



2009 INTERNATIONAL DONATION AND TRANSPLANTATION ACTIVITY. IRODaT PRELIMINARY DATA

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The International Registry of Organ Donation and Transplantation - IRODaT is glad to present you the preliminary results of the international organ donation and transplantation activity developed during 2009.

In every issue of *Organs, Tissues & Cells* of the coming year, these preliminary data will be updated and completed. Through a network of key professionals in different countries, updating until completion is guaranteed over the next months. These professionals are mostly transplant coordinators and /or experts from national organizations, responsible for collecting such data.

In the following tables the countries are listed in alphabetical order and the data are displayed in absolute numbers as well as per million of population (PMP) per country.

Preliminary data show 35 countries worldwide. In the next issues these data will be completed up to about 60 countries worldwide.

IRODaT - 2009	Australia	Bangladesh	Brazil	Colombia	Croatia	Cyprus	Czech Rep	Denmark	Ecuador
ORGANS									
Organ Donation									
Total Deceased Donors	247		1658	511	77	8	200	77	
Total Deceased Donors PMP	11.3		8.7	11.4	17.4	11.5	19.2	13.9	
Donors after Cardiac Death	42		0	0	0		0		
Donors after Cardiac Death PMP	1.9		0	0	0		0		
Living Donors	327	130	1839	75	15	20	27		37
Living Donors PMP	14.9	0.9	9.7	1.7	3.4	28.6	2.6		2.9
Domino Donors	1		0	0	0		0		
Domino Donors PMP	0.04		0	0	0		0		
Organ Transplantation dec. donors									
Kidney Tx	446		2524	801	156	35	344	141	37
Kidney Tx PMP	20.4		13.3	17.8	35.2	50	32.9	25.6	2.8
Double Kidney Tx	6		1	1			2		
Double Kidney Tx PMP	0.3		0.02	0.2	0.2		0.2		
Whole Liver Tx	155		1197	230	59		101	39	1
Whole Liver Tx PMP	7.1		6.3	5.1	13.3		9.6	7.1	0.1
Split Liver Tx	30		2	1			1		
Split Liver Tx PMP	1.4		0.04	0.2	0.2		0.1		
Heart Tx	61		200	49	20		80	27	1
Heart Tx PMP	2.8		1.1	1.1	4.5		7.6	4.9	0.1
Lung Tx	114		34	6	0		22	7	
Lung Tx PMP	5.2		0.2	0.1	0		2.1	1.3	
Double Lung Tx	103		28	6	0		12	22	
Double Lung Tx PMP	4.7		0.2	0.1	0		1.1	4	
Pancreas Tx	37		158	10	13		28		
Pancreas Tx PMP	1.7		0.8	0.2	2.9		2.7		
Kidney Pancreas Tx	36		118	8	13		26		
Kidney Pancreas Tx PMP	1.6		0.6	0.2	2.9		2.5		
Kidney Liver Tx	4		11	1			3		
Kidney Liver Tx pmp	0.2		0.2	0.2	0.2		0.3		
Heart Lung Tx	2		1	0	0		0	0	
Heart Lung Tx PMP	0.1		0.02	0	0		0	0	
Organ Transplantation living donors									
Kidney living	324	130	1717	67	13	20		90	25
Kidney living PMP	14.8	0.9	9	1.5	2.9	28.6		16.3	1.9
Liver living	2		121	8	2			0	
Liver living PMP	0.1		0.6	0.2	0.5			0	
Liver Domino transplants	1		0	0	0				
Liver Domino transplants PMP	0.04		0	0	0				



TPM

IRODaT - 2009	Estonia	Finland	Georgia	Germany	Iceland	Iran	Ireland	Italy	Japan
ORGANS									
Organ Donation									
Total Deceased Donors	33	94		1217	6	211	70	1272	105
Total Deceased Donors PMP	24.6	17.6		14.9	18.8	2.9	16.5	21.3	0.8
Donors after Cardiac Death	0			0		0	0	2	98
Donors after Cardiac Death PMP	0			0		0	0	0.03	0.8
Living Donors	4					1327	0	253	
Living Donors PMP	3					18	0	4.2	
Domino Donors	0					0	0	1	
Domino Donors PMP	0					0	0	0.02	
Organ Transplantation dec. donors									
Kidney Tx	53	174		2172		393	0	1521	182
Kidney Tx PMP	39.6	32.6		26.5		5.3	0	25.5	1.4
Double Kidney Tx	0			20		0	0	130	
Double Kidney Tx PMP	0			0.2		0	0	2.2	
Whole Liver Tx	4	48		1018		166	63	984	7
Whole Liver Tx PMP	3	9		12.4		2.2	14.9	16.5	0.1
Split Liver Tx	0			100		3	0	76	
Split Liver Tx PMP	0			1.2		0.1	0	1.3	
Heart Tx	0	13		357		45	7	356	6
Heart Tx PMP	0	2.4		4.4		0.6	1.7	6	0.04
Lung Tx	0			272		2	2	44	8
Lung Tx PMP	0			3.3		0.1	0.5	0.7	0.1
Double Lung Tx	0	14		233		4	1	67	1
Double Lung Tx PMP	0	2.6		2.8		0.1	0.2	1.1	0
Pancreas Tx	0			115		10	0	72	7
Pancreas Tx PMP	0			1.4		0.1	0	1.2	0.1
Kidney Pancreas Tx	0			103		0	0	58	7
Kidney Pancreas Tx PMP	0			1.3		0	0	1	0.1
Kidney Liver Tx	0	1		34		0	0	20	0
Kidney Liver Tx pmp	0	0.2		0.4		0	0	0.3	0
Heart Lung Tx	0	0		16		1	0	1	1
Heart Lung Tx PMP	0	0		0.2		0.01	0	0.02	0
Organ Transplantation living donors									
Kidney living	4	6	9		7	1300	0	120	991
Kidney living PMP	3	1.1	2		21.9	17.5	0	2	7.9
Liver living	0					27	0	14	463
Liver living PMP	0					0.4	0	0.2	3.7
Liver Domino transplants	0					0	0	1	
Liver Domino transplants PMP	0					0	0	0.02	

IRODaT - 2009	Latvia	Lithuania	Malaysia	Malta	New Zealand	Norway	Poland	Saudi Arabia
ORGANS								
Organ Donation								
Total Deceased Donors	34	50	39	8	43	102	420	82
Total Deceased Donors PMP	14.8	14.7	1.4	20	10	21.1	11	3.3
Donors after Cardiac Death	13		20	0	2		0	0
Donors after Cardiac Death PMP	5.7		0.7	0	1.5		0	0
Living Donors	6	9	35	5	75		45	341
Living Donors PMP	2.6	2.6	1.3	12.5	17.4		1.2	13.8
Domino Donors	0						0	0
Domino Donors PMP	0			0	0		0	0
Organ Transplantation dec. donors								
Kidney Tx	64	75	34	6	54	188	782	114
Kidney Tx PMP	27.8	22.1	1.3	15	12.5	39	20.5	4.5
Double Kidney Tx	0	0	1	0	2		4	1
Double Kidney Tx PMP	0	0	0.04	0	0.5		0.1	0.04
Whole Liver Tx	0	7	5	0	33	82	214	51
Whole Liver Tx PMP	0	2.1	0.2	0	7.6	17	5.6	2.1
Split Liver Tx	0	0	1	0	0		0	0
Split Liver Tx PMP	0	0	0.04	0	0		0	0
Heart Tx	1	8	1	1	11	27	71	15
Heart Tx PMP	0.4	2.4	0.04	2.5	2.5	5.6	1.9	0.6
Lung Tx	0	3		0	16	0	10	4
Lung Tx PMP	0	0.9	0	0	3.7	0	0.3	0.2
Double Lung Tx	0	3	0	0	15	24	1	0
Double Lung Tx PMP	0	0.9	0	0	3.5	5	0.03	0
Pancreas Tx	0	4	0	0	2	16	20	2
Pancreas Tx PMP	0	1.2	0	0	0.5	3.3	0.5	0.1
Kidney Pancreas Tx	0	4	0	0	2	16	20	2
Kidney Pancreas Tx PMP	0	1.2	0	0	0.5	3.3	0.5	0.1
Kidney Liver Tx	0	0	0	0	0		5	0
Kidney Liver Tx pmp	0	0	0	0	0		0.1	0
Heart Lung Tx	0	1		0	0	0	0	0
Heart Lung Tx PMP	0	0.3	0	0	0	0	0	0
Organ Transplantation living donors								
Kidney living	6	9	35	5	67	104	23	283
Kidney living PMP	2.6	2.6	1.3	12.5	15.5	21.6	0.6	11.4
Liver living	0	0			8		22	58
Liver living PMP	0	0	0	0	1.9		0.6	2.3
Liver Domino transplants	0	0		0	0		0	0
Liver Domino transplants PMP	0	0	0	0	0		0	0



IRODaT - 2009	Singapore	Spain	Sweden	Switzerland	Trin Tobago	UK	Ukraine	Uruguay	USA
ORGANS									
Organ Donation									
Total Deceased Donors	23	1606	128	103	0	931	25	64	6742
Total Deceased Donors PMP	4.6	34.4	13.8	13.3	0	15.5	0.5	19.4	21.9
Donors after Cardiac Death	3	108		0	0	316	1	0	
Donors after Cardiac Death PMP	0.6	2.3		0	0	5.2	0	0	
Living Donors	33	264		109	16	985	99	7	5443
Living Donors PMP	6.6	5.7		14	13.3	16.4	2.2	2.1	17.6
Domino Donors	0	8		1	0	3	0	0	
Domino Donors PMP	0	0.2		0.1		0.04	0	0	
Organ Transplantation dec. donors									
Kidney Tx	41	2093	229	189	0	1425	24	108	8812
Kidney Tx PMP	8.2	44.8	24.7	24.3	0	23.7	0.5	32.7	28.6
Double Kidney Tx	1	18		0	0	14	0	0	
Double Kidney Tx PMP	0.2	0.4		0	0	0.2	0	0	
Whole Liver Tx	17	1070	137	91	0	638	1	8	5124
Whole Liver Tx PMP	3.4	22.9	14.7	11.7	0	10.6	0.2	2.4	16.6
Split Liver Tx	1	7		5	0	95	0	0	
Split Liver Tx PMP	0.2	0.2		0.6	0	1.6	0	0	
Heart Tx	5	274	55	30	0	134	0	7	1852
Heart Tx PMP	1	5.9	5.9	3.9	0	2.2	0	2.1	6
Lung Tx	0	93	16	1	0	39	0	0	
Lung Tx PMP	0	1.9	1.72	0.1	0	0.6	0	0	
Double Lung Tx	0	126	34	38	0	106	0	0	1391
Double Lung Tx PMP	0	2.7	3.7	4.9	0	1.8	0	0	4.5
Pancreas Tx	97	20	10	0	0	207	0	5	325
Pancreas Tx PMP	2.1	2.2	1.3	0	0	3.4	0	1.5	1.1
Kidney Pancreas Tx	82	18	9	0	0	159	0	5	724
Kidney Pancreas Tx PMP	1.8	1.9	1.1	0	0	2.6	0	1.5	2.3
Kidney Liver Tx	27	4	6	0	0	15	0	0	302
Kidney Liver Tx pmp	0.6	0.4	0.8	0	0	0.2	0	0	1
Heart Lung Tx	1	1		0	0	3	0	0	23
Heart Lung Tx PMP	0.03	0.1		0	0	0.04	0	0	0.1
Organ Transplantation living donors									
Kidney living	27	235	164	102	16	962	87	7	5247
Kidney living PMP	5.4	5	17.7	13	13.3	16	1.9	2.1	17
Liver living	6	29	2	6		23	12	0	192
Liver living PMP	1.2	0.6	0.2	0.8		0.4	0.3	0	0.6
Liver Domino transplants		11		1		3	0	0	
Liver Domino transplants PMP		0.2		0.1		0	0	0	

New countries are invited to participate in the project once they start to announce their organ donation activity among the international community. Please contact irodat@il3.ub.edu and we will be pleased to include your information in the IRODaT database. Furthermore, specific requests can be sent to this contact address in order to obtain more detailed information.



Data included in this publication depend on the reporters from each country or official websites' information displayed on the 30th of January 2010. If you need further information about the numbers, please contact the data responsible. In this issue, national data have been provided by:

Country	Organization	Data Responsible
Australia	Australia & New Zealand Organ Donation Registry	Leonie Excell
Bangladesh	Kidney Foundation	Harun Ur Rashid
Brazil	Brazilian Society for Organ Transplantation	Valter Duro Garcia
Colombia	Red de Donación y Trasplantes	Maria Angélica Salinas Novas
Croatia	Ministry of Health and Social Welfare	Mirela Busic
Cyprus	Paraskevaidio Surgical and Transplant Center	George Kyriakides
Czech Republic	Czech National Transplant Coordinating Centre	Pavel Brezovsky
Denmark	Scandiatransplant	Scandiatransplant on-line preliminary data
Ecuador	Organismo Nacional de Trasplantes de Órganos y Tejidos	Cristina Mera
Estonia	Tartu University Hospital	Pärt Prommik
Finland	Scandiatransplant	Scandiatransplant on-line preliminary data
Georgia	Georgian Association of Transplantologists	Gia Tomadze
Germany	Deutsche Stiftung Organtransplantation - DSO	Birgit Blome
Iceland	Scandiatransplant	Scandiatransplant on-line preliminary data
Iran	Department of Transplantation	Alireza Heidary Rouchi
Ireland	NHS Blood and Transplant	Phil Pocock
Italy	Centro Nazionale Trapianti - CNT	Andrea Ricci
Japan	Japan Organ Transplant Network, Japan Society for Transplantation	Juntaro Ashikari
Latvia	Balt Transplant – Latvian Subdivision	Sergej Trushkov
Lithuania	National Transplant Bureau / Ministry of Health	Dainora Medeisiene, Vita Anulyte
Malaysia	National Transplant Resource Centre	Jamaliah Kario
Malta	Mater Dei Hospital	Anthony Bugeja
New Zealand	Australia & New Zealand Organ Donation Registry	Leonie Excell
Norway	Scandiatransplant	Scandiatransplant on-line preliminary data
Poland	Polish Transplant Coordinating Centre - Poltransplant	Janusz Walaszewski
Saudi Arabia	Saudi Centre for Organ Transplantation	Besher A. Al-Attar
Singapore	National Organ Transplant Unit	Sally Kong
Spain	Organización Nacional de Trasplantes - ONT	Rafael Matesanz
Sweden	Scandiatransplant	Scandiatransplant on-line preliminary data
Switzerland	Swisstransplant	Dagmar Vernet
Trinidad & Tobago	National Organ Transplant Unit Trinidad & Tobago	Heather Johnson
Ukraine	National Institute of Surgery and Transplantology	Andriy Kostenko
United Kingdom	NHS Blood and Transplant	Phil Pocock
Uruguay	Instituto Nacional de Donación y Trasplante	Inés Álvarez
USA	UNOS - OPTN	UNOS - OPTN on-line preliminary data

We remind you that the IRODaT database is hosted on the TPM website www.tpm.org. Its access is open to any Internet user, becoming a free and easy space where most updated information about the organ donation and transplantation activity from more than 80 countries around the world can be directly consulted.