

NEWSLETTER TRANSPLANT

International figures
on donation and
transplantation

2015



EDQM
Volume 21
2016

INTERNATIONAL FIGURES ON ORGAN, TISSUE & HEMATOPOIETIC STEM CELL DONATION & TRANSPLANTATION ACTIVITIES. DOCUMENTS PRODUCED BY THE COUNCIL OF EUROPE EUROPEAN COMMITTEE (PARTIAL AGREEMENT) ON ORGAN TRANSPLANTATION (CD-P-TO). YEAR 2015

Editor: Rafael Matesanz

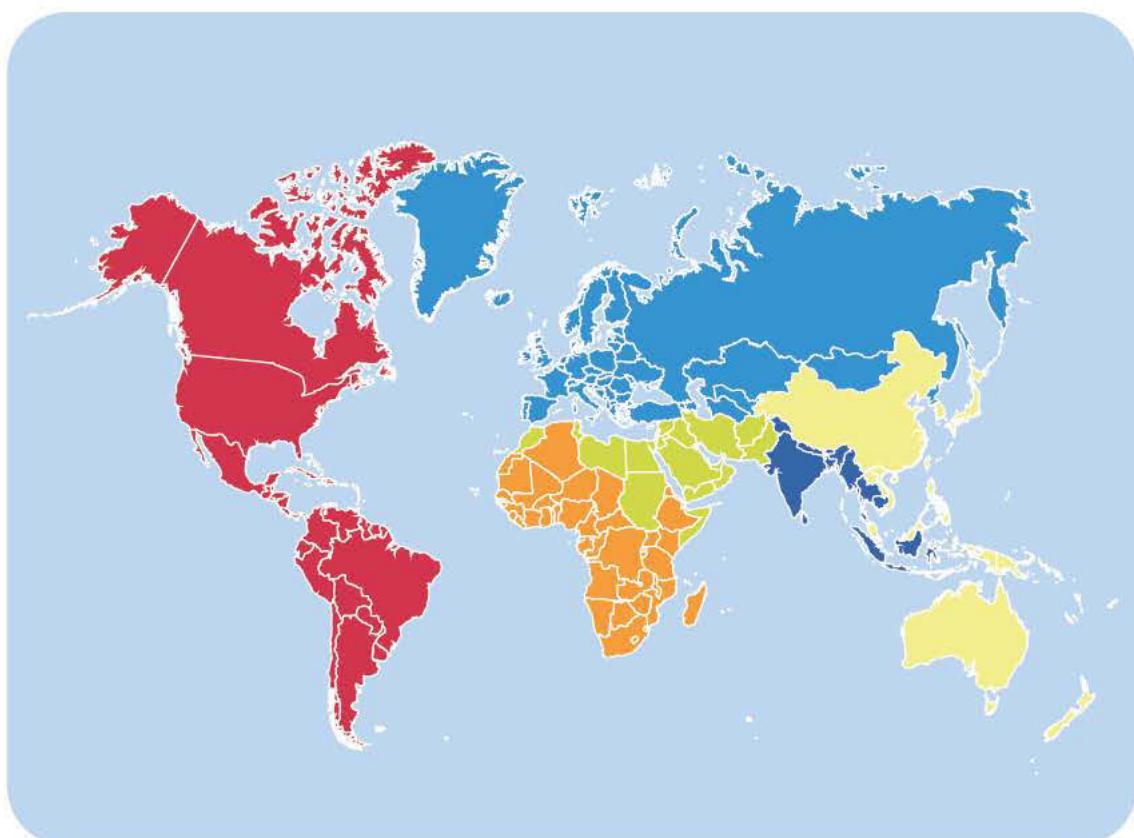
NATIONAL DATA PROVIDED BY:

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Organización Nacional de Trasplantes (ONT) – Spain

Rafael Matesanz
Beatriz Mahillo
Marina Álvarez
Mar Carmona

NEWSLETTER TRANSPLANT 2016



CONTENTS

• Introduction	3
• International Figures On Organ Donation And Transplantation Activity. Year 2015	5
• International Data On Organ Donation And Transplantation Activity, Waiting List And Family Refusals. Year 2015	35
• International Data On Tissues And Hematopoietic Stem Cell Donation And Transplantation Activity. Year 2015	51
• Global Observatory On Donation And Transplantation	61

FOR THE PURPOSES OF THIS NEWSLETTER THE FOLLOWING DEFINITIONS WERE USED:

Actual deceased organ donor

An actual deceased organ donor is a person from whom at least one organ has been recovered for the purpose of transplantation, in contrast to a utilised donor, who is an actual donor from whom at least one organ has been transplanted. The number of utilised donors is therefore lower or equal than the number of actual donors.

Donor after brain death

A donor after brain death (DBD) is a deceased organ donor in whom death has been determined by neurologic criteria.

Donor after circulatory death

A donor after circulatory death (DCD) is a deceased organ donor in whom death has been determined by circulatory and respiratory criteria.

Multiorgan donor

A multiorgan donor is an actual donor from whom at least two different types of organs have been recovered for the purpose of transplantation.

Total TX. (all combinations included)

Includes the transplantation of the corresponding organ with or without the simultaneous transplant of a different type of organ (s).

Double-kidney TX.

One double-kidney TX. is counted as 1 TX.

TX. from living donors

A living donor is a living human being from whom organs have been recovered for the purpose of transplantation. A Living Donor has one of the following three possible relationships with the recipient:

A/ Related:

A1/ Genetically Related:

1st Degree Genetic Relative: Parent, Sibling, Offspring
2nd Degree genetic relative, e.g. grandparent, grandchild, aunt, uncle, niece, nephew,
Other than 1st or 2nd degree genetically related, for example cousin

A2/ Emotionally Related: Spouse (if not genetically related); in-laws; Adopted; Friend

B/ Unrelated = Non Related: Not Genetically or Emotionally Related

Heart-lung TX.

One heart-lung TX. is counted as 1 lung TX., 1 heart TX. and 1 heart-lung TX.

Double-lung TX.

One double-lung TX. is counted as 1 TX.

Total number of patients transplanted

For more than one organ transplanted into the same recipient: kidney-liver-heart TX. = counted as one recipient.

Absolute number

Include all figures corresponding to all donors/ patients adults and children.

Paediatric

Includes only paediatric activity (patients aged < 15 years).

Waiting List

Example: At 1/1/2011 there were 200 patients active on the WL. Along the year, 100 patients are newly included on the WL (first row). In total, 300 patients have been ever active on the WL during the year (second row). Along the year, 200 patients were transplanted (number recorded in a different questionnaire), 50 patients remain active at the end of the year (third row), 25 patients died (fourth row) and 25 patients were excluded (number not to be reported, but derived from previous figures).

Patients included on the WL for the first time in the course of 2014	100
Total number of patients ever active on the WL during 2014	300
Patients awaiting for a transplant (only active candidates) on 31/12/2014	50
Patients who died while on the WL during 2014	25

(*The United Nations Population Fund report (UNFPA: <http://www.unfpa.org/public/>) is used as the data source for estimates of population size)

TRANSPLANT NEWSLETTER – COUNCIL OF EUROPE, A LOOK INTO THE PAST AND THE FUTURE

RAFAEL MATESANZ

Director ONT – Editor TRANSPLANT NEWSLETTER 1993-2016

Organs tissues and cells donation and transplantation is a very sensitive topic for public opinion. Its relevance clearly exceeds the scope of health care provision, and deal with legal, ethic, organisational and communication aspects. The fact that transplantation often involves life or death decisions and that scarcity of organs represent the limiting factor of these therapies makes a real difference with other technologies. International cooperation seems particularly necessary in this field, and **the Council of Europe** was the first international organism to create in 1988 an official and permanent forum for experts in organisational aspects of organs and tissue transplantation (the **SP-CTO**). **The Committee of Experts on the Organisational Aspects of Cooperation in Organ Transplantation** was set up following the **3rd Conference of European Health Ministers in Paris in 1987** on the ethical, organisational and legislative aspects on organ transplantation.

The first meeting was also held in **Paris 1988**, and **Professor Jacques Hors (Paris, France)** was elected its first chairman. During the first years, every country member or transplant organization (only 6 at the beginning) provided a short report with the more relevant data about legislation, activities and so on. There was not a standard way to give this information and just the compilation of all these reports, even without editing, became the embryo of the future publication of the committee.

I became a member of SP-CTO in **1989** and I was honoured to chair this committee for seven years (1995-2000 and 2003-2005) and vice chair other two (2005-2007). The outstanding work of SP-CTO in the field of organ, tissues and cells donation and transplantation for many years has served as a model for other International Bodies in different parts of the world for setting standards, obtaining accurate data of activity, and implementing new forms of organization.

In **1993** (23 years ago) I became responsible of the edition of **TRANSPLANT NEWSLETTER**, with a main objective: to obtain and compare organ donation and transplantation activity data, in a standard and common way, from all country members. This was achieved for the first time with the data of **1995** and not only in Europe but also in other relevant countries such as USA, Canada or Australia. As a curiosity the now standard way to express these data as donors or transplants per million population

was adopted following the model of the countries included in SCANDIATRANSPLANT which used this methodology even during the eighties much before than other countries.

TRANSPLANT NEWSLETTER soon became the only official publication which provided data of organ donation and transplantation of, every day more and more countries all over the world. A wonderful example was Latin America. Thanks to the cooperation of professionals and authorities of Spanish and Portuguese speaking countries included in the **IBEROAMERICAN COUNCIL OF ORGAN DONATION AND TRANSPLANTATION**, which we created and can be perfectly considered as a reflex of this Committee at the other side of Atlantic Ocean, we get from the beginning of this century accurate data from all these countries.

In the same way, since 2008 and through the agreement between **WHO** and **ONT** to elaborate and manage the **GLOBAL OBSERVATORY OF ORGAN DONATION AND TRANSPLANTATION (GODT)**, we are obtaining the data from the other continents and express the summary in **TRANSPLANT NEWSLETTER**, which in this way has become a splendid publication with data from all over the world.

Information is an absolute need for taking decisions. It is a simple question of justice to thank all the people who provides these data every year from the different countries. We all are contributing to make these therapies everyday available to more and more people all over the world. Thank you also and very especial to the whole ONT staff which has made possible the edition of **TRANSPLANT NEWSLETTER** during almost a quart of century (**Blanca Miranda, Carmen Martín, Ana García, Marina Alvarez, Mar Carmona, Beatriz Mahillo** & many other, in fact the whole ONT staff) and will keep on doing in the future, of course if all the countries continue with its trust in our work.

After all these years of work in the field of transplantation, and fruitful cooperation with the Council of Europe, I am going to be retired in a few months, and leave the ONT and therefore all the international compromises, included those with the **Council of Europe, European Commission, RCIDT and WHO** in younger hands, with a very solid future. The edition of **TRANSPLANT NEWSLETTER** will remain as an institutional compromise of the

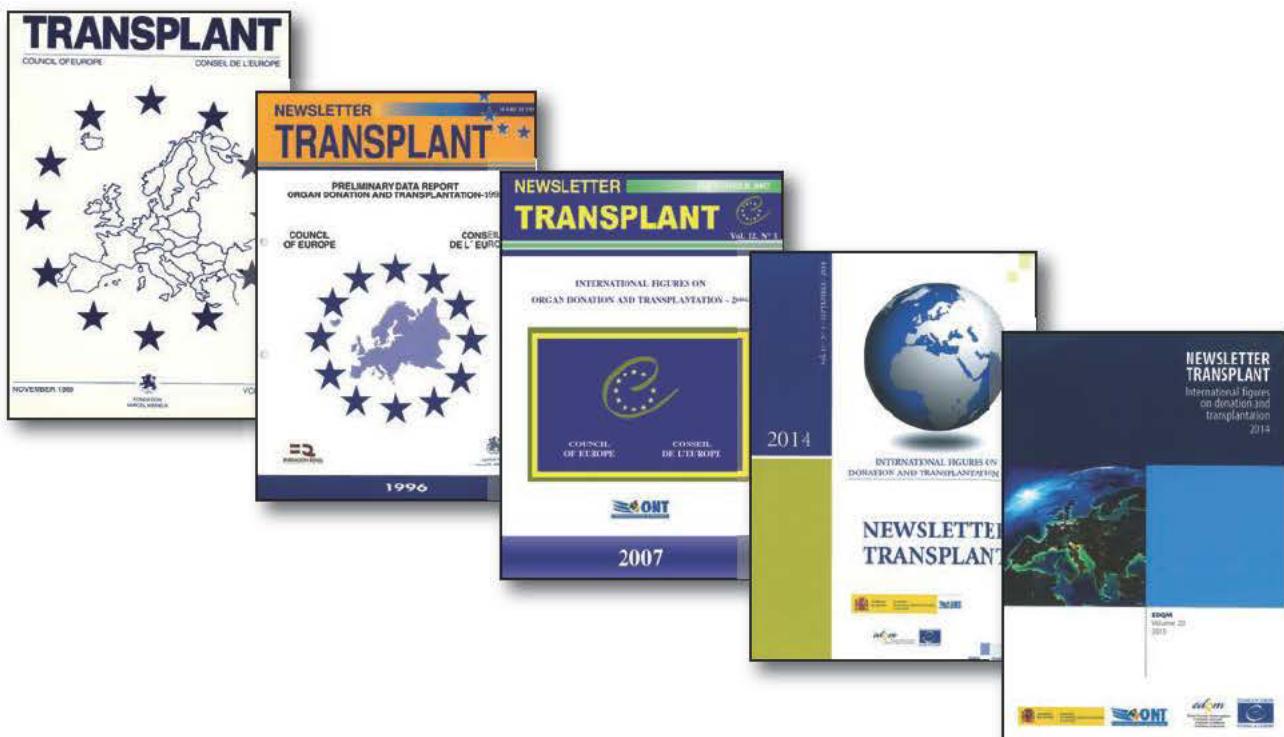
Spanish Ministry of Health and the ONT with the Council of Europe and other International Bodies with total independence of the persons which can be present in every moment.

And a final message: It is clear that in the field of transplantation, neither the problems nor the solutions can be isolated or concentrated in a single country or a limited group of them. Persons, goods and services are moving every day in a more free way, not just throughout Europe but every day through more and more countries in the world. For this reason it is particularly important a full agreement in the working lines of the different International bodies. The not-for-profit principle is not only a moral notion. There are serious risks involved when economic considerations enter the field. **The not-for-profit idea contributes to protection of the donor against the use of his or her body which could be detrimental to his/her health.** The not-for-profit idea also contributes

towards protecting the health of the recipient. It is a daily reality that one tends to become lenient on safety requirements when trade is involved. Besides, there are too many, often conflicting interests involved with transplantation which are used in health care, to be left entirely to voluntary commitment. So a comprehensive and harmonized regulation and a real and effective international co-operation is required in this field.

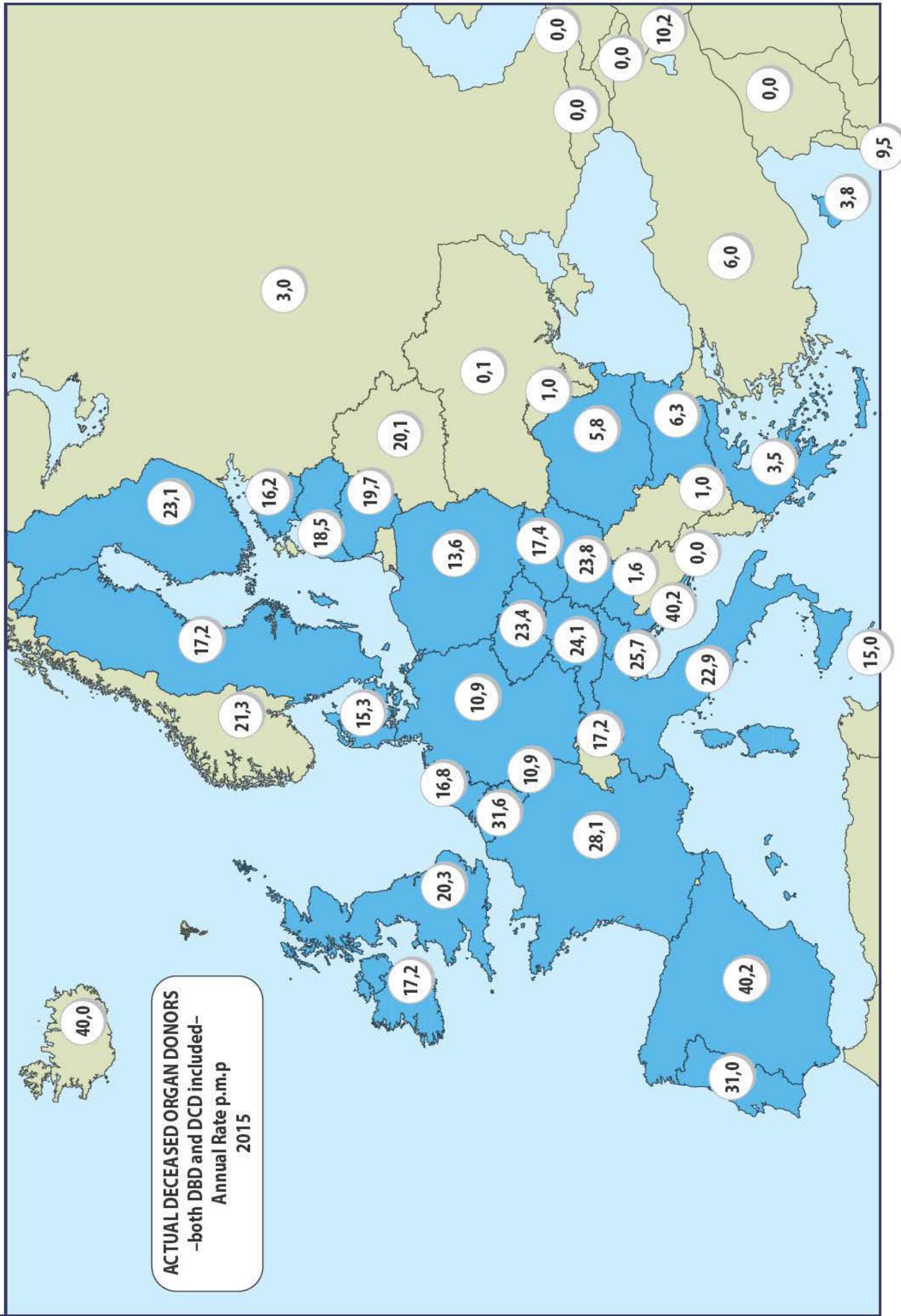
It is a responsibility of those countries which during the last decades have reached a good quantitative and qualitative level of activity, in organ and tissue transplantation, to help and give an adequate support to the new states which are now incorporating these therapies to their citizens.

With my warmest wishes for the future and thanks for your understanding if any time we did not meet your expectations.

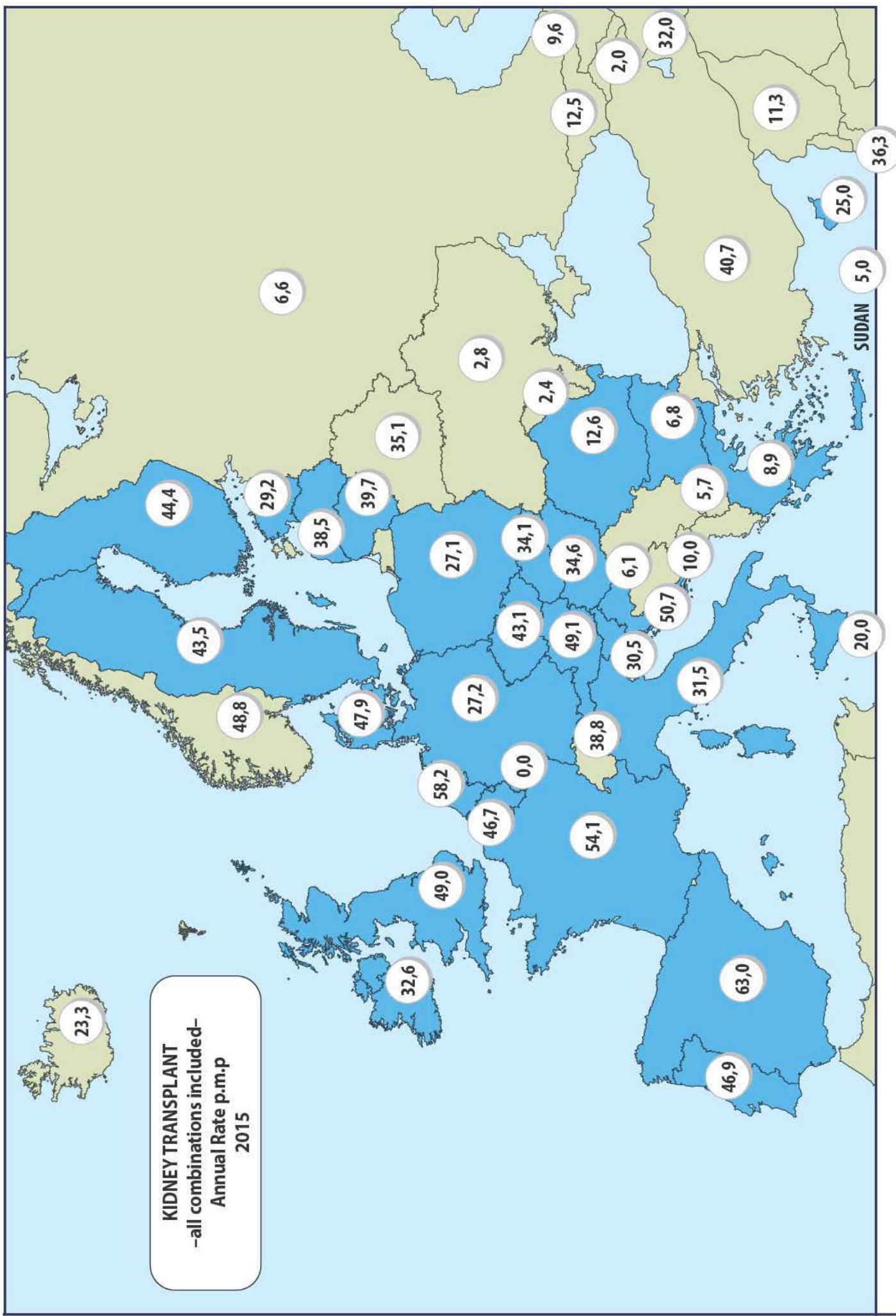


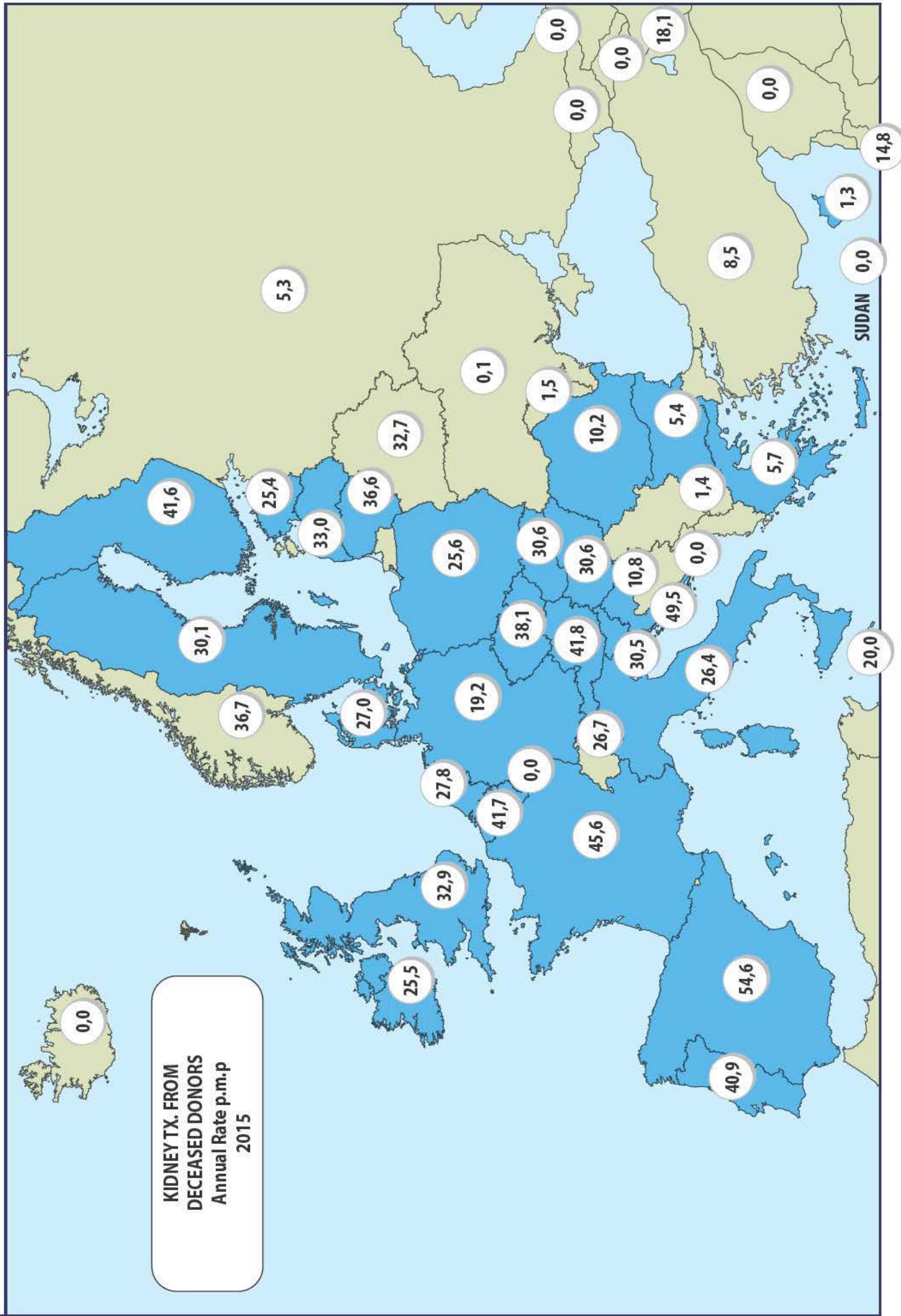
International Figures On Organ Donation And Transplantation Activity. Year 2015

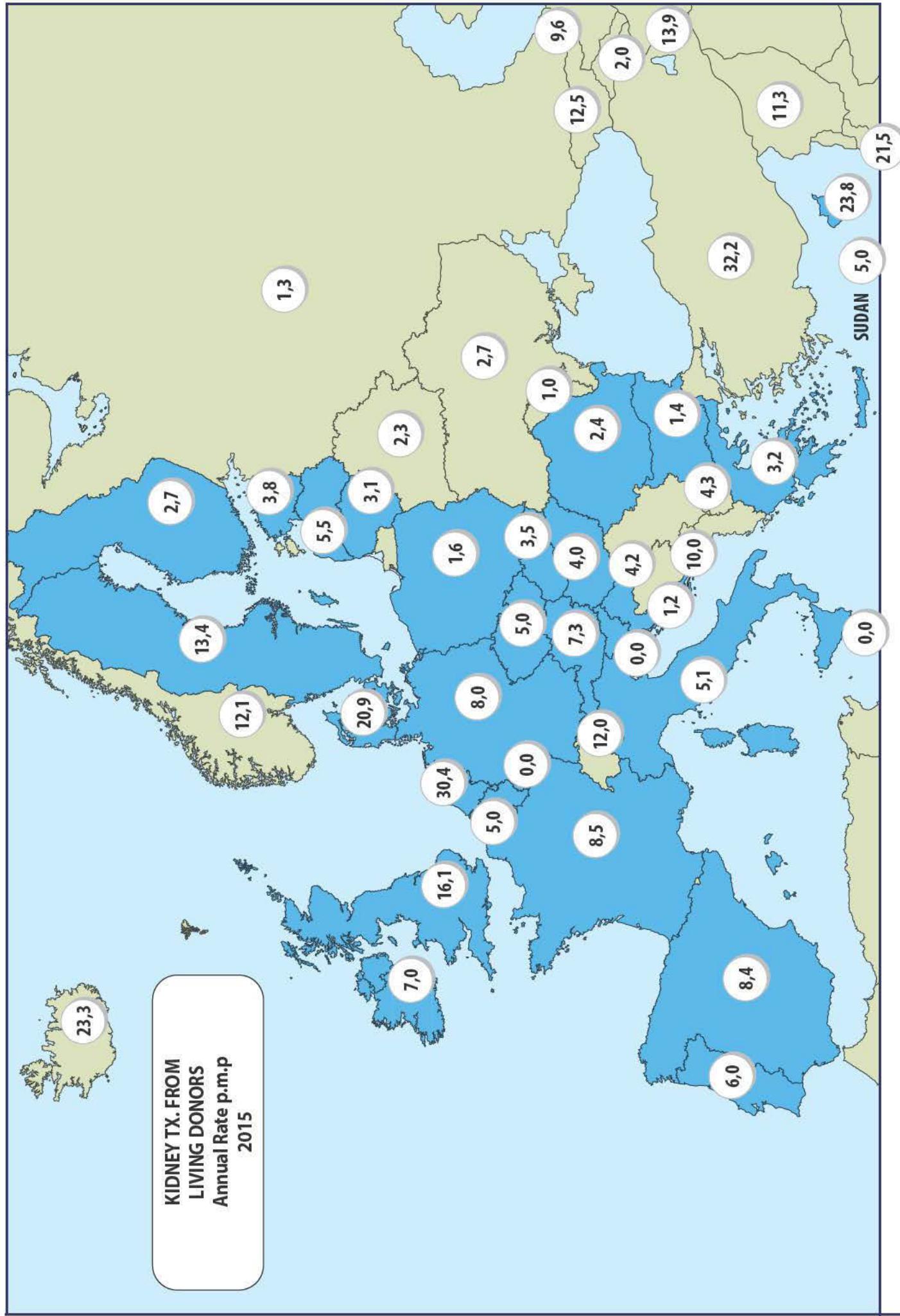




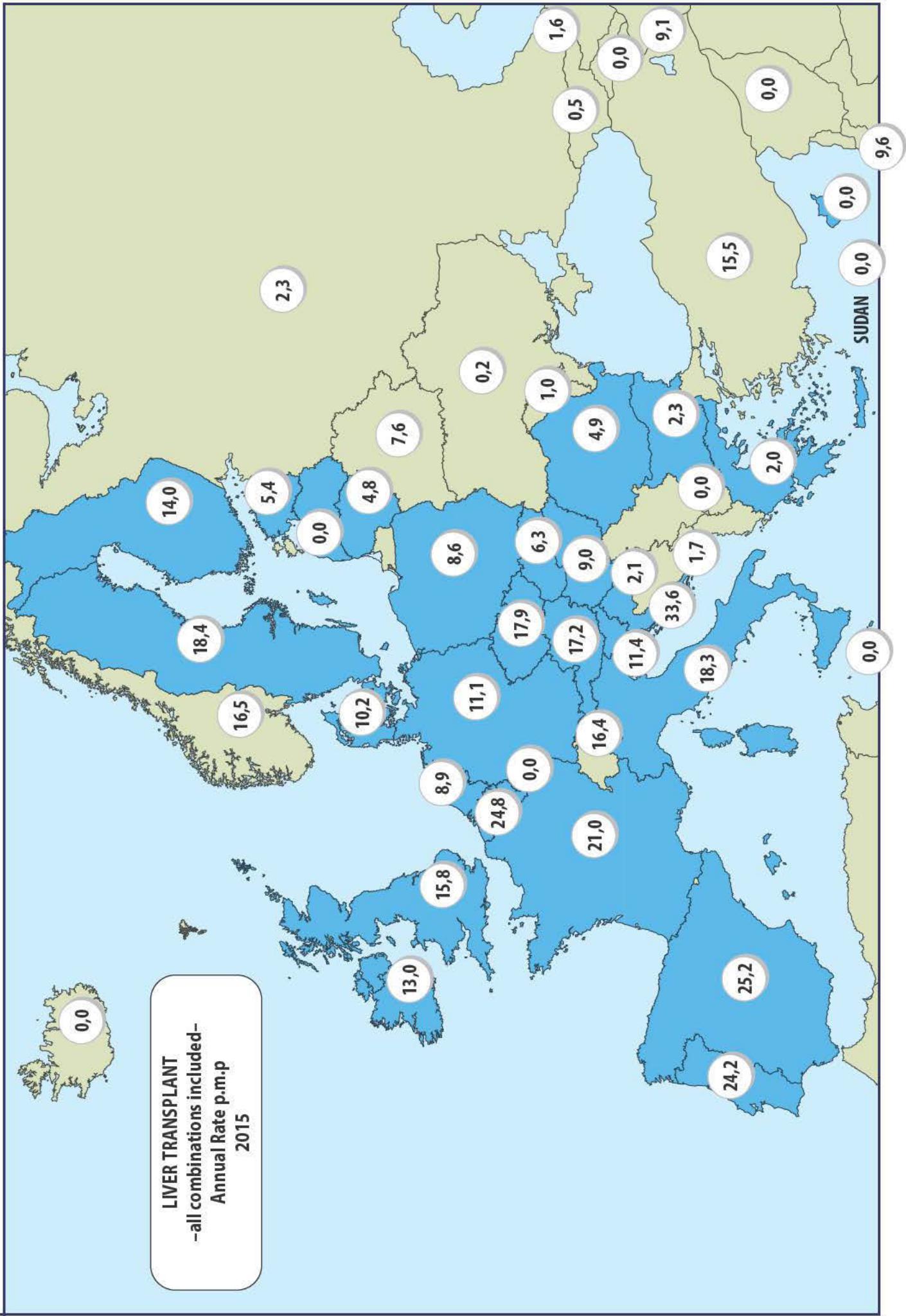
ACTUAL DECEASED ORGAN DONORS
-both DBD and DCD included-
Annual Rate p.m.p
2015

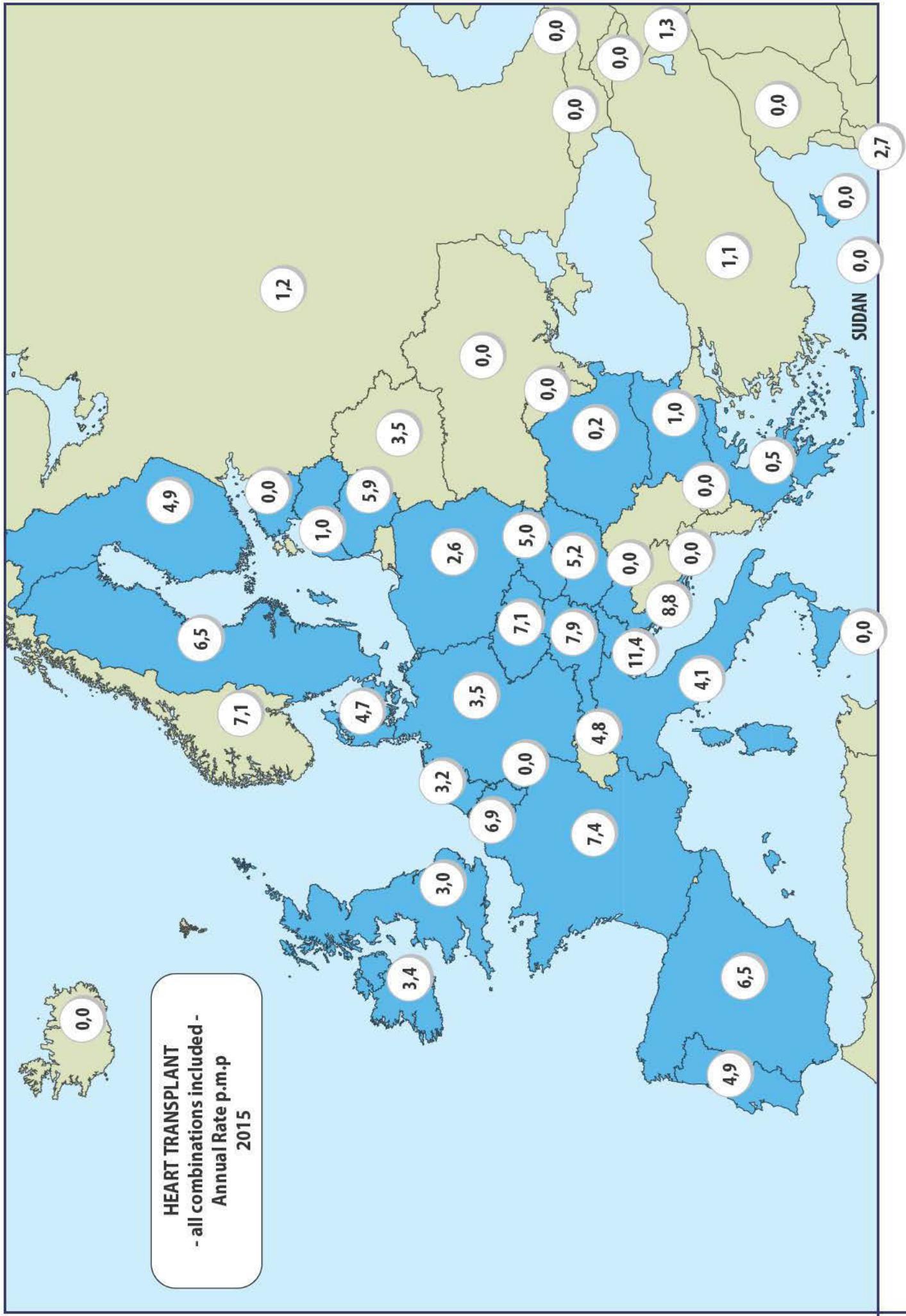




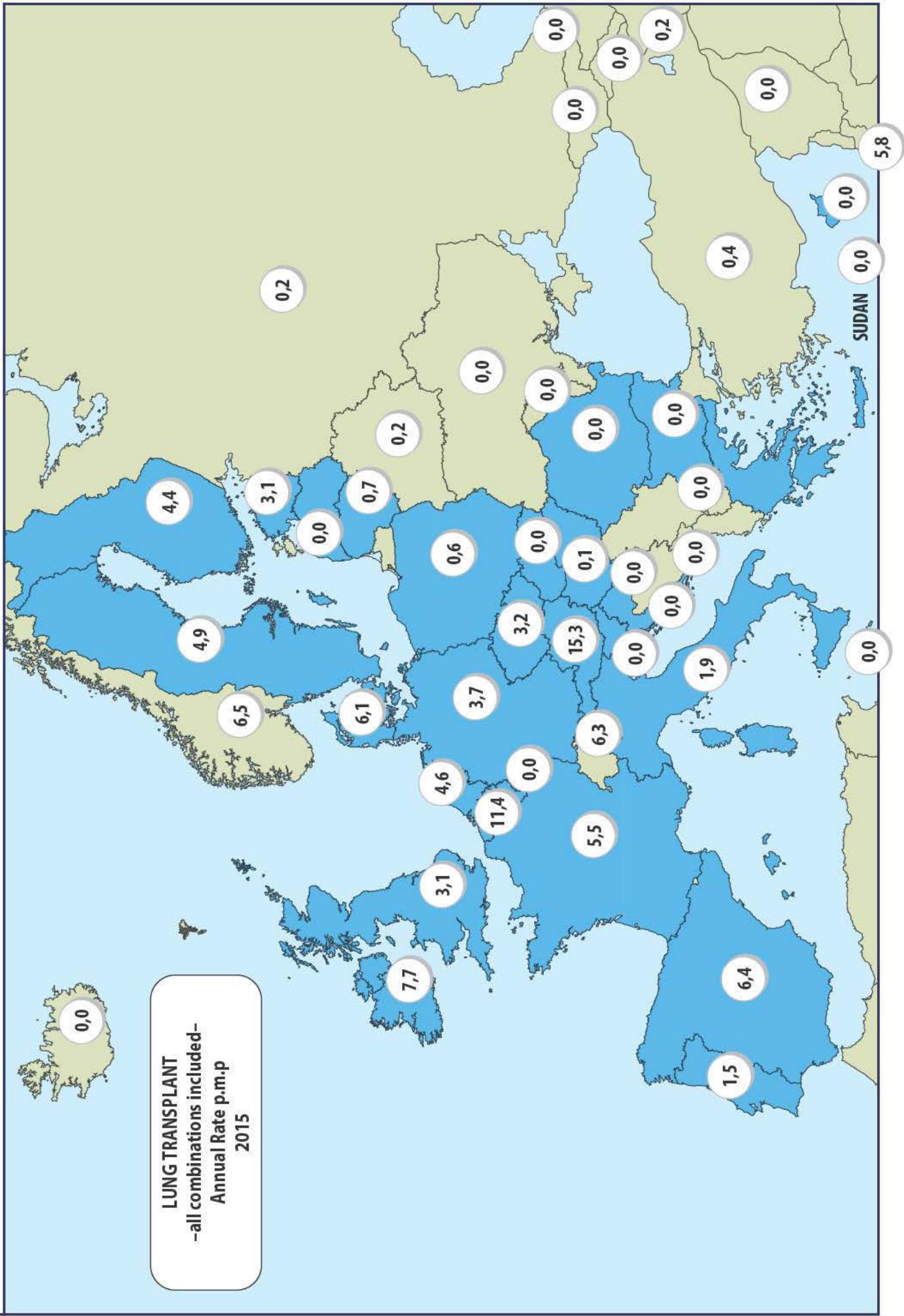


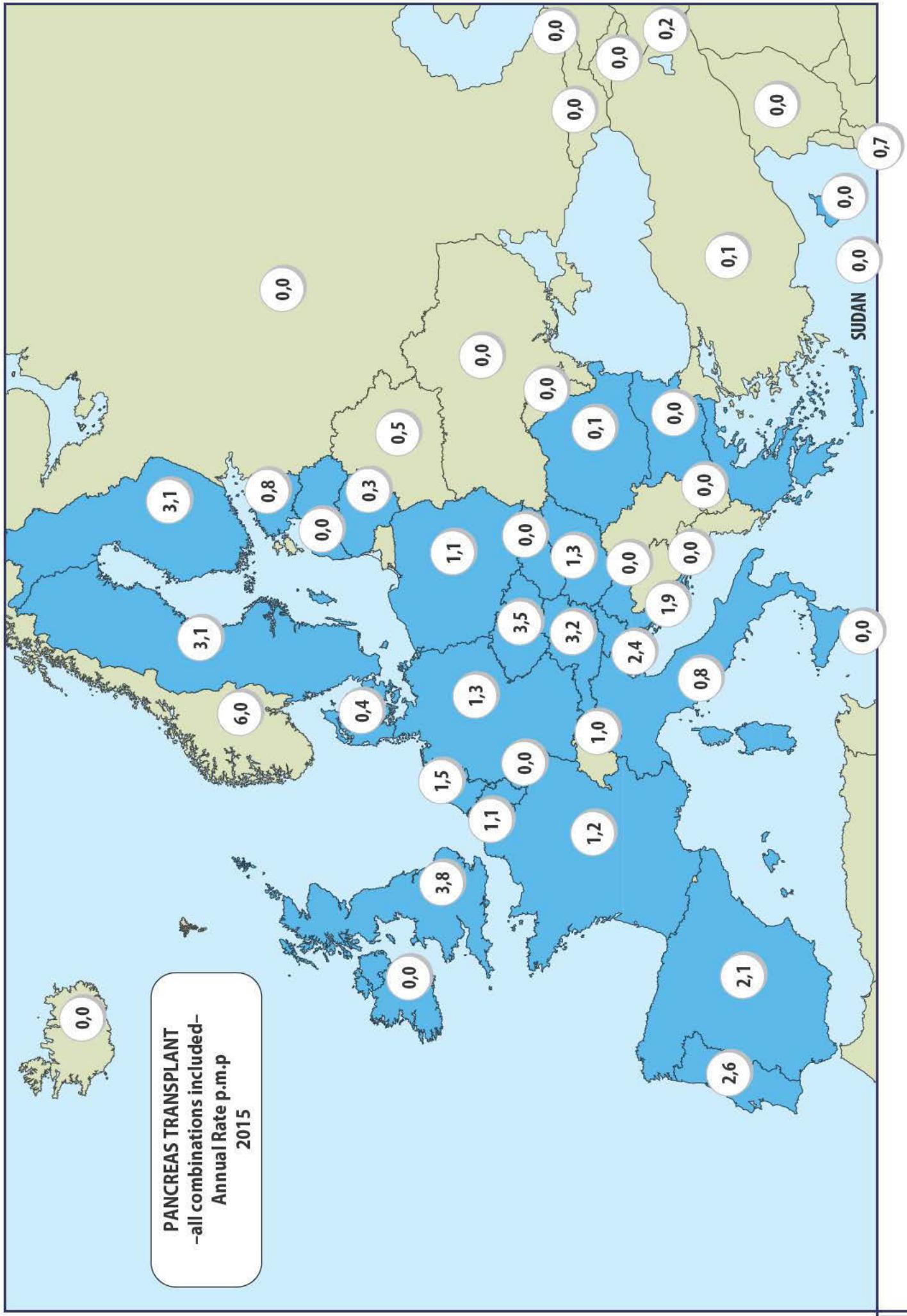
KIDNEY TX. FROM
LIVING DONORS
Annual Rate p.m.p
2015

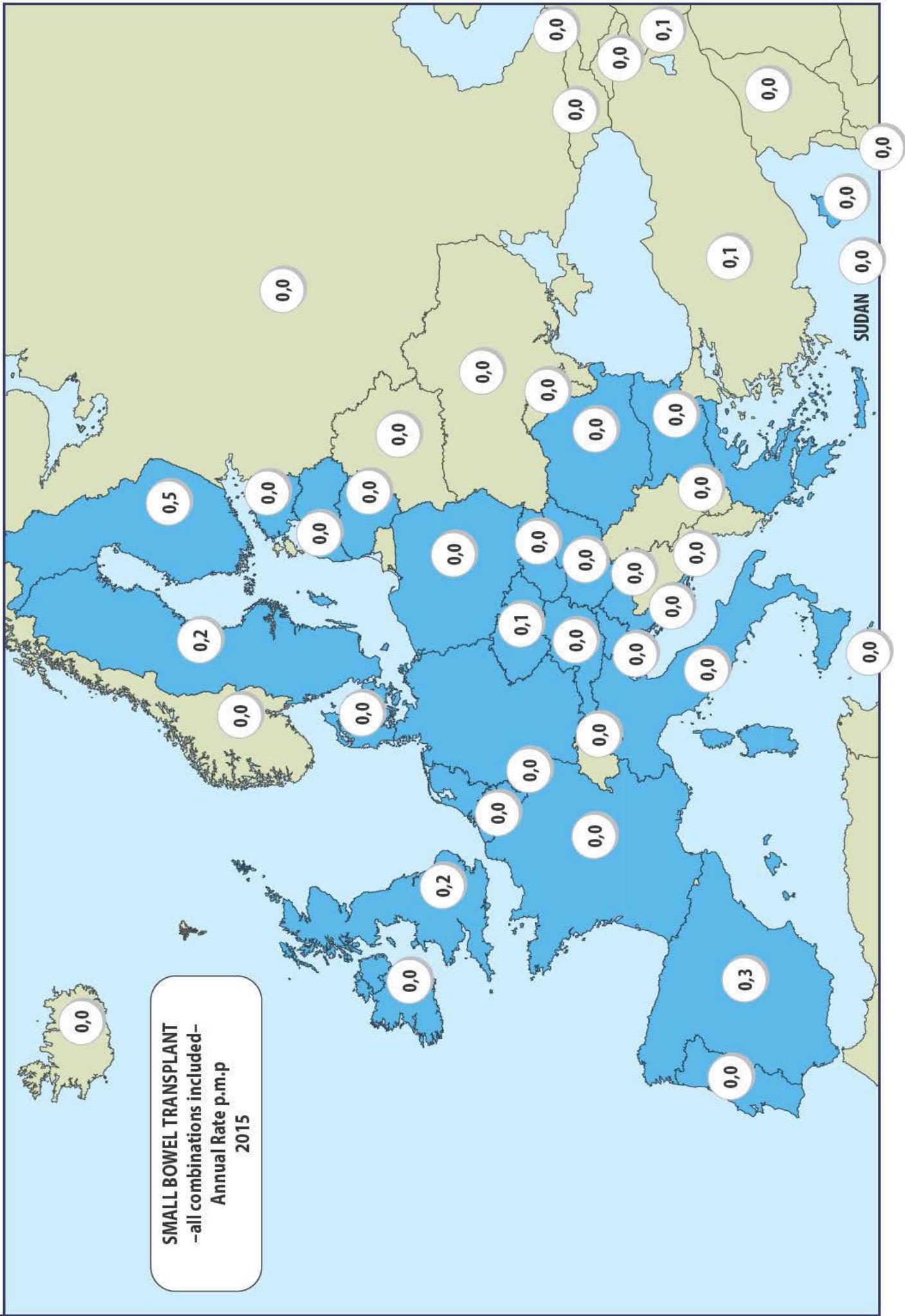


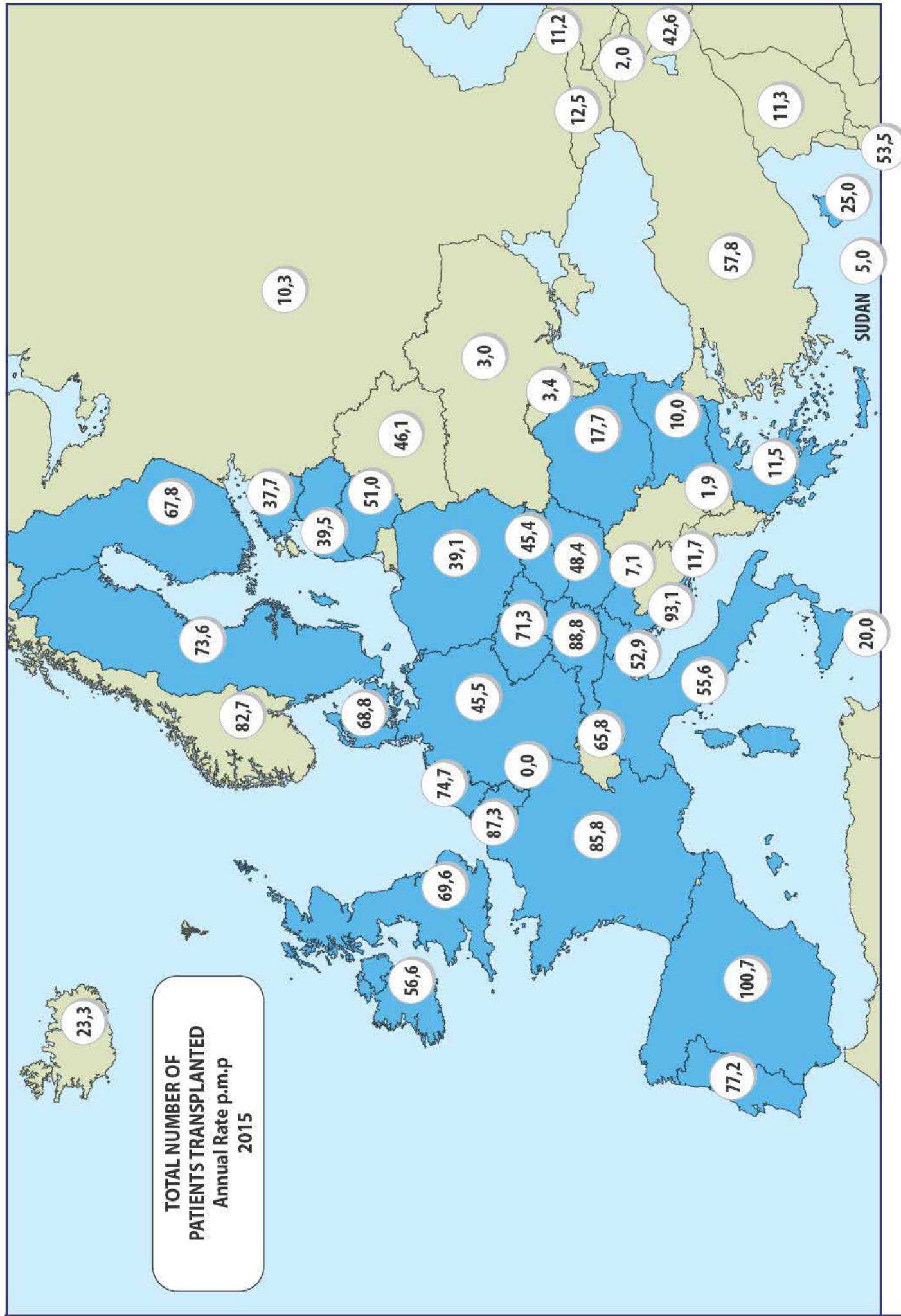


HEART TRANSPLANT
- all combinations included -
Annual Rate p.m.p.
2015









TOTAL NUMBER OF
PATIENTS TRANSPLANTED
Annual Rate p.m.p
2015



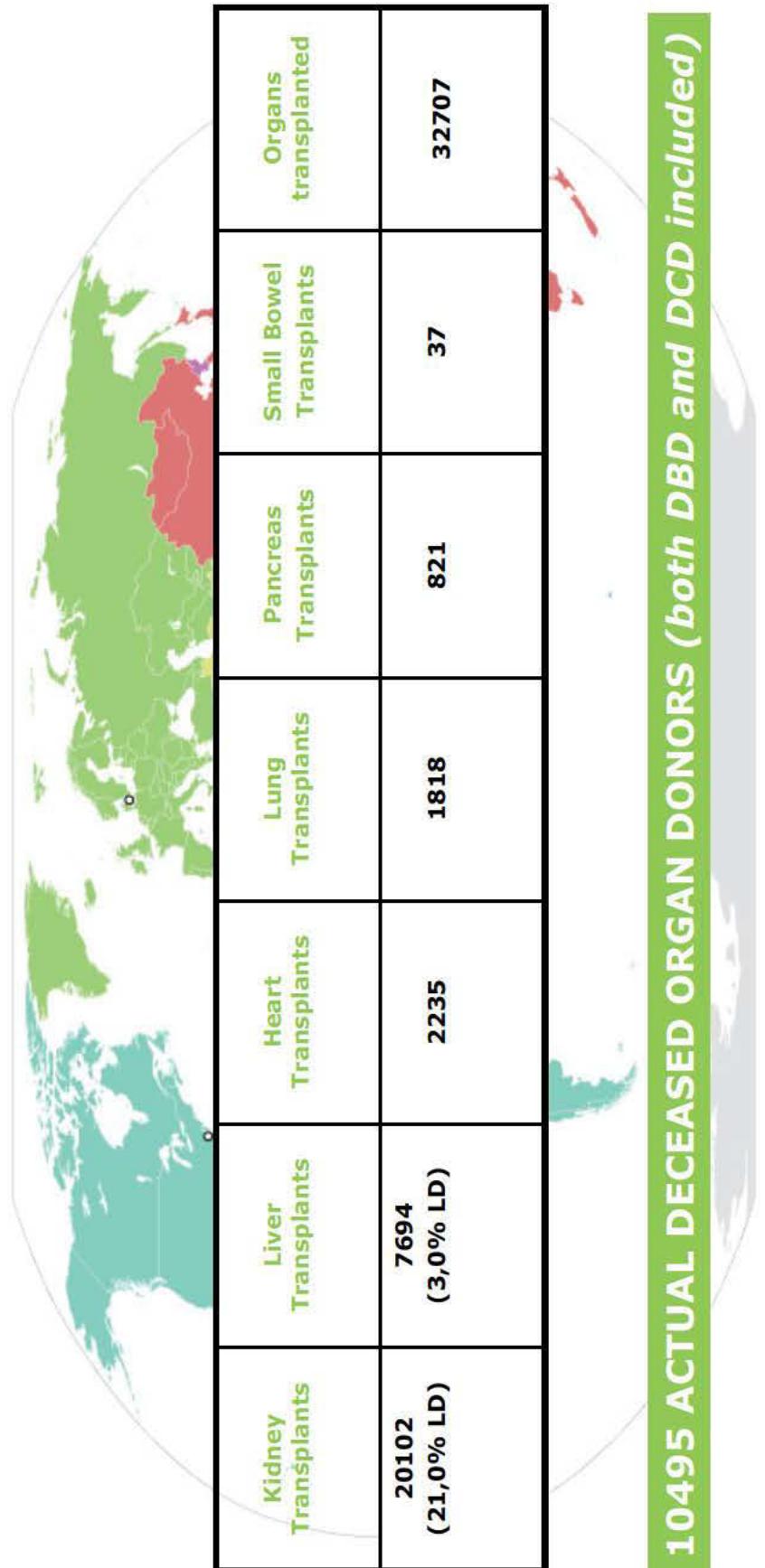
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Centre on Donation
and Transplantation



MINISTERIO
DE SANIDAD, POLITICA SOCIAL
E IGUALDAD

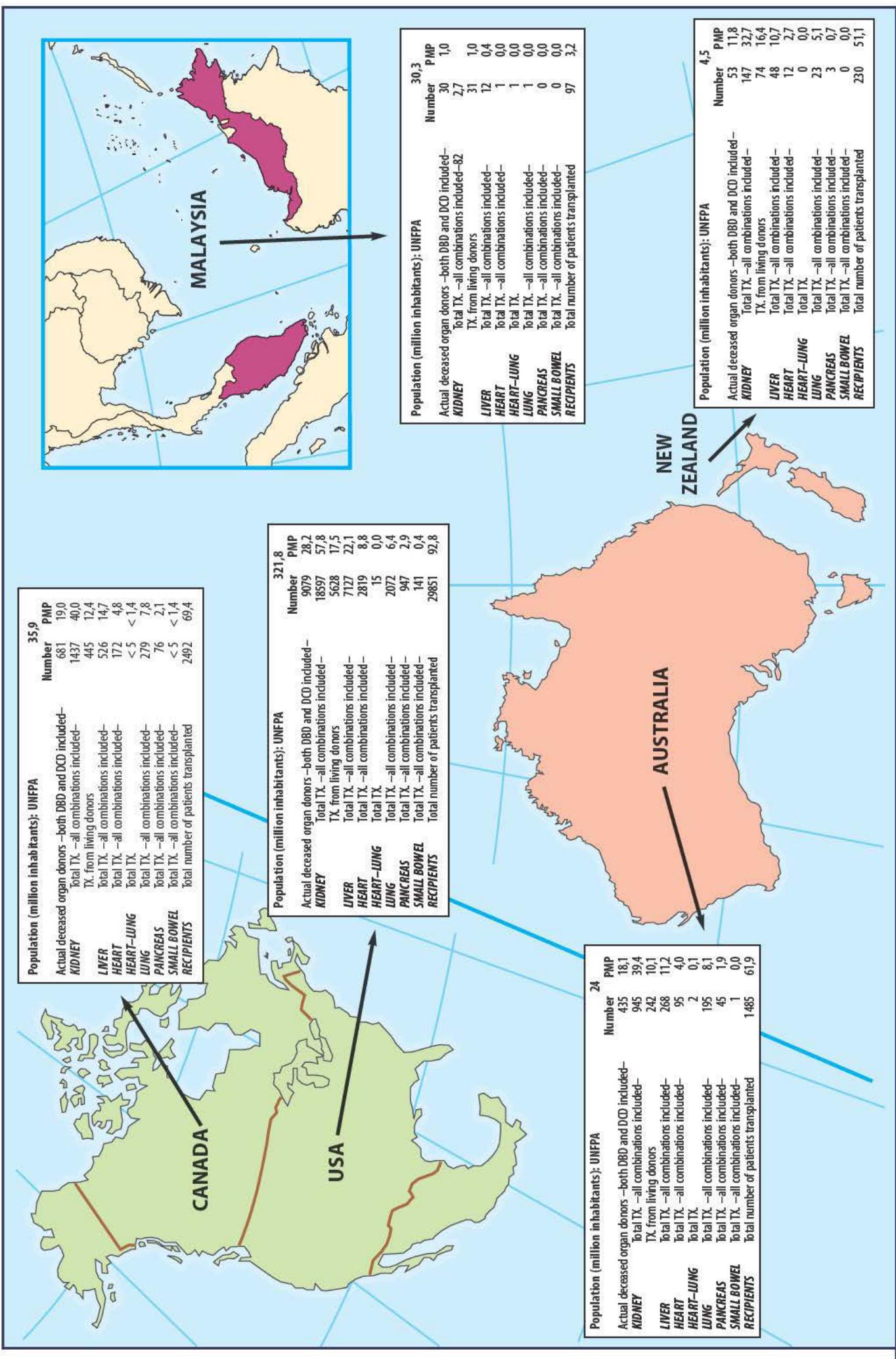


EUROPEAN UNION DATA

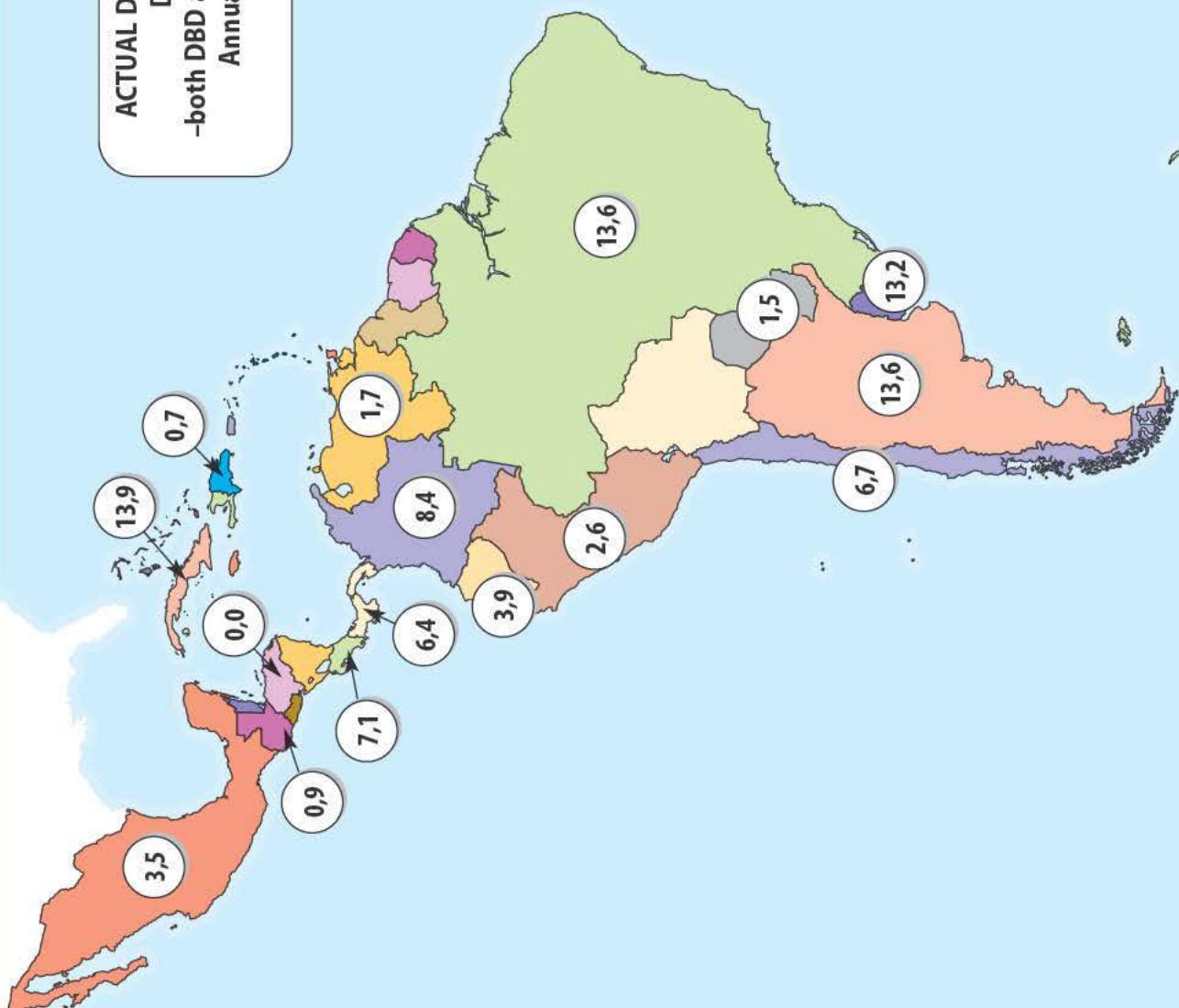


*2015 data

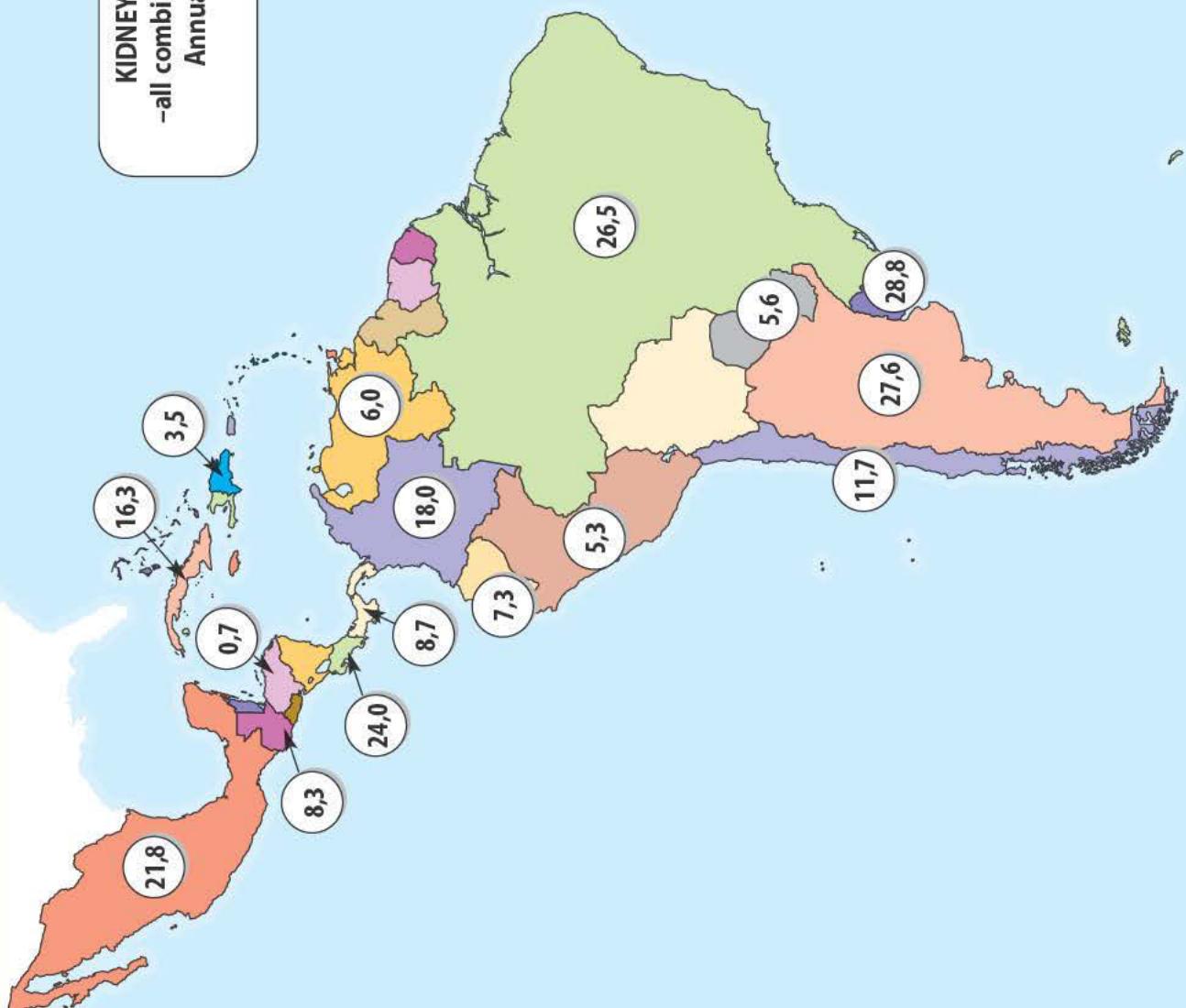
N= 28 COUNTRIES (504,7 million inhabitants)

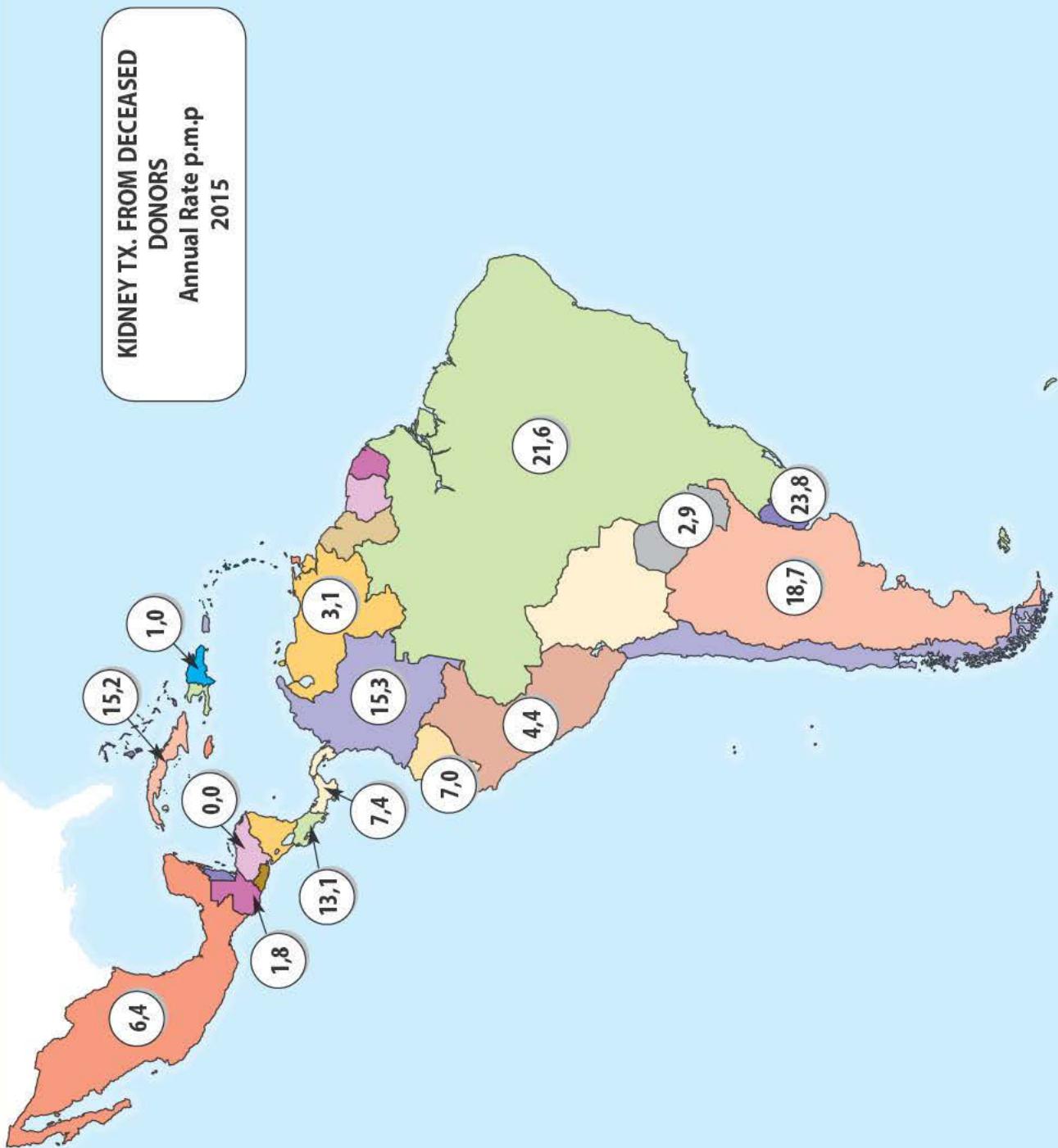


**ACTUAL DECEASED ORGAN
DONORS**
-both DBD and DCD included-
Annual Rate p.m.p
2015

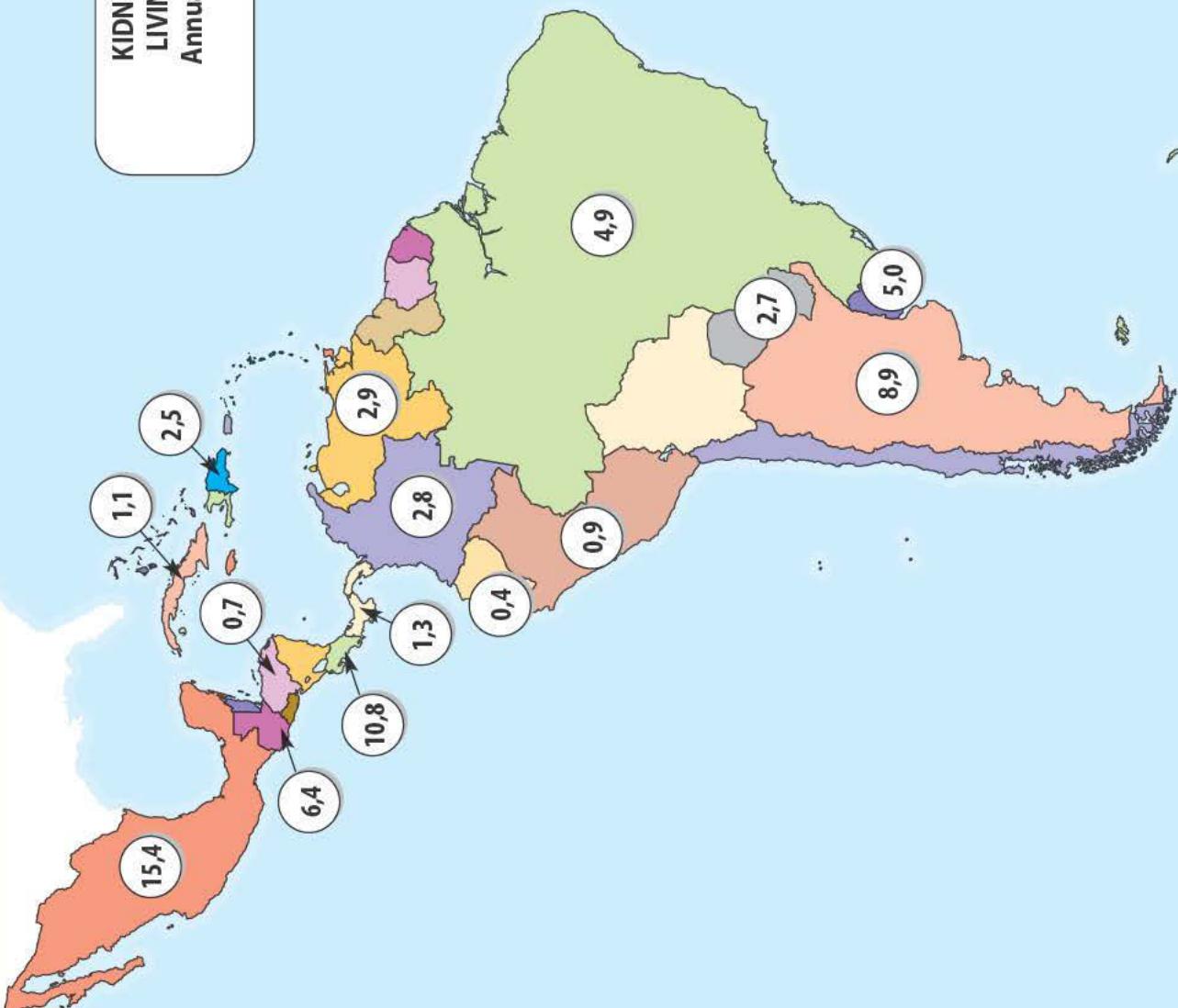


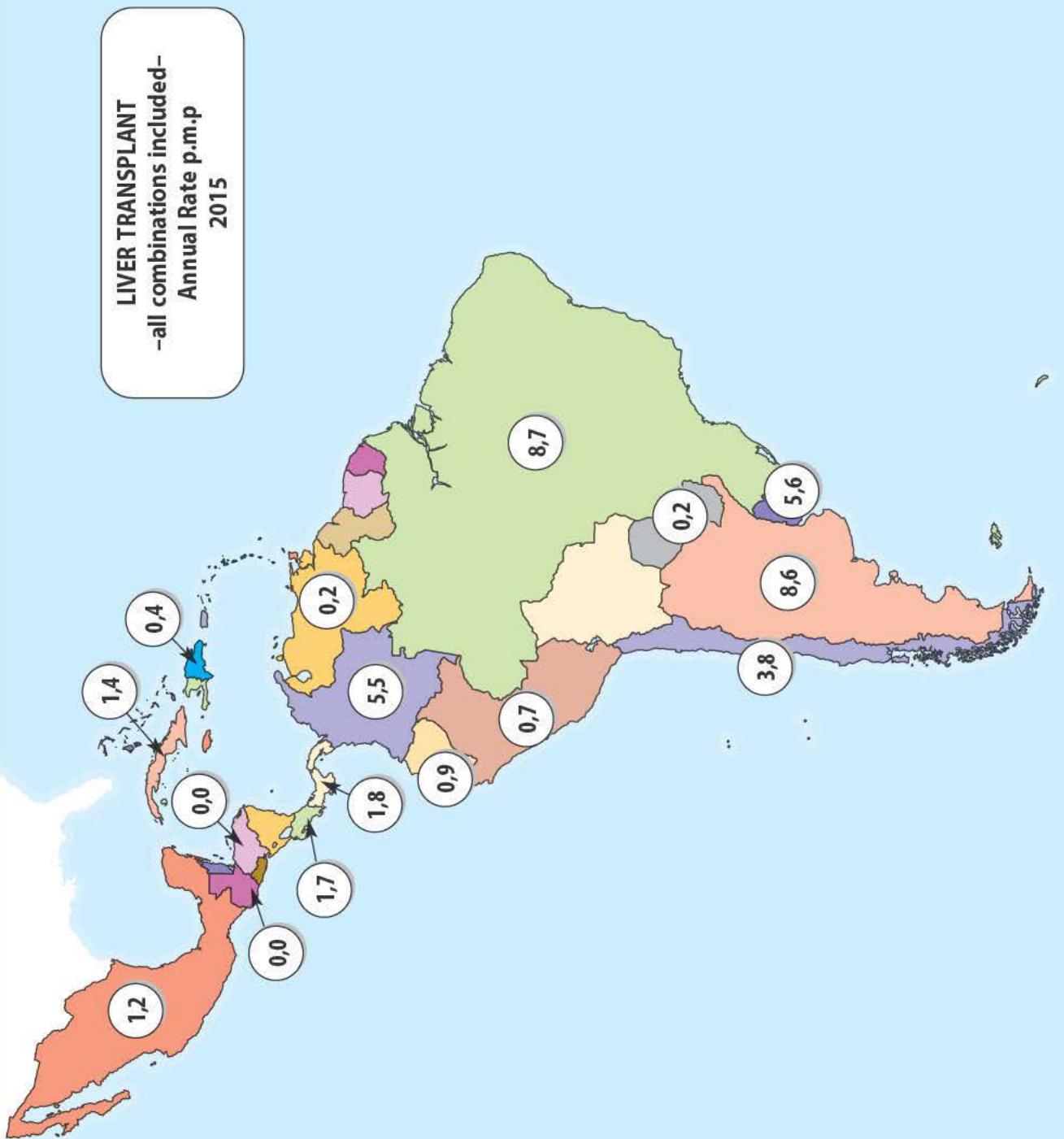
KIDNEY TRANSPLANT
-all combinations included-
Annual Rate p.m.p
2015



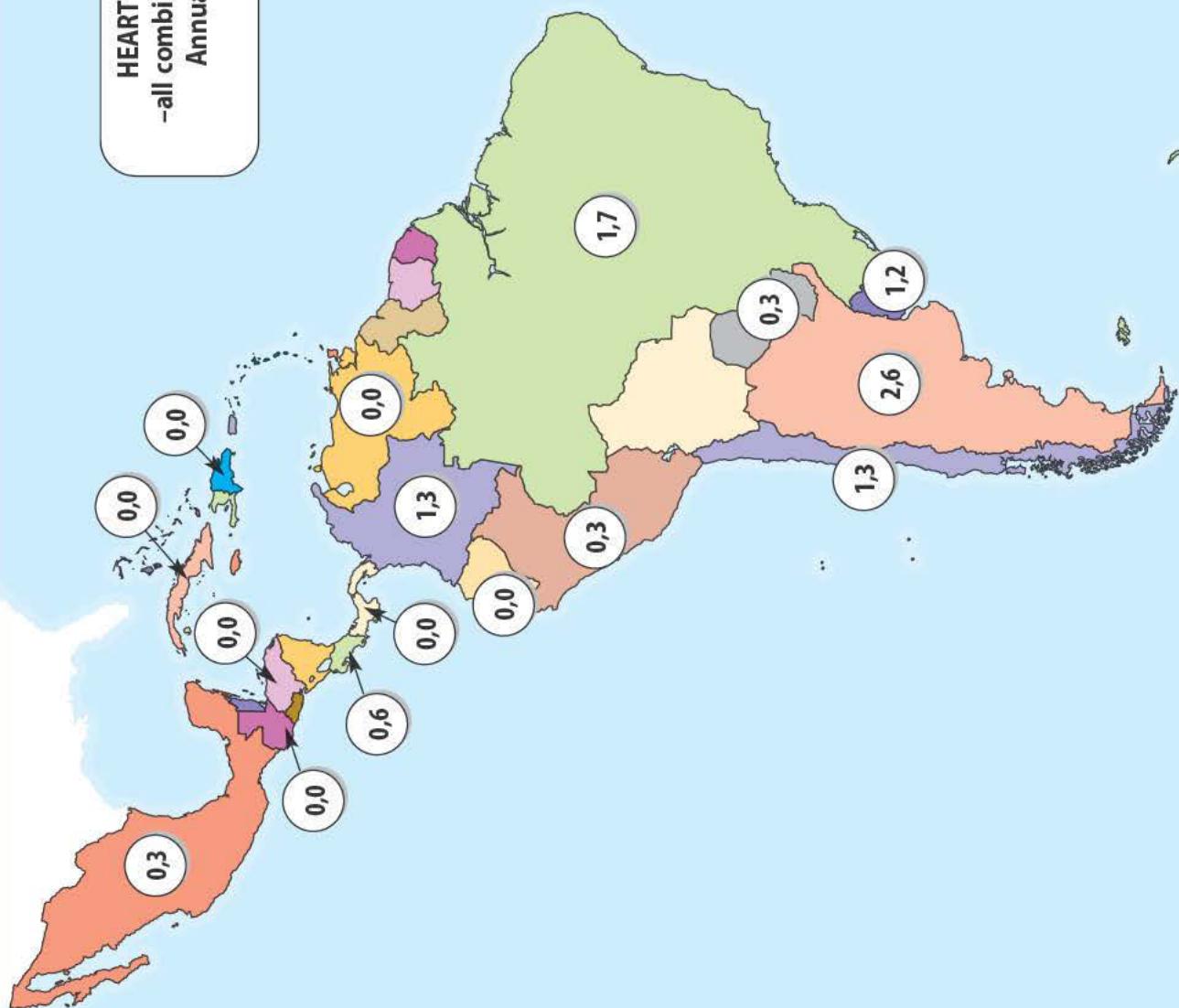


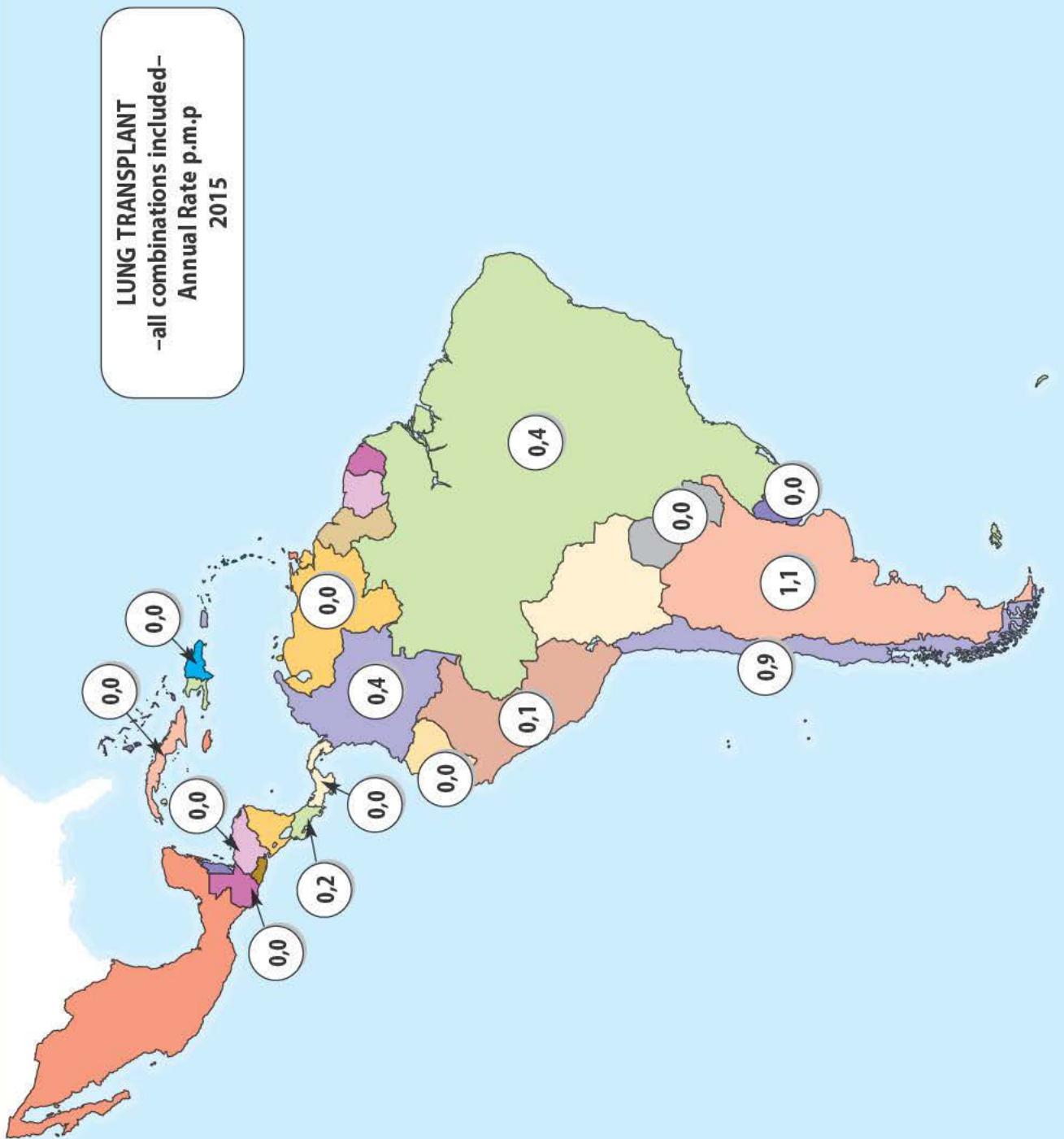
KIDNEY TX. FROM
LIVING DONORS
Annual Rate p.m.p
2015



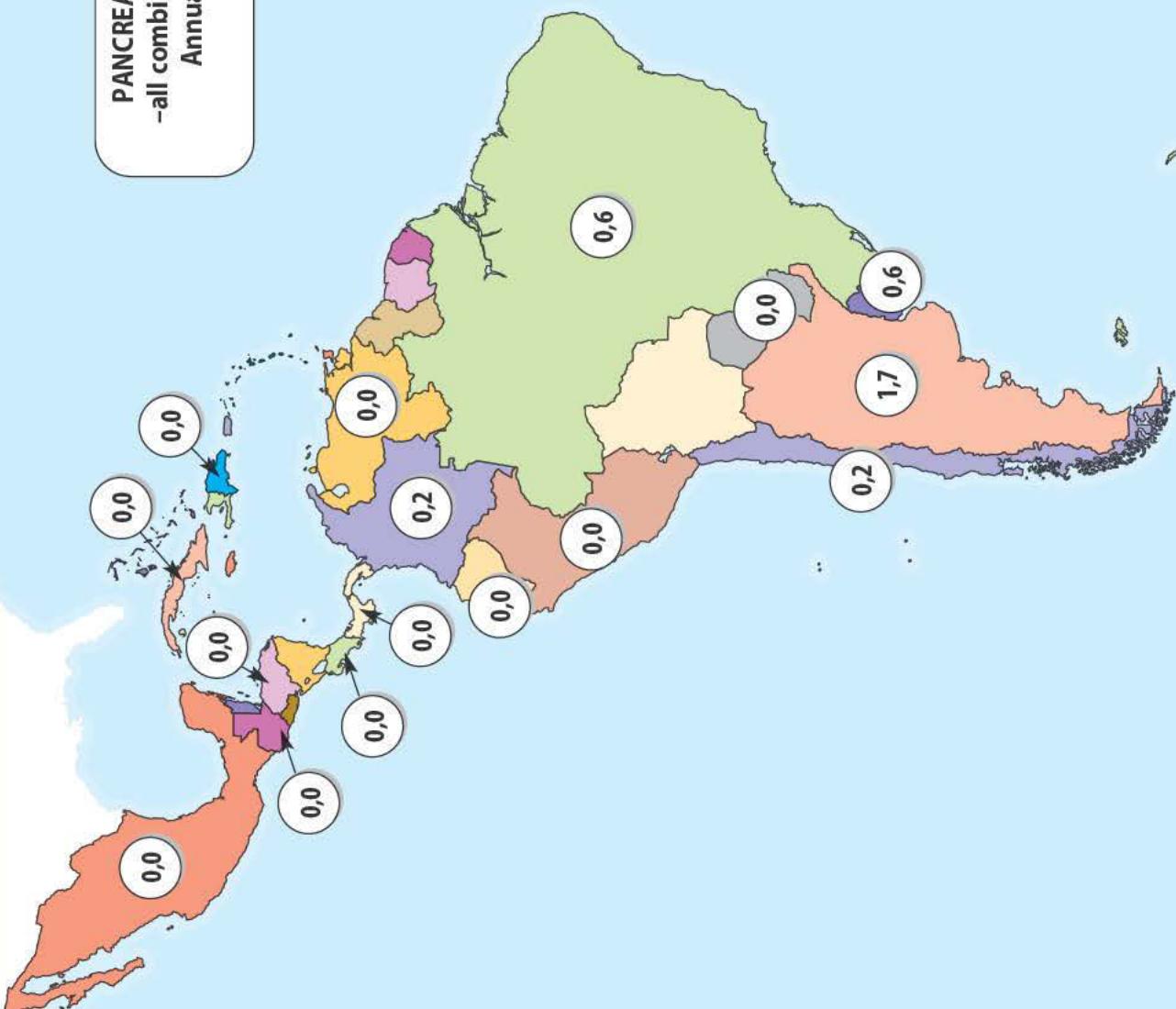


HEART TRANSPLANT
-all combinations included-
Annual Rate p.m.p
2015

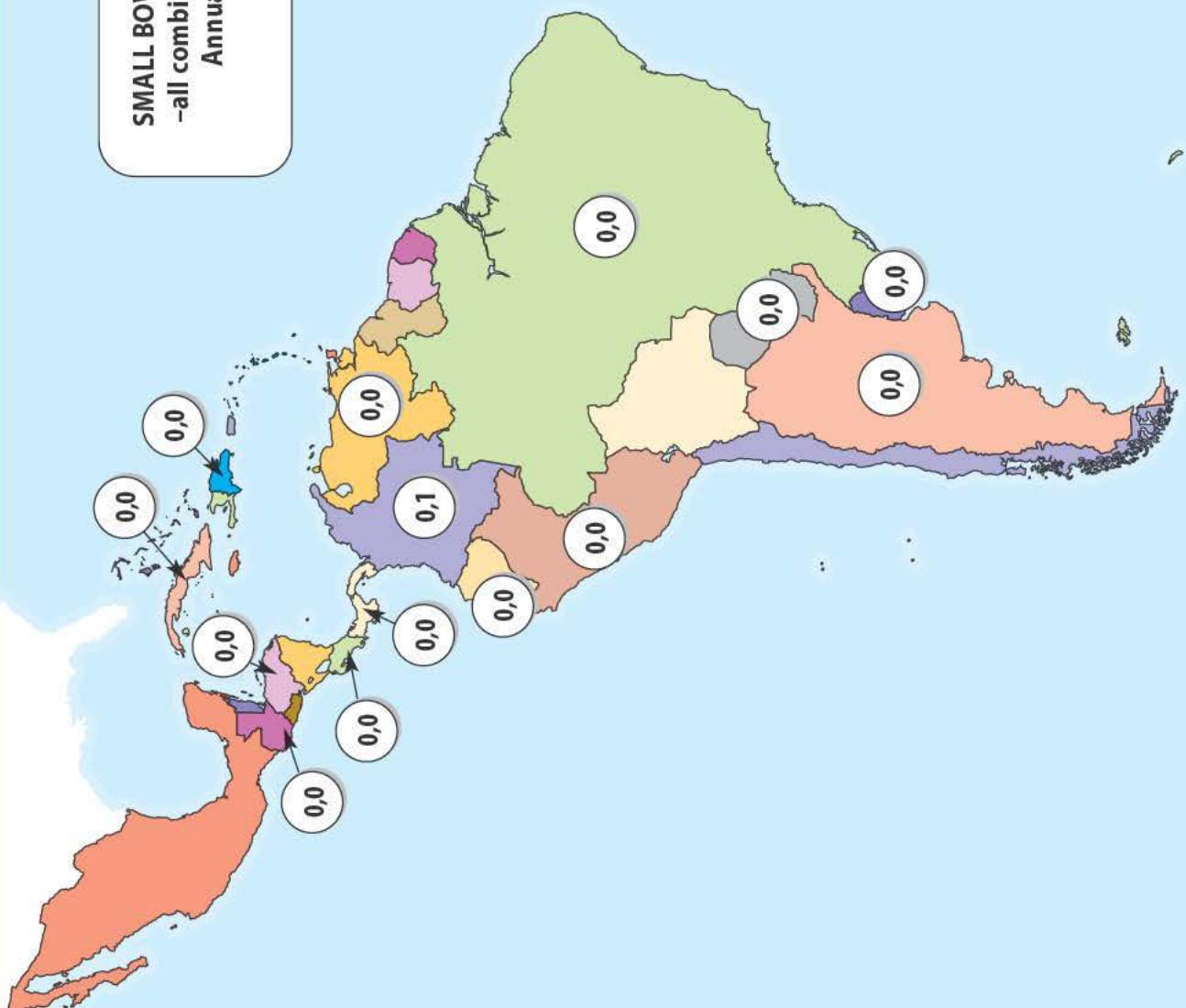


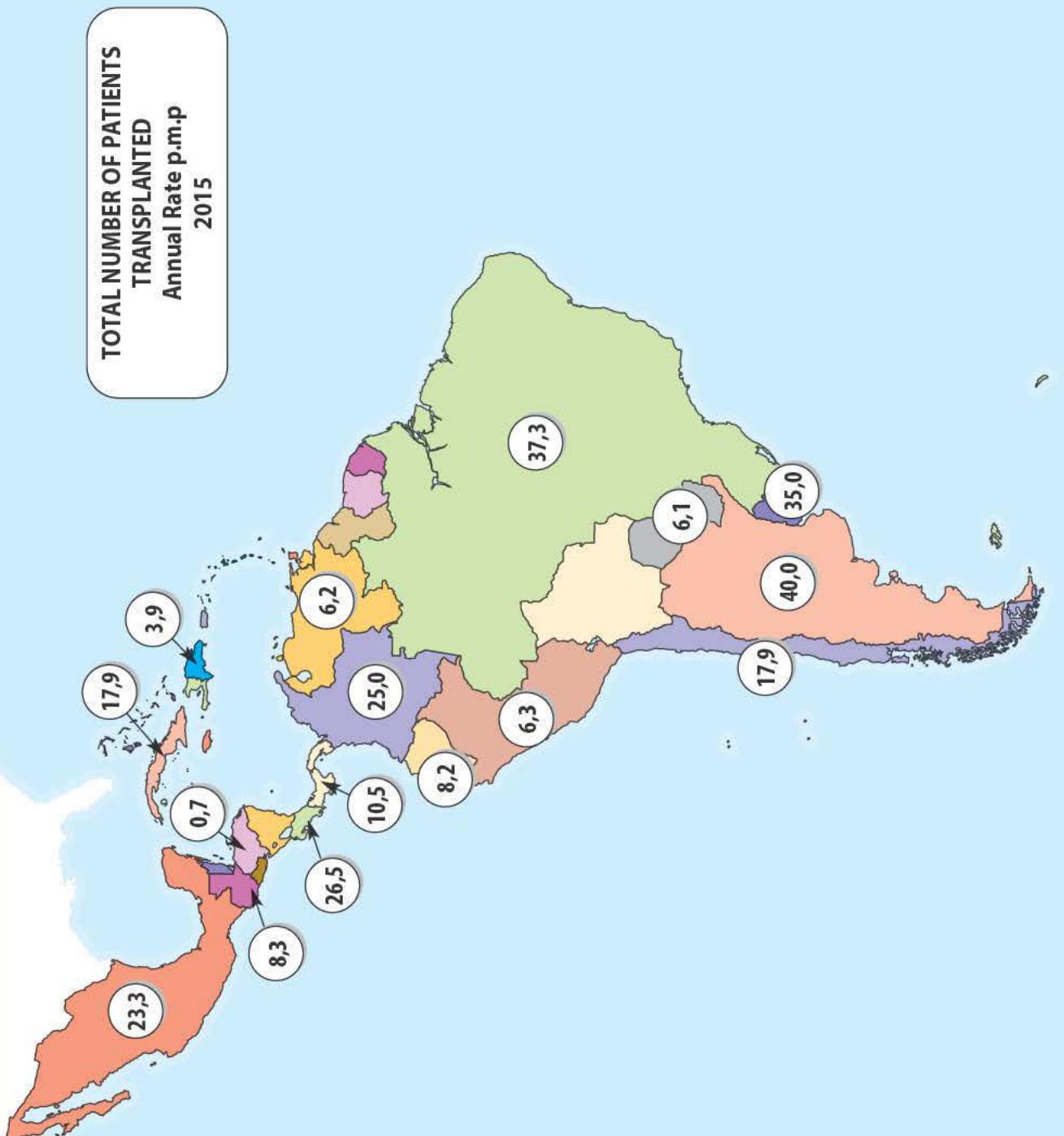


PANCREAS TRANSPLANT
-all combinations included-
Annual Rate p.m.p
2015



SMALL BOWEL TRANSPLANT
-all combinations included-
Annual Rate p.m.p
2015



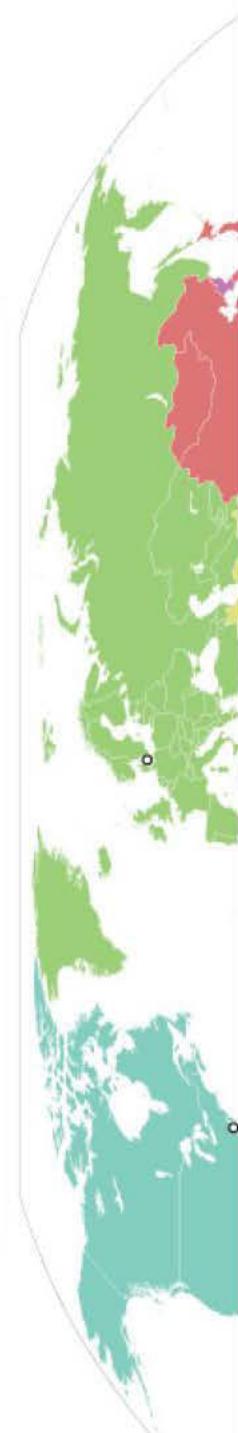




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LATIN AMERICAN COUNTRIES



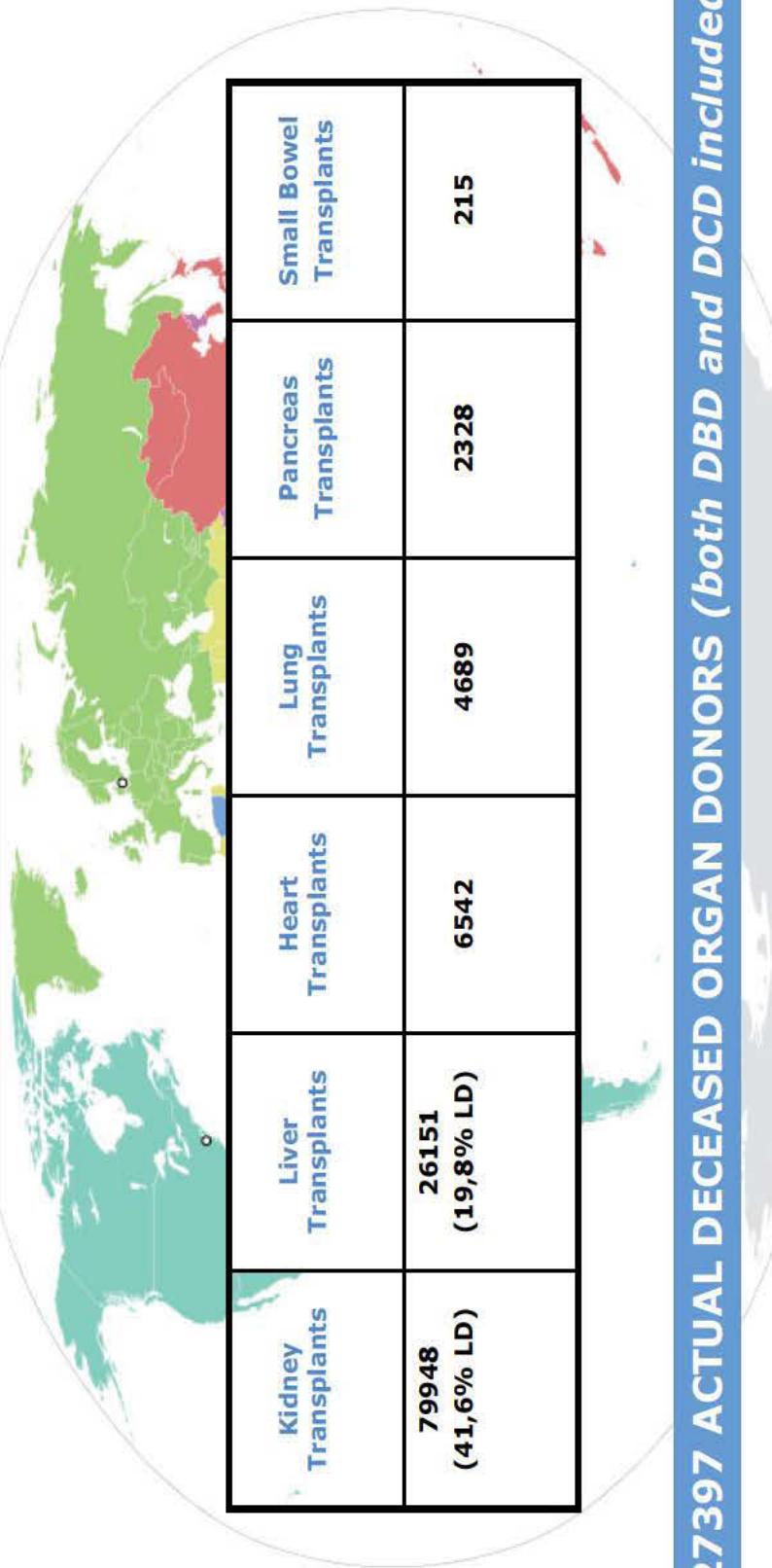
Kidney Transplants	Liver Transplants	Heart Transplants	Lung Transplants	Pancreas Transplants	Small Bowel Transplants	Organs transplanted
11674 (33,1% LD)	2769 (8,0% LD)	613	156	213	6	15431

4892 ACTUAL DECEASED ORGAN DONORS (both DBD and DCD included)

2015 data

N = 16 COUNTRIES (587,9 million inhabitants)

GLOBAL ACTIVITY IN ORGAN TRANSPLANTATION 2014 ESTIMATES



27397 ACTUAL DECEASED ORGAN DONORS (both DBD and DCD included)

- **Information of 107 Member States on organ transplantation activities is included in the GODT: 93 of 2014, 6 of 2013, 2 of 2012, 3 of 2011 and 3 of 2010.**



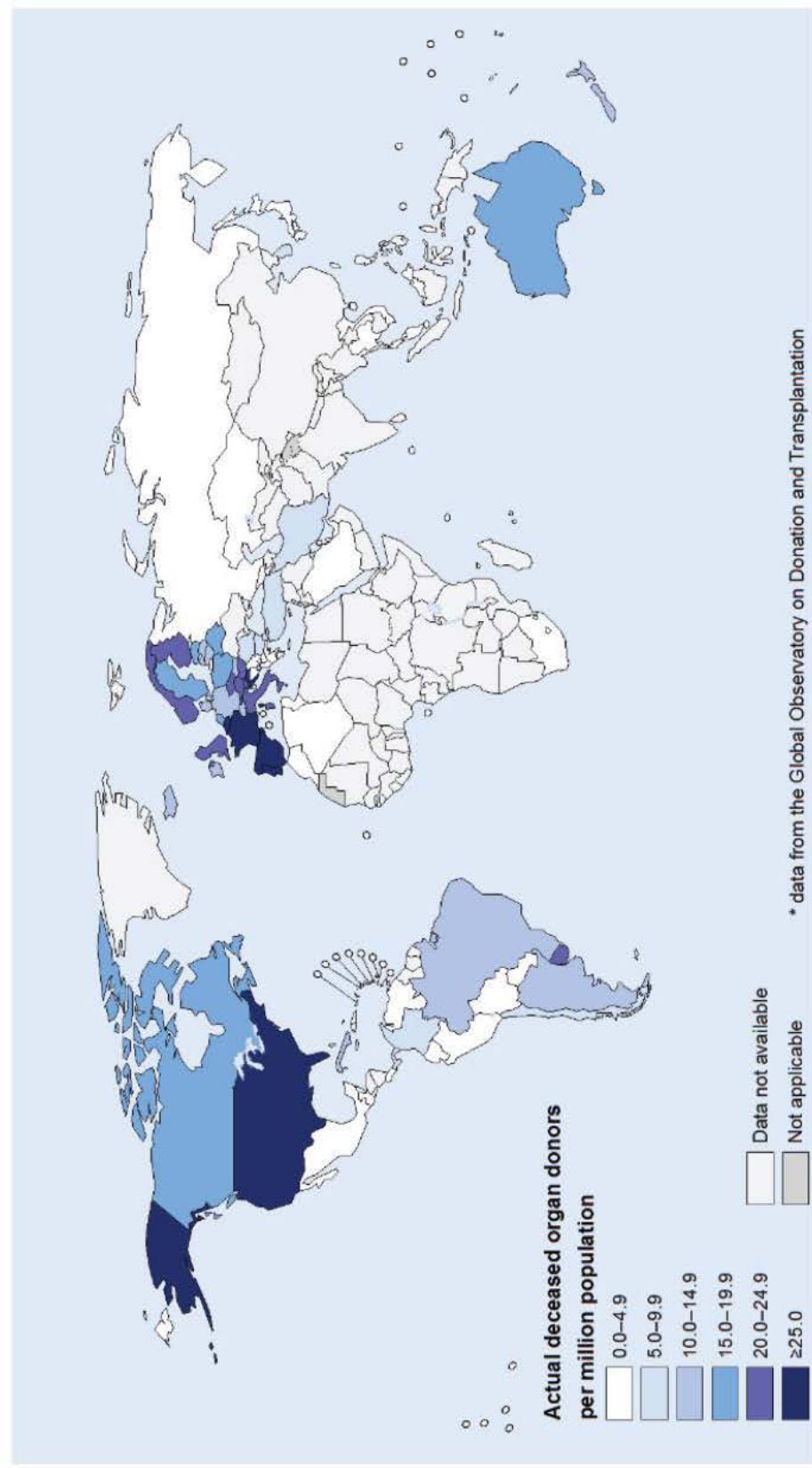
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Gobierno de España
Ministerio de Sanidad, Política Social
e Igualdad

Actual donors from deceased persons, 2014*



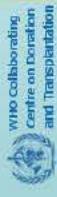
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Data Source: Global Observatory on Donation & Transplantation. Map Production: Information, Evidence and Research (IER)
World Health Organization

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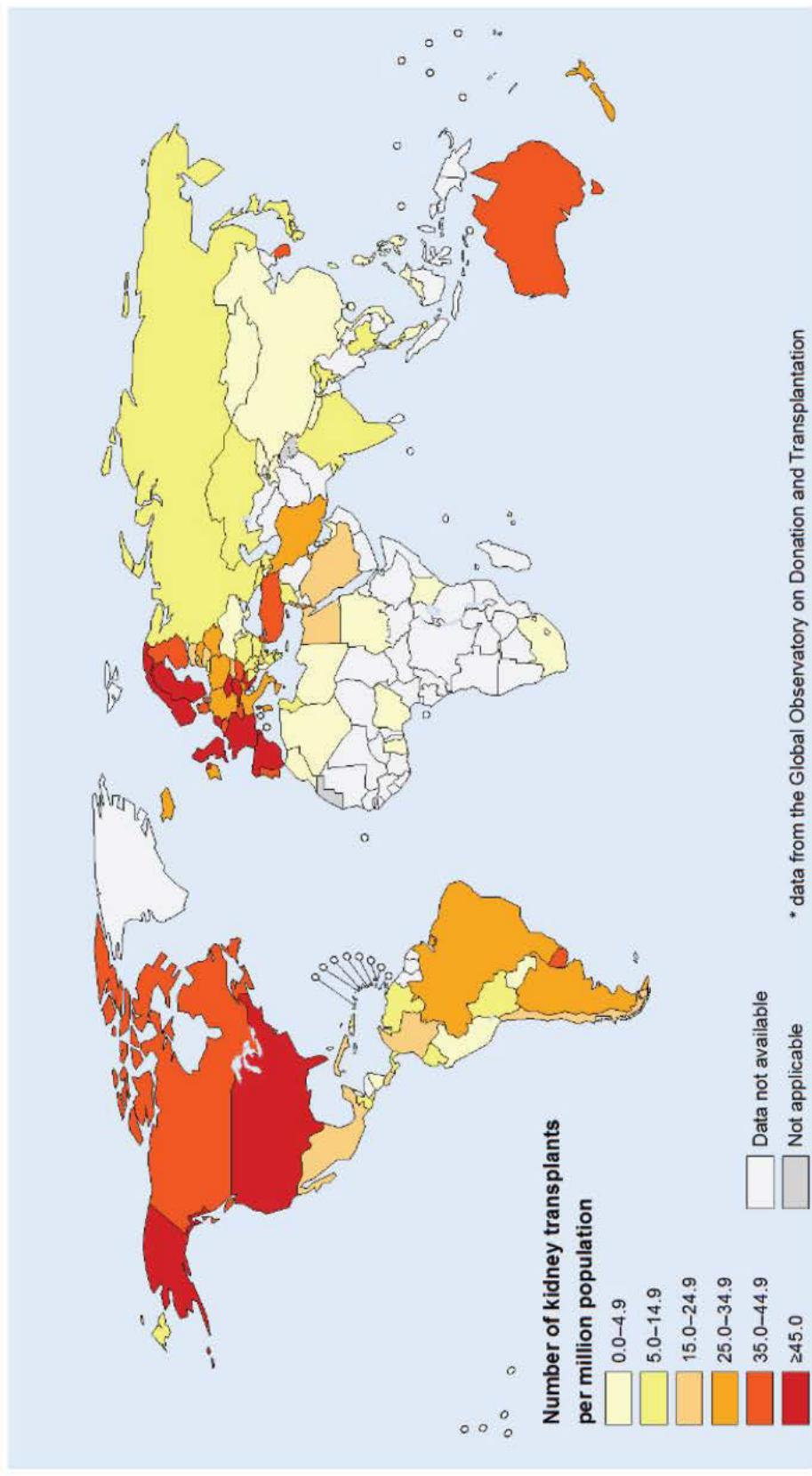
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E IGUALDAD

Gobierno
de España

Kidney transplantation activities, 2014*



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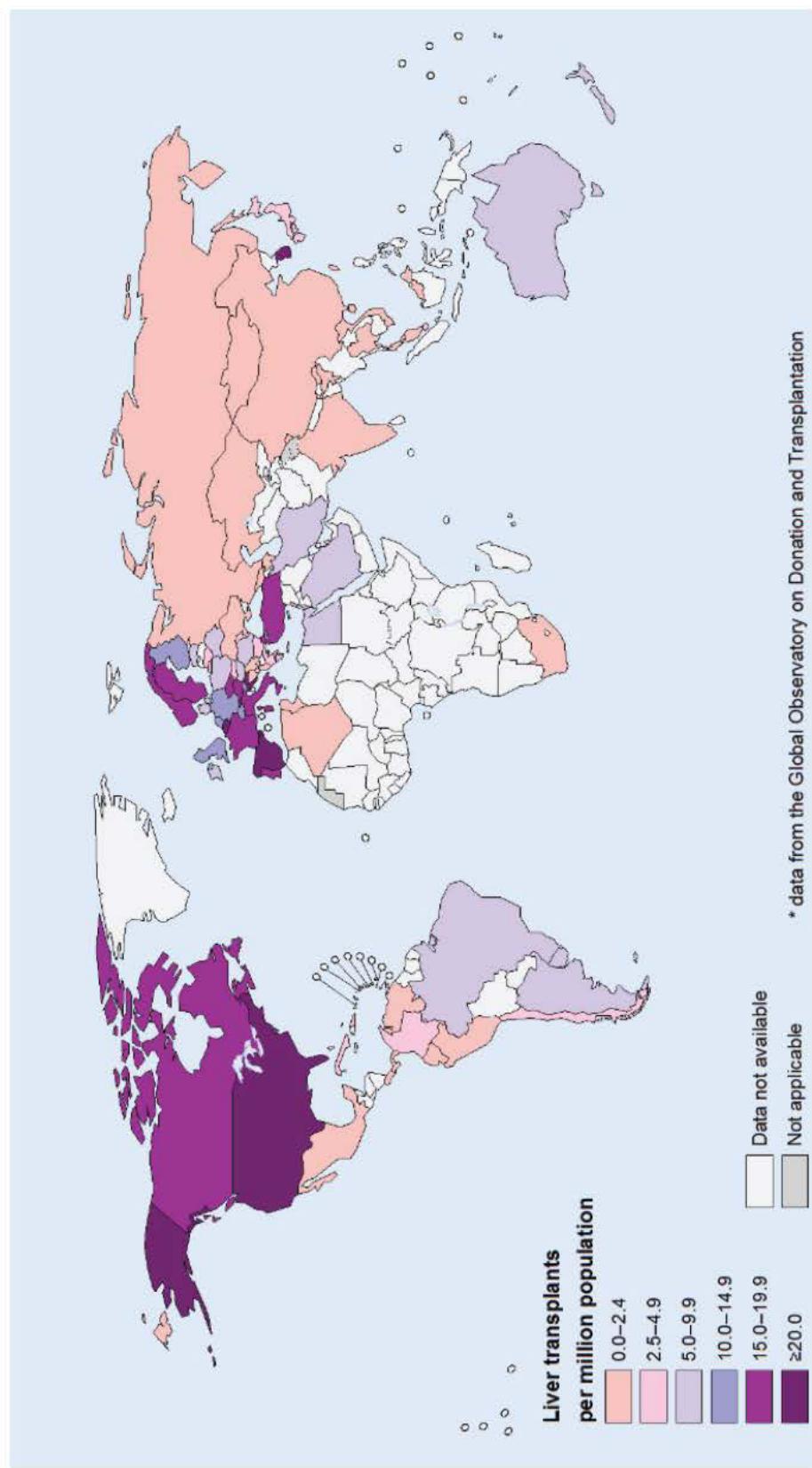


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Liver transplantation activities, 2014*



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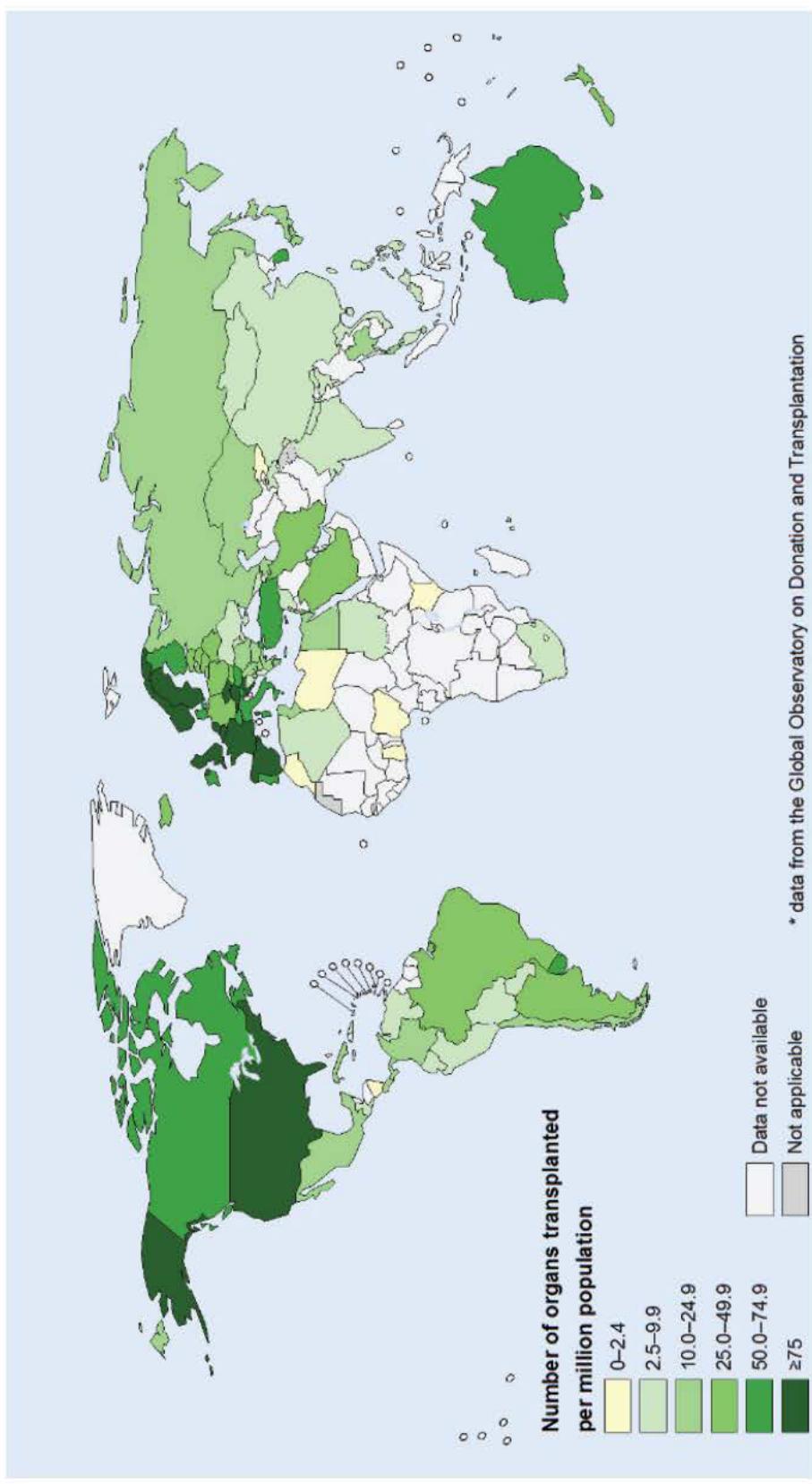


Global Observatory on Donation and Transplantation



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Global transplantation activities of solid organs, 2014*



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



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International Data On Organ Donation And Transplantation Activity, Waiting Lists and Family Refusals. Year 2015



WAITING LIST

		LATINAMERICAN COUNTRIES							
COUNTRIES	Population (million inhabitants): UNFPA	ARGENTINA	BRAZIL	CHILE	COLOMBIA	COSTA RICA	CUBA	DOMINICAN REP.	ECUADOR
KIDNEY									
Nº TX CENTRES		55	135	23	5	9	6	6	6
Patients included on the WL for the first time in the course of 2015	1739	11124	1261	200	71	173			
Total number of patients ever active on the WL during 2015	7805	28820	2978	450	109	563			
Patients awaiting for a transplant (only active candidates) on 31/12/2015	6066	18364	1911	450	97	445			
Patients who died while on the WL during 2015	432	1387	61		1	0			
Patients on dialyses on 31/12/2015	29317	91963	24178	3140	2290	326			
LIVER									
Nº TX CENTRES		26	58	10	3	3	1	1	1
Patients included on the WL for the first time in the course of 2015	811	3449	263	40	11		25		
Total number of patients ever active on the WL during 2015	2027	4764	375	40	19	38			
Patients awaiting for a transplant (only active candidates) on 31/12/2015	1216	1308	74	24	8	24			
Patients who died while on the WL during 2015	212	778	19	1	3				
HEART									
Nº TX CENTRES		22	36	8	3	1	2	0	0
Patients included on the WL for the first time in the course of 2015	177	532	82	10	0	1			
Total number of patients ever active on the WL during 2015	288	780	107	8	0	1			
Patients awaiting for a transplant (only active candidates) on 31/12/2015	111	251	18	3	0	5			
Patients who died while on the WL during 2015	34	121	9	0	0	0			
LUNG									
Nº TX CENTRES		7	8	4	2	0	0	0	0
Patients included on the WL for the first time in the course of 2015	92	127	30	0	0	0			
Total number of patients ever active on the WL during 2015	275	332	46	0	0	0			
Patients awaiting for a transplant (only active candidates) on 31/12/2015	183	206	21	1	0	0			
Patients who died while on the WL during 2015	45	43	6	0	0	0			
PANCREAS									
Nº TX CENTRES		16	19	4	1	0	0	0	0
Patients included on the WL for the first time in the course of 2015	96	338	4	0	0	0			
Total number of patients ever active on the WL during 2015	238	735	19	0	0	0			
Patients awaiting for a transplant (only active candidates) on 31/12/2015	142	501	8	0	0	0			
Patients who died while on the WL during 2015	18	22	0	0	0	0			
SMALL BOWEL									
Nº TX CENTRES		2	2	4	1	0	0	0	0
Patients included on the WL for the first time in the course of 2015	9	3	5	0	0	0			
Total number of patients ever active on the WL during 2015	21	10	6	0	0	0			
Patients awaiting for a transplant (only active candidates) on 31/12/2015	12	7	2	0	0	0			
Patients who died while on the WL during 2015	2	2	0	0	0	0			

WAITING LIST						
		LATINAMERICAN COUNTRIES				
COUNTRIES		GUATEMALA	HONDURAS	MEXICO	PANAMA	PARAGUAY
Population (million inhabitants): UNFFPA		16,3	8,1	127,0	3,9	6,6
KIDNEY						
Nº TX CENTRES						
Patients included on the WL for the first time in the course of 2015						
Total number of patients ever active on the WL during 2015		242	1	4	8	3
Patients awaiting for a transplant (only active candidates) on 31/12/2015		4420		48	131	15
Patients who died while on the WL during 2015		15900		177	559	302
Patients on dialyses on 31/12/2015		12321		140	425	1621
		69		0	0	451
						1520
						84
						31,1
LIVER						
Nº TX CENTRES						
Patients included on the WL for the first time in the course of 2015						
Total number of patients ever active on the WL during 2015		0	73	1	1	2
Patients awaiting for a transplant (only active candidates) on 31/12/2015		0	254	2	11	7
Patients who died while on the WL during 2015		0	663	14	35	24
		0	393	14	0	62
		0	39	0	11	27
					2	19
					2	8
HEART						
Nº TX CENTRES						
Patients included on the WL for the first time in the course of 2015						
Total number of patients ever active on the WL during 2015		0	48	1	3	1
Patients awaiting for a transplant (only active candidates) on 31/12/2015		0	64	5	12	0
Patients who died while on the WL during 2015		0	107	10	1	0
		0	50	7	3	29
		0	4	1	0	0
					0	20
					5	0
LUNG						
Nº TX CENTRES						
Patients included on the WL for the first time in the course of 2015						
Total number of patients ever active on the WL during 2015		0	10	0	3	1
Patients awaiting for a transplant (only active candidates) on 31/12/2015		0	1	1	5	0
Patients who died while on the WL during 2015		0	2	0	1	19
		0	1	0	3	0
		0	1	0	0	11
					0	0
PANCREAS						
Nº TX CENTRES						
Patients included on the WL for the first time in the course of 2015						
Total number of patients ever active on the WL during 2015		0	22	0	0	1
Patients awaiting for a transplant (only active candidates) on 31/12/2015		0	4	0	0	2
Patients who died while on the WL during 2015		0	22	0	0	0
		0	19	0	0	28
		0	0	0	0	0
					0	20
					4	0
SMALL BOWEL						
Nº TX CENTRES						
Patients included on the WL for the first time in the course of 2015						
Total number of patients ever active on the WL during 2015		0	3	0	0	0
Patients awaiting for a transplant (only active candidates) on 31/12/2015		0	0	0	0	0
Patients who died while on the WL during 2015		0	0	0	0	0

FAMILY REFUSALS

EUROPEAN UNION COUNTRIES									
COUNTRIES	AUSTRIA	BELGIUM	BULGARIA	CROATIA	CYPRUS	CZECH R.	DENMARK	ESTONIA	FINLAND
Population (million inhabitants): UNFPA	8,5	11,3	7,1	4,2	0,8	10,5	5,7	1,3	5,5
Number of interviews, asking for consent to donation	676	36	202	11				36	
Number of family refusals (%)	87 (12,9)	17 (47,22)	33 (16,3)	5 (45,5)				12 (33,3)	
738									
COUNTRIES	GERMANY	GREECE	HUNGARY	IRELAND	ITALY	LATVIA	LITHUANIA	LUXEMBOURG	MALTA
Population (million inhabitants): UNFPA	80,7	11,0	9,9	4,7	59,8	2,0	2,9	0,6	0,4
Number of interviews, asking for consent to donation									
Number of family refusals (%)									
154	20 (13,0)	2333	707 (30,3)	9 (31,0)	29	105	30 (28,6)		
36									
COUNTRIES	NETHERLANDS	POLAND	PORTUGAL	ROMANIA	SLOVAKIA	SLOVENIA	SPAIN	SWEDEN	U.K.
Population (million inhabitants): UNFPA	16,9	38,6	10,3	19,5	5,4	2,1	46,1	9,8	64,7
Number of interviews, asking for consent to donation									
Number of family refusals (%)									
643	100 (15,6)	370	67 (18,1)	117	12 (10,3)	2185	334 (15,3)	3712	1269 (34,2)
OTHER COUNTRIES									
COUNTRIES	ARMENIA	AUSTRALIA	AZERBAIJAN	BELARUS	BOSNIA AND HERZEGOVINA	CANADA	GEORGIA	ICELAND	IRAN
Population (million inhabitants): UNFPA	3,0	24	9,8	9,5	3,8	35,9	4	0,3	79,1
Number of interviews, asking for consent to donation									
Number of family refusals (%)									
905	341 (37,7)	0	0 (0,0)	9	3 (33,3)				
129									
52 (40,3)									
126									
160 (67,8)									
COUNTRIES	MOLDOVA	MONTENEGRD	NEW ZEALAND	NORWAY	RUSSIAN F.	SUDAN	SWITZERLAND	SYRIA	TURKEY
Population (million inhabitants): UNFPA	4,1	0,6	4,5	5,2	143,5	40,2	8,3	18,5	78,7
Number of interviews, asking for consent to donation	51	23							
Number of family refusals (%)	17 (33,3)	23 (100)							
1969									
1497 (76,0)									
57									
53 (93,0)									
2028									
LATINAMERICAN COUNTRIES									
COUNTRIES	ARGENTINA	BRAZIL	CHILE	COLOMBIA	COSTA RICA	CUBA	DOMINICAN REP.	PERU	URUGUAY
Population (million inhabitants): UNFPA	43,4	207,8	17,9	48,2	4,8	11,4	10,5	31,4	3,4
Number of interviews, asking for consent to donation									
Number of family refusals (%)									
6191	2739 (44,2)	818	325 (39,7)						
170									
11 (6,5)									
49 (72,1)									
54									
6 (11,1)									
COUNTRIES	GUATEMALA	HONDURAS	MEXICO	PANAMA	PARAGUAY	PERU	DOMINICAN REP.	PERU	VENEZUELA
Population (million inhabitants): UNFPA	16,3	8,1	127,0	3,9	6,6	31,4	16,1	3,4	31,1
Number of interviews, asking for consent to donation									
Number of family refusals (%)									
51									
32									
237									
159 (67,1)									
74									
0 (0)									
136									
40 (29,4)									

International Data On Tissue And Hematopoietic Stem Cell Donation And Transplantation Activity. Year 2015



Data provided by National Competent Authorities:

EUROPE	Luxembourg Martine Debacker	LATIN AMERICA
Austria	Malta	Argentina Carlos Soratti
Belgium	Patricia Galea	Brazil Heder Murari Borba
Bulgaria Yordan Peev	Netherlands Frank Van Linden	Chile
Croatia Milena Ivanković	Poland	Colombia
Cyprus Carolina Stylianou	Portugal Paulo Severino	Costa Rica Cesar Gamboa
Czech Republic Eva Křemenová	Romania Andrei Nica	Cuba Alexander Mármos
Denmark	Slovakia Magdaléna Krátká Daniel Kuba	Dominican Rep. Fernando R. Morales Alexander Altman
Estonia Siim Suutre	Slovenia	Ecuador Rubén D. Chiriboga
Finland Anne Tammiruusu	Spain Bibiana Ramos Marina Álvarez	Guatemala
France Candide Font-Sala	Sweden Mona Hansson	Honduras
Germany	United Kingdom	Mexico J. Salvador Aburto
Greece	Rita Barallon	
Hungary Lilla Tokár	Macedonia	Panama César J. Cuero
Ireland	The Republic of Moldova Igor Codreanu Tatiana Timbalari	Paraguay Hugo A. Espinoza C.
Italy Fiorenza Bariani Letizia Lombardini	Norway Zaheer Rana	Peru Mariela Delgado
Latvia Leva Bekere	Turkey	Uruguay Mika Bengochea
Lithuania Justina Davainytė		Venezuela Evelyn Alonso

PRELIMINARY DATA ON TISSUES - YEAR 2015

EUROPEAN UNION COUNTRIES

Country	Population (Font: eurostat)	AUSTRIA	BELGIUM	BULGARIA	CROATIA	CYPRUS	CZECH REPUBLIC	DENMARK	ESTONIA	FINLAND	FRANCE	GERMANY	GREECE	HUNGARY	IRELAND	ITALY	LATVIA
TYPE OF TISSUE	TYPE OF DATA	NO DATA	NO DATA	84	342	0	889	129	167	5719	545	553	125,3	7616	10	1,986,96	
OCULAR TISSUE	N. of tissue donations Tissue donation PMP N° of tissue retrieved N° of tissue processed (units) N° of tissue distributed (units) N° of tissue imported (units) N° of tissue exported (units) N° of tissues transplanted N° of patients transplanted N° of transplants	8.576.261	11.258.434	7.320.198	4.225.316	847.008	10.538.275	5.659.715	1.313.271	5.471.753	66.415.161	81.197.537	10.858.018	9.855.571	4.628.949	60.795.612	1.986,96
BLOOD VESSEL	N. of tissue donations Tissue donation PMP N° of tissue retrieved N° of tissue processed (units) N° of tissue distributed (units) N° of tissue imported (units) N° of tissue exported (units) N° of tissues transplanted N° of patients transplanted N° of transplants	0	0	45	19	0	75	26	13	6.944	113	115	10,1	61,5	0	0	
CARDIAC TISSUE	N. of tissue donations Tissue donation PMP N° of tissue retrieved N° of tissue processed (units) N° of tissue distributed (units) N° of tissue imported (units) N° of tissue exported (units) N° of tissues transplanted N° of patients transplanted N° of transplants	0	0	19	4	0	71	198	24	104,6	113	113	880	0	0	0	
MUSCULOSKELETAL	N. of tissue donations Tissue donation PMP N° of tissue retrieved N° of tissue processed (units) N° of tissue distributed (units) N° of tissue imported (units) N° of tissue exported (units) N° of tissues transplanted N° of patients transplanted N° of transplants	6.916	1.56	0	86	0	0	143	12	12	4,2	4,2	0	0	0	0	
PLACENTA/AMNIOTIC MEMBRANE	N. of tissue donations Tissue donation PMP N° of tissue retrieved N° of tissue processed (units) N° of tissue distributed (units) N° of tissue imported (units) N° of tissue exported (units) N° of tissues transplanted N° of patients transplanted N° of transplants	960.3	36,9	0	86	0	0	235	653	43	12	12	479	0	0	0	
SKIN	N. of tissue donations Tissue donation PMP N° of tissue retrieved N° of tissue processed (cm ²) N° of tissue distributed (units) N° of tissue imported (units) N° of tissue exported (units) N° of tissues transplanted N° of patients transplanted N° of transplants	93	8	1,9	0	65	6	23	233	225	210,5	210,5	0	0	0	0	
OTHERS	N. of tissue donations Tissue donation PMP N° of tissue retrieved N° of tissue processed (units) N° of tissue distributed (units) N° of tissue imported (units) N° of tissue exported (units) N° of tissues transplanted N° of patients transplanted N° of transplants	39	5,4	0	0	62	0	0	1	151	123	118	59,4	0	0	0	

PRELIMINARY DATA ON HPC CELLS - YEAR 2015

EUROPEAN UNION COUNTRIES										
Country	AUSTRIA	BELGIUM	BULGARIA	CROATIA	CYPRUS	CZECH REPUBLIC	DENMARK	ESTONIA	FINLAND	FRANCE
Population (Font: eurostat)	8.576.261	11.258.434	7.202.198	4.225.316	847.008	10.538.275	5.659.715	1.313.271	5.471.753	66.415.161
										81.197.537
										10.858.018
										9.855.571
										4.628.949
										60.795.612
CATEGORY OF DATA	TYPE OF DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
POTENTIAL DONATION AND SEARCHING IN THE NATIONAL REGISTRIES	N° of potential donors at 31.12	0	43.703	136.108	88.163	0	31.164	248.671	0	361.413
	N° of coord blood unit at 31.12	0	3.016	3.294	4.159	0	3.345	34.115	35.838	33.450
	N° of searches requested	0	510	22.292	42.159	0	0	25.030	0	3.312
	N° of unrelated donation	0	0	46	216	0	0	1.309	0	781
DONATION	N° of donation – Autologous	97	548	0	0	51	239	3.304	0	4.504
	N° of donation – Allogenic	7	1.668	60	34	6	0	1.340	0	19.577
	N° of donation – Allogenic, related	7	42	16	0	6	0	923	0	1.789
	N° of donation – Allogenic, unrelated	0	1.626	44	34	0	0	417	0	17.788
BANKING of CORD BLOOD	N° of unrelated coord blood units collected	0	1.611	1.873	88	0	0	910	0	17.595
	N° of unrelated coord blood units distributed	0	0	2	1	0	4	229	0	0
	N° of unrelated coord blood units at 31.12	0	3.231	3.294	5.549	0	3.345	34.115	0	39.845
	N° of related coord blood units collected	0	12	3.288	10	0	0	0	0	239
	N° of related coord blood units distributed	0	0	0	0	0	0	0	0	0
	N° of related coord blood units at 31.12	0	196	20.498	172	0	0	0	0	3.727
TRANSPLANT	N° of transplants – Autologous	84	177	18	454	39	0	3.135	250	3.055
	N° of patients transplanted – Autologous	76	112	18	348	0	0	3.023	255	2.426
	N° of transplants – Allogenic	13	75	0	264	22	0	1.964	116	1.733
	N° of patients transplanted – Allogenic	13	75	0	243	0	0	0	114	1.619
	N° of transplants – Allogenic, related	7	30	0	68	6	0	921	43	998
	N° of patients transplanted – Allogenic, related	7	30	0	64	0	0	0	42	913
	N° of transplants – Allogenic, unrelated	6	45	0	196	16	0	1.043	73	735
	N° of patients transplanted – Allogenic, unrelated	6	45	0	179	0	0	0	72	706

PRELIMINARY ON HPC CELLS - YEAR 2015

Country	Population (Font: eurostat)	MEMBER STATES OF THE EUROPEAN UNION										OTHER COUNTRIES		
		LATVIA	LITHUANIA	LUXEMBOURG	MALTA	NETHERLANDS	POLAND	PORTUGAL	ROMANIA	SLOVAKIA	SPAIN	SWEDEN	UNITED KINGDOM	MOLDOVA
CATEGORY OF DATA	TYPE OF DATA	NO DATA												*
POTENTIAL DONATION AND SEARCHING IN THE NATIONAL REGISTRIES														
N° of potential donors at 31.12	10.738	0	0	0	81.672			385.323	13.288	6.764	16.293	200.678	NA	NE
N° of cord blood unit at 31.12	1.341	0	0	0	3.648			9.157	17.458	1.730	343	62.407	NA	NE
N° of searches requested	87	0	0	0	613			2.685	221	22.191	228	2.563	NA	NE
N° of unrelated donation	46	0	0	0	448			147	37	48	0	667	NA	NE
DONATION	N° of donation – Autologous	254	0	0	3.922			450	5.149	4.396	0	1.880	701	NE
	N° of donation – Allogenic	21	0	0	190			1.597	28	70	0	1.022	501	NE
	N° of donation – Allogenic, related	13	0	0	143			83	20	59	0	732	119	NE
	N° of donation – Allogenic, unrelated	8	0	0	47			1.514	8	11	0	290	382	NE
BANKING of CORD BLOOD	N° of unrelated cord blood units collected	0	0	0	1.713			1.405	2.740	14	0	2.573	319	NE
	N° of unrelated cord blood units distributed	0	0	0	99			3	0	0	0	247	10	NE
	N° of unrelated cord blood units at 31.12	0	0	0	0			9.160	11.426	2	0	62.407	4.491	NE
	N° of related cord blood units collected	120	0	0	0			0	8.593	24	0	1	2	NE
	N° of related cord blood units distributed	42	0	0	3			1	0	2	0	1	0	NE
	N° of related cord blood units at 31.12	1.098	0	0	0			145	101.404	22	0	0	16	NE
TRANSPLANT	N° of transplants – Autologous	143	0	0	2.859			391	163	154	0	1.880	562	NE
	N° of patients transplanted – Autologous	101	0	0	812			374	159	114	0	0	524	NE
	N° of transplants – Allogenic	60	0	0	620			163	96	85	0	1.188	295	NE
	N° of patients transplanted – Allogenic	57	0	0	523			152	95	73	0	0	278	NE
	N° of transplants – Allogenic, related	16	0	0	156			79	31	34	0	732	114	NE
	N° of patients transplanted – Allogenic, related	13	0	0	131			73	30	31	0	0	102	NE
	N° of transplants – Allogenic, unrelated	44	0	0	464			84	65	51	0	456	181	NE
	N° of patients transplanted – Allogenic, unrelated	44	0	0	392			79	65	42	0	0	176	NE

PRELIMINARY DATA ON HPC CELLS - YEAR 2015

LATINAMERICAN COUNTRIES																	
	ARGENTINA	BRAZIL	CHILE	COLOMBIA	COSTA RICA	CUBA	DOMINICAN REP.	ECUADOR	GUATEMALA	HONDURAS	MEXICO	PANAMA	PERU	PARAGUAY	URUGUAY	VENEZUELA	
Category of Data	Type of Data	No Data				No Data				No Data				No Data			
POTENTIAL DONATION AND SEARCHING IN THE NATIONAL REGISTRIES	Nº of potential donors at 31.12	74.054	3.830.316	0	0	0	0	0	0	0	0	0	0	768	0		
	Nº of coord blood unit at 31.12	2.840	14.305	0	0	0	0	0	0	0	0	0	0	0	0		
	Nº of searches requested	784	13.110	0	0	0	0	0	0	0	0	0	0	48	0		
	Nº of unrelated donation	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<hr/>																	
BANKING of CORD BLOOD	Nº of unrelated coord blood units at 31.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Nº of related coord blood units at 31.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<hr/>																	
TRANSPLANT	Nº of transplants – Autologous	566	1.082	0	27	0	0	0	0	0	33	95	12	77	0		
	Nº of patients transplanted – Autologous	566	0	0	25	0	0	0	0	0	33	0	12	77	0		
	Nº of transplants – Allogenic	376	629	0	23	0	0	0	0	0	57	83	24	27	0		
	Nº of patients transplanted – Allogenic	375	0	0	23	0	0	0	0	0	57	0	24	27	0		
	Nº of transplants – Allogenic, related	263	452	0	23	0	0	0	0	0	12	83	12	20	0		
	Nº of transplants – Allogenic, unrelated	113	177	0	0	0	0	0	0	0	45	0	12	7	0		
	Nº of patients transplanted – Allogenic, unrelated	112	0	0	0	0	0	0	0	0	45	0	12	7	0		

Global Observatory On Donation And Transplantation



The **Global Observatory on Donation and Transplantation (GODT)** database was devised as result of the inability to estimate the donation and transplantation practices all over the world. That reality led the World Health Assembly to request, for first time in 2004, the collection of global data on the practices, safety, quality, efficacy, epidemiology and ethical issues of allogeneic transplantation. The global database was therefore created to accomplish these requirements under the signed agreement between the World Health Organization (WHO) and the Spanish Ministry of Health.

As with the Newsletter Transplant, the collection of data is done through the Spanish National Organization of Transplants (ONT). In addition, the ONT hosts, manages, coordinates and maintains the entire database and the web platform that enables the access to the donation and transplantation figures. The **GODT** is running since 2007, providing information on organ donation and transplantation practices.

"The GODT is being possible thanks to the collaboration with the network of health authorities and officially designated focal points. It is the result of their valuable contribution to providing annual data".

The availability of this information is recognised as a prerequisite to ensure transparency and equity in donation and transplantation and to monitor transplant systems in countries.

The GODT has always been connected to the Newsletter Transplant of the Council of Europe database and other international data collection sources, such as that from Latin American countries, to avoid duplication of efforts. The collective data fed onto the GODT constitutes the best and only reliable form of official global data available.

Currently, this database represents the most comprehensive source of worldwide data derived from official sources.

After several years of running the database and the website, some limited capabilities were observed. Aiming at solving those matters, the ONT designed a project to remodel the **GODT** database and revamp the website, in order to ensure wide accessibility to the invaluable data collected annually in a friendly manner.

The newly revamped **GODT** website is more intuitive and dynamic, and it focuses the interest on the database and the relevant documents, allowing a rapid and easy access to all pieces of information about countries:

Facts, individual figures compared with regional and global estimates, charts, bar charts and global maps, are some of the possibilities that the **GODT** provides to users.

Visit the **GODT** website at: <http://www.transplant-observatory.org/>



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WHO-ONT

The global database on donation and transplantation represents the most comprehensive source to date of worldwide data concerning activities in organ donation and transplantation derived from official sources, as well as information on legal and organizational aspects.

The main direct collaboration between WHO and ONT has been focused on this collection of global data, which lead to the joint ONT-WHO Global Observatory on Donation and Transplantation.

[READ MORE...](#)

119,873

ORGANS TRANSPLANTED ANNUALLY (2014)

1.81%

OF INCREASE OVER 2013

27,397

ACTUAL DECEASED ORGAN DONORS IN 2014

13.6

TRANSPLANTS/HOUR IN 2014

41.60%

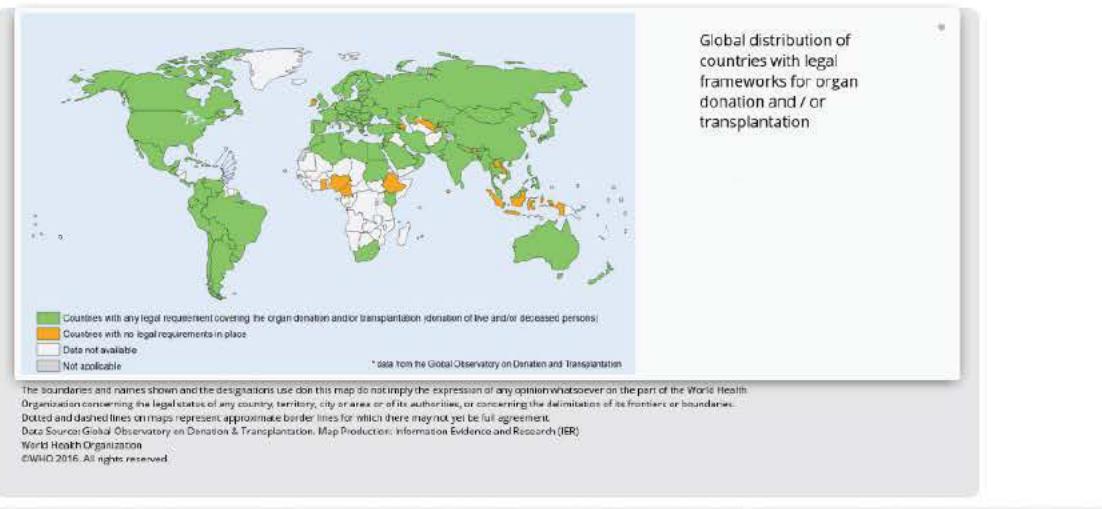
OF LIVING KIDNEY
TRANSPLANTS
(2014)

9.30%

OF ACTUAL DCD
(2014)

20%

OF LIVING LIVER
TRANSPLANTS
(2014)



[DATA](#)



[DOCUMENTS](#)

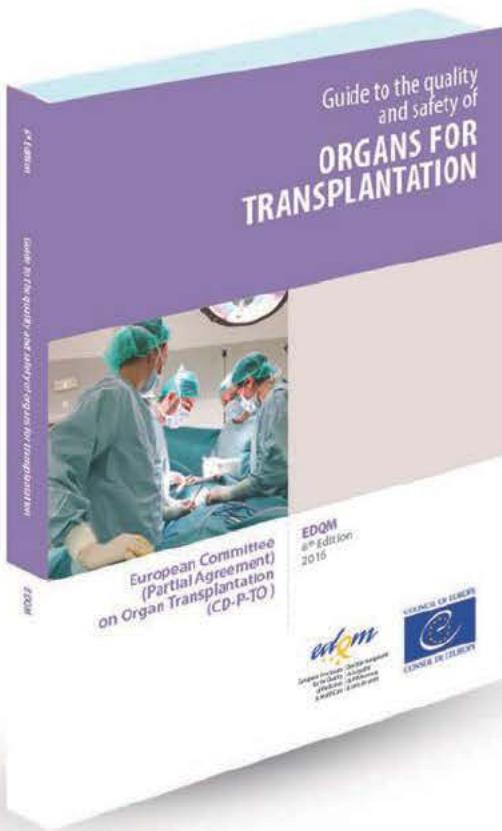
HIGHLIGHTS



NEWSLETTER TRANSPLANT 2015

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