

NEWSLETTER TRANSPLANT

International figures
on donation and
transplantation
2016



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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 2016.

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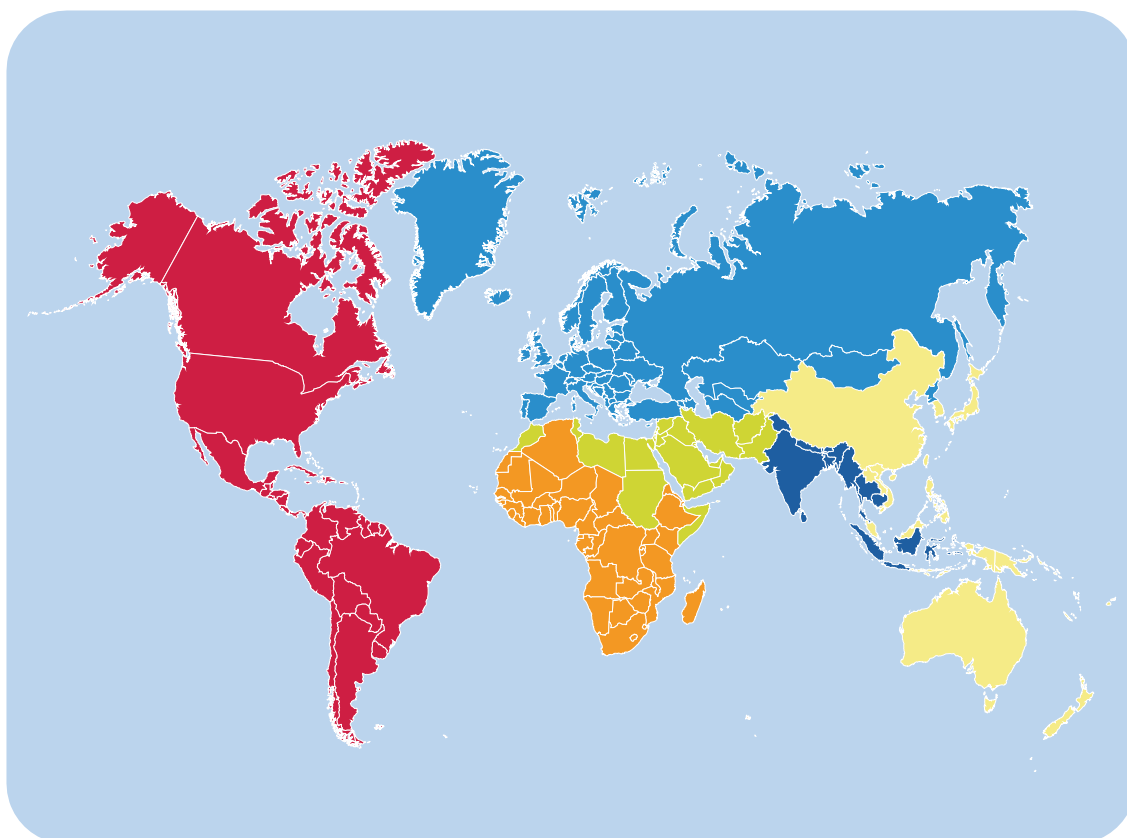
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NEWSLETTER TRANSPLANT 2017



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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

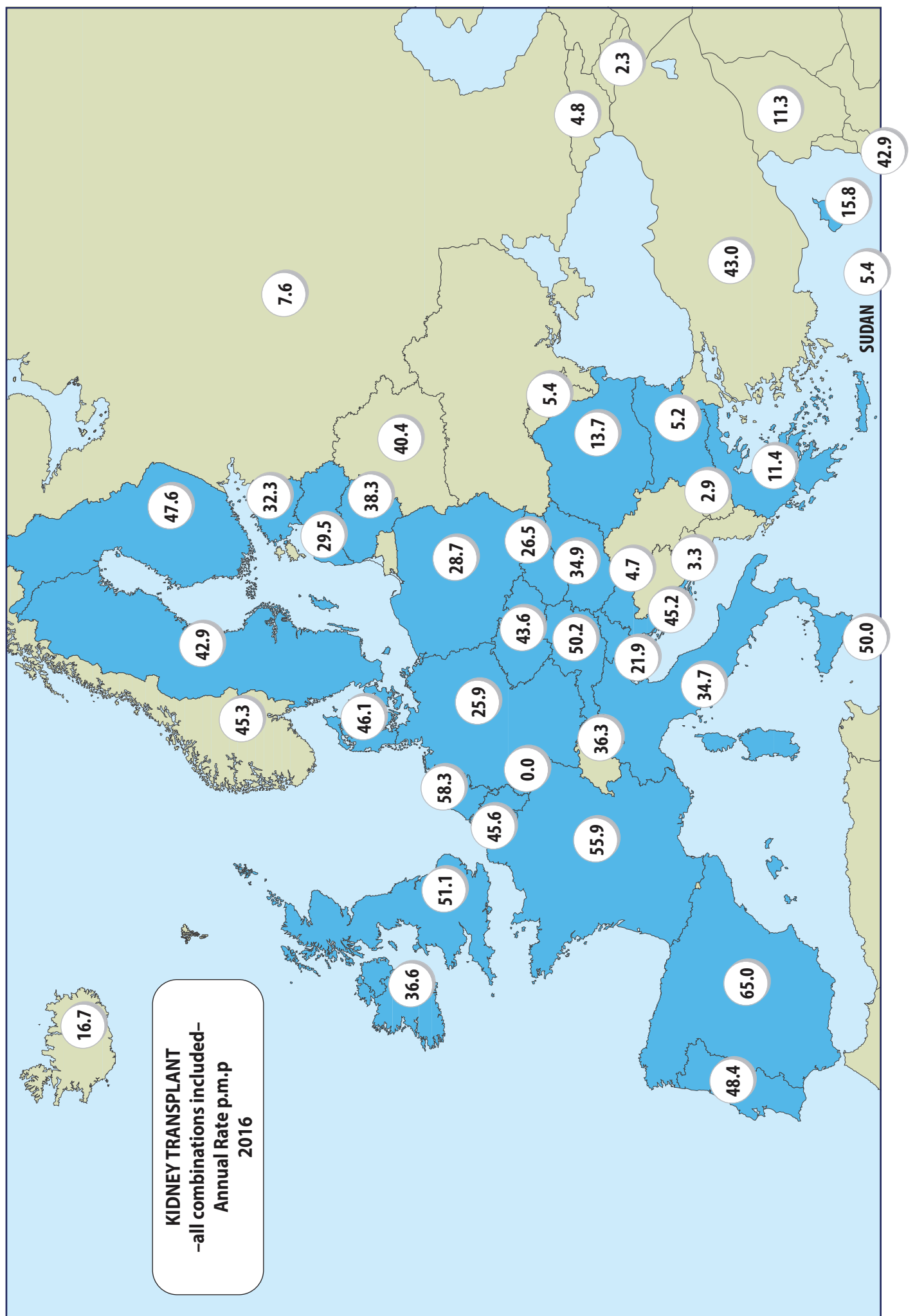
Example: At 1/1/2016 there were 200 patients active on the WL. Along the year, 100 patients are newly included on the WL (first row). In total, 300 patients have been ever active on the WL during the year (second row). Along the year, 200 patients were transplanted (number recorded in a different questionnaire), 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 2016	100
Total number of patients ever active on the WL during 2016	300
Patients awaiting for a transplant (only active candidates) on 31/12/2016	50
Patients who died while on the WL during 2016	25

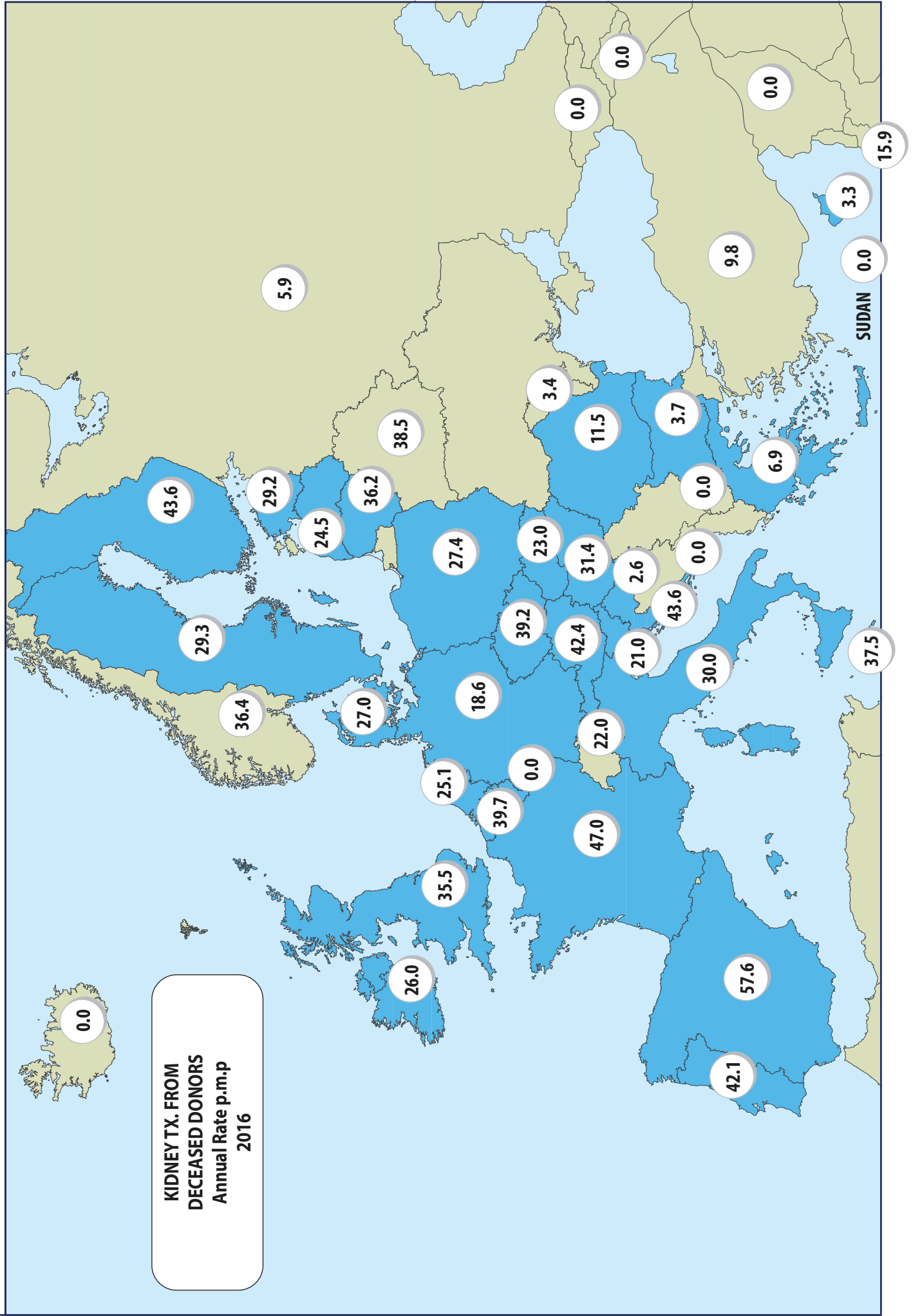
(*The United Nations Fund report (UNFPA: <http://www.unfpa.org/public/>) is used as the data source for estimates of population size)

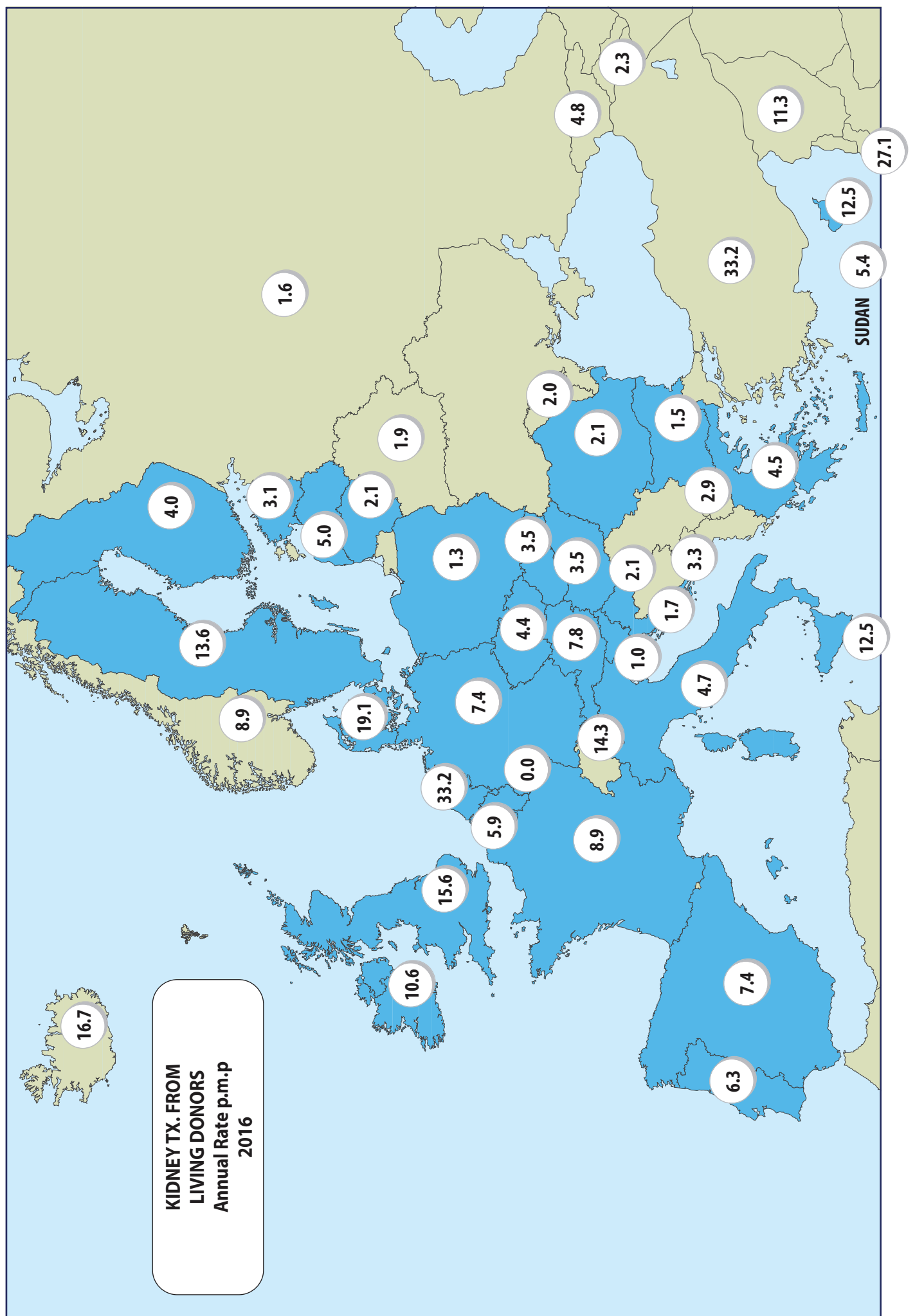
International Figures On Organ Donation And Transplantation Activity. Year 2016

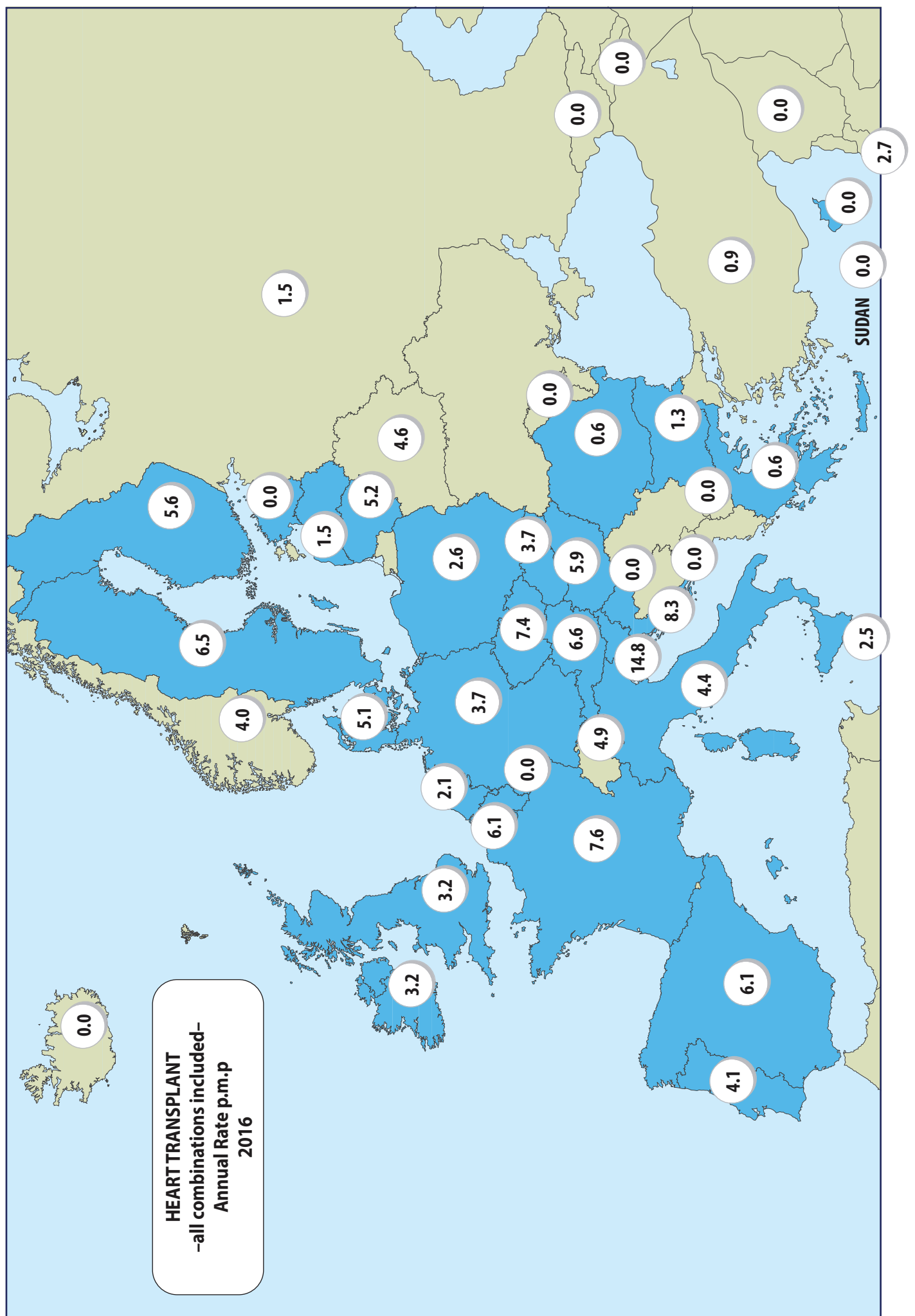


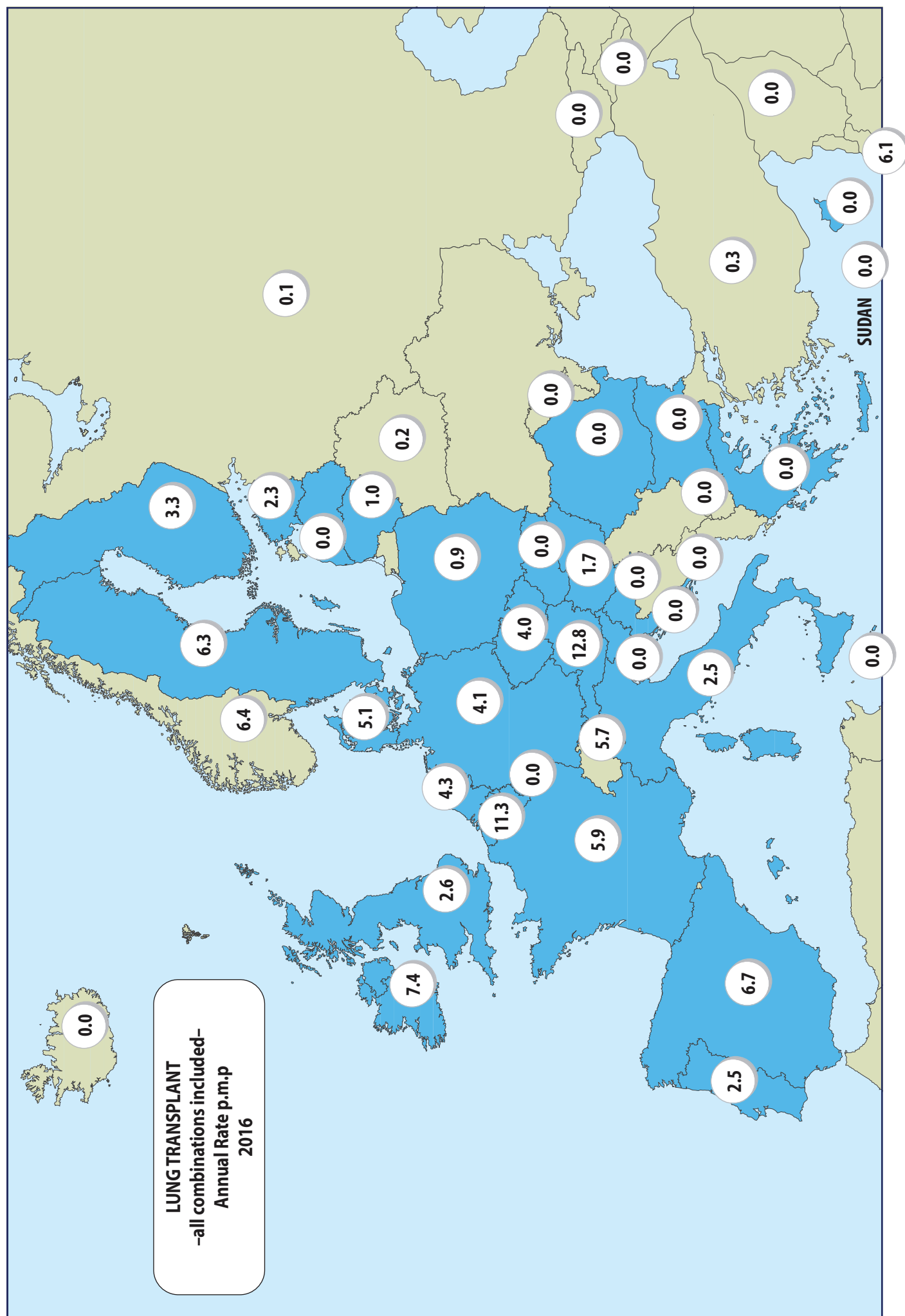


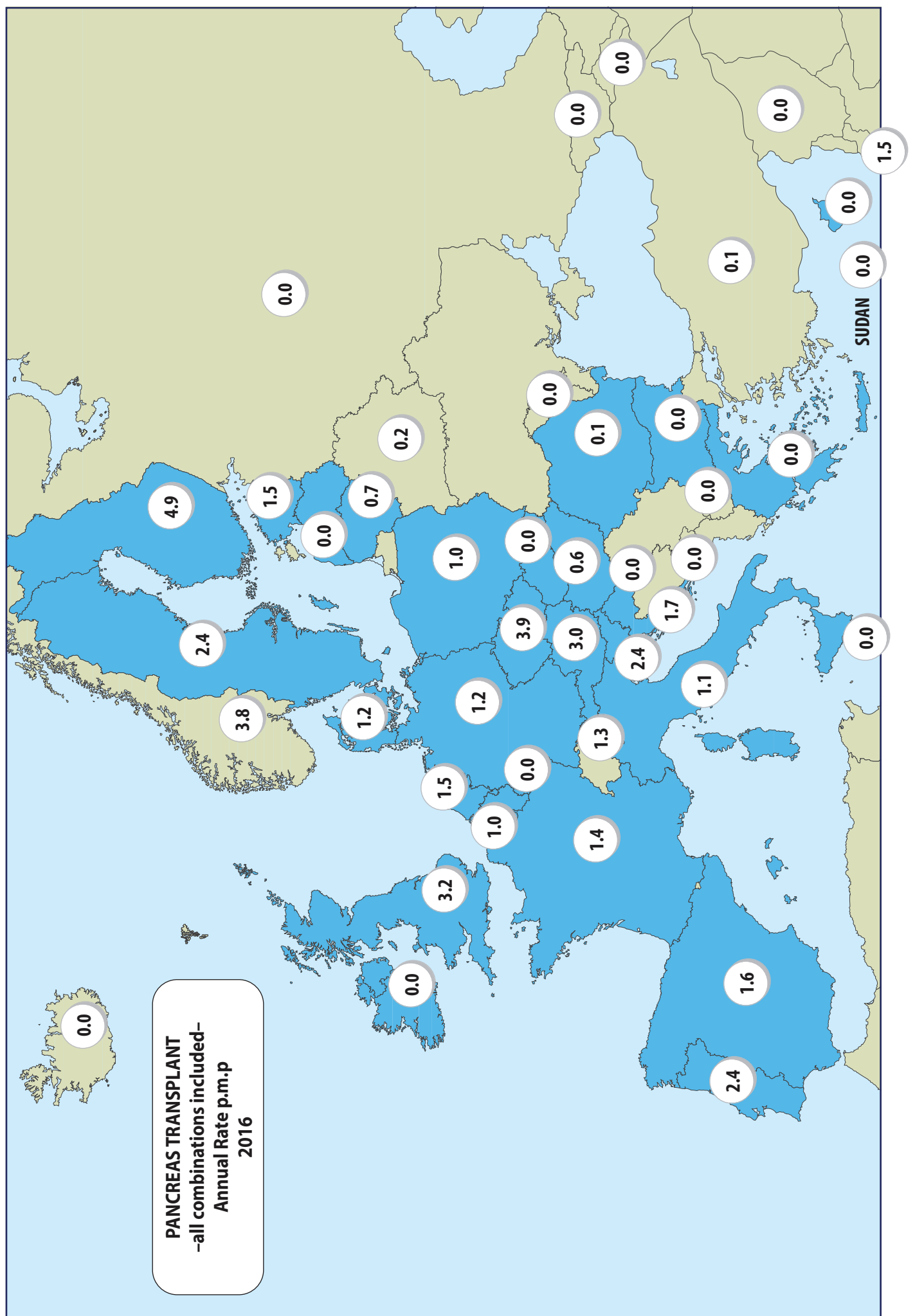
**KIDNEY TX. FROM
DECEASED DONORS
Annual Rate p.m.p
2016**

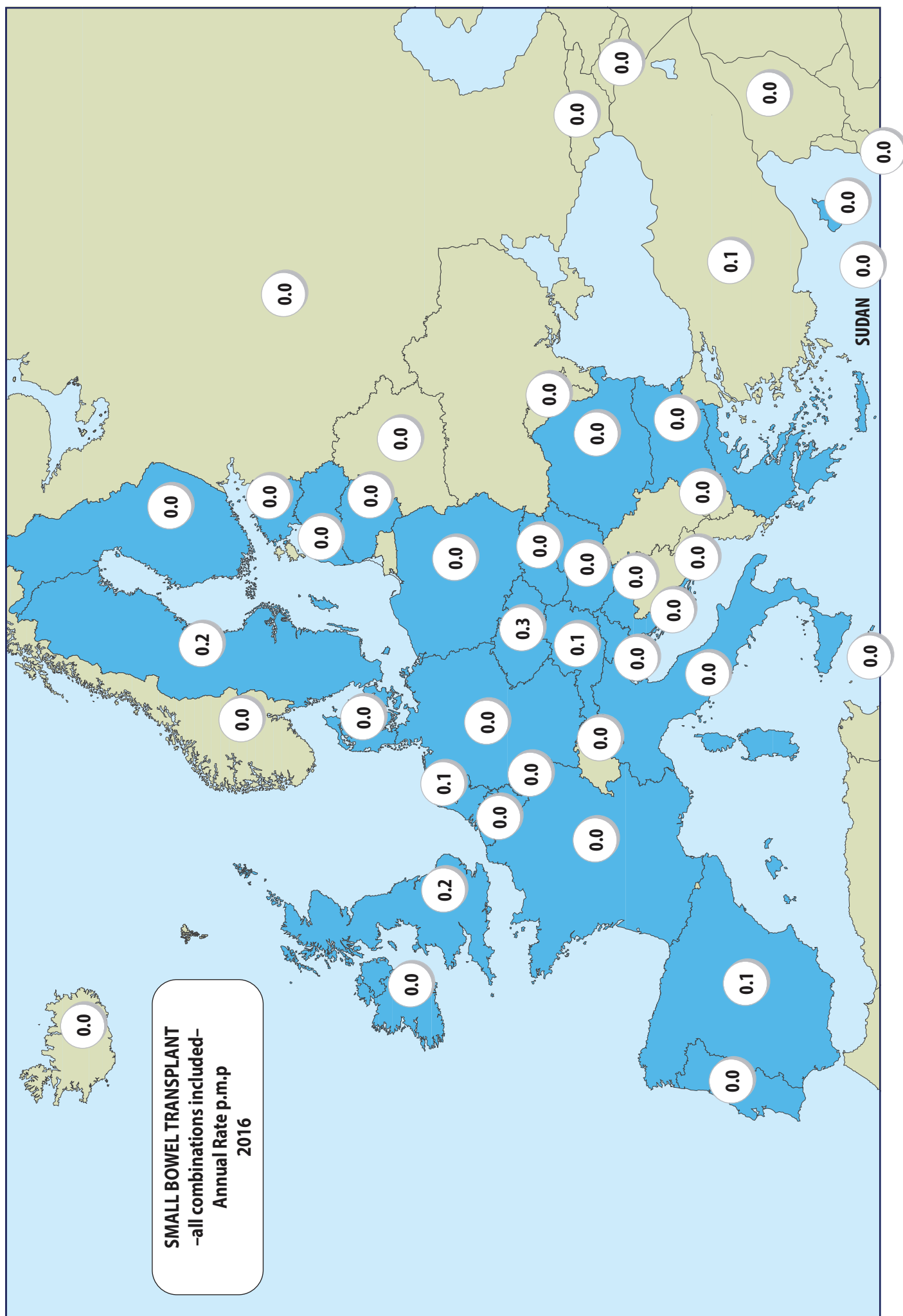


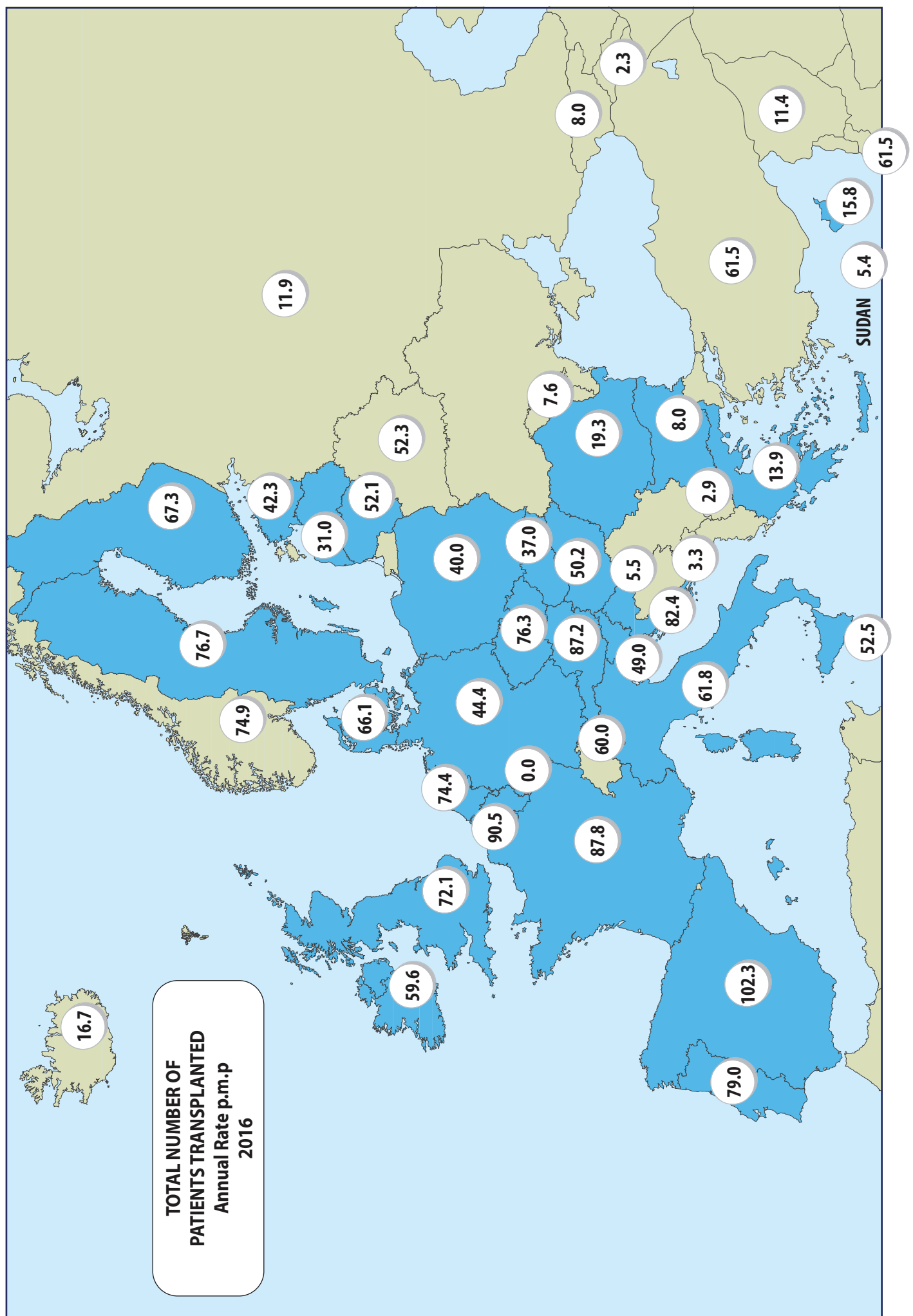




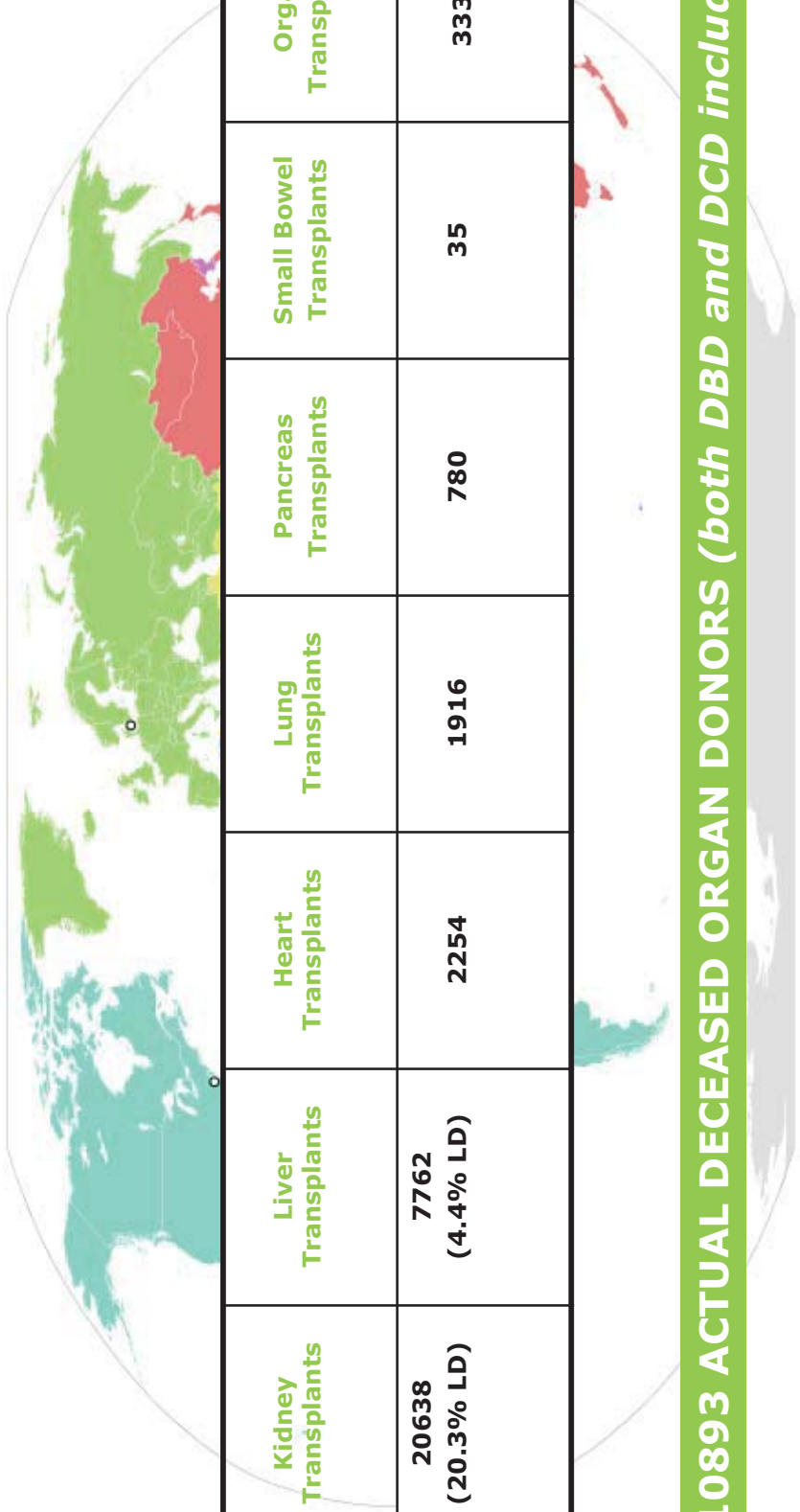








EUROPEAN UNION DATA



10893 ACTUAL DECEASED ORGAN DONORS (both DBD and DCD included)

2016 data

N= 28 COUNTRIES (505.9 million inhabitants)

Population (million inhabitants): UNFPA

Actual deceased organ donors – both DBD and DCD included –	36.3	PMP
KIDNEY	731	20.1
Total TX. – all combinations included –	1730	47.7
TX. from living donors	471	13.0
LIVER	580	16.0
Total TX. – all combinations included –	204	5.6
HEART	5	0.1
Total TX. – all combinations included –	302	8.3
HEART-LUNG	95	2.6
LUNG	5	0.1
PANCREAS	2897	79.8
SMALL BOWEL		
RECIPIENTS		

Population (million inhabitants): UNFPA

Actual deceased organ donors – both DBD and DCD included –	324.1	PMP
KIDNEY	9970	30.8
Total TX. – all combinations included –	19858	61.3
TX. from living donors	5629	17.4
LIVER	7841	24.2
Total TX. – all combinations included –	3209	9.9
HEART	18	0.1
Total TX. – all combinations included –	2345	7.2
HEART-LUNG	1013	3.1
LUNG	147	0.5
PANCREAS	32356	99.8
SMALL BOWEL		
RECIPIENTS		

Population (million inhabitants): UNFPA

Actual deceased organ donors – both DBD and DCD included –	24.3	PMP
KIDNEY	503	20.7
Total TX. – all combinations included –	1086	44.7
TX. from living donors	265	10.9
LIVER	314	12.9
Total TX. – all combinations included –	125	5.1
HEART	7	0.3
Total TX. – all combinations included –	199	8.2
HEART-LUNG	51	2.1
LUNG	1	0.0
PANCREAS	1716	70.6
SMALL BOWEL		
RECIPIENTS		

Population (million inhabitants): UNFPA

Actual deceased organ donors – both DBD and DCD included –	4.6	PMP
KIDNEY	61	13.3
Total TX. – all combinations included –	172	37.4
TX. from living donors	82	17.8
LIVER	59	12.8
Total TX. – all combinations included –	11	2.4
HEART	0	0.0
Total TX. – all combinations included –	17	3.7
HEART-LUNG	4	0.9
LUNG	0	0.0
PANCREAS	255	55.4
SMALL BOWEL		
RECIPIENTS		

Population (million inhabitants): UNFPA

Actual deceased organ donors – both DBD and DCD included –	30.8	PMP
KIDNEY	6	0.2
Total TX. – all combinations included –	48	1.6
TX. from living donors	39	1.3
LIVER	1	0.0
Total TX. – all combinations included –	0	0.0
HEART	0	0.0
Total TX. – all combinations included –	0	0.0
HEART-LUNG	0	0.0
LUNG	0	0.0
PANCREAS	0	0.0
SMALL BOWEL	0	0.0
RECIPIENTS	49	1.6

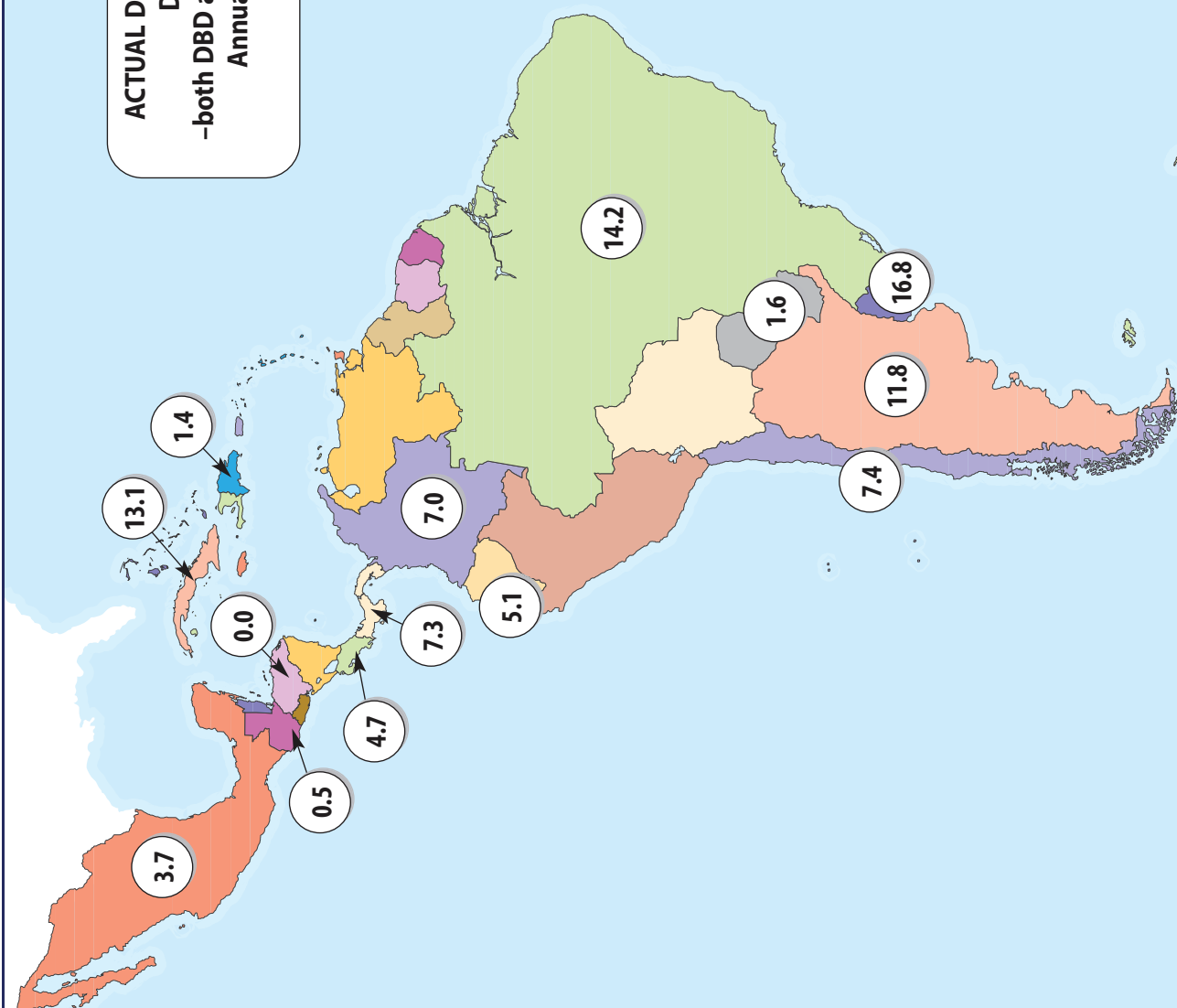
Population (million inhabitants): UNFPA

Actual deceased organ donors – both DBD and DCD included –	32.2	PMP
KIDNEY	92	2.9
Total TX. – all combinations included –	796	24.7
TX. from living donors	673	20.9
LIVER	215	6.7
Total TX. – all combinations included –	29	0.9
HEART	0	0.0
Total TX. – all combinations included –	16	0.5
HEART-LUNG	11	0.3
LUNG	1	0.0
PANCREAS	1061	33.0
SMALL BOWEL		
RECIPIENTS		

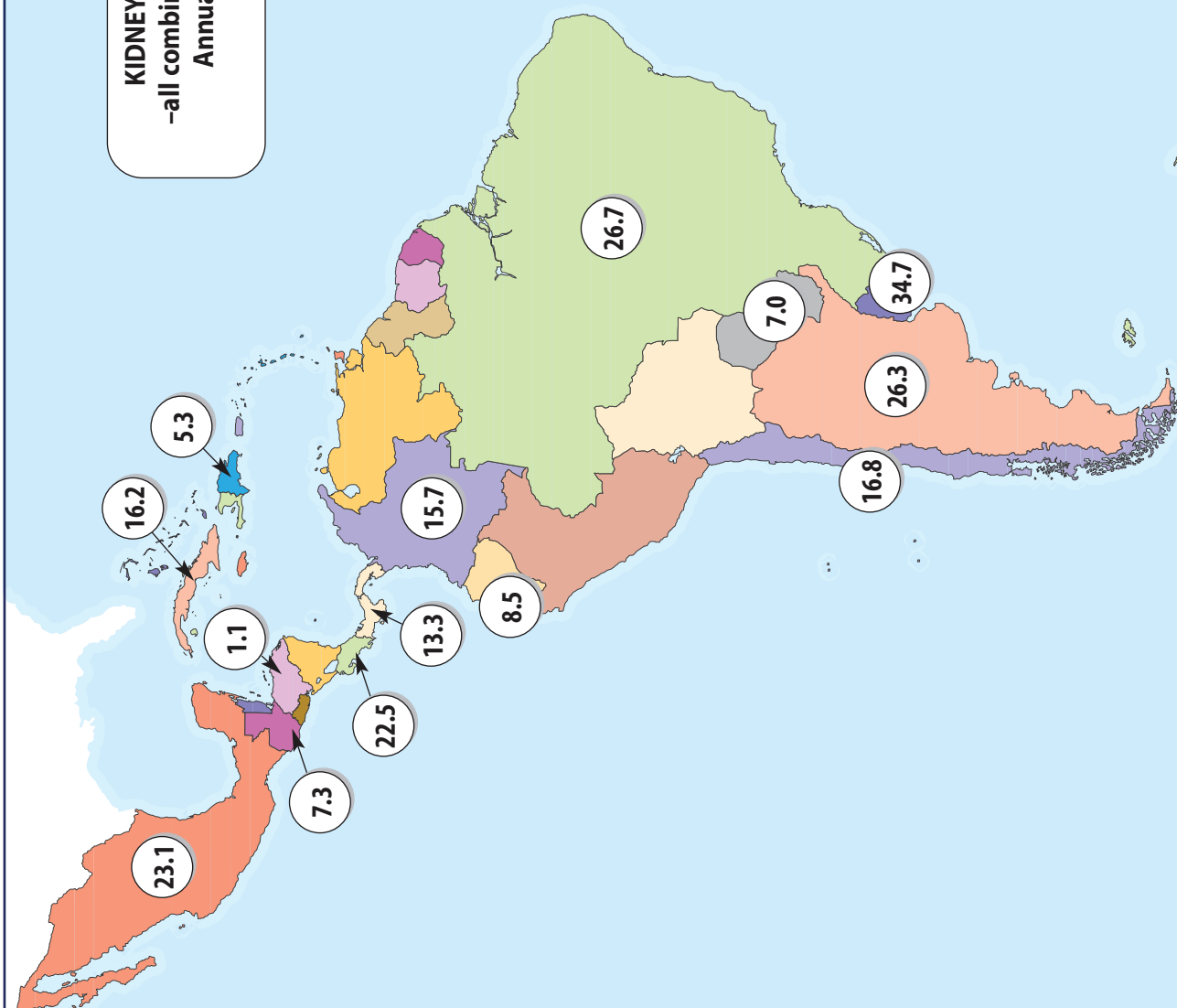
Population (million inhabitants): UNFPA

Actual deceased organ donors – both DBD and DCD included –	4.0	PMP
KIDNEY	18	4.5
Total TX. – all combinations included –	77	19.3
TX. from living donors	47	11.8
LIVER	0	0.0
Total TX. – all combinations included –	0	0.0
HEART	0	0.0
Total TX. – all combinations included –	0	0.0
HEART-LUNG	0	0.0
LUNG	0	0.0
PANCREAS	1	0.3
SMALL BOWEL	0	0.0
RECIPIENTS	77	19.3

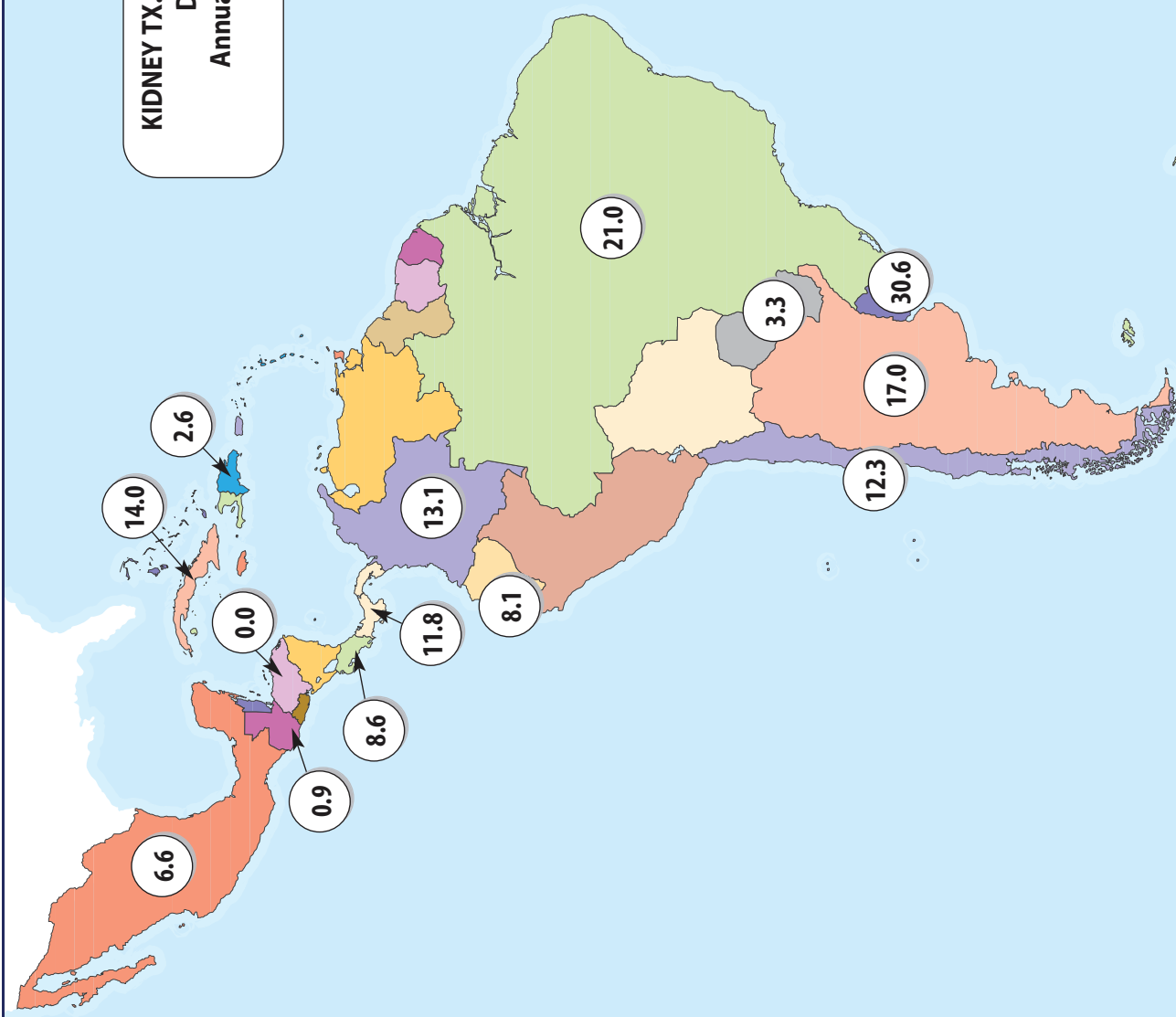
**ACTUAL DECEASED ORGAN
DONORS**
—both DBD and DCD included—
Annual Rate p.m.p
2016



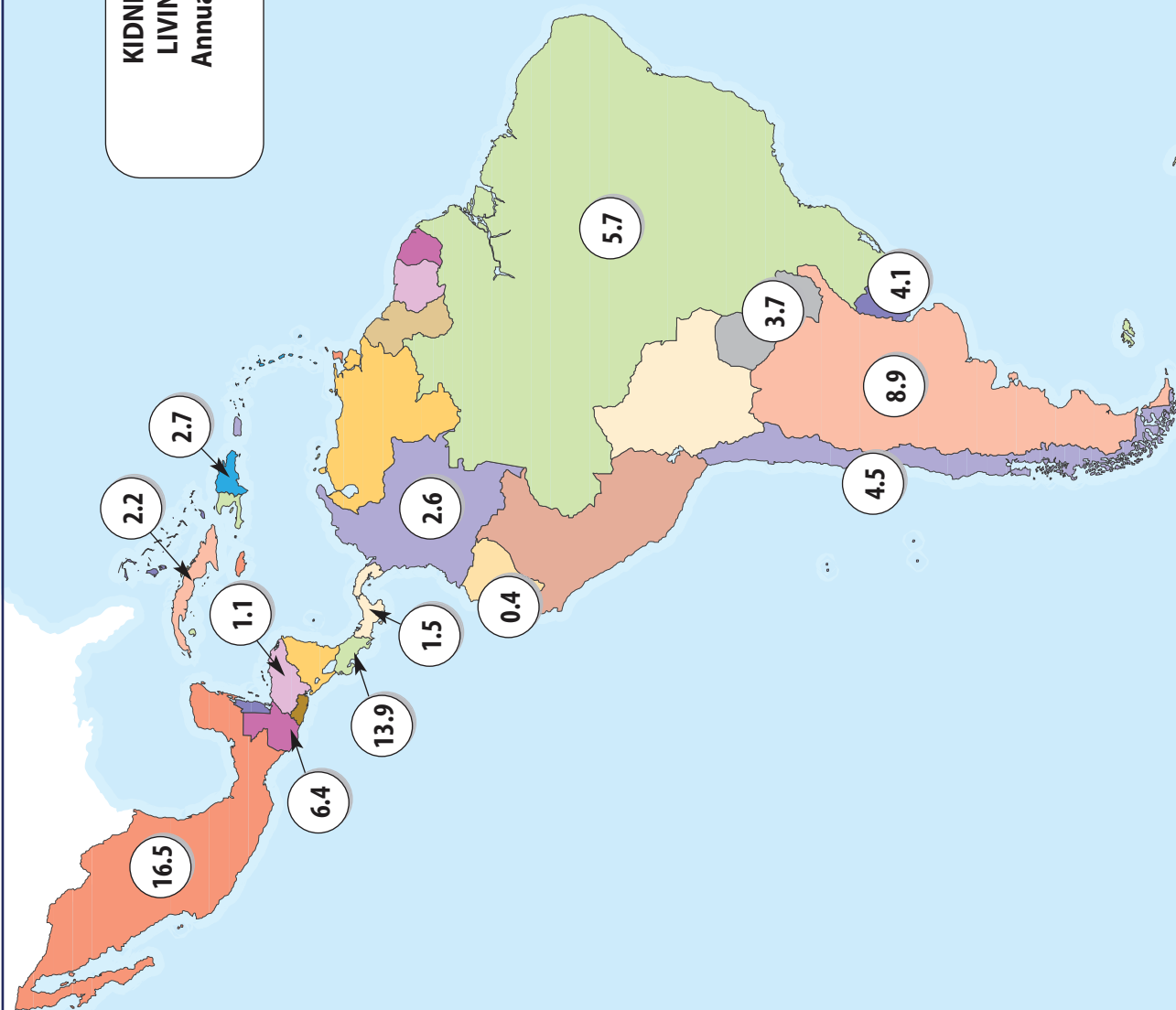
KIDNEY TRANSPLANT
-all combinations included-
Annual Rate p.m.p
2016



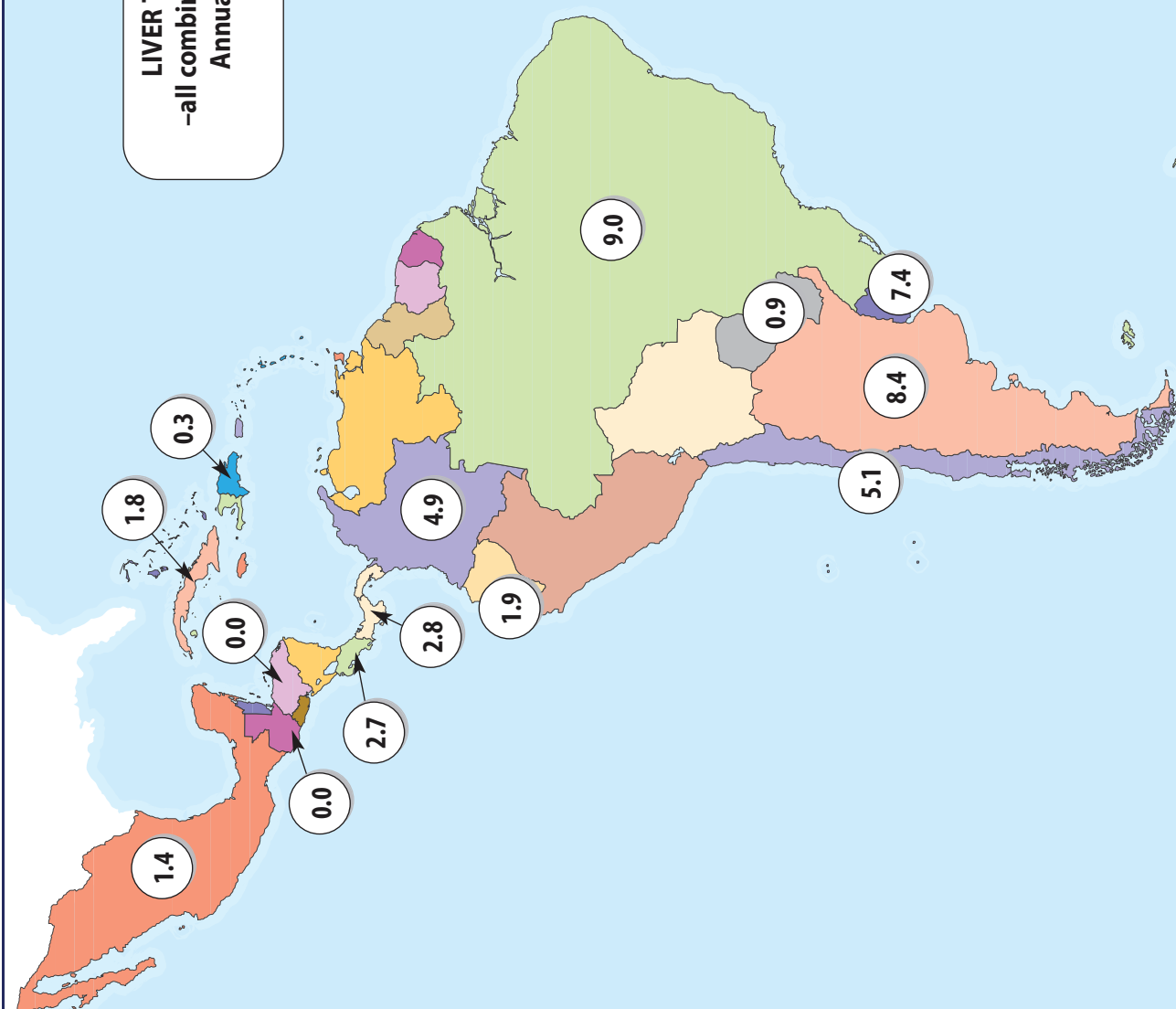
**KIDNEY TX. FROM DECEASED
DONORS
Annual Rate p.m.p
2016**



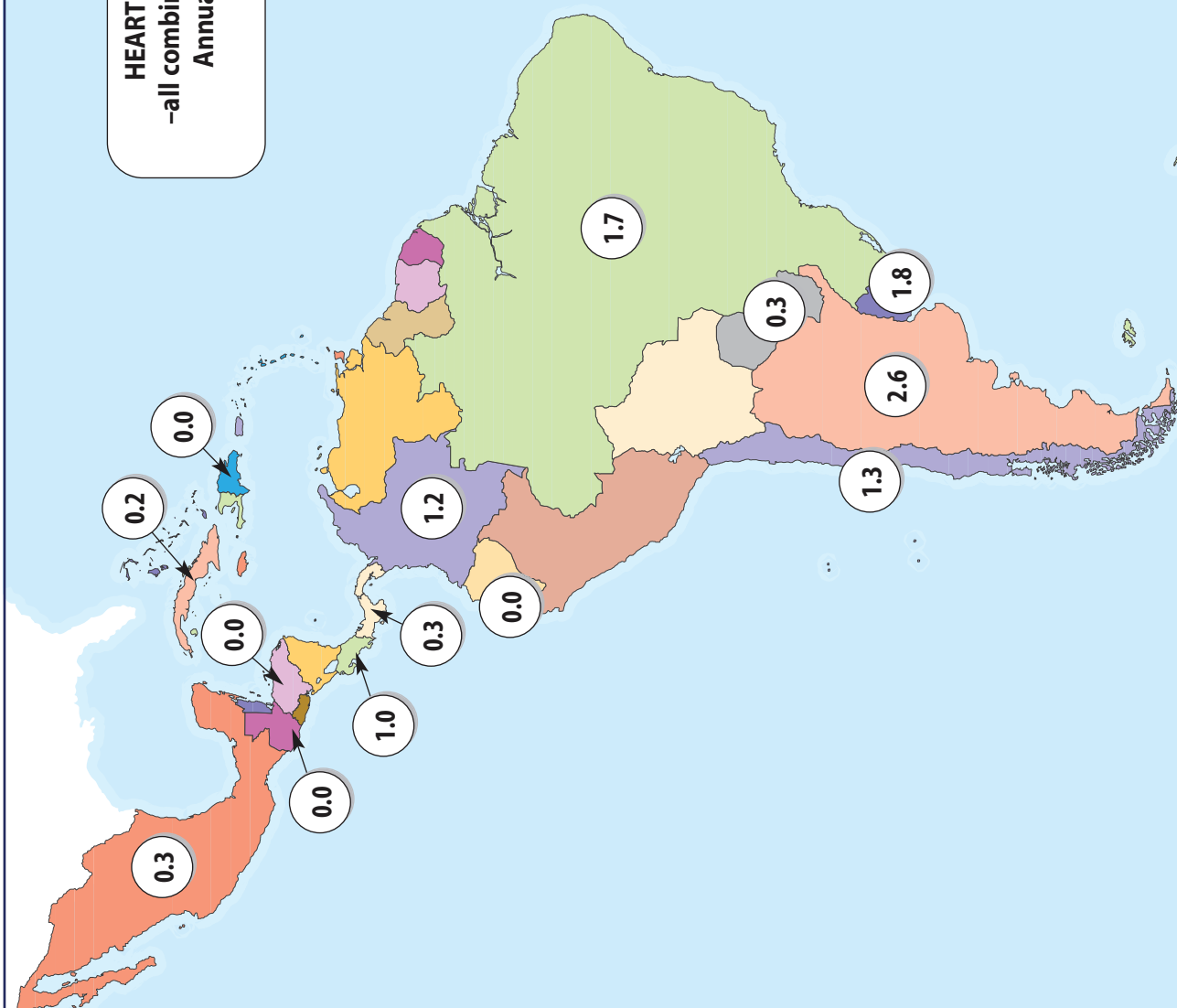
**KIDNEY TX. FROM
LIVING DONORS
Annual Rate p.m.p
2016**



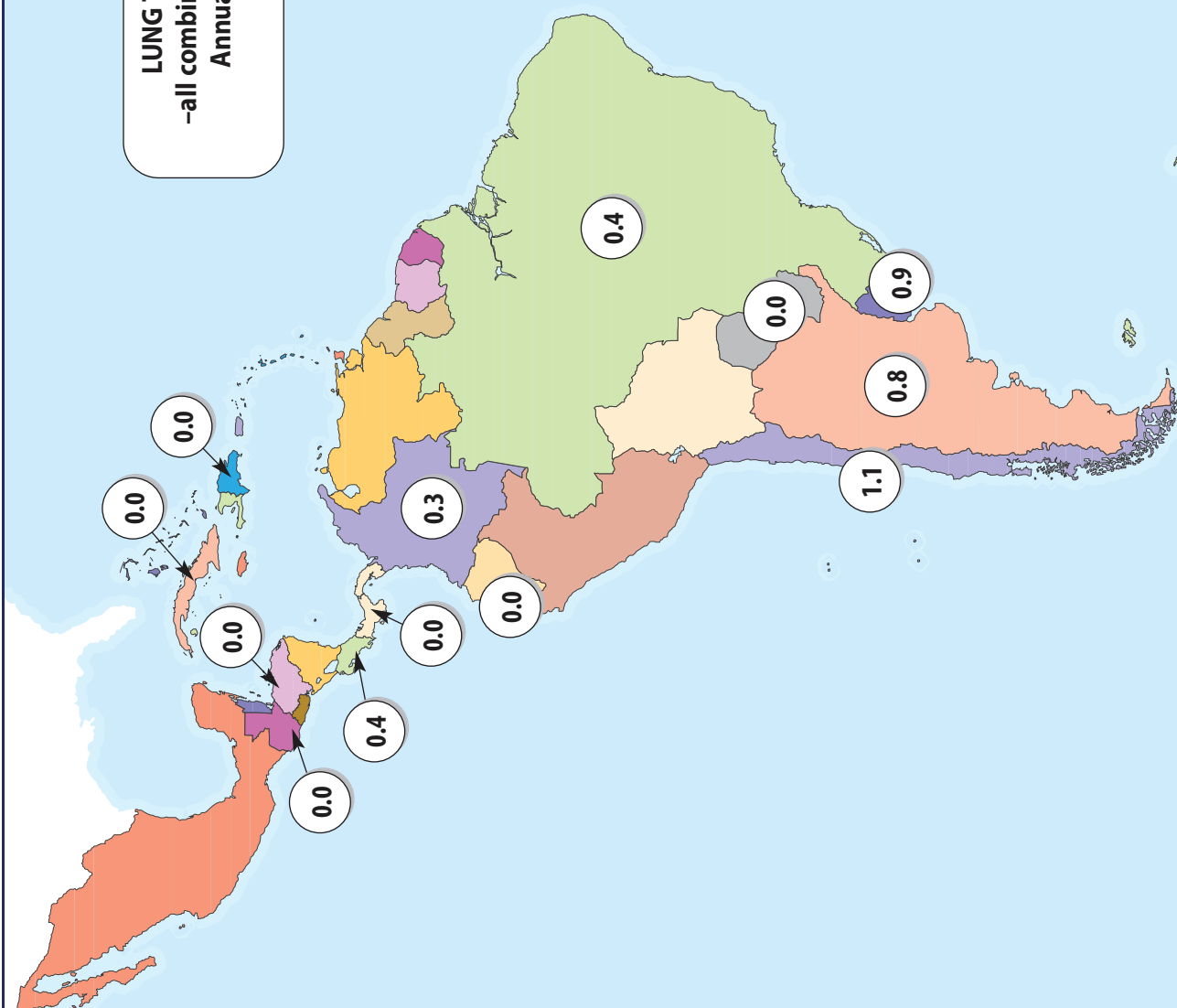
LIVER TRANSPLANT
 --all combinations included--
 Annual Rate p.m.p
 2016



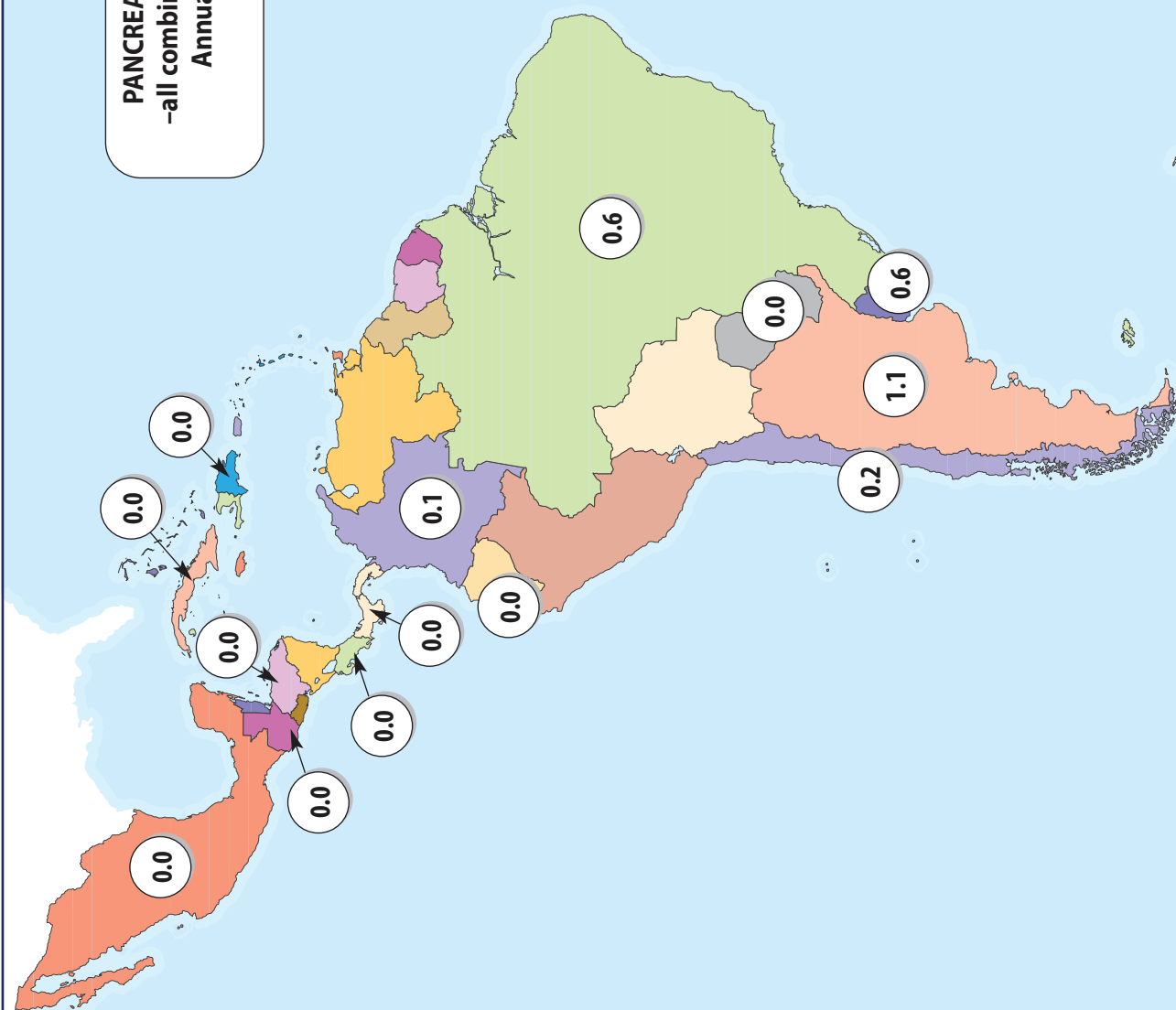
HEART TRANSPLANT
 -all combinations included-
 Annual Rate p.m.p
 2016



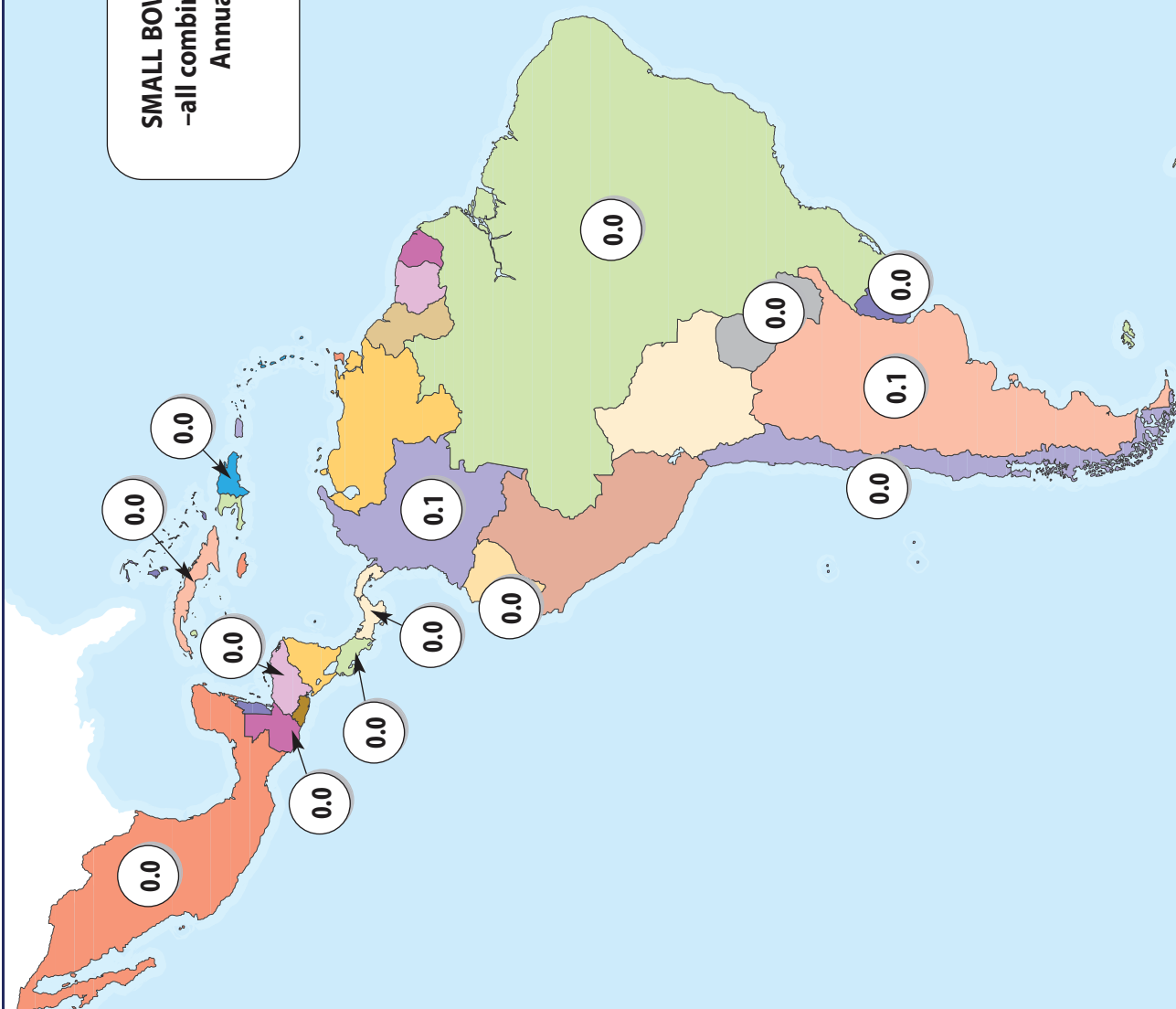
LUNG TRANSPLANT
--all combinations included--
Annual Rate p.m.p
2016



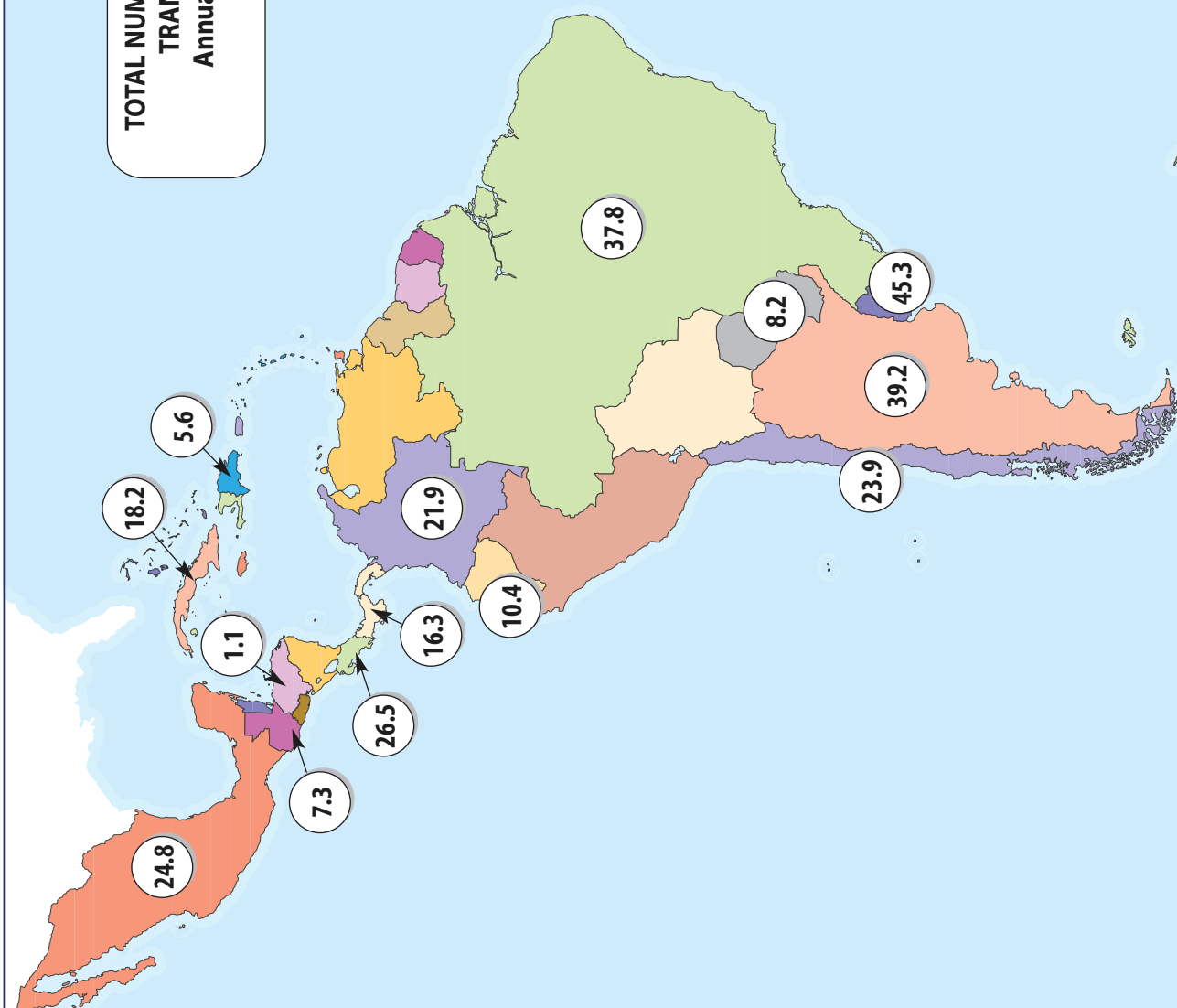
PANCREAS TRANSPLANT
-all combinations included-
Annual Rate p.m.p
2016



SMALL BOWEL TRANSPLANT
 --all combinations included--
 Annual Rate p.m.p
 2016



**TOTAL NUMBER OF PATIENTS
TRANSPLANTED
Annual Rate p.m.p
2016**



LATINAMERICAN COUNTRIES



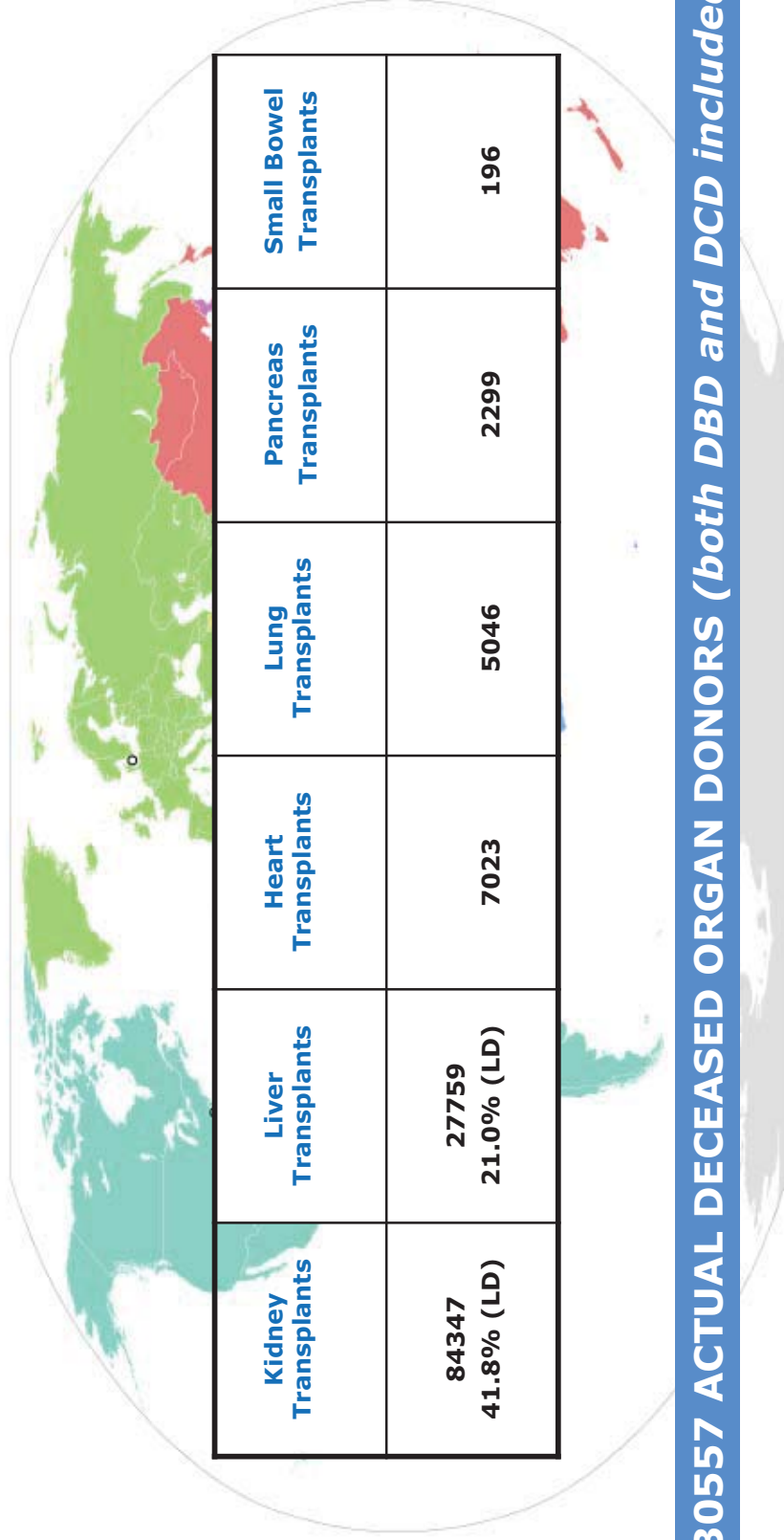
Kidney Transplants	Liver Transplants	Heart Transplants	Lung Transplants	Pancreas Transplants	Small Bowel Transplants	Organs Transplanted
11626 (36.3% LD)	2868 (9.1% LD)	603	167	196	8	15468

4820 ACTUAL DECEASED ORGAN DONORS (both DBD and DCD included)

2016 data

N= 14 COUNTRIES (531.1 million inhabitants)

GLOBAL ACTIVITY IN ORGAN TRANSPLANTATION 2015 ESTIMATES

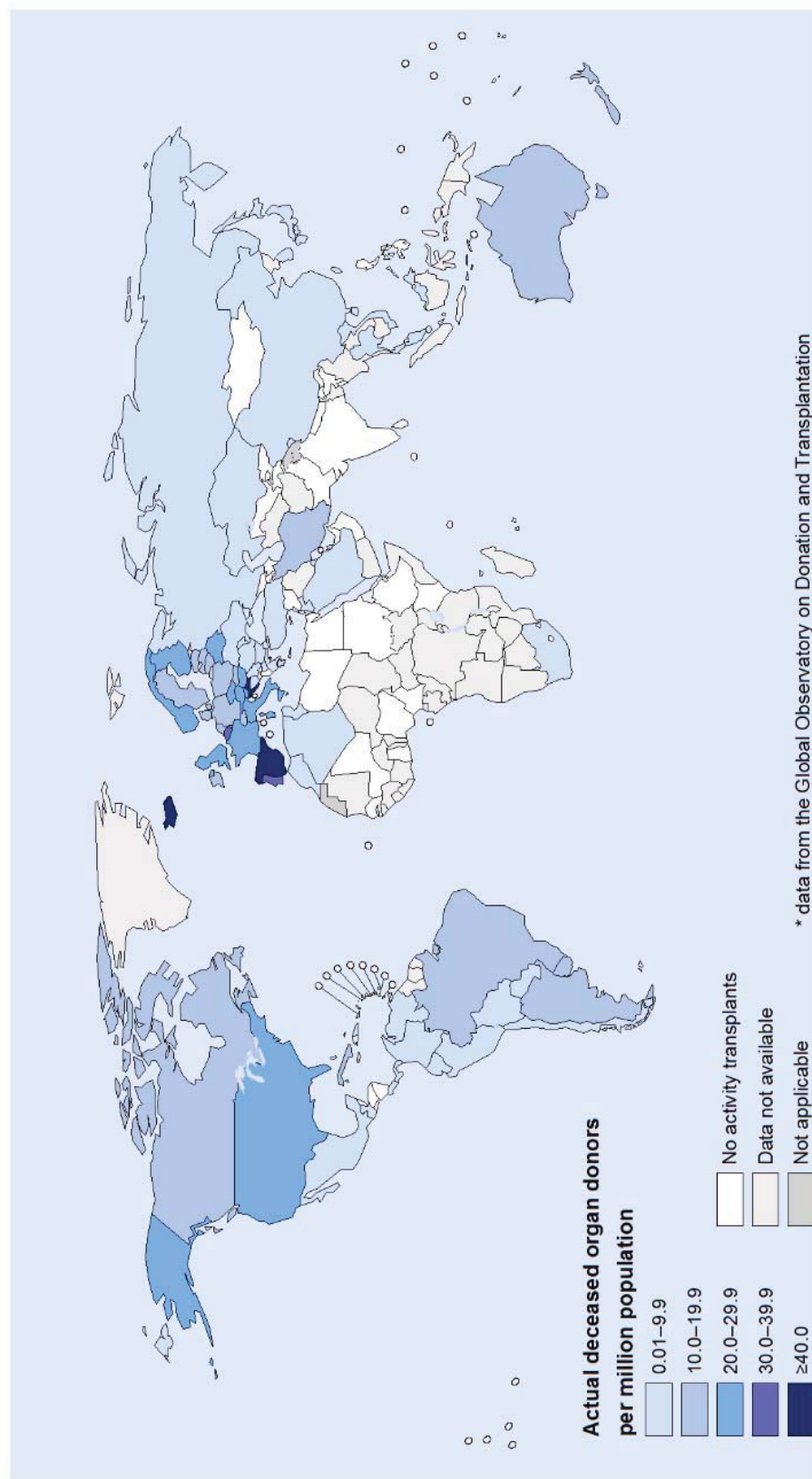


Kidney Transplants	Liver Transplants	Heart Transplants	Lung Transplants	Pancreas Transplants	Small Bowel Transplants
84347 41.8% (LD)	27759 21.0% (LD)	7023	5046	2299	196

30557 ACTUAL DECEASED ORGAN DONORS (both DBD and DCD included)

- Information of 111 Member States on organ transplantation activities is included in the GODT:
89 of 2015, 9 of 2014, 7 of 2013, 2 of 2012, 3 of 2011 and 1 of 2010.

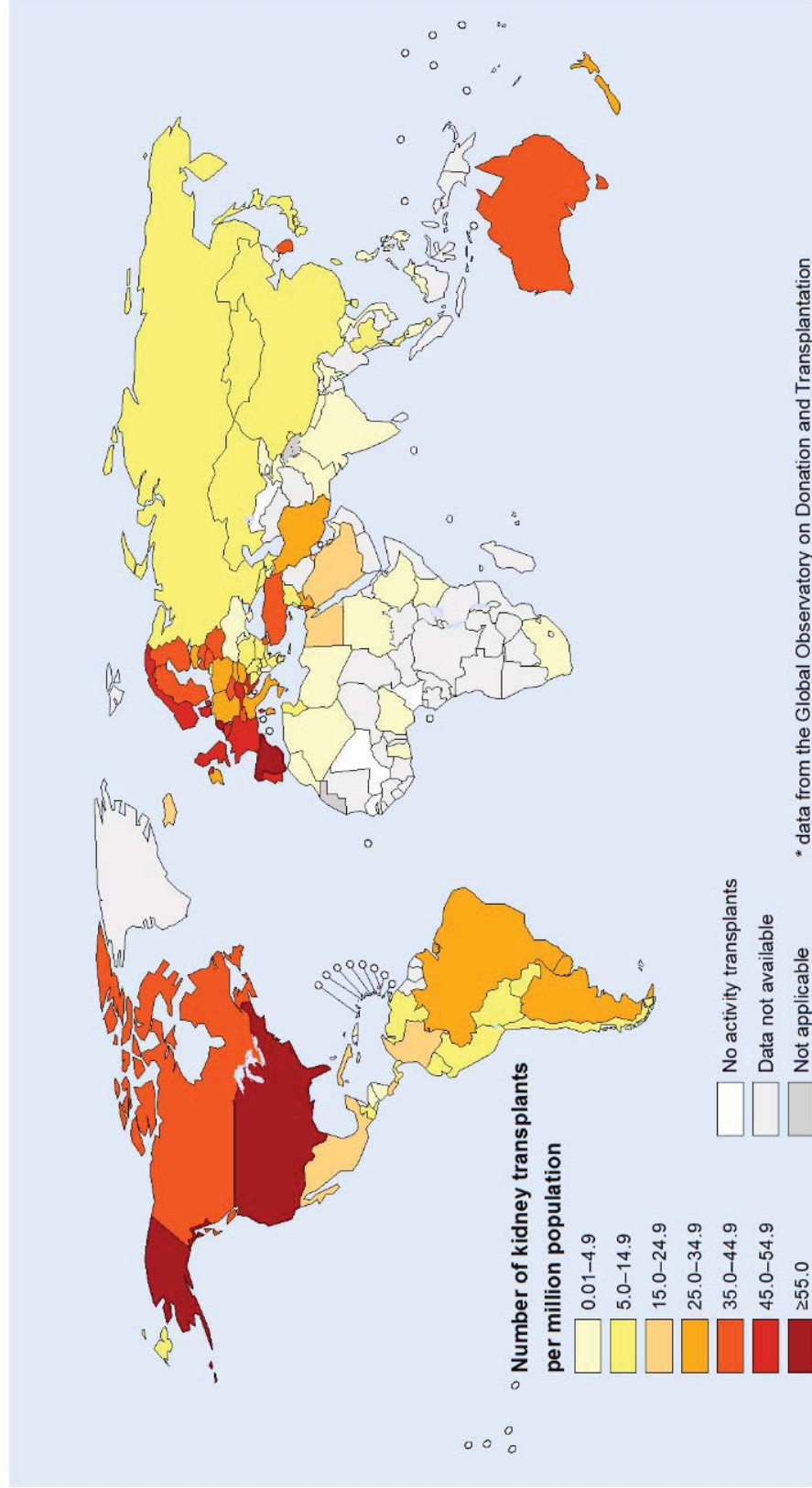
Actual donors from deceased persons, 2015*



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

Kidney transplantation activities, 2015*

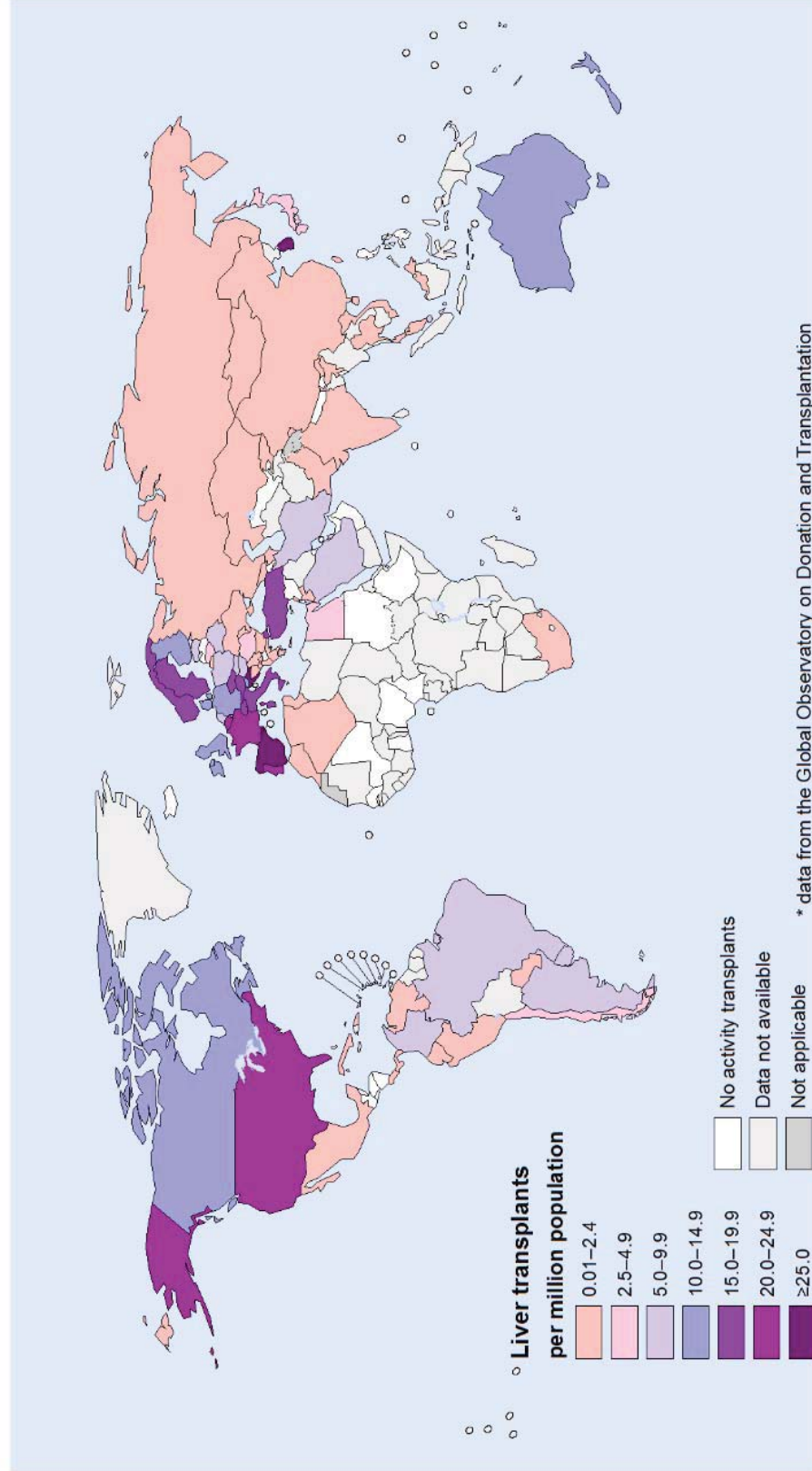


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Liver transplantation activities, 2015*

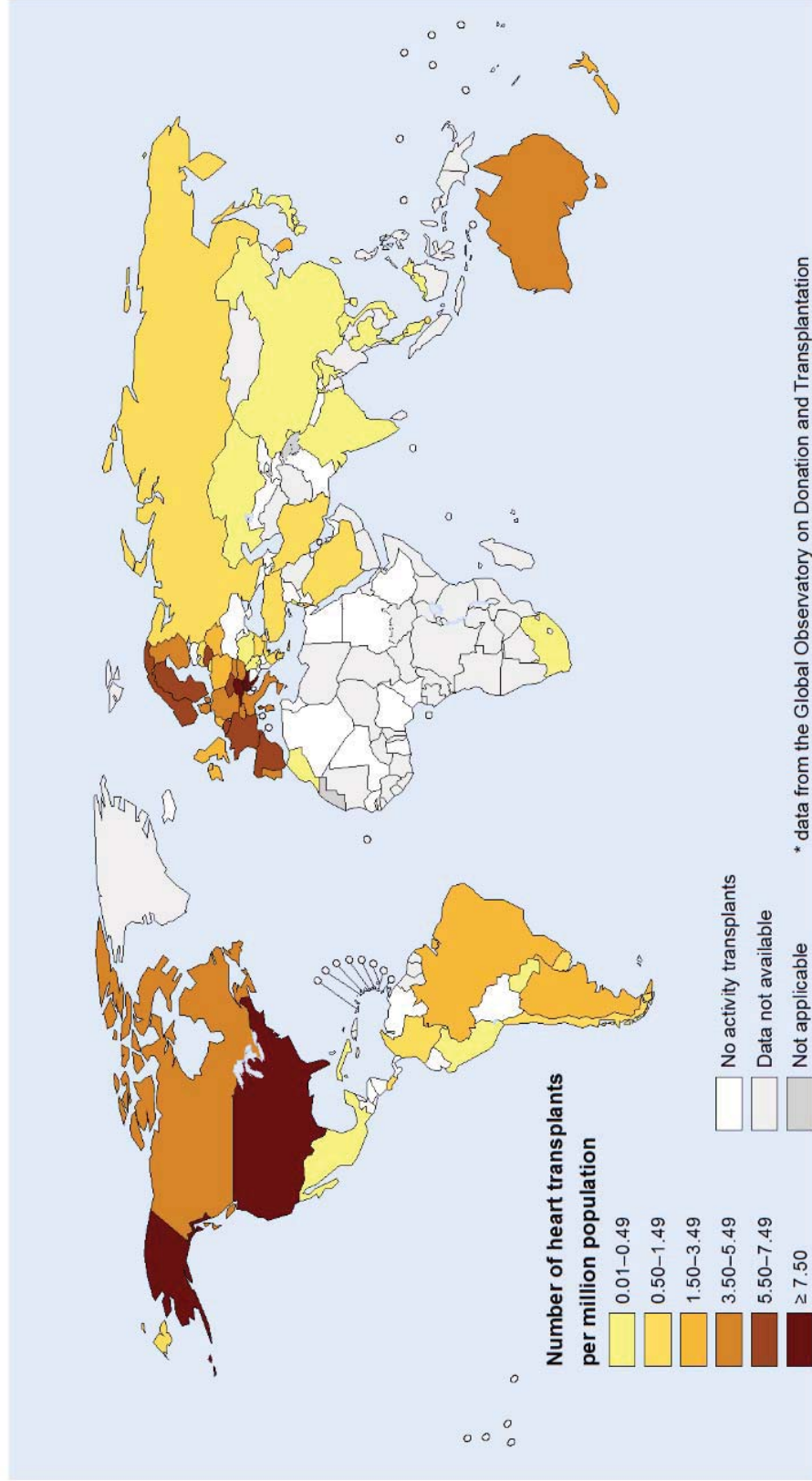


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Data Source: Global Observatory on Donation & Transplantation; Map Production: Information Evidence and Research (IER) World Health Organization

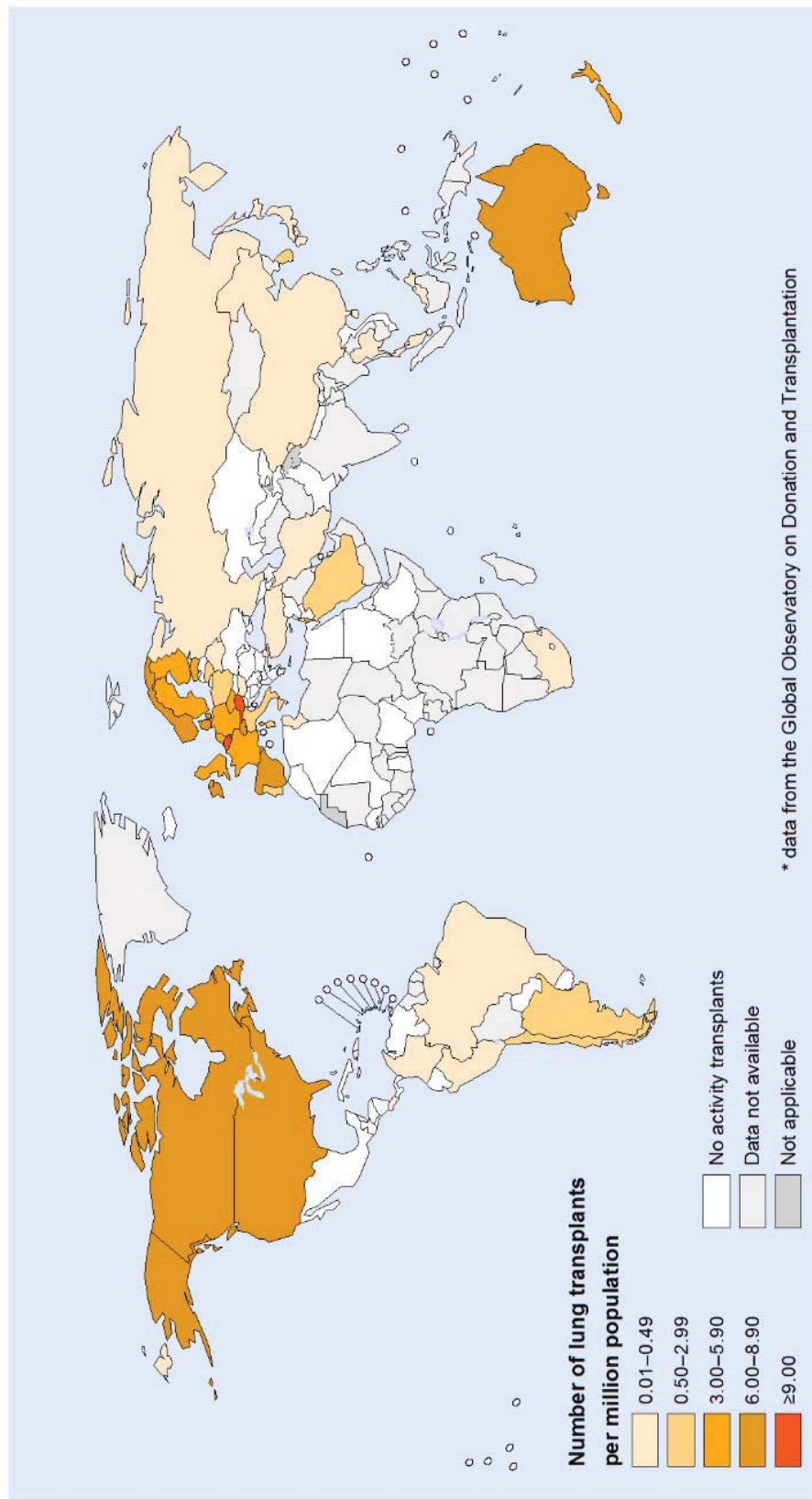
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Heart transplantation activities, 2015*



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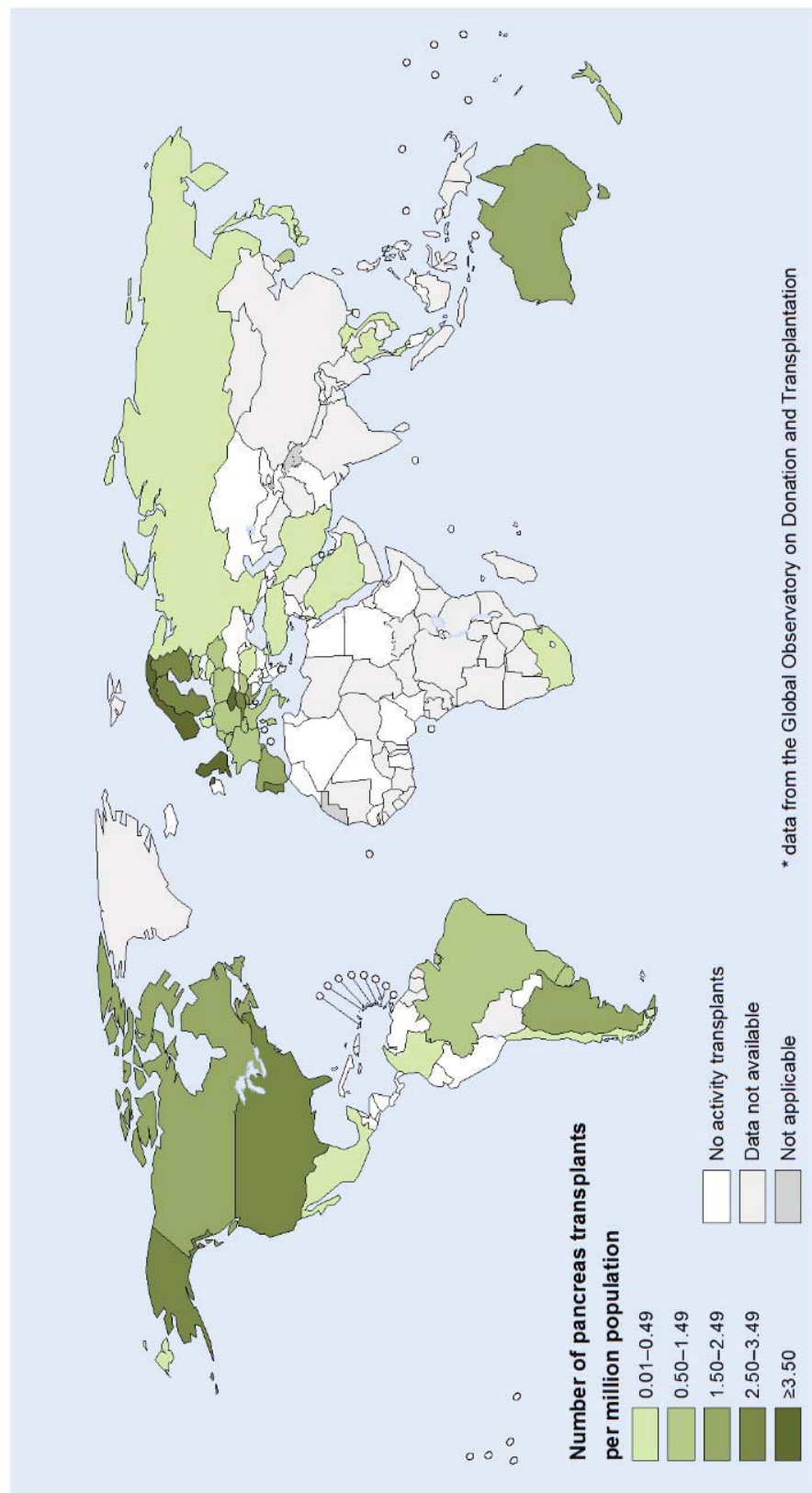
Lung transplantation activities, 2015*



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World Health Organization

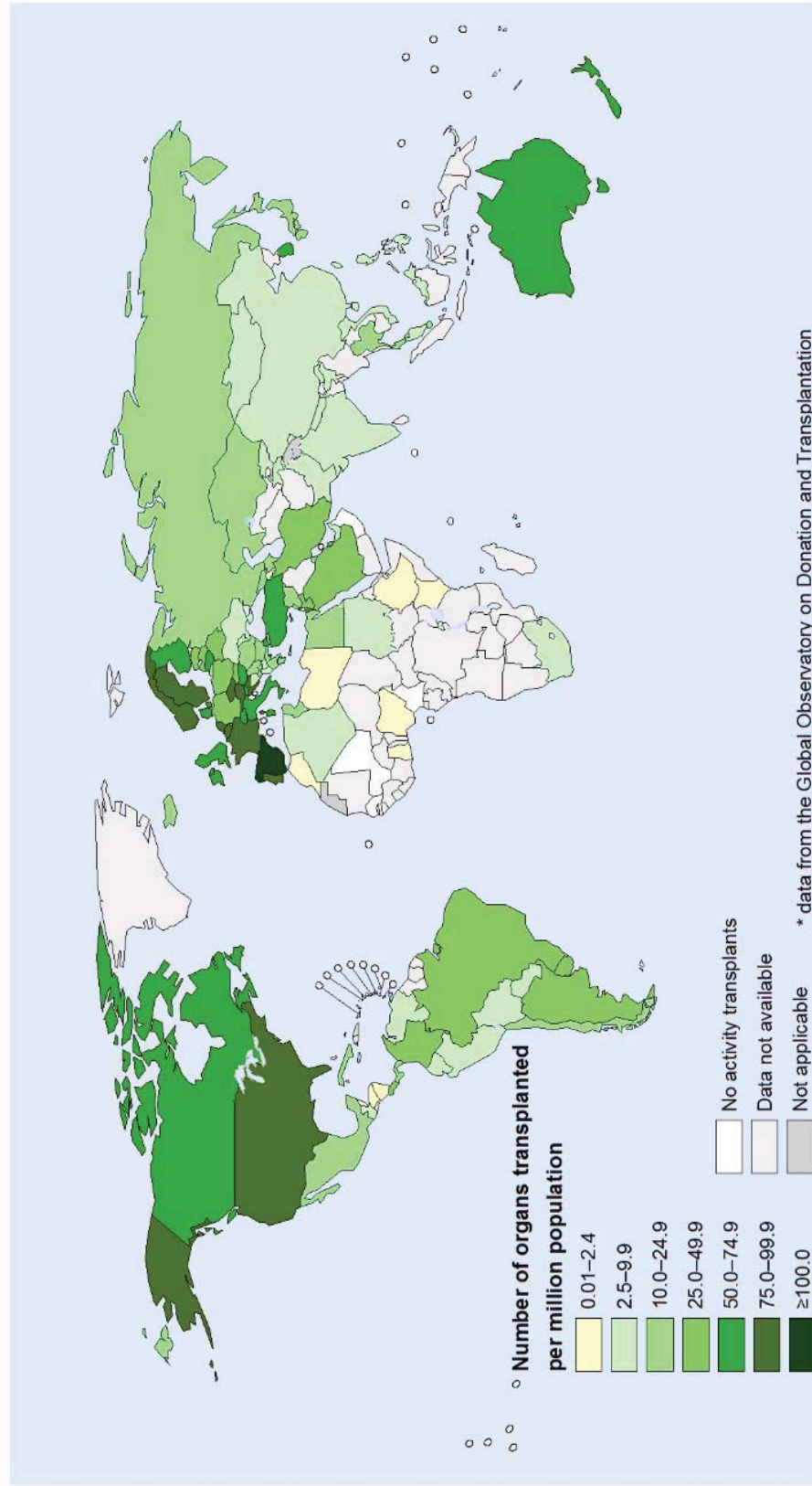
Pancreas transplantation activities, 2015*



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

Global transplantation activities of solid organs, 2015*



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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 List And Family Refusals. Year 2016



DONATION AND TRANSPLANTATION ACTIVITY

EUROPEAN UNION COUNTRIES

COUNTRIES	Austria	Belgium	Bulgaria	Croatia	Cyprus	Czech Republic	Denmark	Estonia	Finland	France										
Population (million inhabitants): UNFPA	8.6	11.4	7.1	4.2	1.2	10.5	5.7	1.3	5.5	64.7										
DONATION																				
	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP										
Actual deceased organ donors —both DBD and DCD included— Actual donors after circulatory death —DCD— Multiorgan donors	217 6 175	25.2 0.7 20.3	351 108 235	30.8 9.5 20.6	39 0 14	5.5 0.0 2.0	166 0 118	39.5 0.0 28.1	4 0 3	3.3 0.0 2.5	266 4 180	25.3 0.4 17.1	100 0 64	17.5 0.0 11.2	22 0 15	16.9 0.0 11.5	136 0 84	24.7 0.0 15.3	1859 89 1358	28.7 1.4 21.0
TRANSPLANTATION																				
	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP
KIDNEY Total TX. —all combinations included— % (TX. from living d. / Total TX.) Paediatric <15 years TX. from deceased donors —TX. from DCD —Single TX. —Double TX. TX. from living donors —TX. from Related living donors —TX. from Unrelated living donors	432 15.5 7 365 10 356 9 67 62 5	50.2 0.8 0.0 42.4 1.2 41.4 1.0 7.8 7.2 0.5	520 12.9 16 453 118 453 0 67 64 3	45.6 1.4 3.7 39.7 10.4 39.7 0.0 5.9 5.6 0.3	37 29.7 0 26 0 26 0 11 11 0	5.2 0.0 0.0 3.7 0.0 3.7 0.0 1.5 1.5 0.0	190 3.7 183 0 182 1 7 7 0	45.2 0.0 43.6 0.0 43.3 0.0 1.7 1.7 0.0	19 78.9 0 4 0 0 15 15 0	15.8 0.0 0.0 3.3 0.0 0.0 12.5 12.5 0.0	458 10.0 6 412 4 409 3 46 42 4	43.6 0.6 39.2 27.0 0.4 39.0 0.3 4.4 4.0 0.4	263 41.4 7 154 0 152 2 109 109 0	46.1 1.2 0.0 27.0 0.0 26.7 0.4 19.1 19.1 0.0	42 9.5 1 38 0 38 0 4 4 0	32.3 0.8 0.0 29.2 0.0 29.2 0.0 3.1 3.1 0.0	262 8.4 10 240 0 240 0 22 22 0	47.6 1.8 0.0 43.6 0.0 43.6 0.0 4.0 4.0 0.0	3615 15.9 86 3039 145 3005 34 576 572 4	55.9 1.3 0.0 47.0 2.2 46.4 0.5 8.9 8.8 0.1
LIVER Total TX. —all combinations included— Paediatric <15 years Split TX. Domino TX. TX. from living donors TX. from DCD	154 8 6 0 2 0	17.9 0.9 0.7 0.0 0.2 0.0	302 36 1 3 43 73	26.5 3.2 0.1 0.3 3.8 6.4	11 1 0 0 1 0	1.5 0.1 0.0 0.0 0.1 0.0	121 0 0 0 0 0	28.8 0.0 0.0 0.0 0.0 0.0	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	179 10 12 0 1 0	17.0 1.0 1.1 0.0 0.1 0.0	59 6 6 0 0 0	10.4 1.1 1.1 0.0 0.0 0.0	10 0 0 0 0 0	7.7 0.0 0.0 0.0 0.0 0.0	61 3 3 0 0 0	11.1 0.5 0.5 0.0 0.0 0.0	1322 71 93 5 5 23	20.4 1.1 1.4 0.1 0.1 0.4
HEART Total TX. —all combinations included— Paediatric <15 years	57 2	6.6 0.2	70 2	6.1 0.2	9 0	1.3 0.0	35 0	8.3 0.0	0 0	0.0 0.0	78 3	7.4 0.3	29 3	5.1 0.5	0 0	0.0 0.0	31 3	5.6 0.5	490 19	7.6 0.3
HEART-LUNG Total TX. Paediatric <15 years	0 0	0.0 0.0	2 0	0.2 0.0	0 0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	13 0	0.2 0.0
LUNG Total TX. —all combinations included— Paediatric <15 years —Single TX. —Double TX. (heart-lung TX. included) TX. from living donors TX. from DCD (double + single)	110 4 3 107 0 1	12.8 0.5 0.3 12.4 0.0 0.1	129 1 3 126 0 35	11.3 0.1 0.3 11.1 0.0 3.1	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	42 1 6 36 0 0	4.0 0.1 0.6 3.4 0.0 0.0	29 0 3 26 0 0	5.1 0.0 0.5 4.6 0.0 0.0	3 0 0 3 0 0	2.3 0.0 0.0 2.3 0.0 0.0	18 0 0 18 0 0	3.3 0.0 0.0 3.3 0.0 0.0	384 2 41 343 0 3	5.9 0.0 0.6 5.3 0.0 0.0
PANCREAS Total TX. —all combinations included— Paediatric <15 years Pancreas TX. Alone Kidney – Pancreas TX. TX. from DCD	26 0 2 24 0	3.0 0.0 0.2 2.8 0.0	11 0 0 11 0	1.0 0.0 0.0 1.0 0.0	0 0 0 0 0	0.0 0.0 0.0 0.0 0.0	7 0 0 7 0	1.7 0.0 0.0 1.7 0.0	0 0 0 0 0	0.0 0.0 0.0 0.0 0.0	41 0 9 32 0	3.9 0.0 0.9 3.0 0.0	7 0 0 7 0	1.2 0.0 0.0 1.2 0.0	2 0 0 2 0	1.5 0.0 0.0 1.5 0.0	27 0 1 26 0	4.9 0.0 0.2 4.7 0.0	90 15 15 74 0	1.4 0.2 0.2 1.1 0.0
SMALL BOWEL Total TX. —all combinations included— Paediatric <15 years Small bowel TX. Alone	1 0 1	0.1 0.0 0.1	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	3 0 0	0.3 0.0 0.0	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	3 1 0	0.0 0.0 0.0
RECIPIENTS Total number of patients transplanted Paediatric <15 years Patients transplanted from living donors	750 21 69	87.2 2.4 8.0	1032 55 110	90.5 4.8 9.6	57 1 12	8.0 0.1 1.7	346 7	82.4 1.7	19 0 15	15.8 0.0 12.5	801 20 47	76.3 1.9 4.5	377 16 109	66.1 2.8 19.1	55 1 4	42.3 0.8 3.1	370 16 22	67.3 2.9 4.0	5681 169 581	87.8 2.6 9.0

DONATION AND TRANSPLANTATION ACTIVITY

EUROPEAN UNION COUNTRIES

COUNTRIES	Germany 80.7	Greece 10.9	Hungary 9.8	Ireland 4.7	Italy 59.8	Latvia 2.0	Lithuania 2.9	Luxembourg 0.6	Malta 0.4									
Population (million inhabitants): UNFPA	DONATION																	
	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP
Actual deceased organ donors –both DBD and DCD included– Actual donors after circulatory death –DCD– Multiorgan donors	857 0 757	10.6 0.0 9.4	4.7 0.0 4.2	182 0 128	18.6 0.0 13.1	77 3 53	16.4 0.6 11.3	1478 20 914	24.7 0.3 15.3	30 11 4	15.0 5.5 2.0	63 2 32	21.7 0.7 11.0	3 0 3	5.2 0.0 5.2	10 0 10	25.0 0.0 25.0	
TRANSPLANTATION																		
KIDNEY Total TX. –all combinations included– % (TX. from living d. / Total TX.) Paediatric <15 years TX. from deceased donors –TX. from DCD –Single TX. –Double TX. TX. from living donors TX. from Related living donors –TX. from Unrelated living donors	2094 28.5 64 1497 0 1482 15 597 593 4	25.9 0.8 18.6 0.0 18.4 0.2 7.4 7.3 0.0	11.4 39.5 0.3 6.9 0.0 6.9 0.0 4.5 4.5 0.0	124 3 75 0 75 1 49 49 0	34.9 9.9 31.4 0.0 31.3 0.1 3.5 3.5 0.0	172 7 122 6 122 0 50 50 0	36.6 29.1 1.5 26.0 1.3 26.0 0.0 10.6 10.6 0.0	2076 13.5 59 1796 24 1668 128 280 278 2	34.7 1.0 30.0 0.4 27.9 2.1 4.7 4.6 0.0	59 0 49 11 49 0 10 10 0	29.5 0.0 24.5 5.5 24.5 0.0 5.0 5.0 0.0	111 3 105 3 105 0 6 6 0	38.3 5.4 1.0 36.2 1.0 36.2 0.0 2.1 2.1 0.0	0 0 0 0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	20 0 15 0 15 0 5 4 1	50.0 25.0 37.5 0.0 37.5 0.0 12.5 10.0 2.5	
LIVER Total TX. –all combinations included– Paediatric <15 years Split TX. Domino TX. TX. from living donors TX. from DCD	888 109 73 12 50 0	11.0 1.4 0.9 0.1 0.6 0.0	1.9 0.0 0.0 0.0 0.0 0.0	81 3 0 0 0 0	8.3 0.3 0.0 0.0 0.0 0.0	58 0 0 0 0 0	12.3 0.0 0.0 0.0 0.0 0.0	1221 78 98 1 7 10	20.4 1.3 1.6 0.0 0.1 0.2	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	23 0 0 0 0 0	7.9 0.0 0.0 0.0 0.0 0.0	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	
HEART Total TX. –all combinations included– Paediatric <15 years	297 33	3.7 0.4	0.6 0.0	6 0	5.9 0.2	15 0	3.2 0.0	266 26	4.4 0.4	3 1	1.5 0.5	15 2	5.2 0.7	0 0	0.0 0.0	1 0	2.5 0.0	
HEART-LUNG Total TX. Paediatric <15 years	7 1	0.1 0.0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	1 0	0.3 0.0	0 0	0.0 0.0	0 0	0.0 0.0	
LUNG Total TX. –all combinations included– Paediatric <15 years –Single TX. –Double TX. (heart–lung TX. included) TX. from living donors TX. from DCD (double + single)	328 7 38 290 0 0	4.1 0.1 0.5 3.6 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	17 0 1 16 0 0	1.7 0.0 0.1 1.6 0.0 0.0	35 0 20 15 0 0	7.4 0.0 4.3 3.2 0.0 0.0	147 5 19 128 0 0	2.5 0.1 0.3 2.1 0.0 0.0	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	3 0 0 3 0 0	1.0 0.0 0.0 1.0 0.0 0.0	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0	
PANCREAS Total TX. –all combinations included– Paediatric <15 years Pancreas TX. Alone Kidney – Pancreas TX. TX. from DCD	97 0 10 85 0	1.2 0.0 0.1 1.1 0.0	0.0 0.0 0.0 0.0 0.0	6 0 0 6 0	0.6 0.0 0.0 0.6 0.0	0 0 0 0 0	0.0 0.0 0.0 0.0 0.0	67 0 10 56 0	1.1 0.0 0.2 0.9 0.0	0 0 0 0 0	0.0 0.0 0.0 0.0 0.0	2 0 0 2 0	0.7 0.0 0.0 0.7 0.0	0 0 0 0 0	0.0 0.0 0.0 0.0 0.0	0 0 0 0 0	0.0 0.0 0.0 0.0 0.0	
SMALL BOWEL Total TX. –all combinations included– Paediatric <15 years Small bowel TX. Alone	4 2	0.0 0.0	0.0 0.0	0 0	0.0 0.0	0 0	0.0 0.0	2 1 1	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0	
RECIPIENTS Total number of patients transplanted Paediatric <15 years Patients transplanted from living donors	3586 647	44.4 8.0	13.9 0.3 4.5	151 3 49	50.2 1.5 3.5	280 7 50	59.6 1.5 10.6	3698 167 287	61.8 2.8 4.8	62 1 10	31.0 0.5 5.0	151 5 6	52.1 1.7 2.1	0 0 0	0.0 0.0 0.0	21 0 5	52.5 0.0 12.5	

DONATION AND TRANSPLANTATION ACTIVITY

EUROPEAN UNION COUNTRIES

COUNTRIES	Netherlands	Poland	Portugal	Romania	Slovakia	Slovenia	Spain	Sweden	United Kingdom
Population (million inhabitants): UNFPA	17.0	38.6	10.3	19.4	5.4	2.1	46.1	9.9	65.1
Actual deceased organ donors –both DBD and DCD included– Actual donors after circulatory death –DCD– Multiorgan donors									
	Number	Number	Number	Number	Number	Number	Number	Number	Number
	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP
TRANSPLANTATION									
KIDNEY Total TX. –all combinations included– % (TX. from living d. / Total TX.) Paediatric <15 years TX. from deceased donors –TX. from DCD –Single TX. –Double TX. TX. from living donors –TX. from Related living donors –TX. from Unrelated living donors	991	1108	499	265	143	46	2997	425	3328
	58.3	28.7	48.4	13.7	26.5	21.9	65.0	42.9	51.1
	57.0	4.5	13.0	100.0	13.3	4.3	11.4	31.8	30.6
	20	37	13	2	2	1	53	13	109
	1.2	1.0	1.3	0.1	0.4	0.5	1.1	1.3	1.7
	426	1058	434	224	124	44	2654	290	2310
	25.1	27.4	42.1	11.5	23.0	21.0	57.6	29.3	35.5
	210	12	12	0	0	0	677	0	954
	1.2	0.3	1.2	0.0	0.0	0.0	14.7	0.0	14.7
	425	1057	407	224	123	44	2642	287	2256
LIVER Total TX. –all combinations included– Paediatric <15 years Split TX. Domino TX. TX. from living donors TX. from DCD	159	345	272	97	37	27	1159	199	956
	9.4	8.9	26.4	5.0	6.9	12.9	25.1	20.1	14.7
	1.5	1.0	1.0	0.0	0.0	0.0	1.3	1.8	1.5
	26	39	10	0	0	0	59	18	99
	0.1	0	5	0	0	0	2	0	1.6
	0	0	15	0	0	0	5	0	3
	0.0	0.0	1.5	0.0	0.0	0.0	0.1	0.0	0.0
	12	28	0	5	0	0	28	2	32
	0.7	0	0.0	0.3	0.0	0.0	0.6	0.2	0.5
	44	0	0	0	0	0	134	0	213
HEART Total TX. –all combinations included– Paediatric <15 years HEART-LUNG Total TX. Paediatric <15 years	35	101	42	11	20	31	281	64	209
	2.1	2.6	4.1	0.6	3.7	14.8	6.1	6.5	3.2
	0.1	0.2	0.0	0.1	0.0	0.0	0.4	0.7	0.5
	0	6	0	1	0	0	20	7	34
	0	0	0	0	0	0	4	0	2
	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
LUNG Total TX. –all combinations included– Paediatric <15 years –Single TX. –Double TX. (heart-lung TX. included) TX. from living donors TX. from DCD (double + single)	73	35	26	0	0	0	307	62	168
	4.3	0.9	2.5	0	0	0	6.7	6.3	2.6
	0	0	0	0	0	0	0.2	0.1	0.1
	0	0	0	0	0	0	0	0	0
	9	15	7	0	0	0	109	8	21
	0.5	0.4	0.7	0	0	0	2.4	0.8	0.3
	64	20	19	0	0	0	198	54	147
	3.8	0.5	1.8	0	0	0	4.3	5.5	2.3
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
PANCREAS Total TX. –all combinations included– Paediatric <15 years Pancreas TX. Alone Kidney – Pancreas TX. TX. from DCD	31	0	0	0	0	0	33	0	22
	1.8	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.3
	25	38	25	1	0	5	73	24	177
	1.5	1.0	2.4	0.1	0.0	2.4	1.6	2.4	2.7
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	5	7	1	0	0	0	3	1	3
	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
	19	31	24	1	0	5	63	16	147
	0.8	0.8	2.3	0.1	0.0	2.4	1.4	1.6	2.3
SMALL BOWEL Total TX. –all combinations included– Paediatric <15 years Small bowel TX. Alone RECIPIENTS Total number of patients transplanted Paediatric <15 years Patients transplanted from living donors	1	0	0	0	0	0	4	2	15
	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0

DONATION AND TRANSPLANTATION ACTIVITY

OTHER COUNTRIES

COUNTRIES	Armenia	Australia	Belarus	Bosnia and Herzegovina	Canada	Georgia	Iceland	Israel	Kuwait	Malaysia	Montenegro	
Population (million inhabitants): UNFPA	3.0	24.3	9.5	3.8	36.3	4.0	0.3	8.2	4.0	30.8	0.6	
DONATION												
	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	PMP	
Actual deceased organ donors	0	0.0	222	23.4	5	1.3	731	20.1	0	0.0	0	0.0
–both DBD and DCD included–	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Actual donors after circulatory death –DCD–	0	0.0	154	16.2	5	1.3			1	0.3	0	0.0
Multioorgan donors	0	0.0										
TRANSPLANTATION												
	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	PMP	
KIDNEY												
Total TX. –all combinations included–	7	2.3	384	40.4	18	4.7	1730	47.7	352	42.9	2	3.3
% (TX. from living d. / Total TX.)	100.0		4.7		44.4		27.2		61.0	81.3	0.0	
Paediatric <15 years	0	0.0	16	1.7	0	0.0			2	0.5	0	0.0
TX. from deceased donors	0	0.0	366	38.5	10	2.6	1259	34.7	30	7.5	9	0.3
–TX. from DCD	0	0.0	0	0.0	0	0.0			0	0.0	0	0.0
–Single TX.	0	0.0	366	38.5	0	0.0			30	7.5	9	0.3
–Double TX.	0	0.0	0	0.0	0	0.0			0	0.0	0	0.0
TX. from living donors	7	2.3	265	10.9	8	2.1	471	13.0	47	11.8	2	3.3
–TX. from Related living donors	7	2.3	219	9.0	18	1.9			39	11.3	2	3.3
–TX. from Unrelated living donors	0	0.0	46	1.9	0	0.0			0	0.0	0	0.0
LIVER												
Total TX. –all combinations included–	0	0.0	314	12.9	3	0.8	580	16.0	84	10.2	1	0.0
Paediatric <15 years	0	0.0	56	2.3	0	0.0			15	1.8	0	0.0
Split TX.	0	0.0	65	2.7	0	0.0			0	0.0	0	0.0
Domino TX.	0	0.0	0	0.0	0	0.0			0	0.0	0	0.0
TX. from living donors	0	0.0	2	0.1	0	0.0	73	2.0	8	1.0	0	0.0
TX. from DCD	0	0.0	15	0.6	0	0.0			0	0.0	0	0.0
HEART												
Total TX. –all combinations included–	0	0.0	44	4.6	0	0.0	204	5.6	22	2.7	0	0.0
Paediatric <15 years	0	0.0	0	0.0	0	0.0			3	0.4	0	0.0
HEART–LUNG												
Total TX.	0	0.0	7	0.3	1	0.1	5	0.1	1	0.1	0	0.0
Paediatric <15 years	0	0.0	0	0.0	0	0.0			0	0.0	0	0.0
LUNG												
Total TX. –all combinations included–	0	0.0	199	8.2	0	0.0	302	8.3	50	6.1	0	0.0
Paediatric <15 years	0	0.0	16	0.7	0	0.0			0	0.0	0	0.0
–Single TX.	0	0.0	6	0.2	0	0.0			23	2.8	0	0.0
–Double TX. (heart–lung TX. included)	0	0.0	193	7.9	2	0.2			27	3.3	0	0.0
TX. from living donors	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TX. from DCD (double + single)	0	0.0	44	1.8	0	0.0			0	0.0	0	0.0
PANCREAS												
Total TX. –all combinations included–	0	0.0	51	2.1	0	0.0	95	2.6	12	1.5	1	0.3
Paediatric <15 years	0	0.0	0	0.0	0	0.0			0	0.0	0	0.0
Pancreas TX. Alone	0	0.0	5	0.2	0	0.0	34	0.9	2	0.2	0	0.0
Kidney – Pancreas TX.	0	0.0	46	1.9	0	0.0	61	1.7	10	1.2	1	0.3
TX. from DCD	0	0.0	0	0.0	0	0.0			0	0.0	0	0.0
SMALL BOWEL												
Total TX. –all combinations included–	0	0.0	1	0.0	0	0.0	5	0.1	0	0.0	0	0.0
Paediatric <15 years	0	0.0	0	0.0	0	0.0			0	0.0	0	0.0
Small bowel TX. Alone	0	0.0	0	0.0	0	0.0			0	0.0	0	0.0
RECIPIENTS												
Total number of patients transplanted	7	2.3	1716	70.6	21	5.5	2897	79.8	77	19.3	49	1.6
Paediatric <15 years	0	0.0	107	4.4	0	0.0	37	4.5	2	0.5	0	0.0
Patients transplanted from living donors	7	2.3	268	11.03	8	2.1	544	15.0	47	11.8	39	1.3

DONATION AND TRANSPLANTATION ACTIVITY

COUNTRIES		OTHER COUNTRIES													
		New Zealand	Norway	Republic of Moldova	Russian Federation	Saudi Arabia	Sudan	Switzerland	Syrian Arab Republic	The former Yugoslav Rep. of Macedonia	Turkey	United States of America			
Population (million inhabitants): UNEPA		4.6	5.3	4.1	143.4	32.2	41.2	8.4	18.6	2.1	79.6	324.1			
DONATION															
		Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP	Number	PMP		
Actual deceased organ donors –both DBD and DCD included– Actual donors after circulatory death –DCD– Multiorgan donors		61	13.3	13	3.2	92	2.9	0	0.0	0	0.0	562	7.1		
		6	1.3	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0		
		46	10.0	6	1.5	312	2.2	59	1.8	0	0.0	449	5.6		
TRANSPLANTATION															
KIDNEY Total TX. –all combinations included– % (TX. from living d. / Total TX.) Paediatric <15 years TX. from deceased donors –TX. from DCD –Single TX. –Double TX. TX. from living donors TX. from Related living donors –TX. from Unrelated living donors		172	37.4	22	5.4	796	24.7	224	5.4	6	2.9	3423	43.0	19858	61.3
		47.7		36.4		84.5		100.0		100.0		77.1		283	
		6	1.3	0	0.0	81	0.6	15	0.4	0	0.0	172	2.2	489	1.5
		90	19.6	14	3.4	852	5.9	0	0.0	0	0.0	784	9.8	14229	43.9
		10	2.2	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2559	7.9
LIVER Total TX. –all combinations included– Paediatric <15 years Split TX. Domino TX. TX. from living donors TX. from DCD		85	18.5	13	3.2	121	3.8	0	0.0	0	0.0	780	9.8	13951	43.0
		5	1.1	1	0.2	2	0.1	0	0.0	0	0.0	4	0.1	278	0.9
		82	17.8	8	2.0	673	20.9	224	5.4	6	2.9	2639	33.2	5629	17.4
		76	16.5	7	1.7	584	18.1	221	5.4	6	2.9	2358	29.6	4555	14.1
		6	1.3	1	0.2	89	2.8	3	0.1	0	0.0	281	3.5	1074	3.3
HEART Total TX. –all combinations included– Paediatric <15 years		59	12.8	9	2.2	215	6.7	0	0.0	0	0.0	1396	17.5	7841	24.2
		11	2.4	0	0.0	8	0.2	0	0.0	0	0.0	215	2.7	515	1.6
		3	0.7	0	0.0	12	0.4	0	0.0	0	0.0	6	0.1	186	0.6
HEART-LUNG Total TX. Paediatric <15 years		1	0.2	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	9	0.0
		3	0.7	0	0.0	145	4.5	0	0.0	0	0.0	1004	12.6	345	1.1
		2	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	447	1.4
LUNG Total TX. –all combinations included– Paediatric <15 years Single TX. –Double TX. (heart–lung TX. included) TX. from living donors TX. from DCD (double + single)		11	2.4	0	0.0	29	0.9	0	0.0	0	0.0	69	0.9	3209	9.9
		0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	10	0.1	376	1.2
		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	18	0.1
PANCREAS Total TX. –all combinations included– Paediatric <15 years Pancreas TX. Alone Kidney – Pancreas TX. TX. from DCD		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		17	3.7	0	0.0	16	0.1	0	0.0	0	0.0	22	0.3	2345	7.2
		0	0.0	0	0.0	2	0.0	0	0.0	0	0.0	0	0.0	24	0.1
SMALL BOWEL Total TX. –all combinations included– Paediatric <15 years Pancreas TX. Alone Kidney – Pancreas TX. TX. from DCD		0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	588	1.8
		17	3.7	0	0.0	15	0.5	0	0.0	0	0.0	0	0.0	1757	5.4
		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
RECIPIENTS Total number of patients transplanted Paediatric <15 years Patients transplanted from living donors		4	0.9	0	0.0	11	0.3	0	0.0	0	0.0	6	0.1	1013	3.1
		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	0.1
		0	0.0	0	0.0	6	0.2	0	0.0	0	0.0	5	0.1	215	0.7
SMALL BOWEL Total TX. –all combinations included– Paediatric <15 years Small bowel TX. Alone		4	0.9	0	0.0	4	0.1	0	0.0	0	0.0	1	0.0	798	2.5
		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	21	0.1
		0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	5	0.1	147	0.5
RECIPIENTS Total number of patients transplanted Paediatric <15 years Patients transplanted from living donors		0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	5	0.1	55	0.2
		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	67	0.2
		0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	5	0.1	67	0.2
RECIPIENTS Total number of patients transplanted Paediatric <15 years Patients transplanted from living donors		255	55.4	31	7.6	1061	33.0	224	5.4	6	2.9	4895	61.5	32356	99.8
		17	3.7	0	0.0	181	1.3	15	0.4	0	0.0	388	4.9	1393	4.3
		85	18.5	9	2.2	381	2.7	224	5.4	6	2.9	3630	45.6	5969	18.4

DONATION AND TRANSPLANTATION ACTIVITY

LATINAMERICAN COUNTRIES

COUNTRIES Population (million inhabitants): UNFPA	Ecuador 16.4	Guatemala 16.7	Honduras 8.2	Mexico 128.6	Panama 4.0	Paraguay 6.7	Uruguay 3.4
DONATION							
Actual deceased organ donors —both DBD and DCD included—	Number	Number	Number	Number	Number	Number	Number
Actual donors after circulatory death —DCD— Multiorgan donors	PMP	PMP	PMP	PMP	PMP	PMP	PMP
	83	8	0	470	29	11	57
	0	0	0	0	0	0	0
	31	0	0	452	10	6	22
	5.1	0.5	0.0	3.7	7.3	1.6	16.8
	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.9	0.0	0.0	3.5	2.5	0.9	6.5
TRANSPLANTATION							
KIDNEY							
Total TX. —all combinations included— % (TX. from living d. / Total TX.)	139	122	9	2971	53	47	118
Paediatric <15 years	4.3	7.3	1.1	23.1	13.3	7.0	34.7
TX. from deceased donors	4	87.7	100.0	71.4	11.3	53.2	11.9
—TX. from DCD	133	14	5	150	0	3	0
—Single TX.	0	15	0	851	47	22	104
—Double TX.	0	0	0	0	0	0	0
TX. from living donors	6	0	0	844	0	22	104
—TX. from Related living donors	6	107	0	7	0	0	0
—TX. from Unrelated living donors	6	94	9	2120	6	25	14
	0	13	0	1795	6	25	14
	0.0	0.8	0.0	14.0	1.5	3.7	4.1
	0.0	0.0	0.0	2.5	0.0	0.0	0.0
LIVER							
Total TX. —all combinations included—	31	0	0	178	11	6	25
Paediatric <15 years	0	0	0	20	0	0	6
Split TX.	0	0	0	0	0	0	0
Domino TX.	0	0	0	0	0	0	0
TX. from living donors	0	0	0	3	0	0	2
TX. from DCD	0	0	0	0	0	0	0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HEART							
Total TX. —all combinations included—	0	0	0	34	1	2	6
Paediatric <15 years	0	0	0	1	0	0	1
	0.0	0.0	0.0	0.0	0.0	0.3	1.8
HEART-LUNG							
Total TX.	0	0	0	0	0	0	0
Paediatric <15 years	0	0	0	0	0	0	0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LUNG							
Total TX. —all combinations included—	0	0	0	1	0	0	3
Paediatric <15 years	0	0	0	0	0	0	0
—Single TX.	0	0	0	1	0	0	0
—Double TX. (heart-lung TX. included)	0	0	0	0	0	0	0
TX. from living donors	0	0	0	0	0	0	0
TX. from DCD (double + single)	0	0	0	0	0	0	0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PANCREAS							
Total TX. —all combinations included—	0	0	0	3	0	0	2
Paediatric <15 years	0	0	0	0	0	0	0
Pancreas TX. Alone	0	0	0	3	0	0	0
Kidney — Pancreas TX.	0	0	0	0	0	0	2
TX. from DCD	0	0	0	0	0	0	0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SMALL BOWEL							
Total TX. —all combinations included—	0	0	0	0	0	0	0
Paediatric <15 years	0	0	0	0	0	0	0
Small bowel TX. Alone	0	0	0	0	0	0	0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RECIPIENTS							
Total number of patients transplanted	170	122	9	3186	65	55	154
Paediatric <15 years	4	14	5	171	0	3	7
Patients transplanted from living donors	6	107	9	2123	6	25	16
	10.4	7.3	1.1	24.8	16.3	8.2	45.3
	0.2	0.8	0.6	1.3	0.0	0.4	2.1
	0.4	6.4	1.1	16.5	1.5	3.7	4.7

WAITING LIST											
EUROPEAN UNION COUNTRIES											
COUNTRIES	Austria	Belgium	Bulgaria	Croatia	Cyprus	Czech Republic	Denmark	Estonia	Finland	France	
Population (million inhabitants): UNFPA	8.6	11.4	7.1	4.2	1.2	10.5	5.7	1.3	5.5	64.7	
KIDNEY											
N° TX CENTRES	4	7	4	4	1	7	3	1	1	44	
Patients included on the WL for the first time in the course of 2016	465	498	190	260	12	492	348	60	319	5181	
Total number of patients ever active on the WL during 2016	1090	579	1151	371	68	504	710	112	639	17698	
Patients awaiting for a transplant (only active candidates) on 31/12/2016	587	797	1019	171	52		402	50	310	7669	
Patients who died while on the WL during 2016	25	34	91	4	5	40	21	5	4	297	
Patients on dialyses on 31/12/2016	4451		973	2550	600			347			
LIVER											
N° TX CENTRES	3	6	3	2	0	2	1	1	1	21	
Patients included on the WL for the first time in the course of 2016	171	345	31	162	0	208	65	12	67	1824	
Total number of patients ever active on the WL during 2016	235	376	75	224	0	61	88	15	71	3089	
Patients awaiting for a transplant (only active candidates) on 31/12/2016	50	174	55	61	0	79	22	2	6	702	
Patients who died while on the WL during 2016	14	45	8	24	0	9	1	2	2	162	
HEART											
N° TX CENTRES	3	7	2	2	0	2	2	0	1	24	
Patients included on the WL for the first time in the course of 2016	79	105	19	59	0	122	31	0	38	573	
Total number of patients ever active on the WL during 2016	131	223	45	83	0	77	47	0	74	951	
Patients awaiting for a transplant (only active candidates) on 31/12/2016	55	117	21	34	0	68	16	0	32	237	
Patients who died while on the WL during 2016	8	20	14	9	0	12	2	0	3	79	
LUNG											
N° TX CENTRES	2	5		0	0	1	1	1	1	12	
Patients included on the WL for the first time in the course of 2016	161	162	6	0	0	62	41	7	41	359	
Total number of patients ever active on the WL during 2016	235	171	14	0	0	49	63	14	51	519	
Patients awaiting for a transplant (only active candidates) on 31/12/2016	90	122	6	0	0	50	28	7	30	94	
Patients who died while on the WL during 2016	15	7	5	0	0	21	5	3	0	11	
PANCREAS											
N° TX CENTRES	3	6		1	1	1	1	1	1	10	
Patients included on the WL for the first time in the course of 2016	20	29	2	13	0	50	4	4	22	116	
Total number of patients ever active on the WL during 2016	34	97	10	23	3	14	18	7	33	337	
Patients awaiting for a transplant (only active candidates) on 31/12/2016	9	65	10	14	2	23	9	5	4	121	
Patients who died while on the WL during 2016	1	2	0	1	1	0	1	0	0	1	
SMALL BOWEL											
N° TX CENTRES	1	6		1	0	1	0	0	1	2	
Patients included on the WL for the first time in the course of 2016	0	0	0	0	0	2	0	0	2	2	
Total number of patients ever active on the WL during 2016	1	0	1	0	0	1		0	2	6	
Patients awaiting for a transplant (only active candidates) on 31/12/2016	0	0	0	0	0	0		0	1	1	
Patients who died while on the WL during 2016	0	0	0	0	0	0		0	0		

WAITING LIST

EUROPEAN UNION COUNTRIES

COUNTRIES	Germany	Greece	Hungary	Ireland	Italy	Latvia	Lithuania	Luxembourg	Malta
Population (million inhabitants): UNFPA	80.7	10.9	9.8	4.7	59.8	2.0	2.9	0.6	0.4
KIDNEY									
N° TX CENTRES	38	5	4	1	42	1	2	0	1
Patients included on the WL for the first time in the course of 2016	2901	196	444	221	2138	44	125	0	26
Total number of patients ever active on the WL during 2016	11129	1344	1182	705	9093	94	237	0	85
Patients awaiting for a transplant (only active candidates) on 31/12/2016	7876	1193	748	481	6830	19	104	0	24
Patients who died while on the WL during 2016	438	21	33	12	163	0	11	0	20
Patients on dialyses on 31/12/2016		10548	6281	2075		1000	1400	0	285
LIVER									
N° TX CENTRES	22	1	1	1	21	0	2	0	0
Patients included on the WL for the first time in the course of 2016	1284	64	124	80	1464	0	49	0	2
Total number of patients ever active on the WL during 2016	2730	196	229	109	2479	0	77	0	4
Patients awaiting for a transplant (only active candidates) on 31/12/2016	1157	146	118	33	1022	0	34	0	
Patients who died while on the WL during 2016	369	28	18	8	102	0	7	0	1
HEART									
N° TX CENTRES	24	1	2	1	17	1	2	0	1
Patients included on the WL for the first time in the course of 2016	450	12	78	18	412	7	18	0	
Total number of patients ever active on the WL during 2016	1248	48	121	37	1106	13	52	0	
Patients awaiting for a transplant (only active candidates) on 31/12/2016	725	36	48	16	742	7	30	0	
Patients who died while on the WL during 2016	114	6	10	3	70	2	6	0	
LUNG									
N° TX CENTRES	16		1	1	11	0	1	0	0
Patients included on the WL for the first time in the course of 2016	415		26	64	196	0	6	0	2
Total number of patients ever active on the WL during 2016	841		36	96	570	0	20	0	3
Patients awaiting for a transplant (only active candidates) on 31/12/2016	390		7	42	347	0	10	0	2
Patients who died while on the WL during 2016	61		6	11	56	0	7	0	1
PANCREAS									
N° TX CENTRES	27		2	1	17	0	1	0	0
Patients included on the WL for the first time in the course of 2016	196		22		87	0	3	0	0
Total number of patients ever active on the WL during 2016	456		36		330	0	7	0	0
Patients awaiting for a transplant (only active candidates) on 31/12/2016	275		23		251	0	3	0	0
Patients who died while on the WL during 2016	22		1		6	0	1	0	0
SMALL BOWEL									
N° TX CENTRES	9		0	0	3	0	0	0	0
Patients included on the WL for the first time in the course of 2016			0	0	2	0	0	0	0
Total number of patients ever active on the WL during 2016			0	0	22	0	0	0	0
Patients awaiting for a transplant (only active candidates) on 31/12/2016	9		0	0	12	0	0	0	0
Patients who died while on the WL during 2016			0	0	0	0	0	0	0

WAITING LIST											
EUROPEAN UNION COUNTRIES											
COUNTRIES		Netherlands	Poland	Portugal	Romania	Slovakia	Slovenia	Spain	Sweden	United Kingdom	
Population (million inhabitants): UNFPA		17.0	38.6	10.3	19.4	5.4	2.1	46.1	9.9	65.1	
KIDNEY											
N° TX CENTRES											
Patients included on the WL for the first time in the course of 2016		1415	21	8	5	4	1	40	4	24	
Total number of patients ever active on the WL during 2016		1991	1268	342	693	152	41		399	2395	
Patients awaiting for a transplant (only active candidates) on 31/12/2016		629	2720	2395	4826	465	91		837	8937	
Patients who died while on the WL during 2016		66	1069	2011	4276	278	44	4309	446	5215	
Patients on dialyses on 31/12/2016			78	30	11	27	1		11	301	
			21000	12458	9800	3300	1450	27727		3032	
LIVER											
N° TX CENTRES											
Patients included on the WL for the first time in the course of 2016		219	8	3	3	2	1	25	2	7	
Total number of patients ever active on the WL during 2016		329	398	249	174	37	31	1324	228	335	
Patients awaiting for a transplant (only active candidates) on 31/12/2016		125	569	404	550	102	49	2115	280	1734	
Patients who died while on the WL during 2016		28	173	110	372	27	17	645	57	549	
			41	25	27	17	3	78	3	71	
HEART											
N° TX CENTRES											
Patients included on the WL for the first time in the course of 2016		59	6	4	3	1	1	16	2	7	
Total number of patients ever active on the WL during 2016		161	235	61	44	28	53	372	69	148	
Patients awaiting for a transplant (only active candidates) on 31/12/2016		101	599	73	154	63	95	527	102	574	
Patients who died while on the WL during 2016		3	388	17	18	26	50	152	30	261	
			78	10	5	8	6	23	1	35	
LUNG											
N° TX CENTRES											
Patients included on the WL for the first time in the course of 2016		121	5	1	1	0	0	8	2	6	
Total number of patients ever active on the WL during 2016		298	69		4	0	0	352	71	212	
Patients awaiting for a transplant (only active candidates) on 31/12/2016		195	112		4	0	0	668	106	627	
Patients who died while on the WL during 2016		18	57	59	3	0	0	289	31	380	
			18		1	0	0	19	6	72	
PANCREAS											
N° TX CENTRES											
Patients included on the WL for the first time in the course of 2016		51	5	2	2	1	1	13	3	11	
Total number of patients ever active on the WL during 2016		103	50	46	20	0	1	82	24	154	
Patients awaiting for a transplant (only active candidates) on 31/12/2016		58	113	83	132	0	10	160	46	464	
Patients who died while on the WL during 2016		3	48	34	89	0	5	76	13	203	
			7	1	6	0	0	4	0	19	
SMALL BOWEL											
N° TX CENTRES											
Patients included on the WL for the first time in the course of 2016			1	0	0	0	0	3	1	4	
Total number of patients ever active on the WL during 2016			0	0	0	0	0	8	2	2	
Patients awaiting for a transplant (only active candidates) on 31/12/2016		0	2	0	0	0	0	18	4	26	
Patients who died while on the WL during 2016			0	0	0	0	0	11	1	7	
			0	0	0	0	0	3	0	3	

WAITING LIST

OTHER COUNTRIES

COUNTRIES	Armenia	Australia	Belarus	Bosnia and Herzegovina	Canada	Georgia	Iceland	Israel	Kuwait	Malaysia	Montenegro
Population (million inhabitants): UNFPA	3.0	24.3	9.5	3.8	36.3	4.0	0.3	8.2	4.0	30.8	0.6
KIDNEY											
N° TX CENTRES	1	20	6	2	25	3	1	6	1	3	1
Patients included on the WL for the first time in the course of 2016		760	315			0	0	363	106	1414	3
Total number of patients ever active on the WL during 2016		1901	779			0	0		205	7031	38
Patients awaiting for a transplant (only active candidates) on 31/12/2016		1061	380	219	2260	0	0	847	111	5941	
Patients who died while on the WL during 2016		8	15		100	0	0	37	4	457	2
Patients on dialyses on 31/12/2016	800	12461	1999			0	0	6542	1800	39683	197
LIVER											
N° TX CENTRES	0	8	1	1	9	2	0	3	0	1	0
Patients included on the WL for the first time in the course of 2016		336	84			0	0	174		5	3
Total number of patients ever active on the WL during 2016		523	175	24		0	0			12	7
Patients awaiting for a transplant (only active candidates) on 31/12/2016		136	95		354	0	0	104		7	5
Patients who died while on the WL during 2016		8	4		90	0	0	50		0	1
HEART											
N° TX CENTRES	0	5	3	0	11	0	0	2	0	1	0
Patients included on the WL for the first time in the course of 2016		133	80	7		0	0	51		1	1
Total number of patients ever active on the WL during 2016		186	144			0	0			7	3
Patients awaiting for a transplant (only active candidates) on 31/12/2016		44	67		139	0	0	69		5	2
Patients who died while on the WL during 2016		4	13		26	0	0	10		0	1
LUNG											
N° TX CENTRES	0	5	2	0	6	0	0	2	0	1	0
Patients included on the WL for the first time in the course of 2016		234	22			0	0	95		7	1
Total number of patients ever active on the WL during 2016		319	29			0	0			14	1
Patients awaiting for a transplant (only active candidates) on 31/12/2016		77	25		215	0	0	89		10	0
Patients who died while on the WL during 2016		11	1		45	0	0	25		3	1
PANCREAS											
N° TX CENTRES	0	2	1	0	8	0	0	2	1	0	0
Patients included on the WL for the first time in the course of 2016		69	15			0	0	2			0
Total number of patients ever active on the WL during 2016		157	60			0	0				0
Patients awaiting for a transplant (only active candidates) on 31/12/2016		81	56		25	0	0	7		7	0
Patients who died while on the WL during 2016		4	2		0	0	0	0			0
SMALL BOWEL											
N° TX CENTRES	0	1	1	0	3	0	0	1	0	0	0
Patients included on the WL for the first time in the course of 2016		5	0			0	0				0
Total number of patients ever active on the WL during 2016		5	1			0	0				0
Patients awaiting for a transplant (only active candidates) on 31/12/2016		4	0		5	0	0				0
Patients who died while on the WL during 2016		0	1		0	0	0				0

WAITING LIST											
OTHER COUNTRIES											
COUNTRIES	New Zealand	Norway	Republic of Moldova	Russian Federation	Saudi Arabia	Sudan	Switzerland	Syrian Arab Republic	The former Yugoslav Republic of Macedonia	Turkey	United States of America
Population (million inhabitants): UNFPA	4.6	5.3	4.1	143.4	32.2	41.2	8.4	18.6	2.1	79.6	324.1
KIDNEY											
N° TX CENTRES	3	1	1	35	13	7	6	8	2	70	240
Patients included on the WL for the first time in the course of 2016		307	28	1372	721	65	418			6232	35976
Total number of patients ever active on the WL during 2016		611	69	4818	4851	345				28430	102454
Patients awaiting for a transplant (only active candidates) on 31/12/2016		350	37	3606	2708	44	531			21914	61446
Patients who died while on the WL during 2016		14	4	77	324	14	26			1804	5147
Patients on dialyses on 31/12/2016			502	35000	16315	7010	450				723413
LIVER											
N° TX CENTRES	1	1	1	22	4		3	1	0	38	143
Patients included on the WL for the first time in the course of 2016	70	111	47	573	180		207			2098	12305
Total number of patients ever active on the WL during 2016	94	131	108	1409	625					4447	24604
Patients awaiting for a transplant (only active candidates) on 31/12/2016	24	17	74	899	200		114			2317	11631
Patients who died while on the WL during 2016	4	7	25	85	210		29			706	1883
HEART											
N° TX CENTRES	1	1	0	11	2		3		0	13	136
Patients included on the WL for the first time in the course of 2016	18	26	3	342	32		73			387	4360
Total number of patients ever active on the WL during 2016	31	43	3	497	75					1042	7731
Patients awaiting for a transplant (only active candidates) on 31/12/2016	14	14	3	240	23		56			750	3124
Patients who died while on the WL during 2016	2	2	0	37	25		13			215	477
LUNG											
N° TX CENTRES	1	1	0	2	1		2		0	6	70
Patients included on the WL for the first time in the course of 2016	24	38		21	30		45			37	2762
Total number of patients ever active on the WL during 2016	29	94		66	55					97	4046
Patients awaiting for a transplant (only active candidates) on 31/12/2016	8	44		45	22		19			46	1144
Patients who died while on the WL during 2016	2	10		5	17		9			24	273
PANCREAS											
N° TX CENTRES	1	1	0	4	2		2		0	10	137
Patients included on the WL for the first time in the course of 2016	4	23		72	15		24			33	1514
Total number of patients ever active on the WL during 2016	11	51		145	31					302	2956
Patients awaiting for a transplant (only active candidates) on 31/12/2016	4	28		137	15		16			278	1140
Patients who died while on the WL during 2016	0	0		2	5		1			14	139
SMALL BOWEL											
N° TX CENTRES	0	0	0	0	1		2		0	1	40
Patients included on the WL for the first time in the course of 2016		0		0			0			4	199
Total number of patients ever active on the WL during 2016		0		0			0			7	396
Patients awaiting for a transplant (only active candidates) on 31/12/2016		0		0			0			1	203
Patients who died while on the WL during 2016		0		0			0			4	18

WAITING LIST

LATINAMERICAN COUNTRIES

COUNTRIES	Argentina 43.8	Brazil 209.6	Chile 18.1	Colombia 48.7	Costa Rica 4.9	Cuba 11.4	Dominican Republic 10.6
Population (million inhabitants): UNFPA							
KIDNEY							
N° TX CENTRES	53	130	22	23	4	9	8
Patients included on the WL for the first time in the course of 2016	2005	11408	618			500	85
Total number of patients ever active on the WL during 2016	8250	29772	1912			800	123
Patients awaiting for a transplant (only active candidates) on 31/12/2016	6245	19927	1271	2368		385	94
Patients who died while on the WL during 2016	482	1265	26	63			2
Patients on dialyses on 31/12/2016	29246	93606	21134			3205	2300
LIVER							
N° TX CENTRES	23	58	9	9	3	3	1
Patients included on the WL for the first time in the course of 2016	740	3365	147			20	12
Total number of patients ever active on the WL during 2016	2008	4673	256			32	20
Patients awaiting for a transplant (only active candidates) on 31/12/2016	1268	1230	96	130		25	9
Patients who died while on the WL during 2016	204	772	31	33			2
HEART							
N° TX CENTRES	20	41	7	8	1	1	2
Patients included on the WL for the first time in the course of 2016	36	572	31		7	5	0
Total number of patients ever active on the WL during 2016	184	823	51			5	0
Patients awaiting for a transplant (only active candidates) on 31/12/2016	148	271	21	23	4	3	0
Patients who died while on the WL during 2016	40	120	3	6	1		0
LUNG							
N° TX CENTRES	7	6	5	4	1	0	0
Patients included on the WL for the first time in the course of 2016	50	139	29		3	0	0
Total number of patients ever active on the WL during 2016	241	345	78			0	0
Patients awaiting for a transplant (only active candidates) on 31/12/2016	191	175	40	28	2	0	0
Patients who died while on the WL during 2016	46	45	7		1	0	0
PANCREAS							
N° TX CENTRES	17	15	3	5	1	0	0
Patients included on the WL for the first time in the course of 2016	1	342	14			0	0
Total number of patients ever active on the WL during 2016	14	843	27			0	0
Patients awaiting for a transplant (only active candidates) on 31/12/2016	15	496	23		2	0	0
Patients who died while on the WL during 2016	1	56	0			0	0
SMALL BOWEL							
N° TX CENTRES	2	2	2	4	1	0	0
Patients included on the WL for the first time in the course of 2016	3	3	1			0	0
Total number of patients ever active on the WL during 2016	10	9	2			0	0
Patients awaiting for a transplant (only active candidates) on 31/12/2016	4	1	1	3	1	0	0
Patients who died while on the WL during 2016	0	0	1			0	0

WAITING LIST									
LATINAMERICAN COUNTRIES									
COUNTRIES	Ecuador	Guatemala	Honduras	Mexico	Panama	Paraguay	Uruguay		
Population (million inhabitants): UNFPA	16.4	16.7	8.2	128.6	4.0	6.7	3.4		
KIDNEY									
N° TX CENTRES	6		3	248	1	4	3		
Patients included on the WL for the first time in the course of 2016	119			4681	74	38	167		
Total number of patients ever active on the WL during 2016	567			17002	238	64	597		
Patients awaiting for a transplant (only active candidates) on 31/12/2016	153			12743	157	42	425		
Patients who died while on the WL during 2016	8			297	25	0	28		
Patients on dialyses on 31/12/2016	567		2300		2115	1100	3038		
LIVER									
N° TX CENTRES	6		0	74	1	1	1		
Patients included on the WL for the first time in the course of 2016	8			288		10	31		
Total number of patients ever active on the WL during 2016	34			681		10	54		
Patients awaiting for a transplant (only active candidates) on 31/12/2016	3			410		2	23		
Patients who died while on the WL during 2016	0			29		2	5		
HEART									
N° TX CENTRES	0		0	50	1	3	3		
Patients included on the WL for the first time in the course of 2016				60		4	19		
Total number of patients ever active on the WL during 2016				104		10	39		
Patients awaiting for a transplant (only active candidates) on 31/12/2016				53		7	28		
Patients who died while on the WL during 2016				6		1	4		
LUNG									
N° TX CENTRES	0		0	10	0	0	1		
Patients included on the WL for the first time in the course of 2016				1		0	8		
Total number of patients ever active on the WL during 2016				2		1	19		
Patients awaiting for a transplant (only active candidates) on 31/12/2016				1		1	17		
Patients who died while on the WL during 2016				0		0	0		
PANCREAS									
N° TX CENTRES	0		0	22	0	0	1		
Patients included on the WL for the first time in the course of 2016				4		0			
Total number of patients ever active on the WL during 2016				23		0			
Patients awaiting for a transplant (only active candidates) on 31/12/2016				19		0			
Patients who died while on the WL during 2016				0		0			
SMALL BOWEL									
N° TX CENTRES	0		0	3	0	0	0		
Patients included on the WL for the first time in the course of 2016				0		0			
Total number of patients ever active on the WL during 2016				0		0			
Patients awaiting for a transplant (only active candidates) on 31/12/2016				0		0			
Patients who died while on the WL during 2016				0		0			

EUROPEAN UNION COUNTRIES

COUNTRIES	Austria	Belgium	Bulgaria	Croatia	Cyprus	Czech Rep.	Denmark	Estonia	Finland	France
Population (million inhabitants): UNFPA	8.6	11.4	7.1	4.2	1.2	10.5	5.7	1.3	5.5	64.7
Number of interviews, asking for consent to donation	294	402	26	186	10			41		
Number of family refusals (%)	80 (27.2)	51 (12.7)	9 (34.6)	20 (10.8)	4 (40.0)			11 (26.8)		

COUNTRIES Population (million inhabitants): UNFPA	Germany 80.7	Greece 10.9	Hungary 9.8	Ireland 4.7	Italy 59.8	Latvia 2.0	Lithuania 2.9	Luxembourg 0.6	Malta 0.4
Number of interviews, asking for consent to donation		242		72	2488	25	103		
Number of family refusals (%)		16 (6.6)		36 (50.0)	807 (32.4)	9 (36.0)	26 (25.2)		

COUNTRIES	Netherlands	Poland	Portugal	Romania	Slovakia	Slovenia	Spain	Sweden	United Kingdom
Population (million inhabitants): UNFPA	17.0	38.6	10.3	19.4	5.4	2.1	46.1	9.9	65.1
Number of interviews, asking for consent to donation	677			352	112	55	2391		3145
Number of family refusals (%)	71 (10.5)		9	57 (16.2)	11 (9.8)	13 (23.6)	372 (15.6)		1172 (37.3)

OTHER COUNTRIES

COUNTRIES	Armenia	Australia	Belarus	Bosnia and Herzegovina	Canada	Georgia	Iceland	Israel	Kuwait	Malaysia	Montenegro
Population (million inhabitants): UNFPA	3.0	24.3	9.5	3.8	36.3	4.0	0.3	8.2	4.0	30.8	0.6
Number of interviews, asking for consent to donation	0	1074		17				137		227	15
Number of family refusals (%)	0	428 (39.9)		12 (70.6)				52 (38.0)		168 (74.0)	15 (100.0)

COUNTRIES	New Zealand	Norway	Republic of Moldova	Russian Federation	Saudi Arabia	Sudan	Switzerland	Syrian Arab Republic	The former Yugoslav Republic of Macedonia	Turkey	United States of America
Population (million inhabitants): UNFPA	4.6	5.3	4.1	143.4	32.2	41.2	8.4	18.6	2.1	79.6	324.1
Number of interviews, asking for consent to donation	168		46		333			0	0	1988	
Number of family refusals (%)			13 (28.3)		230 (69.1)			0	0	1425 (71.7)	

LATINAMERICAN COUNTRIES

COUNTRIES	Argentina	Brazil	Chile	Colombia	Costa Rica	Cuba	Dominican Republic
Population (million inhabitants): UNFPA	43.8	209.6	18.1	48.7	4.9	11.4	10.6
Number of interviews, asking for consent to donation	1177	5921	272	714	42	161	72
Number of family refusals (%)	434 (36.9)	2561 (43.3)	139 (51.1)	286 (40.1)	6 (14.3)	12 (7.5)	40 (55.6)

COUNTRIES	Ecuador	Guatemala	Honduras	Mexico	Panama	Paraguay	Uruguay
Population (million inhabitants): UNFPA	16.4	16.7	8.2	128.6	4.0	6.7	3.4
Number of interviews, asking for consent to donation						28	96
Number of family refusals (%)						17 (60.7)	2 (2.1)

International Data On Tissues And Hematopoietic Stem Cell Donation And Transplantation Activity. Year 2016



Data provided by National Competent Authorities:

EUROPE

Austria

Belgium

Bulgaria

Yordan Peev

Cyprus

Carolina Stylianou

Czech Republic

Eva Křemenová

Germany

Ralf Tönjes

Denmark

Estonia

Siim Suutre

Spain

Bibiana Ramos

Esteban Molano

Finland

Anne Tammiruusu

France

Samuel Arrabal

Greece

Croatia

Milena Ivanković

Hungary

János Sajtos

Ireland

Italy

Fiorenza Bariani

Letizia Lombardini

Lithuania

Justina Davainytė

Luxembourg

Martine Debacker

Latvia

Ieva Bekere

The Republic of Moldova

Igor Codreanu

Tatiana Timbalari

Macedonia

Malta

Patricia Galea

Netherlands

Frank Van Linden

Norway

Zaheer Rana

Poland

Izabela Uhrynowska- Tyszkiewicz

Artur Kaminski

Portugal

Paulo Severino

Romania

Andrei Nica

Sweden

Mona Hansson

Slovenia

Gorazd Čebulc

Slovakia

Magdaléna Krátka

Daniel Kuba

Turkey

United Kingdom

LATIN AMERICA

Argentina

M^a del Carmen Bacqué

Brasil

Heder Murari Borba

Chile

Jose Luis Rojas

Colombia

Costa Rica

Martha Romero P.

Roselyn Serrano V.

Juan Carlos Valverde M.

Cuba

Alexander Mármol

Dominican Republic

Fernando R. Morales

Alexander Altman

Ecuador

José Javier Bermúdez

Guatemala

Honduras

Mexico

J. Salvador Aburto

José Madrigal

Panama

Cesar J. Cuero

Camilo Chong

Paraguay

Hugo A. Espinoza C.

Uruguay

Milka Bengochea

PRELIMINARY DATA ON TISSUES - YEAR 2016

EUROPEAN UNION COUNTRIES

Country	Austria	Belgium	Bulgaria	Croatia	Cyprus	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Ireland	Italy
Population (Source: eurostat)	8,690,076	11,311,117	7,153,784	4,190,669	848,319	10,553,843	5,659,715	1,315,944	5,487,308	66,759,950	82,175,684	10,783,748	9,830,485	4,724,720	60,665,551
TYPE OF TISSUE	NO DATA	NO DATA					NO DATA					NO DATA		NO DATA	
CORNEA	N. of tissue donations					851		19	188	5,601	0		NA		8,089
	Tissue donation PMP					806		14.4	34.3	83.9	0.0		NA		133.3
	N° of tissue retrieved					1,804		38	390	11,136	0.0		NA		511
	N° of tissue processed (units)					670		41	NA	9,358	9,358		485		16,178
	N° of tissue distributed (units)					735		40	259	11,136	6,668		421		NA
	N° of tissue imported (units)					2		0	0	0	2,302		39		NA
	N° of tissue exported (units)					157		0	0	178	0		0		533
	N° of tissues transplanted					493		36	NA	4,459	NA		NA		NA
	N° of patients transplanted					493		45	NA	4,166	NA		NA		NA
	N° of transplants					494		48	NA	UK	NA		NA		6,029
BLOOD VESSELS	N. of tissue donations					9		21	19	8,635	0		NA		578
	Tissue donation PMP					0.9		16.0	3.5	129.3	0.0		NA		95
	N° of tissue retrieved					9		33	47	9,313	162		7		770
	N° of tissue processed (units)					16		36	NA	9,313	206		12		NA
	N° of tissue distributed (units)					26		32	41	2,508	88		19		409
	N° of tissue imported (units)					0		0	0	42	2		0		NA
	N° of tissue exported (units)					0		0	0	54	0		0		7
	N° of tissues transplanted					26		11	NA	2,508	NA		NA		NA
	N° of patients transplanted					21		31	NA	1,683	NA		NA		NA
	N° of transplants					26		32	NA	UK	NA		NA		254
CARDIAC TISSUE	N. of tissue donations					124		0	49	347	0		NA		241
	Tissue donation PMP					11.7		0.0	8.9	5.2	0.0		NA		4.0
	N° of tissue retrieved					124		0	35	805	111		20		446
	N° of tissue processed (units)					124		NE	NA	805	285		26		NA
	N° of tissue distributed (units)					114		NE	33	199	77		44		202
	N° of tissue imported (units)					0		0	0	41	115		0		NA
	N° of tissue exported (units)					0		0	6	103	90		0		15
	N° of tissues transplanted					111		NE	NA	199	NA		NA		NA
	N° of patients transplanted					111		NE	NA	160	NA		NA		NA
	N° of transplants					113		NE	NA	UK	NA		NA		169
MUSCULOSKELETAL	N. of tissue donations					1,609		158	931	26,837	0		NA		4,259
	Tissue donation PMP					410		120.1	167.8	400.0	0.0		NA		705
	N° of tissue retrieved					4,636		160	1,339	27,174	20,283		646		9,857
	N° of tissue processed (units)					4,278		342	NA	26,070	37,803		5,997		14,858
	N° of tissue distributed (units)					3,639		341	NA	47,528	71,566		4,956		NA
	N° of tissue imported (units)					0		0	0	381	12,268		0		NA
	N° of tissue exported (units)					1,019		0	0	4,952	38,829		0		146
	N° of tissues transplanted					766		208	NA	47,528	NA		NA		NA
	N° of patients transplanted					585		246	NA	35,909	NA		NA		NA
	N° of transplants					750		283	NA	UK	NA		NA		7,654
PLACENTA/AMNIOTIC MEMBRANE	N. of tissue donations					12		23	7	111	0		NA		279
	Tissue donation PMP					1.1		17.5	1.3	1.7	0.0		NA		4.6
	N° of tissue retrieved					18		23	126	111	143		0		268
	N° of tissue processed (units)					3,272		121	NA	5497.5	4,306		131		1,119
	N° of tissue distributed (units)					2,267		78	258	3,159	4,066		102		NA
	N° of tissue imported (units)					0		0	0	0	81		0		NA
	N° of tissue exported (units)					119		0	0	17	813		0		5
	N° of tissues transplanted					54		4	NA	3,159	NA		NA		NA
	N° of patients transplanted					54		67	NA	2,359	NA		NA		NA
	N° of transplants					54		78	NA	UK	NA		NA		888
SKIN	N. of tissue donations					36		6	28	266	0		NA		389
	Tissue donation PMP					3.4		4.6	5.1	266	0.0		NA		6.4
	N° of tissue retrieved (cm.)					36		72	143,993	511,685.5	59,877		225		1,042,458
	N° of tissue processed (units)					1,513		15	NA	UK	0.0		594		NA
	N° of tissue distributed (units)					142,200		0	1,780	0	254		594		5,818
	N° of tissue imported (units)					0		0	0	3,013	666		0		NA
	N° of tissue exported (units)					1,444		0	0	454,347.5	0		0		0
	N° of tissues transplanted					0		15	NA	NA	NA		NA		NA
	N° of patients transplanted					0		7	NA	158	NA		NA		NA
	N° of transplants					0		15	NA	UK	NA		NA		1,540
OTHERS	N. of tissue donations					60		0	0	UK	0		NA		114
	Tissue donation PMP					5.7		0.0	0.0	UK	0.0		NA		1.9
	N° of tissue retrieved					60		0	0	229	26		26		114
	N° of tissue processed (units)					1,557		0	NA	UK	32,604		4		27
	N° of tissue distributed (units)					0		0	36	UK	146		0		NA
	N° of tissue imported (units)					1,377		0	0	UK	166		0		0
	N° of tissue exported (units)					1		0	NA	UK	0		0		NA
	N° of tissues transplanted					1		0	NA	UK	NA		NA		NA
	N° of patients transplanted					1		0	NA	UK	NA		NA		21
	N° of transplants					1		0	NA	UK	NA		NA		21

PRELIMINARY DATA ON TISSUES - YEAR 2016

EUROPEAN UNION COUNTRIES																OTHER COUNTRIES	
Country	Latvia	Lithuania	Luxembourg	Malta	Netherlands	Poland	Portugal	Romania	Slovakia	Slovenia	Spain	Sweden	United Kingdom	Norway	Republic of Moldova		
Population (Source: eurostat)	1.968.957	2.888.558	576.249	434.403	16.979.120	37.967.209	10.341.330	19.760.314	5.426.252	2.064.188	46.445.828	9.851.017	65.382.556	5.210.721	3.553.056		
TYPE OF TISSUE	TYPE OF DATA															NO DATA	
CORNEA	N. of tissue donations	14	38	128	1.476	747	528	89	128	104	3.827	667		207	21		
	Tissue donation PMP	7.1	13.2	222.1	86.9	19.7	51.1	4.5	23.6	50.4	82.4	67.7		39.7	5.9		
	N° of tissue retrieved	14	75	128	16	2.944	1.484	1.029	245	104	7.511	1.442		317	42		
	N° of tissue processed (units)	6	76	NA	NE	3.489	1.417	1.037	0	245	0	1.444		304	42		
	N° tissue distributed (units)	11	73	NA	NE	2.999	1.083	0	172	0	3.818	1.091		84	28		
	N° tissue imported (units)	5	NE	NA	NE	28	0	188	62	54	0	69		103	0		
	N° tissue exported (units)	5	NE	NA	NE	257	0	0	0	0	71	11		0	0		
	N° of tissues transplanted	NA	73	128	15	1.510	NA	905	141	226	105	4.207	1.091		280	28	
	N° of patients transplanted	NA	73	85	15	1.504	NA	901	141	222	82	0	997		275	26	
	N° of transplants	NA	73	128	15	1.505	NA	915	141	226	82	4.052	1.017		285	28	
BLOOD VESSELS	N. of tissue donations	NE	UK	0	31	28	0	0	0	39	149	144		0	10		
	Tissue donation PMP	NE	UK	0.0	1.8	0.7	0.0	0.0	0.0	0.0	3.2	14.6		0.0	2.8		
	N° of tissue retrieved	NE	UK	0	30	36	0	0	0	39	421	262		0	24		
	N° of tissue processed (units)	NE	UK	NA	30	31	0	0	0	39	414	263		0	0		
	N° tissue distributed (units)	NE	NE	NA	5	19	0	0	0	28	260	2		0	0		
	N° tissue imported (units)	NE	NE	NA	0	0	0	0	0	10	0	0		0	0		
	N° tissue exported (units)	NE	UK	NA	5	0	0	0	2.591	0	41	0		0	0		
	N° of tissues transplanted	NE	UK	NA	0	NA	0	0	0	21	158	0		0	24		
	N° of patients transplanted	NE	UK	NA	0	NA	0	0	0	26	0	0		0	22		
	N° of transplants	NE	UK	0	0	NA	0	0	0	26	109	0		0	22		
CARDIAC TISSUE	N. of tissue donations	NE	0	2	202	232	29	0	1	0	249	139		0	0		
	Tissue donation PMP	NE	0.0	0.0	11.9	6.1	2.8	0.0	0.2	0.0	5.4	14.1		0.0	0.0		
	N° of tissue retrieved	NE	0	0	202	232	58	0	1	0	465	445		0	0		
	N° of tissue processed (units)	NE	0	NA	151	170	17	0	2	0	465	446		0	0		
	N° tissue distributed (units)	NE	0	NA	93	83	17	0	9	0	169	226		0	0		
	N° tissue imported (units)	NE	NE	2	33	0	1	0	0	0	0	0		0	0		
	N° tissue exported (units)	NE	NE	NA	18	0	0	0	0	0	78	0		0	0		
	N° of tissues transplanted	NE	0	NA	108	NA	16	0	9	0	69	226		0	0		
	N° of patients transplanted	NE	0	NA	79	NA	16	0	9	0	0	221		0	0		
	N° of transplants	NE	0	1	108	NA	16	0	9	0	66	224		0	0		
MUSCULOSKELETAL	N. of tissue donations	43	33	0	3.296	333	56	494	507	0	2.649	1.580		471	57		
	Tissue donation PMP	21.8	11.4	0.0	194.1	8.8	5.4	25.0	93.4	0.0	57.0	160.4		90.4	16.0		
	N° of tissue retrieved	43	33	0	3.732	3.287	299	632	3.511	0	22.515	1.582		435	96		
	N° of tissue processed (units)	69	NA	0	33.454	11.402	550	284	3.946	0	24.606	1.653		299	518		
	N° tissue distributed (units)	78	0	NA	6.098	1.112	411	216	3.189	0	16.248	1.270		172	339		
	N° tissue imported (units)	0	NE	NA	612	0	69	10	0	NA	299	103		143	0		
	N° tissue exported (units)	0	NE	0	41.608	0	0	0	2.591	NA	485	0		0	0		
	N° of tissues transplanted	NA	0	NA	6.077	NA	424	510	504	5	17.892	1.270		248	330		
	N° of patients transplanted	NA	0	NA	6.058	NA	317	315	323	5	1.180	1.221		129	129		
	N° of transplants	NA	0	0	NA	NA	407	315	323	5	12.356	1.202		198	130		
PLACENTA/AMNIOTIC MEMBRANE	N. of tissue donations	0	15	NA	8	0	7	0	30	1	73	6		79	16		
	Tissue donation PMP	0.0	5.2	NA	0.5	0.0	0.7	0.0	5.5	0.5	1.6	0.6		15.2	4.5		
	N° of tissue retrieved	0	15	NA	4	99	7	0	30	1	1.694	303		80	16		
	N° of tissue processed (units)	NE	84	NA	150	1.183	174	0	410	1	1.954	303		151	114		
	N° tissue distributed (units)	NE	NE	NA	0	1.103	205	0	361	21	1.707	266		39	114		
	N° tissue imported (units)	NE	NE	NA	0	0	0	0	0	NA	30	0		32	0		
	N° tissue exported (units)	NE	NE	NA	0	0	0	0	0	NA	30	0		0	0		
	N° of tissues transplanted	NE	84	NA	79	NA	203	0	368	21	1.816	266		102	114		
	N° of patients transplanted	NE	UK	NA	73	NA	157	0	265	18	0	244		92	62		
	N° of transplants	NE	84	0	73	NA	180	0	318	18	1.675	263		82	68		
SKIN	N. of tissue donations	NE	UK	0	443	81	0	22	14	12	339	57		0	13		
	Tissue donation PMP	NE	UK	0.0	26.1	2.1	0.0	1.1	2.6	5.8	7.3	5.8		0.0	3.7		
	N° of tissue retrieved (cm.)	NE	UK	0	1.908.000	246.308	0	38.565	564.38	12	NA	80.032		0	33.183		
	N° of tissue processed (units)	NE	UK	NA	15.264	0	0	0	95	57	NA	82.000		0	238		
	N° tissue distributed (units)	NE	UK	NA	1.499	0	NA	0	89	48	NA	NA		0	133		
	N° tissue imported (units)	NE	NE	NA	84	0	90	0	0	0	9	0		483	0		
	N° tissue exported (units)	NE	NE	NA	12.448	0	0	0	0	0	114.985	0		0	0		
	N° of tissues transplanted	NE	UK	NA	1.559	NA	81	18.500	89	28	0	59		0	133		
	N° of patients transplanted	NE	UK	NA	239	NA	9	8	33	NA	0	23		14	15		
	N° of transplants	NE	UK	0	NA	NA	15	8	45	28	63	25		25	15		
OTHERS	N. of tissue donations	201	29	0	28	0	0	0	189	6	0	1		0	0		
	Tissue donation PMP	102.1	10.0	0.0	1.6	0.0	0.0	0.0	34.8	2.9	0.0	0.1		0.0	0.0		
	N° of tissue retrieved	208	29	0	56	0	0	0	189	6	0	1		0	0		
	N° of tissue processed (units)	38	29	NA	56	0	0	0	49	6	0	16		0	0		
	N° tissue distributed (units)	0	27	NA	41	0	0	0	36	52	0	12		0	0		
	N° tissue imported (units)	0	NE	NA	127	0	0	0	0	NA	0	0		0	0		
	N° tissue exported (units)	NA	27	NA	164	0	0	0	45	52	0	12		0	0		
	N° of tissues transplanted	NA	27	NA	55	0	0	0	31	50	0	3		0	0		
	N° of patients transplanted	NA	27	0	55	0	0	0	35	50	0	3		0	0		
	N° of transplants	NA	27	0	55	0	0	0	35	50	0	3		0	0		

PRELIMINARY DATA ON TISSUES - YEAR 2016

LATINAMERICAN COUNTRIES

Country	Argentina	Brazil	Chile	Colombia	Costa Rica	Cuba	Dominican Republic	Ecuador	Guatemala	Honduras	Mexico	Panama	Paraguay	Uruguay
Population (Source: UNFPA, state of world population, 2016 - Million)	43.8	209.6	18.1	48.7	4.9	11.4	10.6	16.4	16.7	8.2	128.6	4.0	6.7	3.4
TYPE OF TISSUE	NO DATA													
	NO DATA													
CORNEA	N. of tissue donations	30,769	182		172	0	36	276			3,464	0	86	84
	Tissue donation PMP	146.8	10.1		35.1	0.0	3.4	16.8			26.9	0.0	12.8	24.7
	N° of tissue retrieved	0	143		182	0	0	264			3,464	0	76	173
	N° of tissues transplanted	14,640	143		229	0	0	0			3,484	0	76	198
	N° of patients transplanted	0	143		229	0	0	478			3,484	0	76	188
N° of transplants	14,640	143	143		0	0	0	478			3,484	0	76	0
BLOOD VESSEL	N. of tissue donations	0	0		3	0	0	2			0	0	0	9
	Tissue donation PMP	0.0	0.0		0.6	0.0	0.0	0.1			0.0	0.0	0.0	2.6
	N° of tissue retrieved	0	0		6	0	0	2			0	0	0	18
	N° of tissues transplanted	0	0		12	0	0	0			0	0	0	12
	N° of patients transplanted	0	0		10	0	0	0			0	0	0	9
N° of transplants	0	0	0		12	0	0	0			0	0	0	0
CARDIAC TISSUE	N. of tissue donations	220	2		3	0	0	0			2	0	0	0
	Tissue donation PMP	1.0	0.1		0.6	0.0	0.0	0.0			0.0	0.0	0.0	0.0
	N° of tissue retrieved	0	4		6	0	0	0			2	0	0	0
	N° of tissues transplanted	140	0		12	0	0	0			1	0	0	1
	N° of patients transplanted	0	0		12	0	0	0			1	0	0	1
N° of transplants	140	0	0		12	0	0	0			1	0	0	0
MUSCULOSKELETAL	N. of tissue donations	1,628	2		7	0	0	276			325	0	0	16
	Tissue donation PMP	7.8	0.1		1.4	0.0	0.0	16.8			2.5	0.0	0.0	4.7
	N° of tissue retrieved	0	4		12	0	0	0			325	0	0	27
	N° of tissues transplanted	16,321	0		2	0	0	0			0	0	0	460
	N° of patients transplanted	0	0		2	0	0	0			0	0	0	104
N° of transplants	16,321	0	0		2	0	0	0			0	0	0	0
PLACENTA/AMNIOTIC MEMBRANE	N. of tissue donations	0	0		4	0	0	374			0	0	0	129
	Tissue donation PMP	0.0	0.0		0.8	0.0	0.0	22.8			0.0	0.0	0.0	37.9
	N° of tissue retrieved	0	0		3428.7	0	0	0			0	0	0	54
	N° of tissues transplanted	0	0		29	0	0	0			0	0	0	368
	N° of patients transplanted	0	0		16	0	0	0			0	0	0	66
N° of transplants	0	0	0		27	0	0	0			0	0	0	0
SKIN	N. of tissue donations	516	0		5	0	0	0			56	0	0	21
	Tissue donation PMP	2.5	0.0		1.0	0.0	0.0	0.0			0.4	0.0	0.0	6.2
	N° of tissue retrieved (cm.)	0	0		12,272	0	0	0			56	0	0	40,200
	N° of tissues transplanted	88,865	0		14160	0	0	0			0	0	0	1,064
	N° of patients transplanted	0	0		9	0	0	0			0	0	0	30
N° of transplants	88,865	0	0		9	0	0	0			0	0	0	0
OTHERS	N. of tissue donations	0	0		0	0	0	0			0	0	0	5
	Tissue donation PMP	0.0	0.0		0.0	0.0	0.0	0.0			0.0	0.0	0.0	1.5
	N° of tissue retrieved	0	0		0	0	0	0			0	0	0	9
	N° of tissues transplanted	0	0		0	0	0	0			0	0	0	7
	N° of patients transplanted	0	0		0	0	0	0			0	0	0	6
N° of transplants	0	0	0		0	0	0	0			0	0	0	0

PRELIMINARY DATA ON HPC CELLS - YEAR 2016

EUROPEAN UNION COUNTRIES

Country	Austria	Belgium	Bulgaria	Croatia	Cyprus	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Ireland	Italy	
Population (Source: eurostat)	8,690,076	11,311,117	7,153,784	4,190,669	848,319	10,553,843	5,659,715	1,315,944	5,487,308	66,759,950	82,175,684	10,783,748	9,830,485	4,724,720	60,665,551	
CATEGORY OF DATA	TYPE OF 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		NA	47,103	144,890	94,720	NA	33,119	263,343	NA	NA	NA	NA	380,594		
	N° of cord blood unit at 31.12		NA	3,237	3,635	4,173	NE	3,344	35,103	NA	NA	NA	NA	34,453		
	N° of searches requested		0	434	22,292	51,361	NA	24,451	26,105	NA	NA	NA	NA	3,279		
	N° of unrelated donation		0	53	46	158	NA	0	1,261	NA	NA	NA	NA	818		
DONATIONS	N° of donations - Autologous		1,946	495	21	134	56	329	3,328	4,417	374	4,542				
	N° of donations - Allogenic		9	654	46	154	5	75	1,249	7,933	150	1,438				
	N° of donations - Allogenic, related		0	37	2	46	0	44	890	7,001	77	1,190				
	N° of donations - Allogenic, unrelated		9	617	44	108	5	31	359	932	73	248				
BANKING of CORD BLOOD	N° of unrelated cord blood units collected		0	610	344	95	NE	0	1,163	1,007	NE	14,661				
	N° of unrelated cord blood units distributed		0	0	3	0	NE	0	154	0	NE	38				
	N° of unrelated cord blood units at 31.12		0	3,319	3,635	4,631	NE	3,344	35,103	36,862	NE	983				
	N° of related cord blood units collected		NA	6	3,400	5	NE	0	0	30	3,552	187				
	N° of related cord blood units distributed		0	0	NA	0	NE	0	0	1	2	7				
N° of related cord blood units at 31.12		0	202	24,150	172	NE	0	0	0	595	39,257	184				
TRANSPLANTS	N° of transplants - Autologous		64	171	21	470	52	NA	3,151	4,620	NA	2,896				
	N° of patients transplanted - Autologous		53	134	21	368	NA	261	3,043	3,734	NA	2,355				
	N° of transplants - Allogenic		19	75	0	270	20	NA	1,958	3,124	NA	1,778				
	N° of patients transplanted - Allogenic		19	64	0	252	NA	171	UK	2,934	NA	1,694				
	N° of transplants - Allogenic, related		9	26	0	100	5	NA	898	973	NA	1,010				
	N° of patients transplanted - Allogenic, related		9	23	0	93	NA	NA	UK	906	NA	908				
	N° of transplants - Allogenic, unrelated		10	49	0	170	15	NA	1,060	2,151	NA	786				
N° of patients transplanted - Allogenic, unrelated		10	41	0	159	NA	NA	UK	2,028	NA	755					

PRELIMINARY DATA ON HPC CELLS - YEAR 2016																	
Country	EUROPEAN UNION COUNTRIES													OTHER COUNTRIES			
	Latvia	Lithuania	Luxembourg	Malta	Netherlands	Poland	Portugal	Romania	Slovakia	Slovenia	Spain	Sweden	United Kingdom	Norway	Republic of Moldova		
Population (Source: eurostat)	1.968.957	2.888.558	576.249	434.403	16.979.120	37.967.209	10.341.330	19.760.314	5.426.252	2.064.188	46.445.828	9.851.017	65.382.556	5.210.721	3.553.056		
CATEGORY OF DATA	TYPE OF DATA													NO DATA			
POTENTIAL DONATION AND SEARCHING IN THE NATIONAL REGISTRIES	UK	N° of potential donors at 31.12	11.440	NA	NE	132.723	NA	395.568	22.386	10.491	17.033	147.049	NA	32.927	NE		
			N° of cord blood units at 31.12	1.472	NA	NE	4.237	NA	9.236	0	1.745	343	64.290	4.634	0	NE	
				N° of searches requested	NA	NA	NE	565	NA	2.701	301	22.967	0	2.244	NA	0	NE
					N° of unrelated donations	57	NA	NE	392	NA	119	6	39	26	699	NA	27
				DONATIONS	UK	N° of donations - Autologous	292	NA	NE	3.233	NA	457	2.947	3.658	0	1.975	769
N° of donations - Allogenic	31	NA	NE			239	NA	1.904	26	40	101	1.064	987	84	NE		
N° of donations - Allogenic, related	22	NA	NE			181	NA	87	20	37	15	760	103	30	NE		
N° of donations - Allogenic, unrelated	9	NA	NE			58	NA	1.817	6	3	86	304	884	54	NE		
BANKING OF CORD BLOOD	UK	N° of unrelated cord blood units collected	0	NA	NE	432	416	1.778	0	0	343	2.152	756	0	NE		
		N° of unrelated cord blood units distributed	0	NA	NE	105	26	4	0	0	NA	220	8	0	NE		
		N° of unrelated cord blood units at 31.12	0	NA	NE	NA	4.358	9.217	-6	0	343	64.290	4.634	0	NE		
		N° of related cord blood units collected	138	NA	NE	2	NA	0	11.094	17	NA	0	44	0	NE		
		N° of related cord blood units distributed	0	NA	NE	0	NA	0	0	5	NA	0	0	0	NE		
		N° of related cord blood units at 31.12	1.229	NA	NE	NA	NA	150	120.545	12	NA	0	118	0	NE		
TRANSPLANTS	UK	N° of transplants - Autologous	154	NA	NE	3.433	NA	395	147	133	86	1.975	566	102	NE		
		N° of patients transplanted - Autologous	154	NA	NE	990	NA	375	146	103	0	0	535	94	NE		
		N° of transplants - Allogenic	64	NA	NE	579	NA	140	64	78	41	1.241	283	77	NE		
		N° of patients transplanted - Allogenic	64	NA	NE	569	NA	135	63	74	0	0	266	77	NE		
		N° of transplants - Allogenic, related	16	NA	NE	170	NA	68	31	32	15	760	100	4	NE		
		N° of patients transplanted - Allogenic, related	16	NA	NE	162	NA	66	30	31	0	0	89	4	NE		
		N° of transplants - Allogenic, unrelated	48	NA	NE	409	NA	72	33	46	26	481	183	73	NE		
		N° of patients transplanted - Allogenic, unrelated	48	NA	NE	407	NA	69	33	43	0	0	177	73	NE		

PRELIMINARY DATA ON HPC CELLS - YEAR 2016

LATINAMERICAN COUNTRIES

Country	Argentina	Brazil	Chile	Colombia	Costa Rica	Cuba	Dominican Republic	Ecuador	Guatemala	Honduras	Mexico	Panama	Paraguay	Uruguay
<i>Population (Source: UNFPA, state of world population, 2016 – Million)</i>	43.8	209.6	18.1	48.7	4.9	11.4	10.6	16.4	16.7	8.2	128.6	4.0	6.7	3.4
CATEGORY OF DATA	NO DATA			NO DATA			NO DATA			NO DATA				
POTENTIAL DONATION AND SEARCHING IN THE NATIONAL REGISTRIES														
N° of potential donors at 31.12		4,210,371	0		46	0	0	0			0	0	0	0
N° of cord blood units at 31.12		14,703	0		0	0	0	0			0	0	0	0
N° of searches requested		10,503	0		0	0	0	0			0	0	0	0
N° of unrelated donations			0				0							
BANKING of CORD BLOOD														
N° of unrelated cord blood units at 31.12		14,703	0		0	0	0	0			0	0	0	0
N° of related cord blood units at 31.12		0	0		0	0	0	1,205			0	0	0	0
TRANSPLANTS														
N° of transplants - Autologous		1,149	0		0	0	0	0			0	32	8	0
N° of patients transplanted - Autologous		0	0		38	0	0	17			0	32	8	0
N° of transplants - Allogenic		853	0		46	0	0	9			0	60	1	0
N° of patients transplanted - Allogenic		0	0		46	0	0	9			0	60	1	0
N° of transplants - Allogenic, related		472	0		46	0	0	9			0	14	1	0
N° of patients transplanted - Allogenic, related		0	0		46	0	0	9			0	14	1	0
N° of transplants - Allogenic, unrelated		381	0		0	0	0	0			0	46	0	0
N° of patients transplanted - Allogenic, unrelated		0	0		0	0	0	0			0	46	0	0

Council Of Europe Resolutions. Year 2017



Resolution CM/Res(2017)1 on principles for the selection, evaluation, donation and follow-up of the non-resident living organ donors

*(Adopted by the Committee of Ministers on 14 June 2017
at the 1289th meeting of the Ministers' Deputies)*

The Committee of Ministers, in its composition restricted to the representatives of States Parties to the Convention on the Elaboration of a European Pharmacopoeia (ETS No. 50),¹

Considering that the aim of the Council of Europe is to achieve greater unity between its member States and that this aim may be pursued, *inter alia*, by the adoption of common action in the health field;

Having regard to Resolution Res(78)29 on the harmonisation of legislation of member States related to removal, grafting and transplantation of human substances and the final text of the 3rd Conference of European Health Ministers (Paris, 16-17 November 1987);

Having regard to the Convention on Human Rights and Biomedicine (ETS No. 164) and in particular to Articles 19 and 20 thereof;

Having regard to the Additional Protocol to the Convention on Human Rights and Biomedicine concerning the Transplantation of Organs and Tissues of Human Origin (ETS No. 186) and the Explanatory Report thereof, in particular Chapter III – Organ and tissue removal from living persons, Article 9 – General rule;

Having regard to the Convention on Action against Trafficking in Human Beings (CETS No. 197);

Having regard to the Convention against Trafficking in Human Organs (CETS No. 216);

Having regard to the Convention for the Protection of Individuals with regard to Automatic Processing of Personal Data (ETS No. 108) and its Additional Protocol on Supervisory Authorities and Transborder Data Flows (ETS No. 181);

Recalling Recommendation Rec(2004)7 on organ trafficking;

Recalling its Resolution CM/Res(2008)4 on adult-to-adult living donor liver transplantation;

Recalling its Resolution CM/Res(2008)6 on transplantation of kidneys from living donors who are not genetically related to the recipient and in particular the principles and measures laid down in its Appendix;

Recalling its Resolution CM/Res(2013)56 on the development and optimisation of live kidney donation programmes;

Recalling its Resolution CM/Res(2015)11 on establishing harmonised national living donor registries with a view to facilitating international data sharing;

Taking into account the Directive 2010/53/EU of the European Parliament and of the Council on standards of quality and safety of human organs intended for transplantation, in particular Article 15;

Taking into account Regulation (EU) 2016/679 of the European Parliament and the Council of 27 April 2016 *on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)*, and in particular Article 9 points (h) and (i), which contain provisions allowing for processing of health data “for the purposes of preventive or occupational medicine, [...] medical diagnosis, the provision of health or social care or treatment or the management of health or social care systems and services [...]” and “for reasons of public interest in the area of public health [...] or ensuring high standards of quality and safety of health care and of medicinal products or medical devices,

1. Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Republic of Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, “the former Yugoslav Republic of Macedonia”, Turkey, Ukraine and United Kingdom.

on the basis of Union or member State law which provides for suitable and specific measures to safeguard the rights and freedoms of the data subject, in particular professional secrecy”;²

Taking into account the WHO Guiding Principles on Human Cell, Tissue and Organ Transplantation adopted by the World Health Assembly in May 2010;³

Taking into account the Declaration of Istanbul on Organ Trafficking and Transplant Tourism, adopted in 2008;⁴

Taking into account the consensus statements made by the Amsterdam Forum on the Care of the Live Kidney Donor^{5,6} and by the Vancouver Forum on the Live Lung, Liver, Pancreas, and Intestine Donor;^{7,8}

Taking into account the consensus statements on living organ donation made by an executive group representing the American Societies of Transplantation, Transplant Surgeons and Nephrology, and the National Kidney Foundation;⁹

Taking into account the position paper of the European Committee on Organ Transplantation (CD-P-TO) on the long-term outcome of living kidney donation, with the endorsement of the European Society for Organ Transplantation (ESOT), the International Society of Nephrology (ISN) and The Transplantation Society (TTS);¹⁰

Taking into account the Council of Europe *Guide on the Quality and Safety of Organs for Transplantation*, in particular its chapter on living donation;¹¹

Considering the large deficit of organs for transplantation compared to demand at present and in the foreseeable future, even after developing deceased donation to its maximum therapeutic potential;

Considering that many countries are developing living donation programmes as a way to pursue self-sufficiency in transplantation;

Taking into account that live kidney donation is a safe procedure, if performed according to recognised international standards, in terms of donor evaluation, selection and donor care;

Considering that living donation carries risks and requires robust legislative and operational procedures in place to safeguard the health of the living donor;

Aware that organ shortages, or lack of access to a deceased donor programme, have also encouraged organ trafficking, often involving patients seeking potential donors abroad;

Aware that many countries are accepting organ donation from non-resident living donors with or without a genetic or emotional link to the recipient who come lawfully (with a visa or other authorisation) to the country and wish to become living organ donors;

Considering that for a number of reasons – economic, emotional, cultural or physical – the detection of possible cases of human trafficking for the purpose of organ removal and/or trafficking in human organs may be particularly difficult when evaluating and accepting non-resident living donors;

Recognising that countries accepting non-resident living donors should ensure rigorous donor selection, evaluation and follow-up;

Considering that the non-resident living donor who travels from another country to donate is particularly vulnerable and that additional measures are needed to ensure their protection and care;

2. Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Republic of Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, “the former Yugoslav Republic of Macedonia”, Turkey, Ukraine and United Kingdom. Available at: http://ec.europa.eu/justice/data-protection/reform/files/regulation_oj_en.pdf

3. Available at <http://www.who.int/transplantation/TxGP08-en.pdf>

4. Adopted at the International Summit on Transplant Tourism and Organ Trafficking organised by the Transplantation Society and the International Society of Nephrology, Istanbul, Turkey, 30 April - 2 May 2008. Available at http://www.edqm.eu/medias/fichiers/The_Declaration_of_Istanbul.pdf

5. The Ethics Committee of the Transplantation Society: The Consensus Statement of the Amsterdam Forum on the Care of the Live Kidney Donor. Transplantation 78(4):491-92, 2004. Available at: http://journals.lww.com/transplantjournal/Fulltext/2004/08270/The_Consensus_Statement_of_the_Amsterdam_Forum_on.1.aspx

6. Report from the Amsterdam Forum On the Care of the Live Kidney Donor: Data and Medical Guidelines. Council of the Transplantation Society. Transplantation 79(6):S53-66, 2005. Available at: <https://www.ncbi.nlm.nih.gov/pubmed/15785361>

7. Report of the Vancouver Forum on the Care of the Live Organ Donor: Lung, Liver, Pancreas, and Intestine Data and Medical Guidelines. Barr ML, Belghiti J, Villamil FG, Pomfret EA, Sutherland DS, Gruessner RW. Available at: <https://www.livingdonorassistance.org/documents/Report%20of%20Vancouver%20Forum.pdf>

8. The Ethics Statement of the Vancouver Forum on the Live Lung, Liver, Pancreas, and Intestine Donor. Transplantation 81(10):1386-7, 2006. Available at: <https://www.livingdonorassistance.org/documents/Ethics%20Statement%20of%20Vancouver%20Forum.pdf>

9. Abecassis et al.: Consensus statement on the live organ donor. JAMA 284(22):2219-26, 2000

10. Available at https://www.edqm.eu/sites/default/files/position_paper_long_term_outcome_of_living_kidney_donation_2015.pdf

11. Available at <https://go.edqm.eu/OTg>

Considering that non-resident living donors, especially those from developing countries, may have limited resources or access to health care to ensure appropriate post-donation long term follow-up;

Recommends that the governments of States Parties to the Convention on the Elaboration of a European Pharmacopoeia take the necessary measures for the care and safeguard of the non-resident living donor, in accordance with the principles and practices set out in the appendix to this resolution.

Appendix to Resolution CM/Res(2017)1

INTRODUCTION

As a way to pursue self-sufficiency in transplantation, many countries are developing and optimising living donor programmes to complement the limited availability of organs from deceased donors, or as the only source of organs.

However a lack of or delay in access to a suitable donor has encouraged human and organ trafficking. There are growing reports of donors being coerced to consent to donation; or who are offered financial or equivalent inducements to be an organ donor. Living donors also have a greater potential to develop medical and psychosocial conditions in the short and the longer term without adequate follow-up. This has prompted the development of international recommendations and standards for the care and protection of the living donor to encourage countries to develop their own national legislation, better regulatory oversight and any necessary changes to policy and operational protocols.

Non-resident donors may be particularly vulnerable and assessing the validity of their consent to donation – which must be free, specific and informed – is vital but can be especially challenging. The donor, in exchange for some form of financial inducement to give consent, may have been given inadequate or insufficient information about the donation procedure, risks and potential consequences or they may have been subject to coercion to agree to donation. The donor may be presented falsely as having a genetic or emotional relationship with the recipient. They may be given poor or no post-operative care and long term follow-up. In spite of these risks, specific international recommendations on how to safeguard the non-resident living donor have not been developed.

Although many countries allow non-resident living donation, there are recognised variations in approach,

such as the data collected, the screening and consent process, the reimbursement of loss of earnings and justifiable expenses (such as travel and medical costs) related to the donation procedure, and access to post-operative follow-up care.

These concerns have prompted the European Committee on Organ Transplantation (CD-P-TO) of the Council of Europe, using as a basis the legal instruments and guidelines of the Council of Europe and other relevant organisations, to prepare guidance for member States on the principles and practices to safeguard the non-resident living donor. These measures should be put in place in conjunction with the existing national provisions to ensure the safety and well-being of living donors.

Work-up of the potential non-resident living donor before travel for donation

- The formal process of referral of the non-resident donor should be agreed between the transplant centre/hospital undertaking the donation and implantation procedure and the referring centre/hospital of the prospective living donor.
- Initial tests and evaluation to identify and rule out any obvious reasons that would contraindicate the donation should be performed preferably in the donor's own country. Exclusion criteria should include donor physical or mental health problems, social or behavioural issues or be based on ABO blood groups or Human Leukocyte Antigen (HLA) incompatibility between donor and recipient. These initial evaluations will reduce unnecessary travel or expenses if any obvious contraindications to donation are found.
- Arrangements for long-term follow-up once the living donor has returned home should be discussed to ensure that medical care is available. As recently stated in the CD-P-TO Position Paper on the long-term outcome of living kidney donation, if adequate long-term life-long follow-up cannot be guaranteed, the donor should not be accepted.¹²
- The process and level of reimbursement of justifiable expenses, including loss of income, incurred by the non-resident living donor should be discussed at an early stage to ensure the process is clear and cost-neutral for the donor. For the non-resident donor, reimbursement should include the initial assessment, testing and evaluation costs, travel, accommodation, loss of earnings, the cost of the donation procedure and the costs of any related treatment including that

12. Long-term Outcome of Living Kidney Donation: Position Paper of the European Committee on Organ Transplantation, Council of Europe. Transplantation. 2016 Feb;100(2):270.

of complications as a result of the donation.¹³ It should be clear from whom the reimbursement will be made (e.g. insurance companies, State funders or social security schemes). Similarly, regimes for the protection and indemnification of the non-resident donor should be in place in the event of undue damage resulting from the donation on their territory, on equal conditions with resident donors.

- Unless such basic health-related and administrative requirements are satisfied, non-resident living donors should be discouraged from leaving their country of residence for the transplanting country.

Lawful entry of the non-resident living donor

- Clear procedures should be established with relevant agencies for the lawful entry of the potential non-resident living donor (or the potential non-resident donor and recipient) into the country and exit post donation. In countries where authorisation or a visa is required, transplant centres/hospitals may need to work with the potential donor, recipient and referring centre/hospital to provide any necessary documentation to help facilitate entry into the country for a sufficient period of time to enable the living donor procedure and related post-operative recovery.

Further work-up of the potential non-resident living donor once in the country where the donation is expected to take place

- The work-up for donation should continue in the country where the transplant will take place. Specific medical tests, particularly from the infectious disease point of view, may be needed according to the epidemiology of the country of residence of the non-resident living donor.¹⁴
- Specific psychosocial evaluation pre-donation, intended to prevent donation from non-resident donors with significant risk of developing mental health disorders or psychological/social problems, and to avoid worsening their quality of life, should also be undertaken. The psychosocial evaluation should be aimed at: the assessment of the donor-recipient relationship; competency; knowledge and understanding of donation risks and benefits; psychological functioning, motivations and expectations; and social support.
- Procedures should be in place to verify the claimed relationship between the potential donor and the recipient, and, where it cannot be proven, the donation

should not proceed. Such checks should include official documents (e.g. birth certificates or marriage certificates) and affidavits by embassies or consulates, as needed. If the genetic relationship is not conclusively established after evaluating the documentary evidence, HLA testing should be performed. National legislations should clearly establish which relationships are acceptable and, in the case of non-resident living donors, they should preferentially be limited to first- or second-degree genetic relatives or spouses (or equivalent). In exceptional cases, other relationships may be accepted when they can be unequivocally verified and in accordance with national legislations.

- Consent (free, specific and informed) should be given and fully recorded. It should be made clear to the potential donor that consent may be withdrawn at any time before donation with no need for a specific formal procedure. Authorisation of the donation by an independent body should take place in line with the clinical and regulatory framework in place in the country where the transplant procedure will take place.
- Living donors should be provided with detailed information on the short and long-term medical and psychological risks for their own health and well-being; the potential risks and complications for the intended recipient; alternative treatments for the intended recipient; any information about contraindications that might prevent donation; and information about the possible use of the organ if it is procured but cannot be used for the intended recipient (e.g. transplant of the organ into another patient on the waiting list).
- Information about the donation procedure should be provided in a manner able to be fully understood by the potential non-resident living donor, relying on interpreters and culturally competent advocates where required, to ensure that any outstanding issue or concern is thoroughly addressed. Should an interpreter be required, the services should not be provided or arranged by the donor, the recipient or anyone in their entourage.
- Countries should ensure that living donor programmes include procedures for living donor assessment or advocacy, independent of the transplant team. This is particularly important for the non-resident donor. The living donor advocate should be an independent medical, psychosocial and legal counsellor, with

13. Recommendation No. S1 of 15 March 2012 concerning financial aspects of cross-border living organ donations. Available at: [http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32012H0810\(01\)](http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32012H0810(01))

14. Guide to the Quality and Safety of Organs for Transplantation, available at <https://go.edqm.eu/OTg>

neither time constraints nor interests shared with any party. Donor advocacy has the dual purpose of supporting the potential donor and ensuring the legal safeguards are followed, for example by assessing the donor's motivation to donate. This will help confirm that the donor is giving free, specific and informed consent; ensuring that they fully understand the process and the risks; confirming that they are not being pressurised – emotionally, physically or economically – into consent for donation; and that the donor, or a third party, has not been offered or received any financial gain or comparable advantage for the donation. To undertake the assessment, the potential donor and recipient should be interviewed together and separately by a trained assessor independent of the transplant team, taking into account any language and cultural requirements.

- National protocols should specify the action(s) to be taken, in addition to deferral of donation, should a suspicion of organ trafficking or trafficking in human beings for the purpose of organ removal arise. This could include reporting the case to the national regulator and/or the law enforcement authority. Official international data sharing may prevent further attempts to perform the illicit organ procurement from the same donor or from a different unsuitable organ donor for the same recipient or by the same criminal network for a different donor-recipient pair at a different location.

Organ procurement from the non-resident living donor and follow-up

- The initial follow-up of the non-resident living donor – both medical and psychosocial – should be undertaken by the transplant centre/hospital as part

of the post-surgery rehabilitation. Arrangements for long-term follow-up should have been discussed as part of the initial work-up and consent process, to ensure that medical care is available once the living donor has returned home.

- The non-resident living donor should be provided complete medical records to ensure continuity of care once they return to their country of residence.

RECORDING THE DONATION

National Living Donor Registries should be established in all countries to enable transparency, traceability, data analysis and improvement to clinical practice. These registries should include data on the donor and recipient, the hospital(s) involved, the surgical procedure and the follow-up of the donor.^{15,16} All donation procedures, including those involving non-resident living donors, should be recorded in such Living Donor Registries.

For the non-resident living donor, donor information from the transplant centre/hospital that has performed the donation or from the Living Donor Registry of the country where the procedure took place should be shared with the country of origin of the non-resident living donor, for example, with the healthcare professional or hospital continuing the follow-up care of the non-resident living donor, the referring hospital, the national transplant organisation, the Ministry of Health and/or with the national Living Donor Registry. This data sharing, which should be done in conformity with national and international data protection rules and other applicable legislation, will ensure connection between traceability and biovigilance systems of both countries and continuity of care for the donor.

Resolution CM/Res(2017)2 on establishing procedures for the management of patients having received an organ transplant abroad upon return to their home country to receive follow-up care

*(Adopted by the Committee of Ministers on 14 June 2017
at the 1289th meeting of the Ministers' Deputies)*

The Committee of Ministers, in its composition restricted to the representatives of States Parties to the Convention on the Elaboration of the European Pharmacopoeia (ETS No. 50),¹

Considering that the aim of the Council of Europe is to achieve greater unity between its member States and that this aim may be pursued, *inter alia*, by the adoption of common action in the health field;

Having regard to Resolution Res(78)29 on the harmonisation of legislation of member States related to removal, grafting and transplantation of human substances and the final text of the 3rd Conference of European Health Ministers (Paris, 16-17 November 1987);

Having regard to the Convention on Human Rights and Biomedicine (ETS No. 164) and in particular to Articles 19 and 20 thereof;

Having regard to the Additional Protocol to the Convention on Human Rights and Biomedicine concerning the Transplantation of Organs and Tissues of Human Origin (ETS No. 186) and the Explanatory Report thereof, in particular Chapter III – Organ and tissue removal from living persons, Article 9 – General rule;

Having regard to the Convention on Action against Trafficking in Human Beings (CETS No. 197);

Having regard to the Convention against Trafficking in Human Organs (CETS No. 216);

Having regard to the Convention for the Protection of Individuals with regard to Automatic Processing of Personal Data (ETS No. 108) and its Additional Protocol on Supervisory Authorities and Transborder Data Flows (ETS No. 181);

Recalling Recommendation Rec(2004)7 on organ trafficking;

Recalling its Resolution CM/Res(2013)55 on establishing procedures for the collection and dissemination of data on transplantation activities outside a domestic transplantation system;

Recalling its Resolution CM/Res(2015)11 on establishing harmonised national living donor registries with a view to facilitating international data sharing;

Taking into account the Directive 2010/53/EU of the European Parliament and of the Council on standards of quality and safety of human organs intended for transplantation;

Taking into account Commission Implementing Directive 2012/25/EU of 9 October 2012 laying down information procedures for the exchange, between member States, of human organs intended for transplantation;²

1. Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Republic of Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, "the former Yugoslav Republic of Macedonia", Turkey, Ukraine and United Kingdom.

2. Available at: http://ec.europa.eu/health/blood_tissues_organ/docs/organs_impl_directive_2012_en.pdf

Taking into account Regulation (EU) 2016/679 of the European Parliament and the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation), and in particular Article 9 points (h) and (i), which contain provisions allowing for processing of health data “for the purposes of preventive or occupational medicine, [...] medical diagnosis, the provision of health or social care or treatment or the management of health or social care systems and services [...]” and “for reasons of public interest in the area of public health [...] or ensuring high standards of quality and safety of health care and of medicinal products or medical devices, on the basis of Union or member State law which provides for suitable and specific measures to safeguard the rights and freedoms of the data subject, in particular professional secrecy”;³

Taking into account the WHO Guiding Principles on Human Cell, Tissue and Organ Transplantation adopted by the World Health Assembly in May 2010,⁴ and in particular Guiding Principles 10 and 11, which call for health authorities to ensure traceability and vigilance and to monitor results of both living donation and transplantation;

Aware that, in exceptional circumstances, some patients may be properly referred for transplantation abroad by their treating physicians for medical, organisational (e.g. co-operation agreements between countries) or social reasons (e.g. to facilitate family support);

Aware that organ shortage, or lack of access to a deceased donor programme, have also encouraged organ trafficking and human trafficking for the purpose of organ removal, often involving patients seeking to receive an organ transplant abroad;

Taking into account the Declaration of Istanbul on Organ Trafficking and Transplant Tourism, adopted in 2008,⁵ which defines that travel for transplantation becomes transplant tourism – and ethically unacceptable – if it involves organ trafficking, human trafficking for the purpose of organ removal or if the resources devoted to providing transplants to patients from outside a country (may they be organs, professionals, and transplant centres) undermine the country’s ability to provide transplant services for its own population;

Taking into account the Declaration of Istanbul Custodian Group guidelines on ethical travel for transplantation;

Taking into account the Resolution of Madrid,⁶ calling for all States to strive towards self-sufficiency in organ transplantation;

Taking into account the Statement of the Pontifical Academy of Sciences Summit on Organ Trafficking and Transplant Tourism;⁷

Considering that patients having received an organ transplant abroad, should it have been through proper travel for transplantation or through transplant tourism, typically return to their country of origin shortly after the transplantation procedure to receive post-transplantation care;

Considering that patients having received an organ transplant abroad as a result of transplant tourism are much more likely to suffer serious complications or life-threatening conditions, particularly infections caused by opportunistic pathogens, microorganisms not previously seen in their home country or multidrug resistant organisms which entail a risk not only to themselves but to public health;

Aware that systematic and appropriate registration of patients who undergo organ transplantation within a jurisdiction allows traceability of organs from donors to recipients and *vice versa*, as well as vigilance and surveillance, and enables the evaluation of the long-term outcomes of transplantation, the minimisation of public health risks and the detection of cases that may raise ethical and/or criminal concerns;

Considering that the principles of transparency, traceability and continuity of care are desirable not only for patients having received an organ transplant domestically but also for those having received a transplant abroad;

Considering that the quality of care provided to patients having received an organ transplant abroad would be enhanced upon registration in national transplant registries and by ensuring connection between traceability and biovigilance systems which would allow to have up-to-date epidemiological information and to provide personalised care depending on the country where the patient has received the organ transplant;

3. Available at: http://ec.europa.eu/justice/data-protection/reform/files/regulation_oj_en.pdf

4. Available at: <http://www.who.int/transplantation/TxGP08-en.pdf>

5. Adopted at the International Summit on Transplant Tourism and Organ Trafficking organised by the Transplantation Society and the International Society of Nephrology, Istanbul, Turkey, 30 April-2 May 2008. Available at: http://www.edqm.eu/medias/fichiers/The_Declaration_of_Istanbul.pdf

6. The Madrid resolution on organ donation and transplantation, Transplantation, 2011, vol. 91 (pg. S29-31)

7. Available at: http://www.pas.va/content/accademia/en/events/2017/organ_trafficking/statement.html

Considering that currently patients who receive a transplant abroad are not systematically recorded in national registries in most member States and that their care is circumscribed to the attention that may be provided by their treating physician upon return home;

Considering that the international exchange of information about patients who receive a transplant abroad will help to better understand and analyse the phenomenon of travel for transplantation and to identify possible hotspots of transplant tourism that deserve careful investigation by the concerned countries;

Aware that procedures established for the management of patients who receive an organ transplant abroad, similarly to those procedures established for the management of patients who receive an organ transplant domestically, should respect the professional obligations of healthcare professionals towards patients and be in conformity with national and international data protection rules and other applicable national legislation, especially national transplantation law;

Aware that information collected from patients who receive a transplant abroad in circumstances that may be consistent with organ trafficking and/or human trafficking for the purpose of organ removal can provide the basis to initiate and/or co-operate in criminal investigations and help to detain and combat illicit practices;

Recommends to the governments of States Parties to the Convention on the Elaboration of a European Pharmacopoeia:

1. to provide the resources and the means to progress towards self-sufficiency in transplantation at a national level – with regional co-operation as appropriate – by reducing the need for transplants through preventive measures and improving access to national transplant programmes in an ethical and regulated manner;
2. to ensure that patients having received an organ transplant abroad are promptly referred for evaluation at a transplant centre, where the best available expertise and knowledge will be available to guarantee appropriate screening and care of these patients;
3. to ensure that specific guidelines and training for the evaluation and management of patients who have received an organ transplant abroad, particularly addressing infectious diseases, is provided to healthcare professionals at transplant centres;
4. to ensure that patients having received an organ transplant abroad receive the necessary medical

care upon their return to their home country, which should be the same as that provided to any other patient having received an organ transplant domestically;

5. to ensure that the same data routinely collected by healthcare professionals and recorded in national transplant registries on patients having received an organ transplant domestically, including long-term follow-up information, are also routinely collected for patients having received an organ transplant abroad;
6. to support and promote communication and collaboration between transplantation centres, and where relevant, health authorities from the country where the transplantation procedure took place and where the patient returns to receive follow-up care. While respecting the privacy of the patient and professional obligations to patients, in conformity with national and international data protection rules and other applicable legislation, the data to be shared should include at least the date of the procedure, city and hospital where the procedure took place and type of organ transplanted. This exchange would ensure transparency of practices, the establishment of links between the traceability and biovigilance systems of both countries and guarantee the best possible care is provided to the patient and, as relevant, to the living donor or to the recipients of other organs and tissues from the same deceased donor;
7. to increase awareness among healthcare professionals on organ trafficking and/or human trafficking for the purpose of organ removal and support the development of clear protocols to identify patients who may have received an organ transplant abroad in circumstances consistent with organ trafficking and/or human trafficking for the purpose of organ removal;
8. to develop a framework for healthcare and other professionals to communicate information about suspected or confirmed events of organ trafficking and/or human trafficking for the purpose of organ removal to the appropriate national authorities, while respecting their professional obligations to patients. The decision in a member State may range from developing legislation and mechanism that provide for a (voluntary or mandatory) non-anonymised reporting of detected or suspicious events to the appropriate national authorities, to a (voluntary or mandatory) reporting of anonymised data that reveals

information on entities, hospital or professional engaged in illegitimate transplantation but not the identities of the patients concerned;

9. to take the necessary steps to ensure that national healthcare systems and/or insurance providers do not cover the costs of transplant procedures performed abroad involving organ trafficking and/or human trafficking for the purpose of organ removal;

10. to facilitate a comprehensive international collection of information by regularly reporting anonymised activity data on patients having received an organ transplant abroad to the Secretariat of the European Committee on Organ Transplantation (CD-P-TO) of the Council of Europe with a view to analysing and discussing such results within the CD-P-TO and informing member States.

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