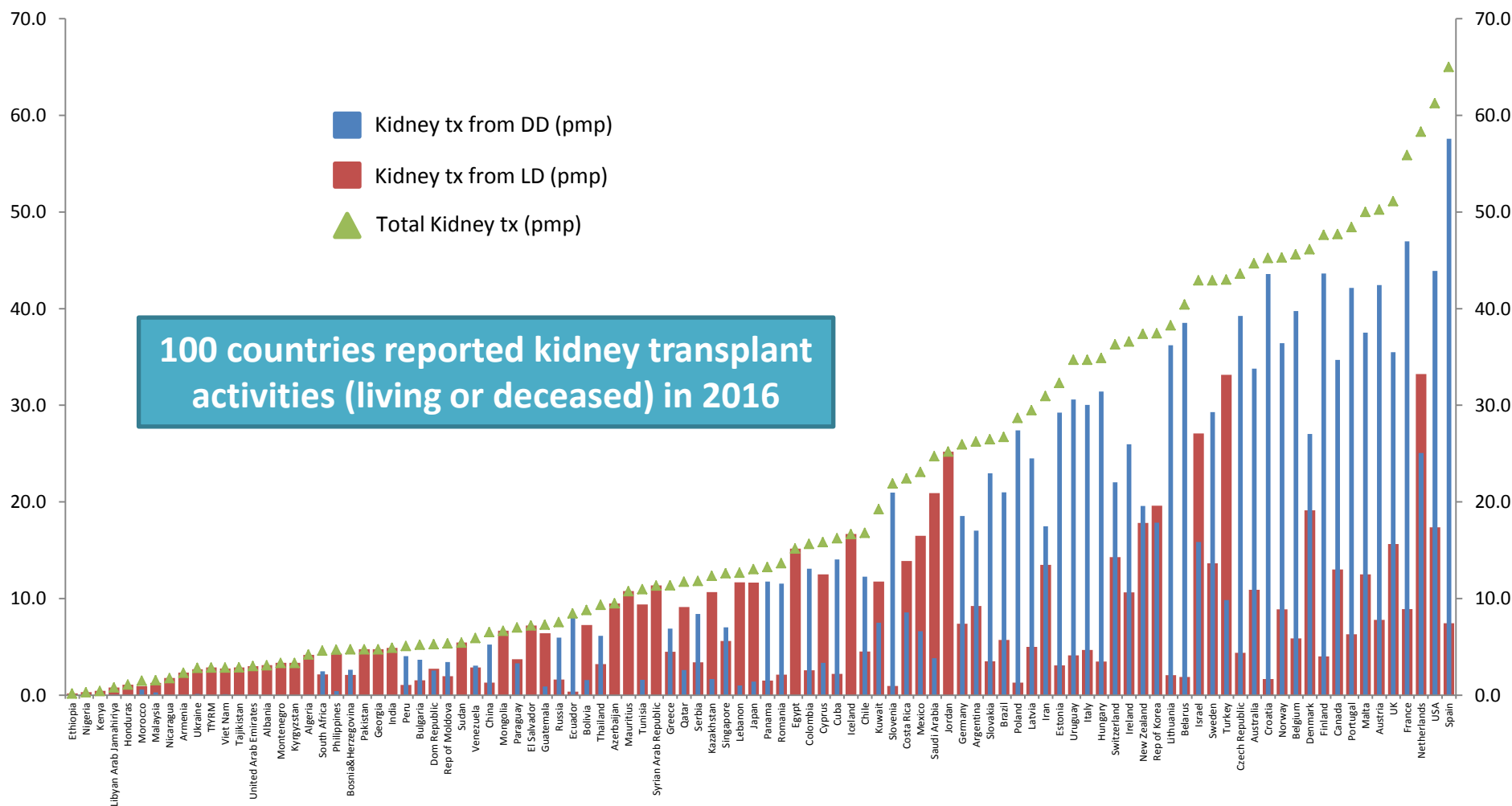
Progress of kidney transplant activities worldwide. Absolute numbers and rates. 2011-2016.



6.5% of
increase
over 2015.

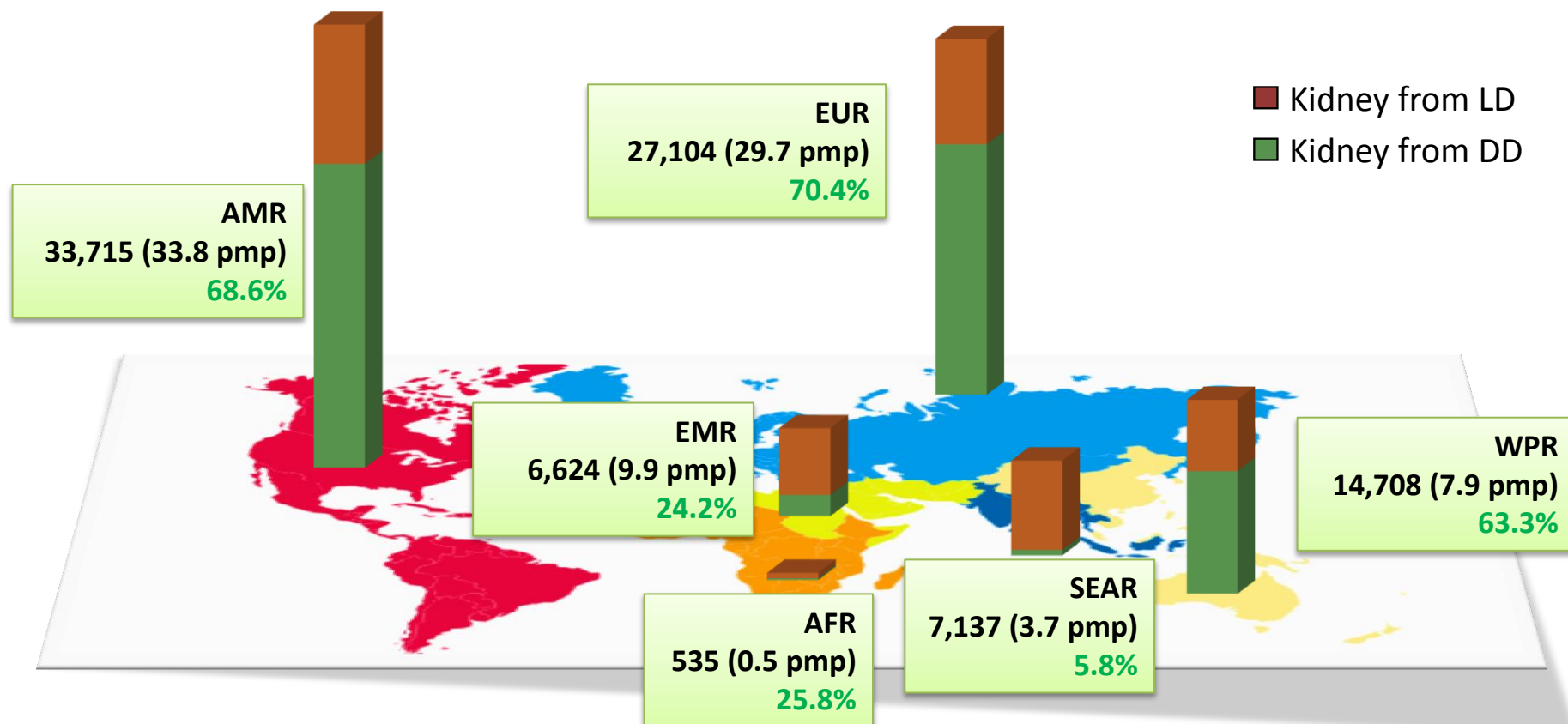
40.2 % from living donors

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

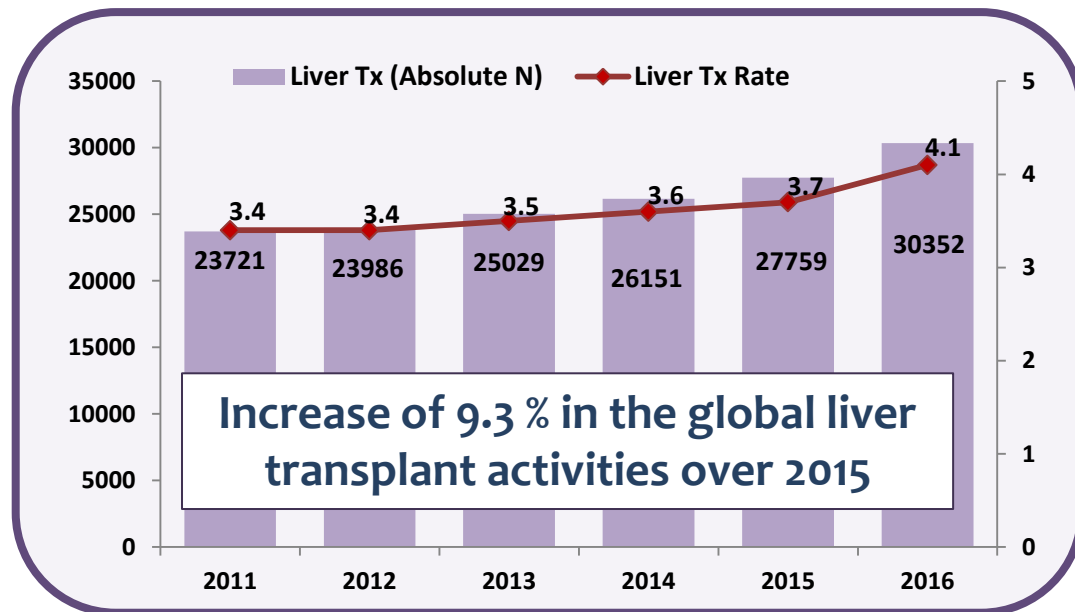


Kidney transplants *per* WHO region- 2016

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



Rates are estimated by using the regional population as the denominator



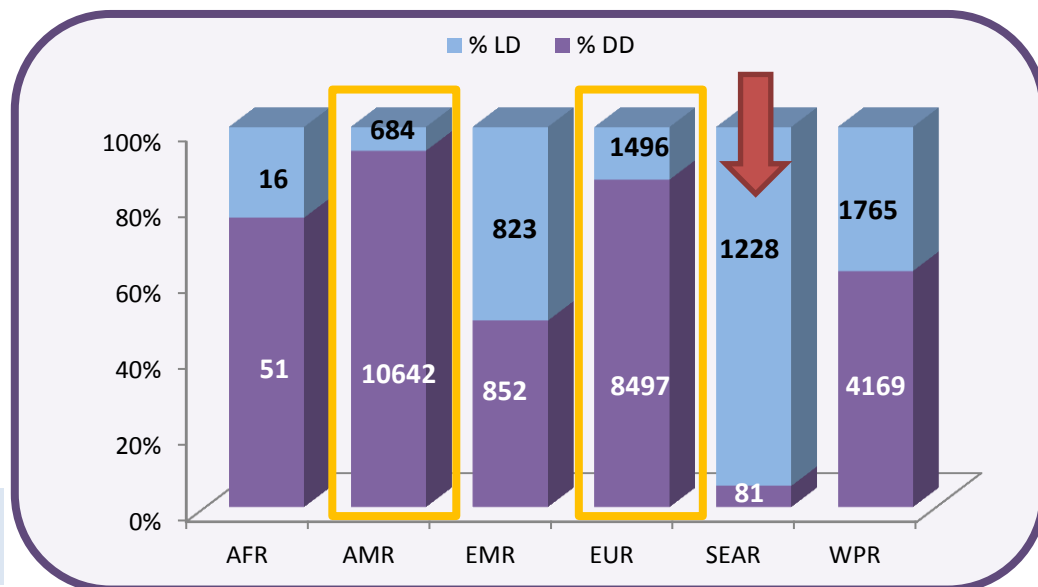
Evolution of the global liver transplant activities.

Absolute numbers and rates.
2011-2016.

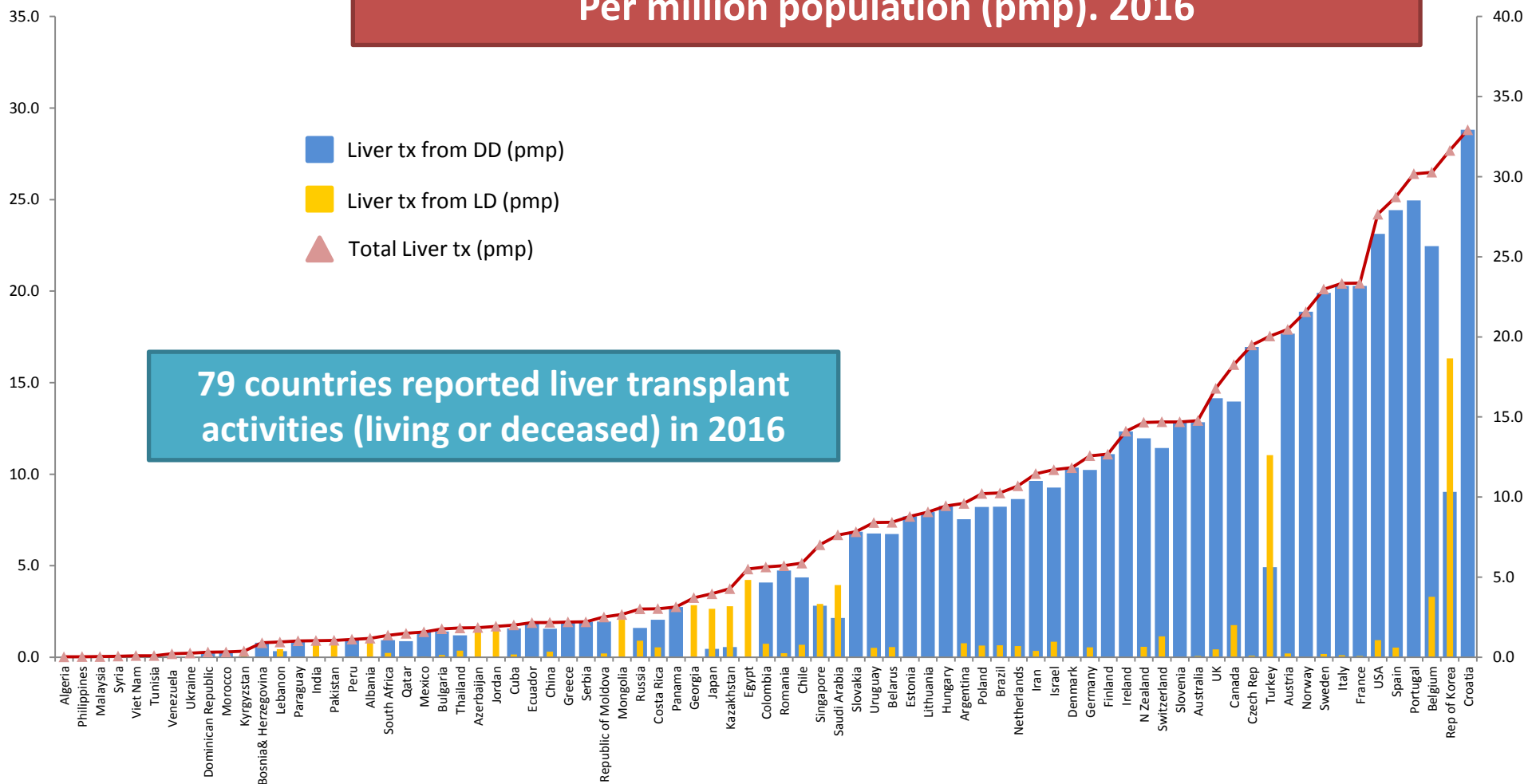
Distribution of liver transplants by WHO Regions.

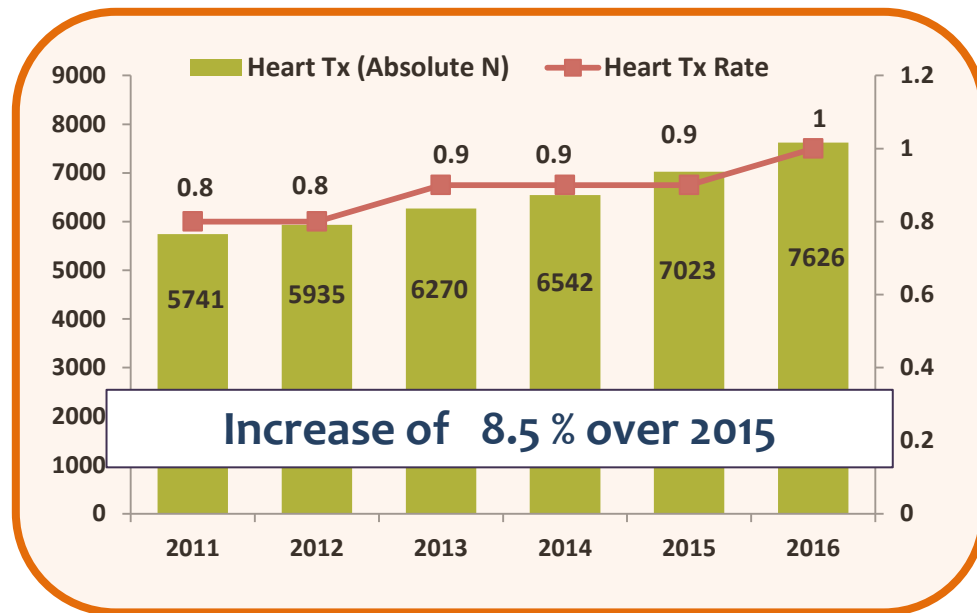
Percentages of transplants and absolute numbers depending on the type of donor. 2016.

19.8% from living donors



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





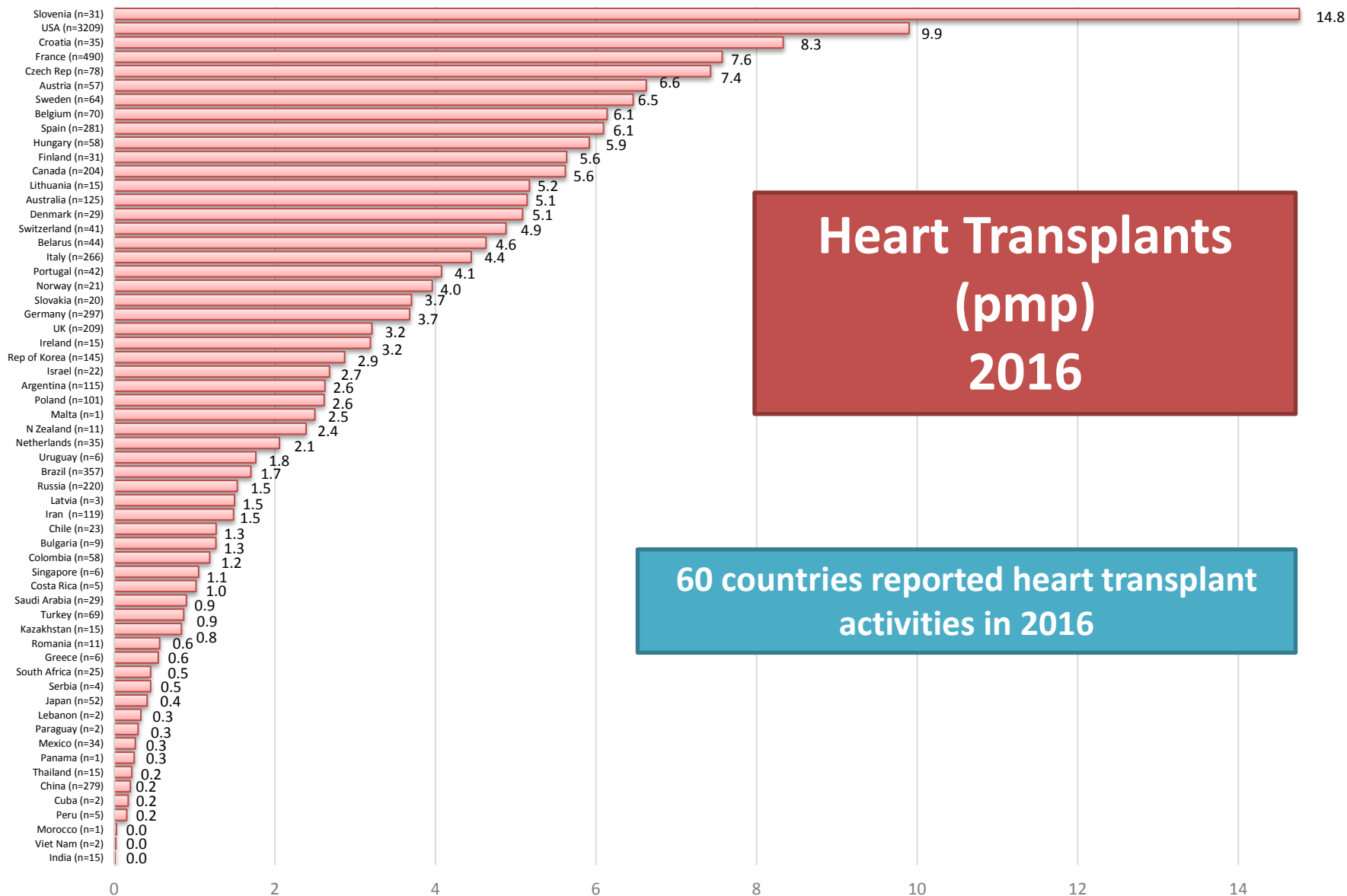
Progression of global heart transplant activities.

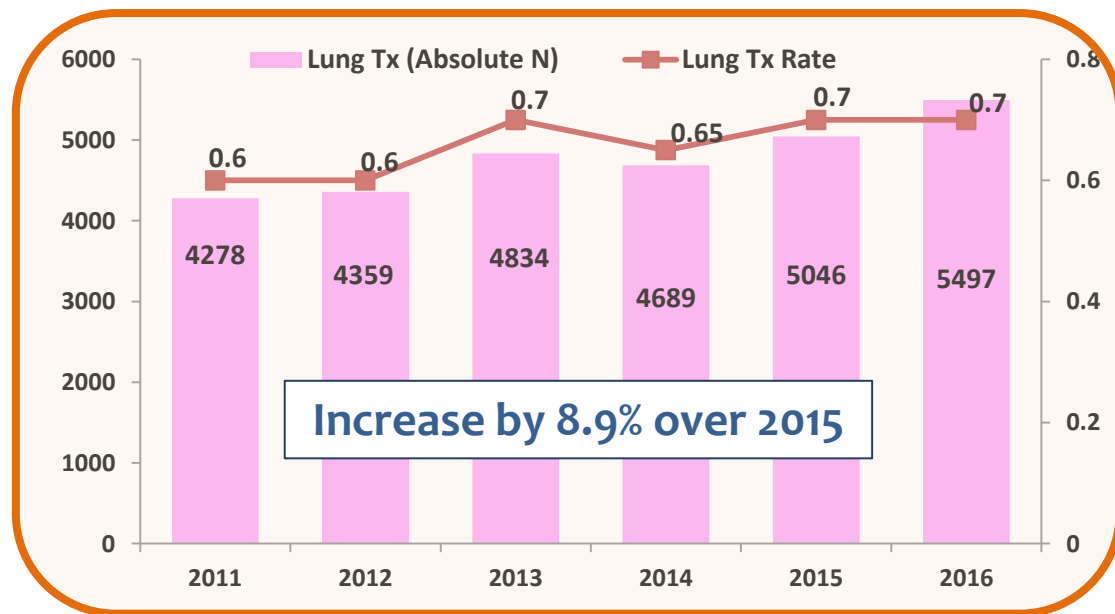
Absolute numbers and rates.
2011-2016.

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





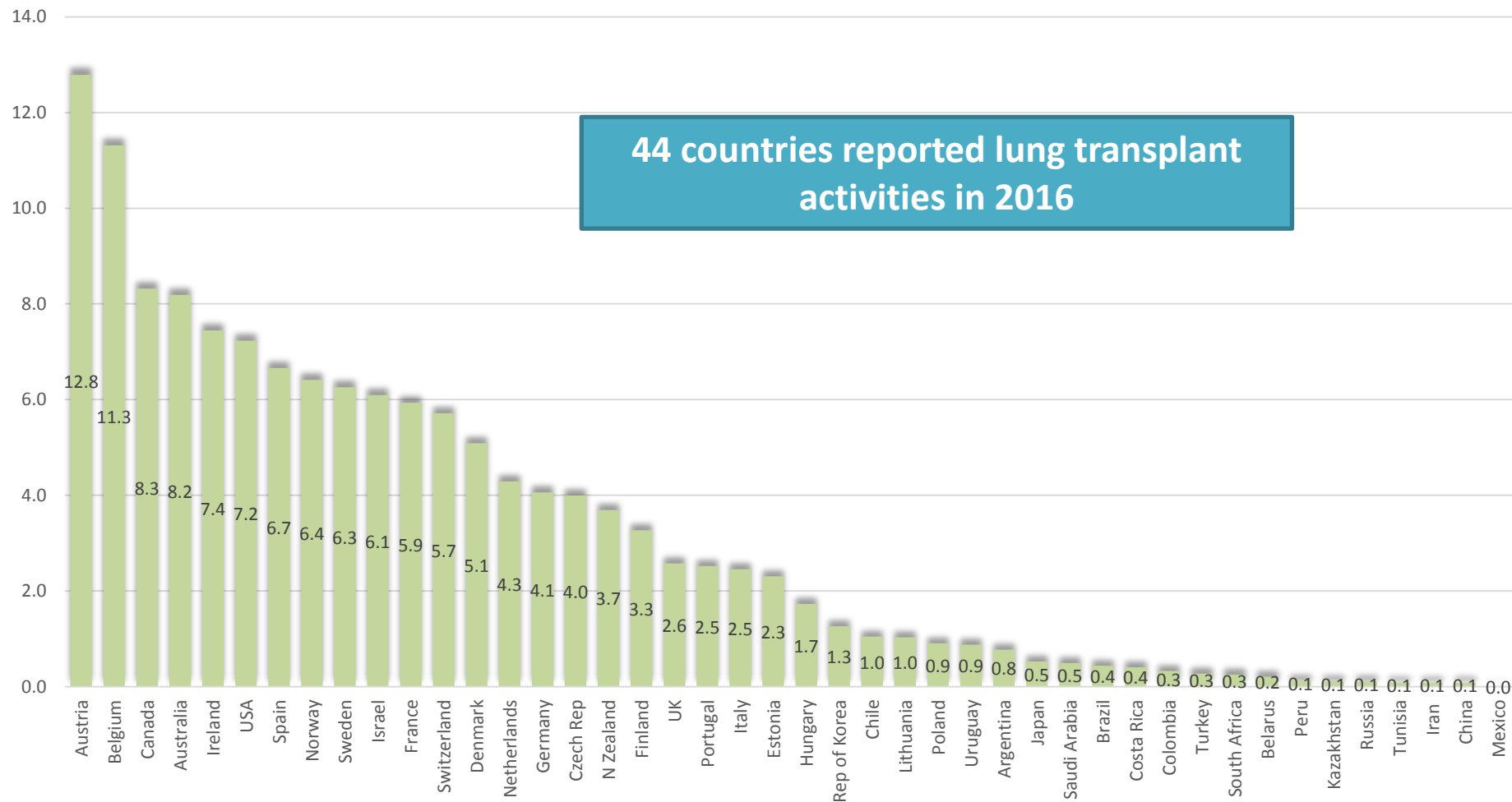
Evolution of worldwide lung transplant activities.

Absolute numbers and rates.
2011-2016

Distribution of lung transplants in the WHO regions. 2016

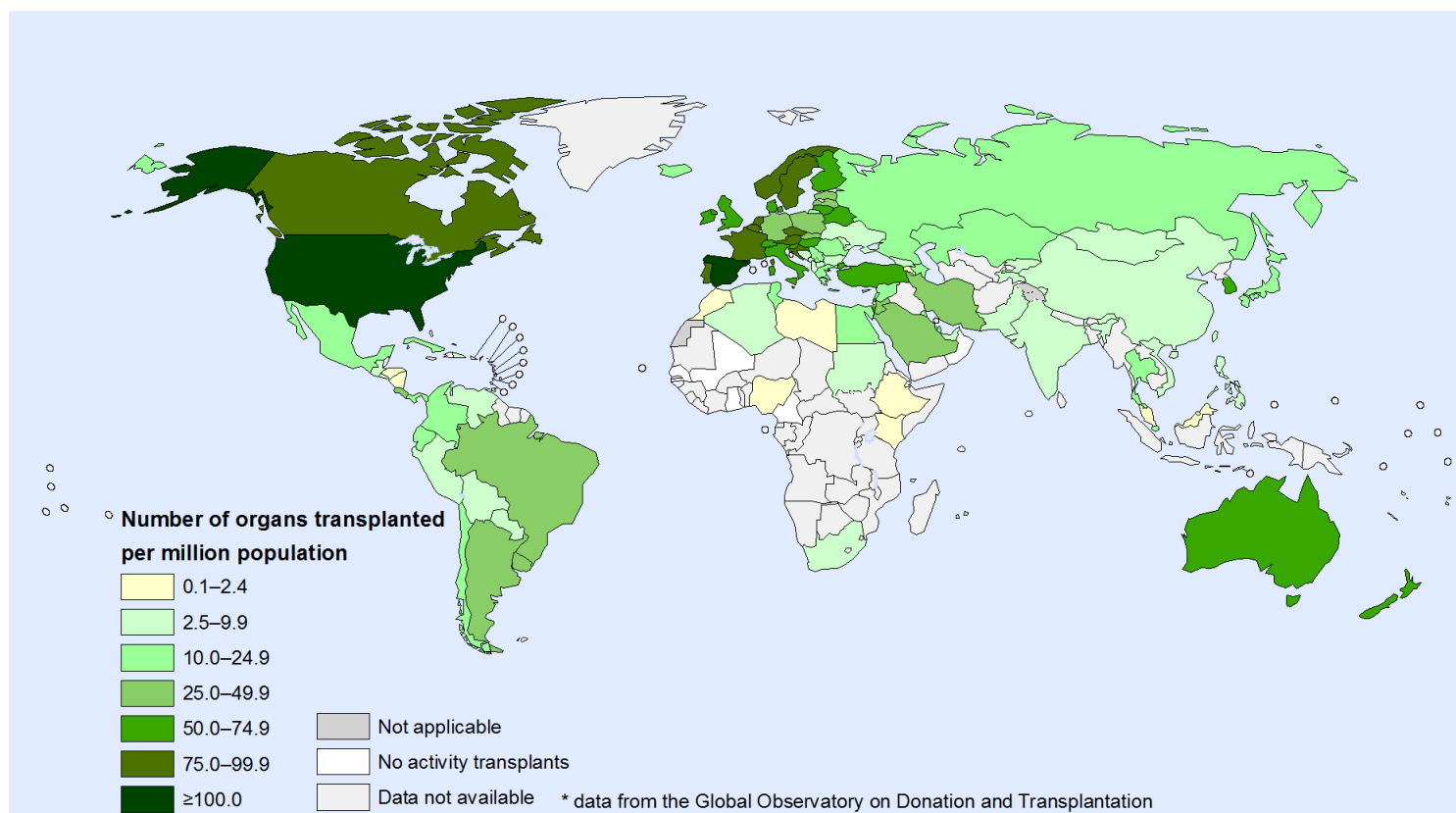
WHO Region	Number of Lung Transplants (pmp)	Number of Paediatric Lung Transplants (pmp) (<15 years old)	Number of countries
AFR	14 (0.01)	0 (0.0)	1
AMR	2818 (2.8)	31 (0.03)	10
EMR	24 (0.04)	1 (0.00)	3
EUR	2090 (2.3)	37 (0.04)	25
SEAR	0 (0.0)	0 (0.0)	0
WPR	551 (0.3)	30 (0.016)	5

Lung Transplants (pmp). 2016



Global Organ Transplants

Global transplantation activities of solid organs, 2016*



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

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

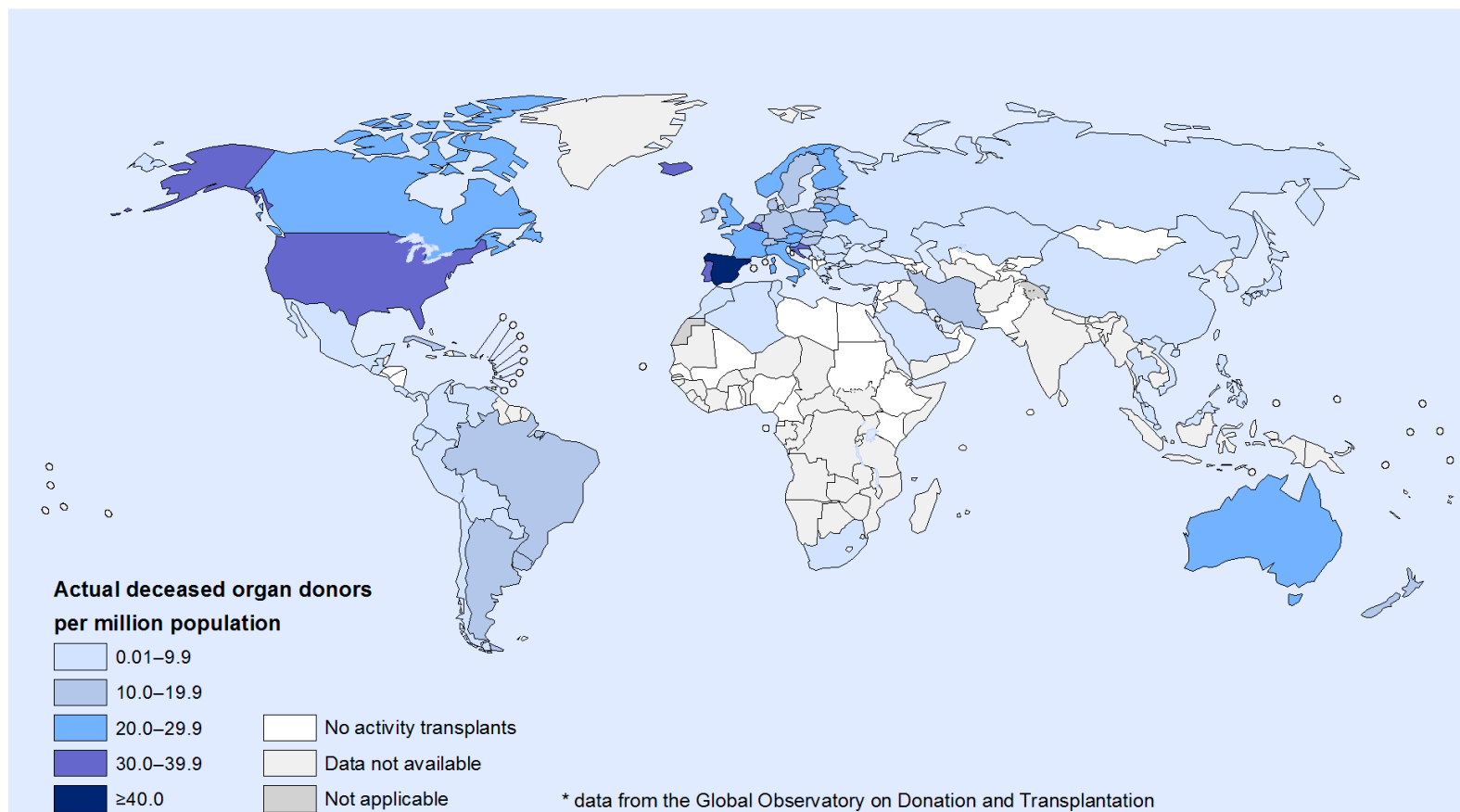


**World Health
Organization**

© WHO 2018. All rights reserved.

Deceased Organ Donors

Actual donors from deceased persons, 2016*



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

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

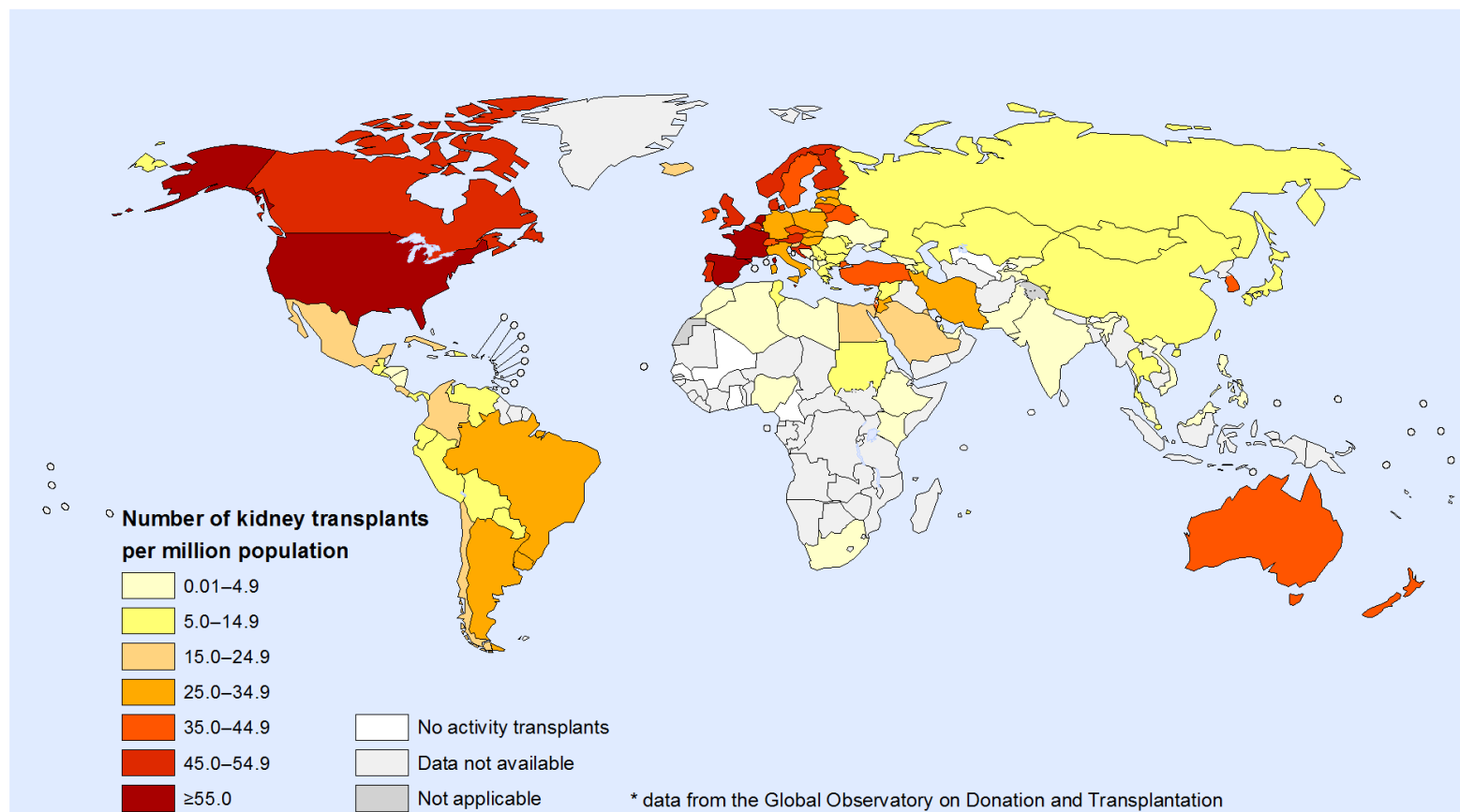


**World Health
Organization**

© WHO 2018. All rights reserved.

Kidney transplants

Kidney transplantation activities, 2016*



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

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

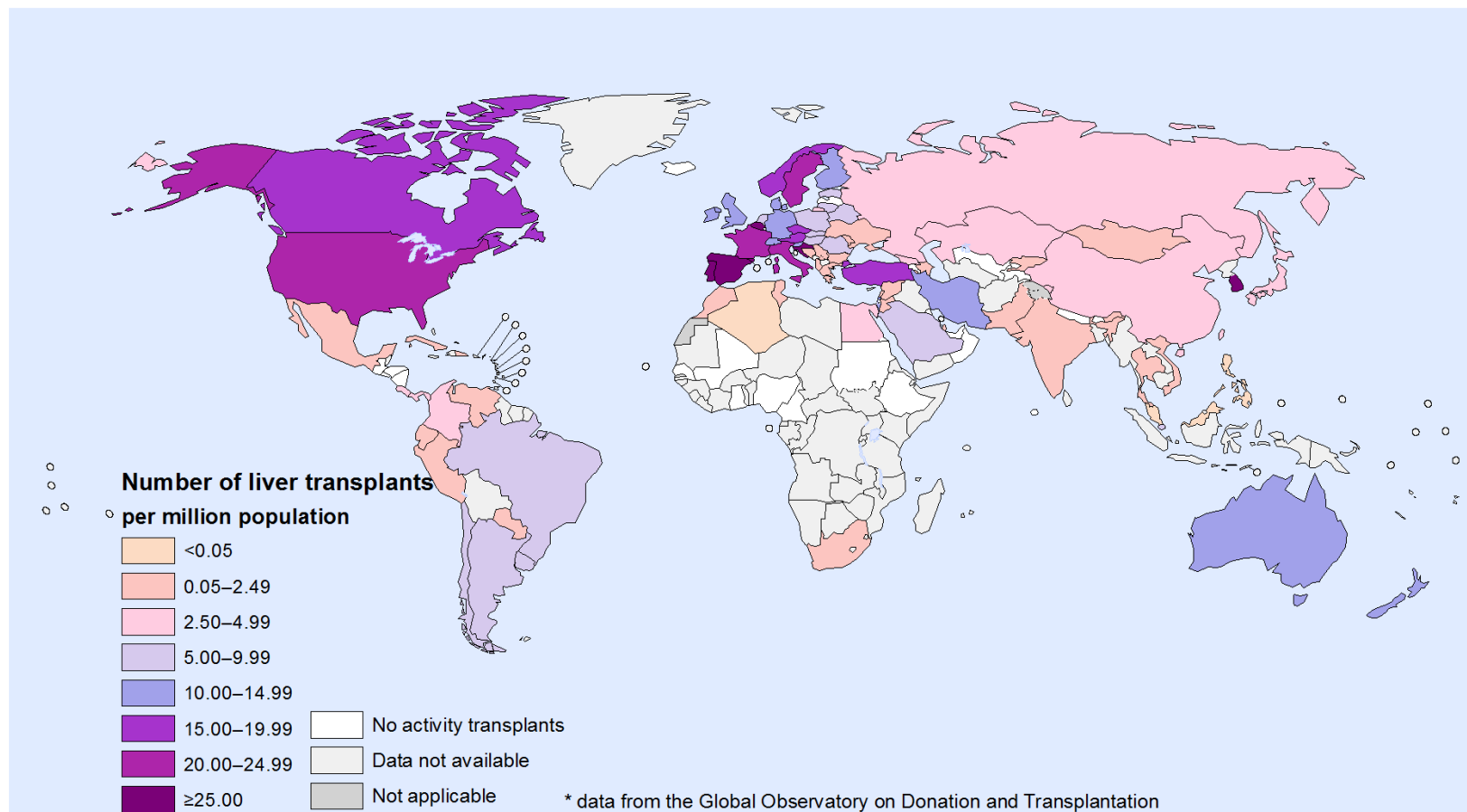


World Health
Organization

© WHO 2018. All rights reserved.

Liver transplants

Liver transplantation activities, 2016*



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

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

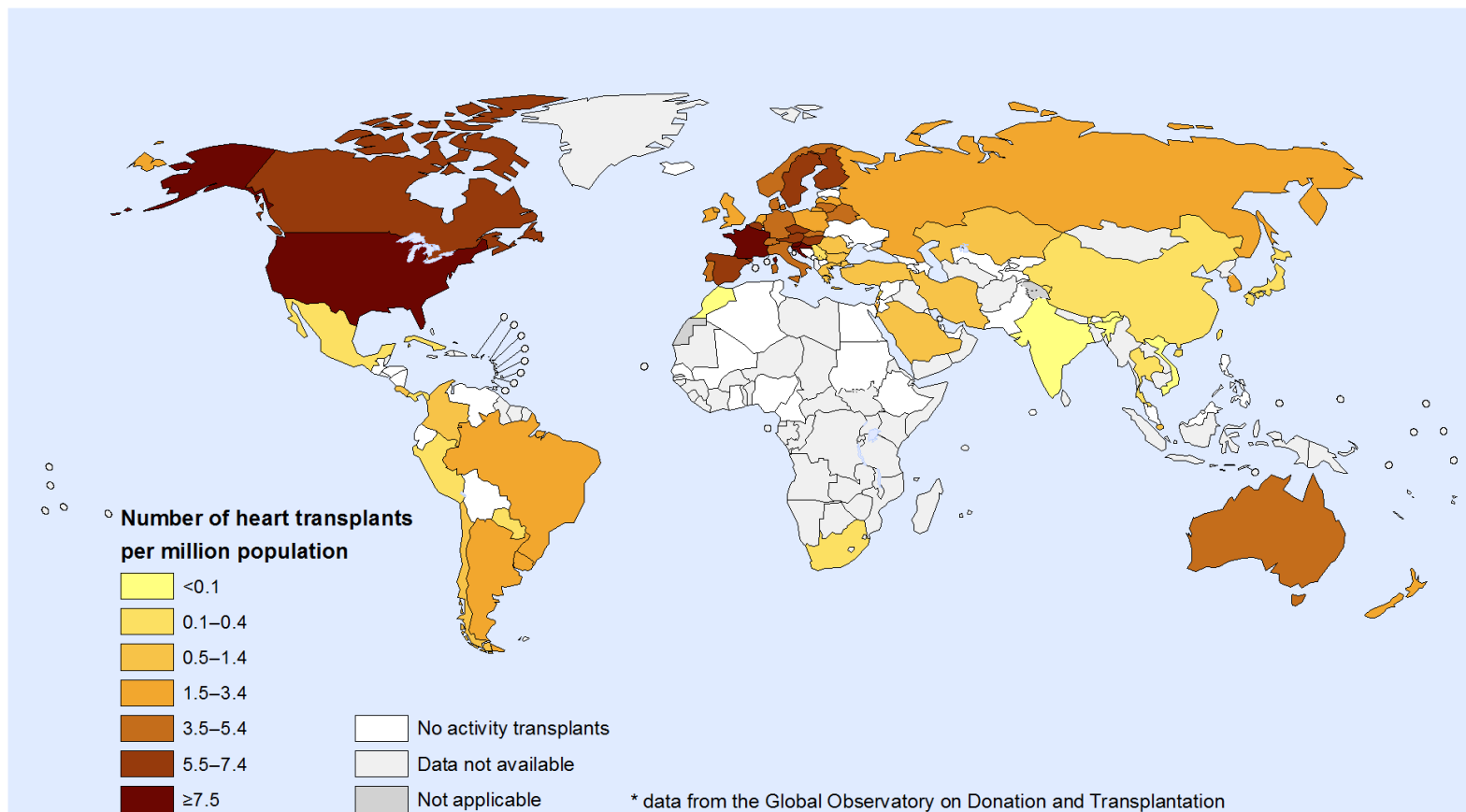


**World Health
Organization**

© WHO 2018. All rights reserved.

Heart transplants

Heart transplantation activities, 2016*

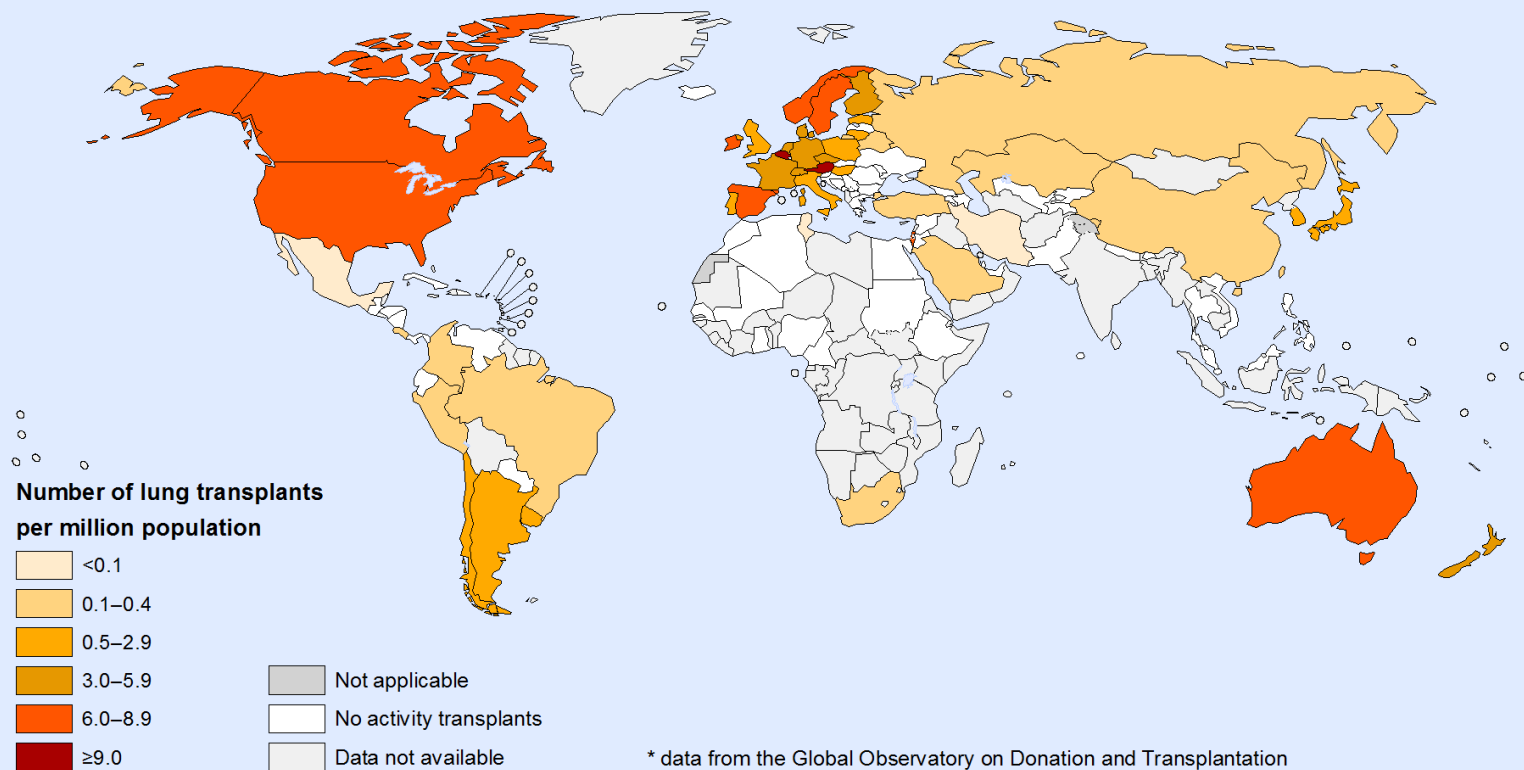


The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

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

Lung transplants

Lung transplantation activities, 2016*

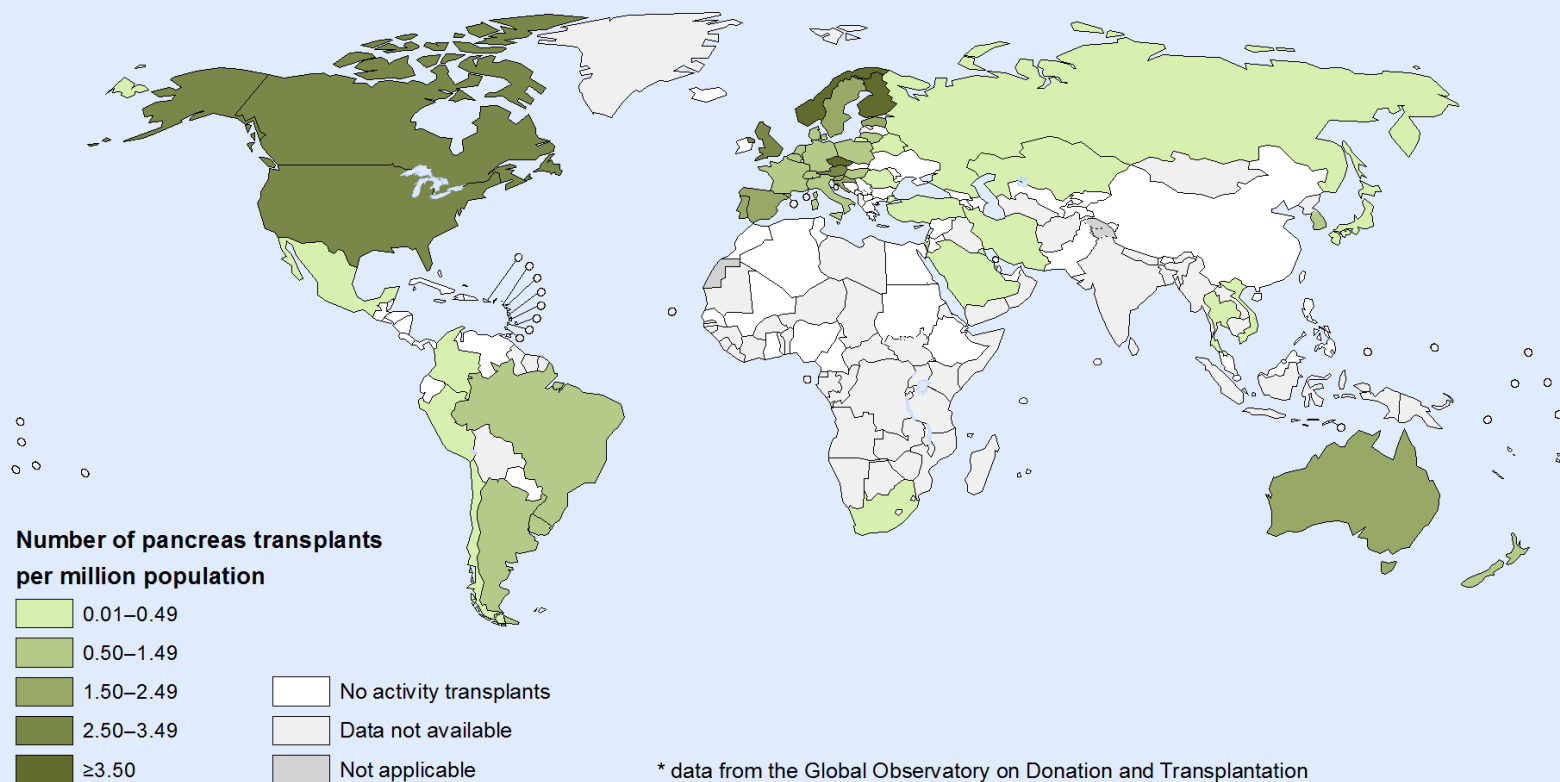


The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

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

Pancreas transplants

Pancreas transplantation activities, 2016*



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

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

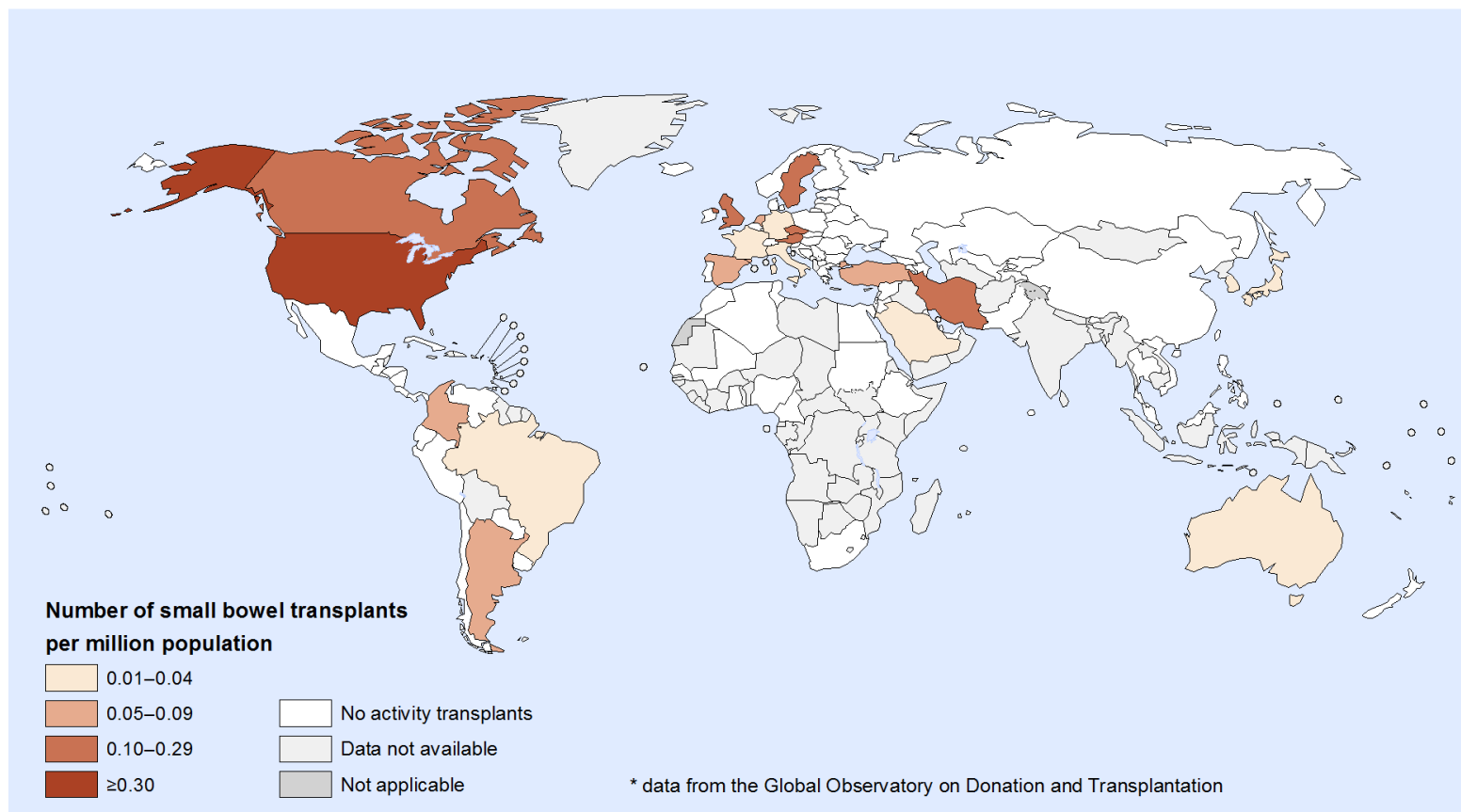


**World Health
Organization**

© WHO 2018. All rights reserved.

Small bowel transplants

Small bowel transplantation activities, 2016*



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

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

Disclaimer

The data and information presented here are published in order to promote transparency in transplantation activities.

Whenever possible this information has been confirmed by official national sources. However, in some instances, there are still provisional estimates. It is therefore anticipated that some data presented may be modified without prior notice.

As the facts displayed here are not definitive, they cannot be reproduced or quoted unless shown with the above warning and the date.