



ERA
Registry
Annual
Report
2021

Suggested Citation Brittany A Boerstra, Rianne Boenink, Megan E Astley, Marjolein Bonthuis, Samar Abd ElHafeez, Federico Arribas Monzón, Anders Åsberg, Pazit Beckerman, Samira Bell, Aleix Cases, Pablo Castro de la Nuez, Marc A G J ten Dam, Alicja Debska-Slizien, Nicola Gjorgjievski, Rebecca Guidotti, Jaakko Helve, Kristine Hommel, Alma Idrizi, Ólafur S Indriðason, Faïçal Jarraya, Julia Kerschbaum, Kirill S Komissarov, Nadiia Kozliuk, Milica Kravljaca, Mathilde Lassalle, Johan M De Meester, Mai Ots-Rosenberg, Zoe Plummer, Danilo Radunovic, Olena Razvazhaieva, Halima Resic, Olga Lucía Rodríguez Arévalo, Carmen Santiuste de Pablos, Nurhan Seyahi, María Fernanda Slon-Roblero, Maria Stendahl, Miloreta Tolaj-Avdiu, Sara Trujillo-Alemán, Ieva Ziedina, Edita Ziginskiene, Alberto Ortiz, Kitty J Jager, Vianda S Stel, Anneke Kramer. **The ERA Registry Annual Report 2021: a summary**. Clinical Kidney Journal, Volume 17, Issue 2, February 2024, sfad281, <https://doi.org/10.1093/ckj/sfad281>.

Disclaimer ERA, its Registry Committee, Amsterdam UMC; location AMC, and its department of Medical Informatics disclaim any express or implied warranty of fitness for the use of ERA Registry products and shall not be liable for any direct, indirect or consequential loss; personal injury; special or punitive damages; loss of profits, loss of savings and loss of revenue; loss of business, loss of reputation and loss of goodwill; and loss of data arising from the use of ERA Registry products.

ERA Registry
Annual Report 2021

ERA Registry

Amsterdam UMC, location AMC
Department of Medical Informatics
PO Box 22700
1100 DE Amsterdam
the Netherlands

E-mail erareg@amsterdamumc.nl

Website www.era-online.org/research-education/era-registry

ERA Registry Committee

C Wanner, Germany (ERA President)

A Ortiz, Spain (Chairman)

P Ambühl, Switzerland

M Arici, Turkey

M Arnol, Slovenia

S Bakkaloglu, Turkey

PM Ferraro, Italy

J Helve, Finland

JE Sánchez-Álvarez, Spain

M Segelmark, Sweden

SS Sørensen, Denmark

E Vidal, Italy

ERA Registry Office Staff

VS Stel, senior epidemiologist (Director)

ME Astley, PhD student

R Boenink, epidemiologist

BA Boerstra, PhD student

M Bonthuis, epidemiologist

IH van den Brand, management assistant

NC Chesnaye, epidemiologist

R Cornet, senior medical informatician (advisor)

KJ Jager, senior epidemiologist

A Kramer, senior medical informatician

AJ Weerstra, software engineer

Acknowledgements

The ERA Registry would like to thank the patients and staff of all the dialysis and transplant units who have contributed data via their national and regional renal registries. In addition, we would like to thank the following persons and organizations for their contribution to the work of the ERA Registry.

For the provision of individual patient data

Registry	Contributors
Austria	J Kerschbaum, D Kaiser-Feistmantl, L Buchwinkler, and G Mayer
Belgium, Dutch-speaking	L Heylen, V De Meyer, and J De Meester
Belgium, French-speaking	JM des Grottes and F Collart
Bosnia and Herzegovina	H Resic, B Jakovljevic, and Z Kelava
Denmark	K Hommel
Estonia	Ü Pechter, M Ots-Rosenberg, and K Lilienthal
Finland	J Helve
France (26 of 27 regions)	M Lassalle and C Couchoud
Greece	G Moustakas
Iceland	OS Indridason and R Palsson
Montenegro	M Ratkovic, D Radunović, and F Tomović
Norway	AV Reisæter and A Åsberg
Romania	G Mircescu, L Garneata, and E Podgoreanu
Serbia	M Lausevic, M Kravljaca, and all dialysis units in Serbia
Spain, Andalusia	P Castro de la Nuez (on behalf of all users of SICATA)
Spain, Aragon	F Arribas Monzón
Spain, Asturias	MR Camblor, JR Quirós, and RERCA working group
Spain, Basque country	Á Magaz, J Aranzabal, M Rodrigo, and I Moína
Spain, Canary Islands	S Trujillo Alemán, C García Cantón, and D Marrero Miranda
Spain, Cantabria	JC Ruiz San Millán
Spain, Castile and León	P Ucio Mingo, M Prieto Velasco, and MÁ Palencia García
Spain, Castile-La Mancha	G Gutiérrez Ávila and I Moreno Alía
Spain, Catalonia	J Tort, J Comas, and M Vázquez
Spain, Community of Madrid	MI Aparicio Madre and F Tornero Molina
Spain, Extremadura	All the renal units (Nephrology and Dialysis) from Extremadura
Spain, Galicia	E Bouzas-Caamaño
Spain, La Rioja	E Huarte Loza, M Artamendi Larrañaga, and H Hernández Vargas
Spain, Murcia	I Marín Sánchez and C Santiuste de Pablos
Spain, Navarre	MF Slon Roblero and J Manrique Escola
Spain, Valencian region	OL Rodríguez-Arévalo and O Zurriaga
Sweden	KG Prütz, M Stendahl, M Evans, T Lundgren, H Rydell, and M Segelmark
Switzerland	P Ambühl and R Guidotti
the Netherlands	P Verschoor, L Heuveling, and M ten Dam
United Kingdom, England/Northern Ireland/Wales	All the staff of the UK Renal Registry and of the renal units submitting data
United Kingdom, Scotland	All of the Scottish renal units

For the provision of aggregated data

Registry	Contributors
Albania	A Idrizi, M Rroji, and E Likaj
Belarus	K Komissarov, K Kamisarau, and A Kalachyk
Croatia	D Katicic and K Altabas
Cyprus	S Glyki, E Magiroudi, and A Savvidou
Czech Republic	F Lopot, I Rychlík, and L Francová
Hungary	I Kulcsar, L Wagner, and L Rosivall
Israel	P Beckerman, L Keinan-Boker, and R Dichtiar
Italy (7 of 20 regions)	M Nordio, M Postorino, and A Limido
Kosovo	S Selmani and M Tolaj-Avdiu
Latvia	V Kuzema, A Popova, and A Pētersons
Lithuania	I Nedzelskiene, V Vainauskas, and E Ziginiskiene
North Macedonia	N Gjorgjievski and I Rambabova Bushljetikj
Poland	A Debska-Slizien, P Jagodzinski, and R Gellert
Portugal	A Galvão and A Ferreira
Slovakia	I Lajdova, V Spustova, and A Oksa
Spain	B Mahillo Durán and Spanish Regional Registries
Tunisia, Sfax region	F Jarraya and D Zalila
Turkey	N Seyahi, K Ates, and G Süleymanlar
Ukraine	M Kolesnyk, O Razvazhaieva, and N Kozliuk

In addition, we would like to thank Samar Abd ElHafeez in the AMC ERA Registry office for her contribution to the data collection and management.

The ERA Registry is funded by the European Renal Association (ERA).

List of abbreviations

Abbreviation	Term
APD	Automated peritoneal dialysis
CAKUT	Congenital anomalies of the kidney and urinary tract
CAPD	Continuous ambulatory peritoneal dialysis
CI	Confidence interval
DM	Diabetes mellitus
ERA	European Renal Association
ESPN	European Society for Paediatric Nephrology
ESRD	End-stage renal disease
ESRF	End-stage renal failure
GN	Glomerulonephritis / sclerosis
HD	Haemodialysis
HDF	Haemodiafiltration
HF	Haemofiltration
HT	Hypertension
HUS	Haemolytic uraemic syndrome
KRT	Kidney replacement therapy
Misc	Miscellaneous
N	Number
P25	Refers to the 25th percentile
P75	Refers to the 75th percentile
PD	Peritoneal dialysis
PKD	Polycystic kidneys, adult type
Pmarp	Per million age-related population
Pmp	Per million population
PN	Pyelonephritis
PRD	Primary renal disease
RVD	Renal vascular disease
SD	Standard deviation
Tx	Transplant
Un	Unknown
Unkn	Unknown

Glossary

EU28: refers to the 28 countries of which on 1st July 2013 the European Union was comprised of. These countries are: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, and the United Kingdom.

Eurostat: the statistical office of the European Union whose task is to provide the European Union with statistics at the European level that enable comparisons between countries and regions.

Expected remaining lifetime: is defined as the average number of years of life remaining for those who have reached a given age.

Incidence: the number of new cases during a specific time period. In this annual report this equates to the number of patients commencing kidney replacement therapy for end-stage renal disease during the calendar year on which this annual report is based.

Kidney replacement therapy (KRT): therapy used to replace the normal blood-filtering function of the kidneys. In this annual report kidney replacement therapy refers to the various dialysis modalities and to kidney transplantation (see Modality).

Modality: the method of kidney replacement therapy. Kidney replacement therapy is comprised of the following modalities: haemodialysis (HD), haemofiltration (HF), haemodiafiltration (HDF), automated peritoneal dialysis (APD), continuous ambulatory peritoneal dialysis (CAPD), and kidney transplantation (Tx). Kidney transplantation can be performed with a kidney from a living donor (LD) or from a deceased donor (DD).

Per million age-related population (pmarp): the incidence or prevalence pmarp is the observed incident or prevalent count for a specific age group divided by the general population of that age group and multiplied by one million.

Per million population (pmp): the incidence or prevalence pmp is the observed incident or prevalent count divided by the general population in that year and multiplied by one million.

Percentage coverage: coverage of the general population in a country or region by the registry of that country or region.

Prevalence: the number of people in a given population with a particular disease at a given time. In this annual report this equates to the number of patients receiving kidney replacement therapy for end-stage renal disease on 31st December 2021.

Survival probability: the probability that a person or a kidney transplant has survived up to a specified time point.

Brief content

Introduction	11
Section A: Summary data and comparisons by treatment modality	14
A1 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 1	15
A2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 91	20
A3 PREVALENT PATIENTS ON KRT IN 2021	21
A4 KIDNEY TRANSPLANTS IN 2021	26
A5 SURVIVAL PROBABILITY	29
A6 EXPECTED REMAINING LIFETIMES	30
A7 COMPARISONS BY TREATMENT MODALITY FOR 2021	31
Section B: Individual patient data reference tables	38
B1 AFFILIATED REGISTRY INFORMATION FOR 2021	39
B2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 1	40
B3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 91	51
B4 PREVALENT PATIENTS ON KRT IN 2021	62
B5 KIDNEY TRANSPLANTS IN 2021	73
B6 SURVIVAL PROBABILITY	76
B7 EXPECTED REMAINING LIFETIMES	92
Section C: Aggregated data reference tables	93
C1 AFFILIATED REGISTRY INFORMATION FOR 2021	94
C2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 1	95
C3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 91	103
C4 PREVALENT PATIENTS ON KRT IN 2021	111
C5 KIDNEY TRANSPLANTS IN 2021	119
Section D: Paediatric data reference tables	121
D1 GENERAL POPULATION AGE DISTRIBUTION	122
D2 INCIDENT PATIENTS ACCEPTED FOR KRT, AT DAY 1	123
D3 PREVALENT PATIENTS ON KRT	125
Methods	127
Appendices	136

Table of Contents

Introduction	11
Section overview	13
ERA Registry website	13
ESPN/ERA Registry website	13
Section A: Summary data and comparisons by treatment modality	14
A1 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 1	
Table A.1.1 Summary data on the incidence of KRT in 2021, unadjusted	15
Figure A.1.1 Incidence per million population by country / region, unadjusted	16
Figure A.1.2 Incidence per million population by country / region, unadjusted and adjusted	17
Figure A.1.3 Age, sex, and primary renal disease distribution by type of data provided, unadjusted	18
Figure A.1.4 Treatment modality distribution by type of data provided, age, sex and primary renal disease, unadjusted	19
A2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 91	
Figure A.2.1 Treatment modality distribution by type of data provided, age, sex and primary renal disease, unadjusted	20
A3 PREVALENT PATIENTS ON KRT IN 2021	
Table A.3.1 Summary data on the prevalence of KRT on 31 December 2021, unadjusted	21
Figure A.3.1 Prevalence per million population by country / region, unadjusted	22
Figure A.3.2 Prevalence per million population by country / region, unadjusted and adjusted	23
Figure A.3.3 Age, sex, and primary renal disease distribution by type of data provided, unadjusted	24
Figure A.3.4 Treatment modality distribution by type of data provided, age, sex and primary renal disease, unadjusted	25
A4 KIDNEY TRANSPLANTS IN 2021	
Figure A.4.1 Kidney transplant counts and per million population by country / region, unadjusted	26
Figure A.4.2 Kidney transplants per million population by donor type and by country / region, unadjusted	27
Figure A.4.3 Donor type distribution by type of data provided, unadjusted	28
A5 SURVIVAL PROBABILITY	
Table A.5.1 One-, two- and five-year survival probabilities by treatment modality and cohort	29
A6 EXPECTED REMAINING LIFETIMES	
Figure A.6.1 Expected remaining years of life in the general population and in prevalent dialysis and kidney transplant patients (cohort 2017-2021)	30
A7 COMPARISONS BY TREATMENT MODALITY FOR 2021	
Figure A.7.1 Kidney transplant percentage by country / region in incident patients, unadjusted	31
Figure A.7.2 Incidence per million population by treatment modality, unadjusted	32
Figure A.7.3 Age, sex and primary renal disease distribution by treatment modality in incident patients, unadjusted	33
Figure A.7.4 Kidney transplant percentage by country / region in prevalent patients, unadjusted	34
Figure A.7.5 Prevalence per million population by treatment modality, unadjusted	35
Figure A.7.6 Age, sex and primary renal disease distribution by treatment modality in prevalent patients, unadjusted	36
Figure A.7.7 Unadjusted patient survival by modality: Incident dialysis patients (cohort 2012-2016)	37
Figure A.7.8 Unadjusted patient survival by donor type: Patients receiving a first kidney transplant (cohort 2012-2016)	37
Figure A.7.9 Unadjusted graft survival by donor type: Patients receiving a first kidney transplant (cohort 2012-2016)	37

B1 AFFILIATED REGISTRY INFORMATION FOR 2021

Table B.1.1	General population data and number of renal centres	39
--------------------	---	----

B2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 1

Table B.2.1	Incident counts and percentages by age and sex	40
Table B.2.2	Incidence per million (age-related) population by age and sex, unadjusted	41
Table B.2.3	Sex, mean age, and median age of incident patients	42
Table B.2.4	Incidence per million population, adjusted	43
Table B.2.5	Incidence per million population and percentages by primary renal disease, unadjusted	44
Table B.2.6	Incidence per million population by primary renal disease, adjusted	45
Table B.2.7	Incident counts by treatment modality	46
Table B.2.8	Incidence per million population by treatment modality, unadjusted	47
Table B.2.9	Incidence per million population by treatment modality, adjusted	48
Table B.2.10	Treatment modality distribution, unadjusted	49
Table B.2.11	Treatment modality distribution by age, sex, and primary renal disease, unadjusted	50

B3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 91

Table B.3.1	Incident counts and percentages by age and sex	51
Table B.3.2	Incidence per million (age-related) population by age and sex, unadjusted	52
Table B.3.3	Sex, mean age, and median age of incident patients	53
Table B.3.4	Incidence per million population, adjusted	54
Table B.3.5	Incidence per million population and percentages by primary renal disease, unadjusted	55
Table B.3.6	Incidence per million population by primary renal disease, adjusted	56
Table B.3.7	Incident counts by treatment modality	57
Table B.3.8	Incidence per million population by treatment modality, unadjusted	58
Table B.3.9	Incidence per million population by treatment modality, adjusted	59
Table B.3.10	Treatment modality distribution, unadjusted	60
Table B.3.11	Treatment modality distribution by age, sex, and primary renal disease, unadjusted	61

B4 PREVALENT PATIENTS ON KRT IN 2021

Table B.4.1	Prevalent counts and percentages by age and sex	62
Table B.4.2	Prevalence per million (age-related) population by age and sex, unadjusted	63
Table B.4.3	Sex, mean age, and median age	64
Table B.4.4	Prevalence per million population, adjusted	65
Table B.4.5	Prevalence per million population and percentages by primary renal disease, unadjusted	66
Table B.4.6	Prevalence per million population by primary renal disease, adjusted	67
Table B.4.7	Prevalent counts by treatment modality	68
Table B.4.8	Prevalence per million population by treatment modality, unadjusted	69
Table B.4.9	Prevalence per million population by treatment modality, adjusted	70
Table B.4.10	Treatment modality distribution, unadjusted	71
Table B.4.11	Treatment modality distribution by age, sex, and primary renal disease, unadjusted	72

B5 KIDNEY TRANSPLANTS IN 2021

Table B.5.1	Kidney transplant counts and percentages by donor type	73
Table B.5.2	Kidney transplants per million population by donor type, unadjusted	74
Table B.5.3	Sex, mean age, and median age of kidney transplant recipients	75

B6 SURVIVAL PROBABILITY**Patient Survival on KRT (cohort 2012-2016 and cohort 2015-2019)**

Table B.6.1	Incident KRT patients, from day 1, unadjusted	76
Table B.6.2	Incident KRT patients, from day 1, adjusted	77
Table B.6.3	Incident KRT patients, from day 91, unadjusted	78
Table B.6.4	Incident KRT patients, from day 91, adjusted	79

Patient Survival on Dialysis (cohort 2012-2016 and cohort 2015-2019)

Table B.6.5	Incident dialysis patients, from day 1, unadjusted	80
Table B.6.6	Incident dialysis patients, from day 1, adjusted	81
Table B.6.7	Incident dialysis patients, from day 91, unadjusted	82
Table B.6.8	Incident dialysis patients, from day 91, adjusted	83

Patient Survival after First Kidney Transplant (cohort 2012-2016 and cohort 2015-2019)		
Table B.6.9	First transplant patients (deceased donor), from day of transplant, unadjusted	84
Table B.6.10	First transplant patients (deceased donor), from day of transplant, adjusted	85
Table B.6.11	First transplant patients (living donor), from day of transplant, unadjusted	86
Table B.6.12	First transplant patients (living donor), from day of transplant, adjusted	87

Graft Survival after First Kidney Transplant (cohort 2012-2016 and cohort 2015-2019)		
Table B.6.13	First graft (deceased donor), from day of transplant, unadjusted	88
Table B.6.14	First graft (deceased donor), from day of transplant, adjusted	89
Table B.6.15	First graft (living donor), from day of transplant, unadjusted	90
Table B.6.16	First graft (living donor), from day of transplant, adjusted	91

B7 EXPECTED REMAINING LIFETIMES

Table B.7.1	Expected remaining years of life in the general population and in prevalent dialysis and kidney transplant patients (cohort 2017-2021)	92
--------------------	--	----

Section C: Aggregated data reference tables 93

C1 AFFILIATED REGISTRY INFORMATION FOR 2021

Table C.1.1	General population data and number of renal centres	94
--------------------	---	----

C2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 1

Table C.2.1	Incident counts and percentages by age and sex	95
Table C.2.2	Incidence per million (age-related) population by age and sex, unadjusted	96
Table C.2.3	Sex, mean age, and median age of incident patients	97
Table C.2.4	Incidence per million population, adjusted	98
Table C.2.5	Incidence per million population and percentages by primary renal disease, unadjusted	99
Table C.2.6	Incident counts by treatment modality	100
Table C.2.7	Incidence per million population by treatment modality, unadjusted	101
Table C.2.8	Treatment modality distribution, unadjusted	102

C3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 91

Table C.3.1	Incident counts and percentages by age and sex	103
Table C.3.2	Incidence per million (age-related) population by age and sex, unadjusted	104
Table C.3.3	Sex, mean age, and median age of incident patients	105
Table C.3.4	Incidence per million population, adjusted	106
Table C.3.5	Incidence per million population and percentages by primary renal disease, unadjusted	107
Table C.3.6	Incident counts by treatment modality	108
Table C.3.7	Incidence per million population by treatment modality, unadjusted	109
Table C.3.8	Treatment modality distribution, unadjusted	110

C4 PREVALENT PATIENTS ON KRT IN 2021

Table C.4.1	Prevalent counts and percentages by age and sex	111
Table C.4.2	Prevalence per million (age-related) population by age and sex, unadjusted	112
Table C.4.3	Sex, mean age, and median age	113
Table C.4.4	Prevalence per million population, adjusted	114
Table C.4.5	Prevalence per million population and percentages by primary renal disease, unadjusted	115
Table C.4.6	Prevalent counts by treatment modality	116
Table C.4.7	Prevalence per million population by treatment modality, unadjusted	117
Table C.4.8	Treatment modality distribution, unadjusted	118

C5 KIDNEY TRANSPLANTS IN 2021

Table C.5.1	Kidney transplant counts and percentages by donor type	119
Table C.5.2	Kidney transplants per million population by donor type, unadjusted	120

Section D: Paediatric data reference tables

121

D1 GENERAL POPULATION AGE DISTRIBUTION

Table D.1.1	Population covered (in thousands)	122
--------------------	-----------------------------------	-----

D2 INCIDENT PATIENTS ACCEPTED FOR KRT, AT DAY 1

Table D.2.1	Incident counts by age and cohort	123
Table D.2.2	Incident counts by age, treatment modality, and cohort	123
Table D.2.3	Incident counts by age and primary renal disease	123
Table D.2.4	Incidence per million age-related population by age and cohort	124
Table D.2.5	Incidence per million age-related population by age, treatment modality, and cohort	124
Table D.2.6	Incidence per million age-related population by age and primary renal disease	124

D3 PREVALENT PATIENTS ON KRT

Table D.3.1	Prevalent counts by age and cohort	125
Table D.3.2	Prevalent counts by age, treatment modality, and cohort	125
Table D.3.3	Prevalent counts by age and primary renal disease	125
Table D.3.4	Prevalence per million age-related population by age and cohort	126
Table D.3.5	Prevalence per million age-related population by age, treatment modality, and cohort	126
Table D.3.6	Prevalence per million age-related population by age and primary renal disease	126

Methods

127

Data collection and preparation	128
Coding systems	131
Statistical analyses	131
Bibliography	135

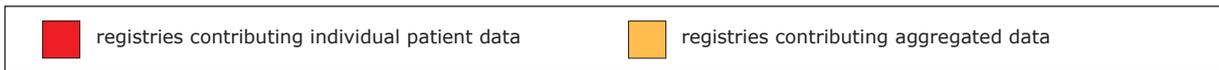
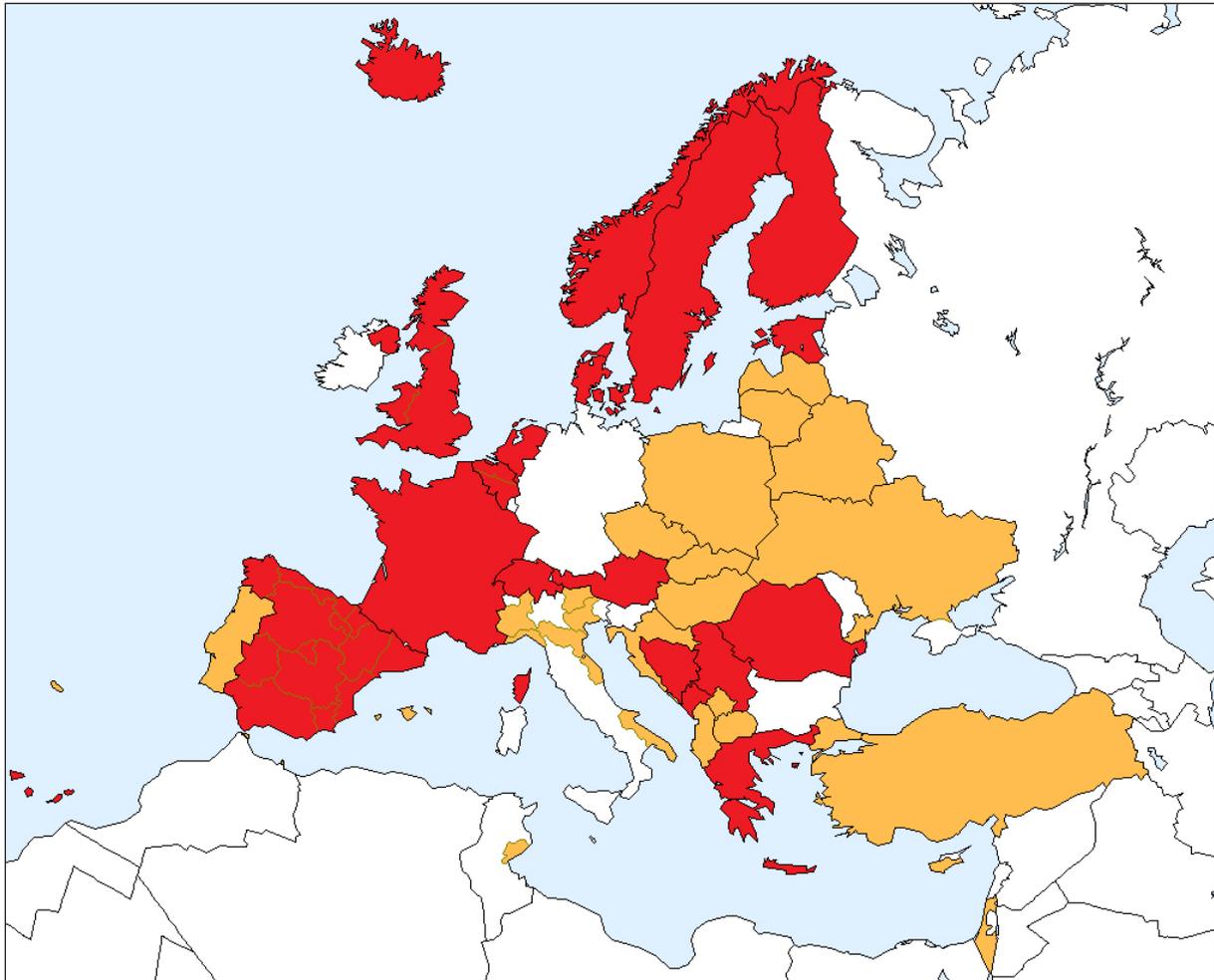
Appendices

136

Appendix 1 - Grouping of primary renal diseases	137
Appendix 2 - Grouping of primary renal disease codes 2018	138
Appendix 3 - Grouping of causes of death	143
Appendix 4 - Event type codes	144
Appendix 5 - Renal registries contributing data for the different types of analyses	145

Introduction

Figure 1: National and regional renal registries that contributed data to this annual report



AL	Albania	IT	Italy
AT	Austria	LT	Lithuania
BA	Bosnia and Herzegovina	LV	Latvia
BE	Belgium	ME	Montenegro
BY	Belarus	MK	North Macedonia
CH	Switzerland	NL	the Netherlands
CY	Cyprus	NO	Norway
CZ	Czech Republic	PL	Poland
DK	Denmark	PT	Portugal
EE	Estonia	RO	Romania
ES	Spain	RS	Serbia
FI	Finland	SE	Sweden
FR	France	SK	Slovakia
GR	Greece	TN	Tunisia
HR	Croatia	TR	Turkey
HU	Hungary	UA	Ukraine
IL	Israel	UK	United Kingdom
IS	Iceland	XK	Kosovo

I Introduction

The ERA Registry collects data on kidney replacement therapy (KRT) via the national and regional renal registries in Europe and countries bordering the Mediterranean Sea. For this 2021 Annual Report data sets from 54 national or regional renal registries in 36 countries were used. The reference tables are presented in two parts: Section B relates to individual patient data from 35 national and regional registries from 18 countries (shown in red in Figure 1), whereas Section C relates to 19 national and regional registries from 19 countries providing aggregated data (shown in orange in Figure 1).

Section overview

In Section A, figures summarizing the data from all participating registries are presented. In addition, in Section A of this 2021 Annual Report, figures on comparisons by treatment modality are included. Section B contains data on the incidence and prevalence of KRT and on the kidney transplant activity, the survival and expected remaining lifetimes from registries providing individual patient data. Section C covers data on the incidence and prevalence and kidney transplant activity from the countries and regions providing aggregated data. The incidence and prevalence of KRT in paediatric patients are described in Section D, and are based on data from registries providing individual paediatric patient data. The Methods section describes the procedures used, including data collection and preparation, definitions, coding systems, and statistical methods.

ERA Registry website

The ERA Registry annual reports and the slides based on the information of these annual reports can be downloaded from the ERA website: www.era-online.org/research-education/era-registry. In addition, the website includes a repository of educational publications and a link to the 2018 version of the ERA Registry Primary Renal Disease Codes.

ESPN/ERA Registry website

Information on the activities of the European Society for Paediatric Nephrology (ESPN)/ERA Registry and on paediatric registries in general can be found on the ESPN/ERA Registry website: www.espn-reg.org. In addition, the ESPN/ERA Registry annual reports can be downloaded from this website.

Section A: Summary data and comparisons by treatment modality

A1 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 1

Table A.1.1
Summary data on the incidence of KRT in 2021, unadjusted

	General population covered by the registry in thousands	Incidence in 2021, at day 1					
		All N	All Pmp	Mean Age	Median Age	DM N	DM Pmp
Albania	2784	383	138	63.6	67.0	89	32
Austria §	8825	1068	121	65.7	68.4	256	29
Belarus	9256	707	76			147	16
Belgium, Dutch-speaking *	6687	1205	180	70.3	73.7	249	37
Belgium, French-speaking *	4899	1013	207	67.6	69.9	169	34
Bosnia and Herzegovina	3531	428	121	63.4	65.3	109	31
Croatia †	3306	437	132	68.8	70.0	119	36
Cyprus	905	256	283	69.0	72.0	112	124
Czech Republic †	10307	2505	243				
Denmark	5857	753	129	64.2	68.4	220	38
Estonia	1331	102	77	62.2	65.6	17	13
Finland	5541	455	82	61.3	66.2	146	26
France (26 of 27 regions)	67356	11416	169	67.7	71.0	2650	39
Greece	10569	2952	279	72.1	74.5	660	62
Iceland	373	32	86	57.7	67.7	7	19
Israel	9372	1877	200	66.5	69.8	797	85
Italy (7 of 20 regions)	20658	3299	160	68.8	71.8	409	20
Kosovo	1688	267	158	62.1	64.0	91	54
Latvia	1704	160	94	58.6	61.0	29	17
Lithuania	2811	274	97	60.4	62.6	46	16
Montenegro *	619	49	79	62.3	63.0	13	21
North Macedonia	2069	369	178	63.4	65.0	84	41
Norway	5403	530	98	64.1	67.3	87	16
Poland	38162	5570	146			1428	37
Portugal ¶	10348	2510	243			820	79
Romania	19122	3319	174	62.2	64.8	334	17
Serbia	6493	428	66	59.9	64.0	68	10
Slovakia †	4452	828	186	63.5	66.0	285	64
Spain (All)	47385	7135	151	64.0	68.5	1766	37
Spain, Andalusia	8511	1271	149	64.8	67.8	311	37
Spain, Aragon	1323	161	122	65.7	68.0	56	42
Spain, Asturias	1010	155	154	67.9	70.1	38	38
Spain, Basque country	2181	298	137	65.9	69.4	80	37
Spain, Canary Islands	2248	391	174	64.7	67.5	128	57
Spain, Cantabria *	584	87	149	66.9	70.1	21	36
Spain, Castile and León *	2383	314	132	67.6	70.5	68	29
Spain, Castile-La Mancha *	2049	268	131	67.1	68.6	74	36
Spain, Catalonia	7763	1481	191	66.6	69.6	320	41
Spain, Community of Madrid	6751	850	126	64.3	66.9	236	35
Spain, Extremadura	1060	149	141	66.3	69.0	35	33
Spain, Galicia	2694	451	167	67.4	70.6	113	42
Spain, La Rioja	316	39	123	64.0	64.1	12	38
Spain, Murcia	1518	221	146	64.3	67.3	55	36
Spain, Navarre *	658	82	125	62.8	64.9	22	33
Spain, Valencian region	5058	816	161	66.1	69.3	163	32
Sweden	10416	1175	113	64.1	68.7	297	29
Switzerland	8452	725	86	65.7	69.2	136	16
the Netherlands	16130	1934	120	63.3	66.8	404	25
Tunisia, Sfax region †	1023	235	230	59.8	62.0	81	79
Turkey ‡	84680	12661	150			2275	50
Ukraine	26632	1411	53	54.0	56.0	289	11
United Kingdom, England	55349	6570	119	60.7	63.3	1692	31
United Kingdom, Northern Ireland	1905	241	127	64.3	66.7	52	27
United Kingdom, Scotland	5480	602	110	60.4	63.0	172	31
United Kingdom, Wales	3105	359	116	60.2	63.4	112	36
All countries	524985	76240	145	65.0	68.2	16717	36

DM = diabetes mellitus as primary renal disease

When cells are left empty, the data are unavailable and could not be used for the calculation of the summary data

§ The incidence is underestimated by approximately 1% due to one haemodialysis centre not submitting data

|| Patients younger than 18 years of age are not reported

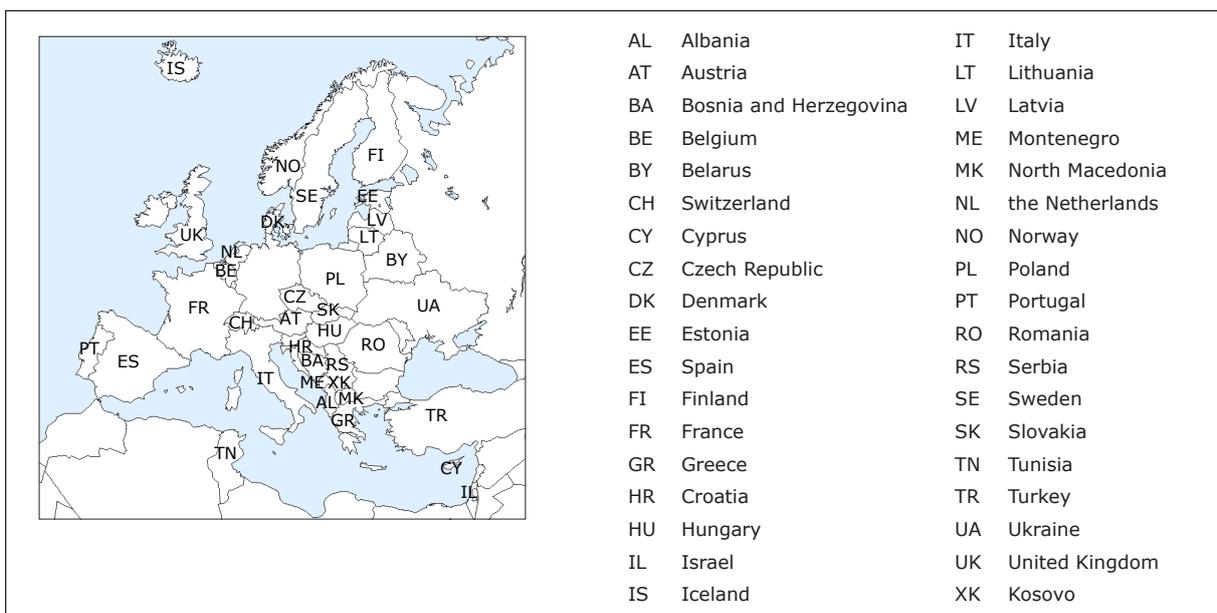
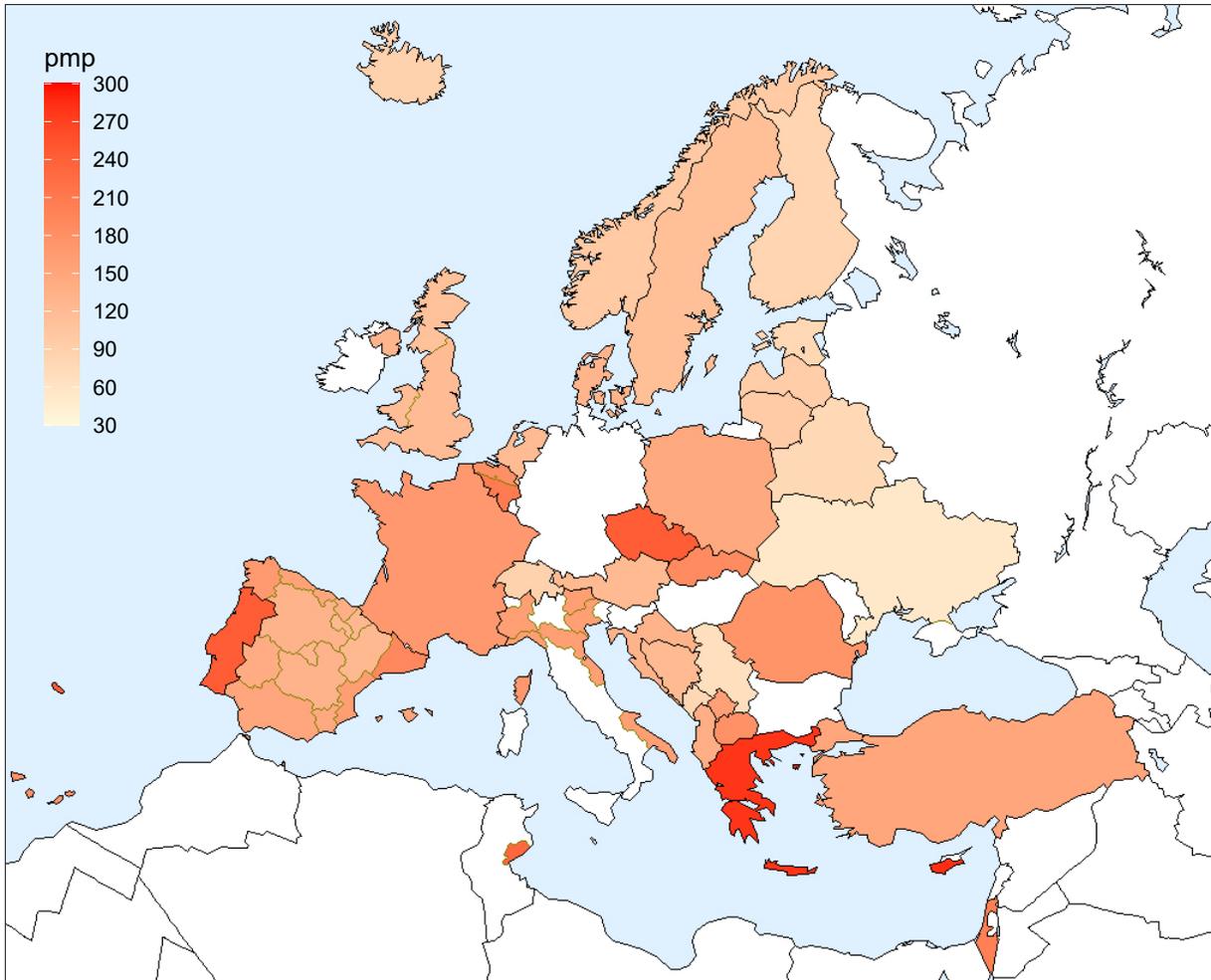
* Patients younger than 20 years of age are not reported

† Data include dialysis patients only

¶ Data on primary renal disease are available for dialysis patients only (N=2495, 99.4% of total)

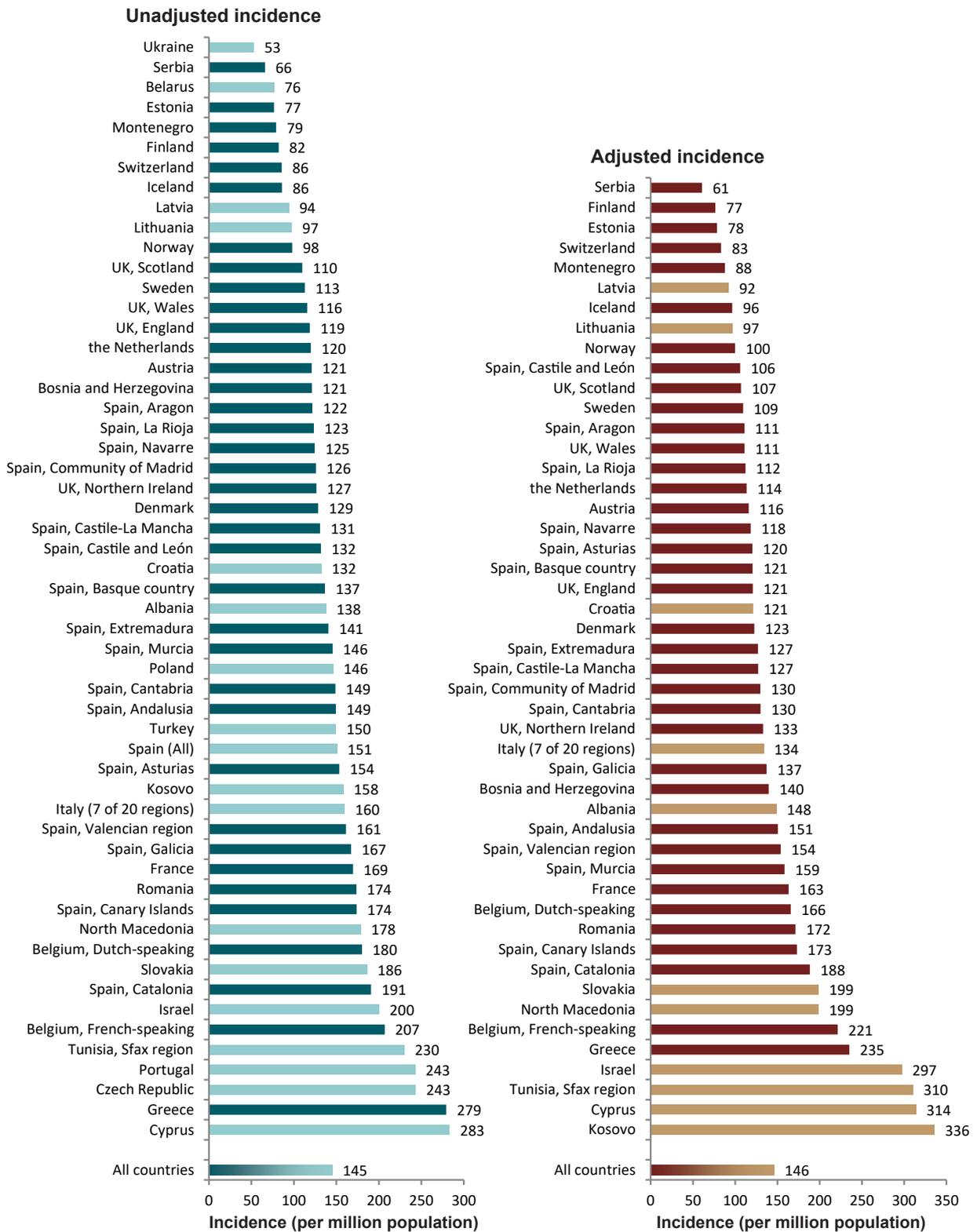
‡ Data on DM are extrapolated from data of 6774 patients (53.3% of total)

Figure A.1.1
Incidence per million population by country / region, unadjusted
at day 1



Detailed information on the contents of this figure can be found in table B.2.2 for registries providing individual patient data, and in table C.2.2 for registries providing aggregated data.

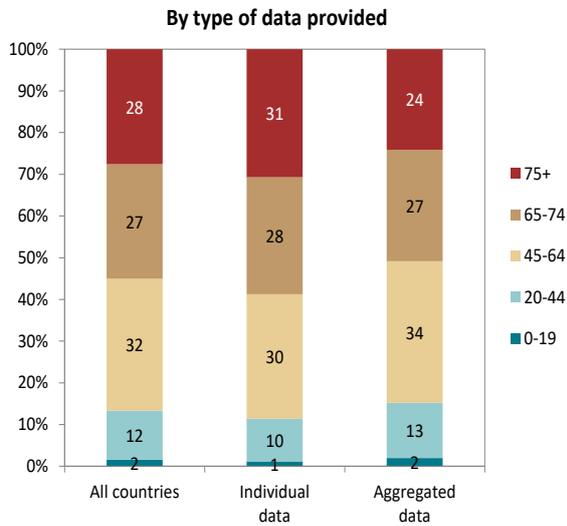
Figure A.1.2
Incidence per million population by country / region, unadjusted and adjusted
at day 1



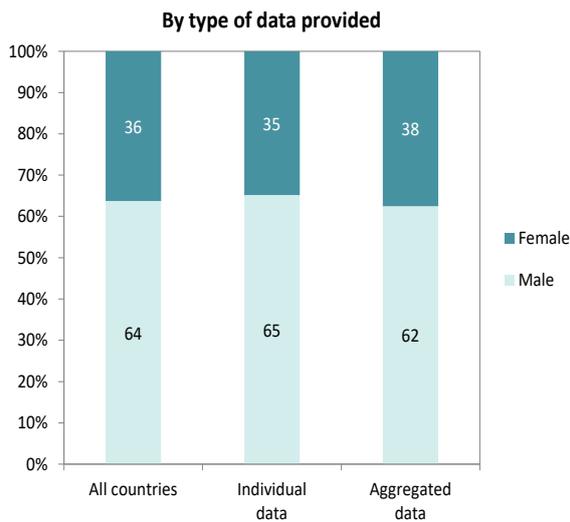
Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

Detailed information on the contents of this figure can be found in tables B.2.2 and B.2.4 for registries providing individual patient data, and in tables C.2.2 and C.2.4 for registries providing aggregated data. Adjustment of the incidence was performed by standardising the incidence to the age and sex distribution of the EU28 population.

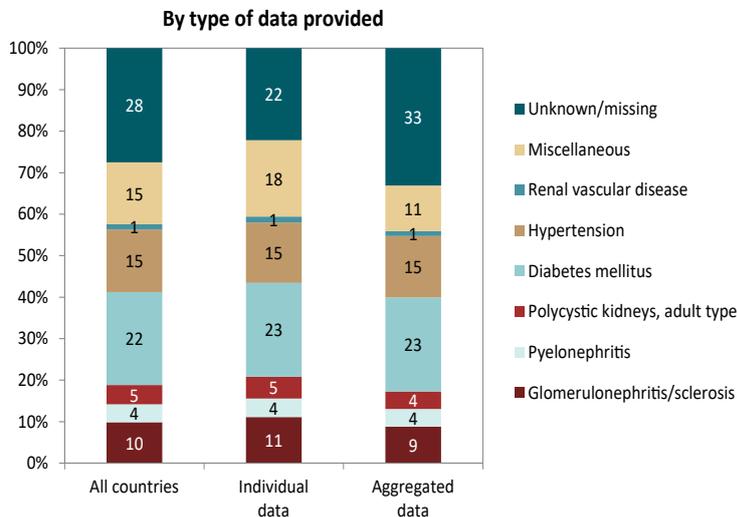
Figure A.1.3
Age, sex, and primary renal disease distribution by type of data provided, unadjusted at day 1



This figure summarizes the data presented in tables B.2.1 and C.2.1.

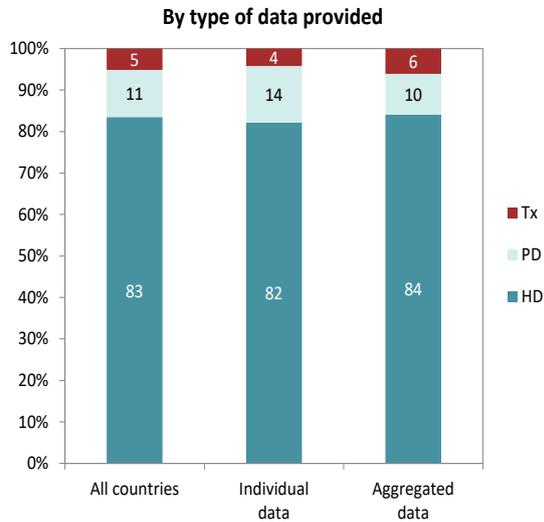


This figure summarizes the data presented in tables B.2.3 and C.2.3.



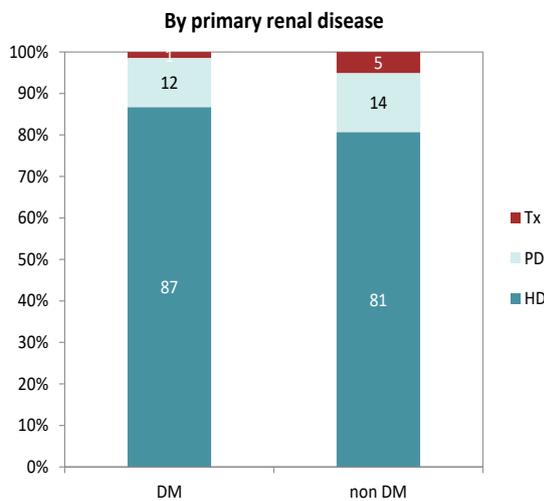
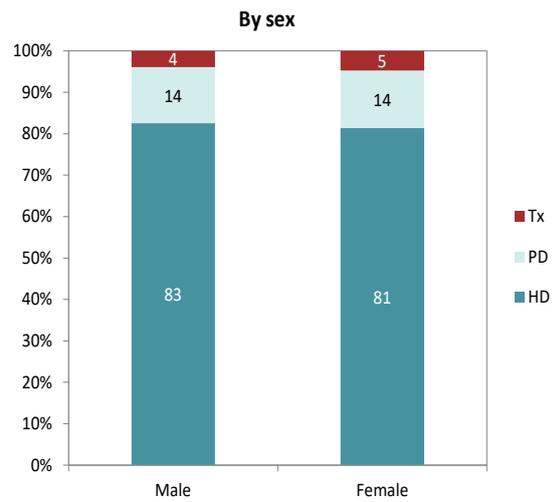
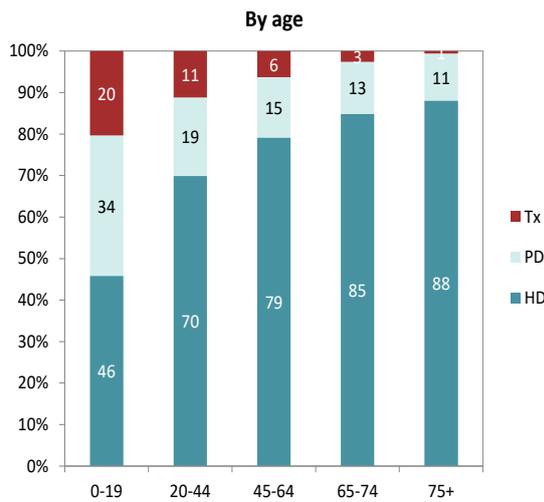
This figure summarizes the data presented in tables B.2.5 and C.2.5.

Figure A.1.4
Treatment modality distribution by type of data provided, age, sex and primary renal disease, unadjusted
at day 1



This figure summarizes the data presented in tables B.2.10 and C.2.8.

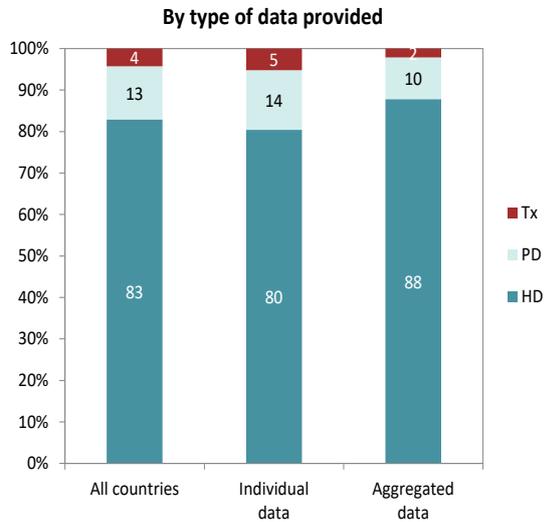
The figures below are only based on data from registries providing individual patient data.



These figures summarize the data presented in table B.2.11.

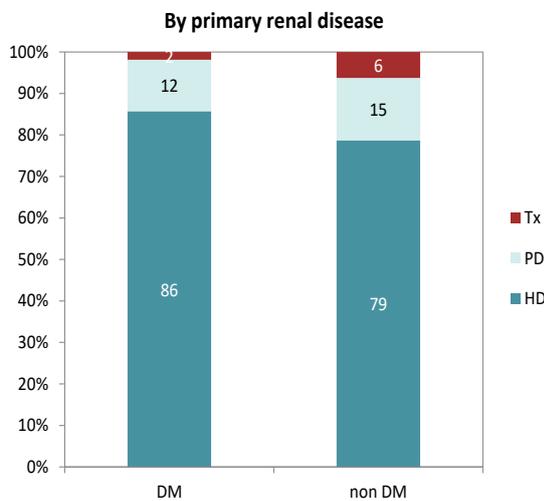
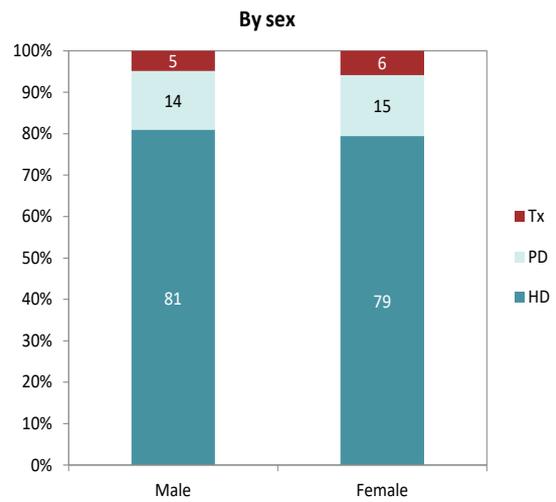
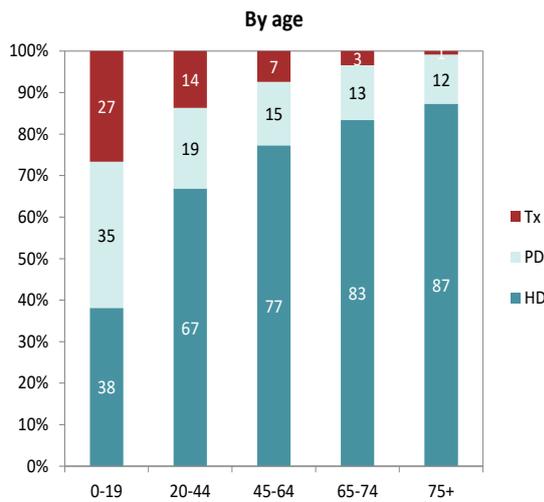
Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; DM: diabetes mellitus

Figure A.2.1
Treatment modality distribution by type of data provided, age, sex and primary renal disease, unadjusted
at day 91



This figure summarizes the data presented in tables B.3.10 and C.3.8.

The figures below are only based on data from registries providing individual patient data.



These figures summarize the data presented in table B.3.11.

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; DM: diabetes mellitus

Table A.3.1
Summary data on the prevalence of KRT on 31 December 2021, unadjusted

	General population covered by the registry in thousands	Prevalent patients on KRT in 2021					
		All N	All Pmp	Mean Age	Median Age	DM N	DM Pmp
Albania	2784	1680	604	57.4	61.0	380	137
Austria §	8825	8977	1017	62.2	63.8	1695	192
Belarus	9256	4063	439			496	54
Belgium, Dutch-speaking *	6687	8640	1292	66.5	68.4	1393	208
Belgium, French-speaking *	4899	6829	1394	65.7	67.5	1182	241
Bosnia and Herzegovina	3531	2400	680	59.7	61.5	419	119
Croatia &	3306	2140	647	66.9	70.0	520	157
Czech Republic	10307	11613	1127				
Denmark	5857	5794	989	59.5	61.0	991	169
Estonia	1331	1100	826	59.8	61.0	203	153
Finland	5541	5309	958	60.2	62.8	1307	236
France (26 of 27 regions)	67356	93098	1382	63.5	65.8	15388	228
Greece	10569	15277	1445	66.2	68.2	2752	260
Hungary	9731	9091	934	62.0	64.0		
Iceland	373	314	843	58.5	59.9	35	94
Israel &	9372	7042	751	67.8	70.0	3245	346
Italy (7 of 20 regions)	20658	25100	1215	62.9	64.9	2512	122
Kosovo	1688	927	549	60.7	62.0	237	140
Latvia	1704	1023	600	55.8	58.0	111	65
Lithuania	2811	2405	856				
Montenegro *	619	269	434	59.8	62.5	48	78
North Macedonia	2069	1634	790	59.4	61.0	270	131
Norway	5403	5503	1019	60.4	62.3	738	137
Poland &	38162	19416	509			5391	141
Portugal □	10348	20731	2003	68.3		3721	553
Romania	19122	22650	1184	63.8	65.7	2078	109
Serbia	6493	5644	869	61.6	63.9	993	153
Slovakia &	4452	3463	778	64.9	67.0	1082	243
Spain (All)	47385	65678	1386	61.3	64.8	10796	228
Spain, Andalusia	8511	11312	1329	61.8	63.0	1898	223
Spain, Aragon	1323	1939	1466	65.7	67.3	355	268
Spain, Asturias	1010	1477	1463	64.9	66.5	266	263
Spain, Basque country	2181	2856	1309	62.6	64.7	383	176
Spain, Canary Islands	2248	3499	1556	63.0	64.2	916	407
Spain, Cantabria *	584	687	1176	63.9	65.0	115	197
Spain, Castile and León *	2383	3274	1374	66.3	67.4	540	227
Spain, Castile-La Mancha *	2049	2545	1242	64.1	64.8	449	219
Spain, Catalonia	7763	11841	1525	63.6	65.4	1822	235
Spain, Community of Madrid	6751	7850	1163	62.3	63.8	1366	202
Spain, Extremadura	1060	1419	1339	63.8	64.5	235	222
Spain, Galicia	2694	4057	1506	64.1	65.5	709	263
Spain, La Rioja	316	382	1209	62.4	63.0	55	174
Spain, Murcia	1518	2192	1444	62.9	63.9	352	232
Spain, Navarre *	658	930	1413	63.9	65.5	159	241
Spain, Valencian region	5058	7650	1512	63.8	65.6	1125	222
Sweden	10416	10499	1008	60.5	62.5	1782	171
Switzerland	8452	8512	1007	62.9	65.0	1224	145
the Netherlands	16832	17975	1068	61.3	63.3	2378	141
Tunisia, Sfax region &	1023	1063	1039	57.5	59.0	247	241
Turkey ‡	84680	84128	993			5842	340
Ukraine	26632	8086	304	52.8	54.0	1304	49
United Kingdom, England	55349	55870	1009	58.3	59.6	10032	181
United Kingdom, Northern Ireland	1905	2062	1083	58.8	59.8	293	154
United Kingdom, Scotland	5480	5488	1001	57.1	59.0	954	174
United Kingdom, Wales	3105	3304	1064	58.4	59.7	611	197
All countries	534512	554797	1040	62.2	64.0	82650	186

DM = diabetes mellitus as primary renal disease

When cells are left empty, the data are unavailable and could not be used for the calculation of the summary data

§ The prevalence is underestimated by approximately 1% due to one haemodialysis centre not submitting data

|| Patients younger than 18 years of age are not reported

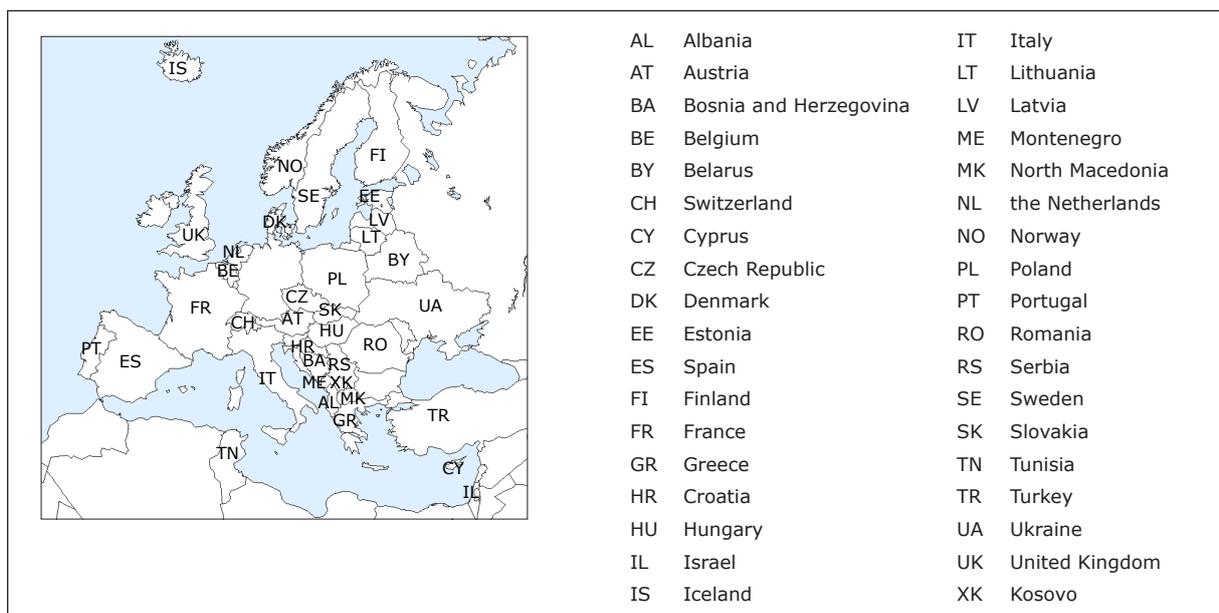
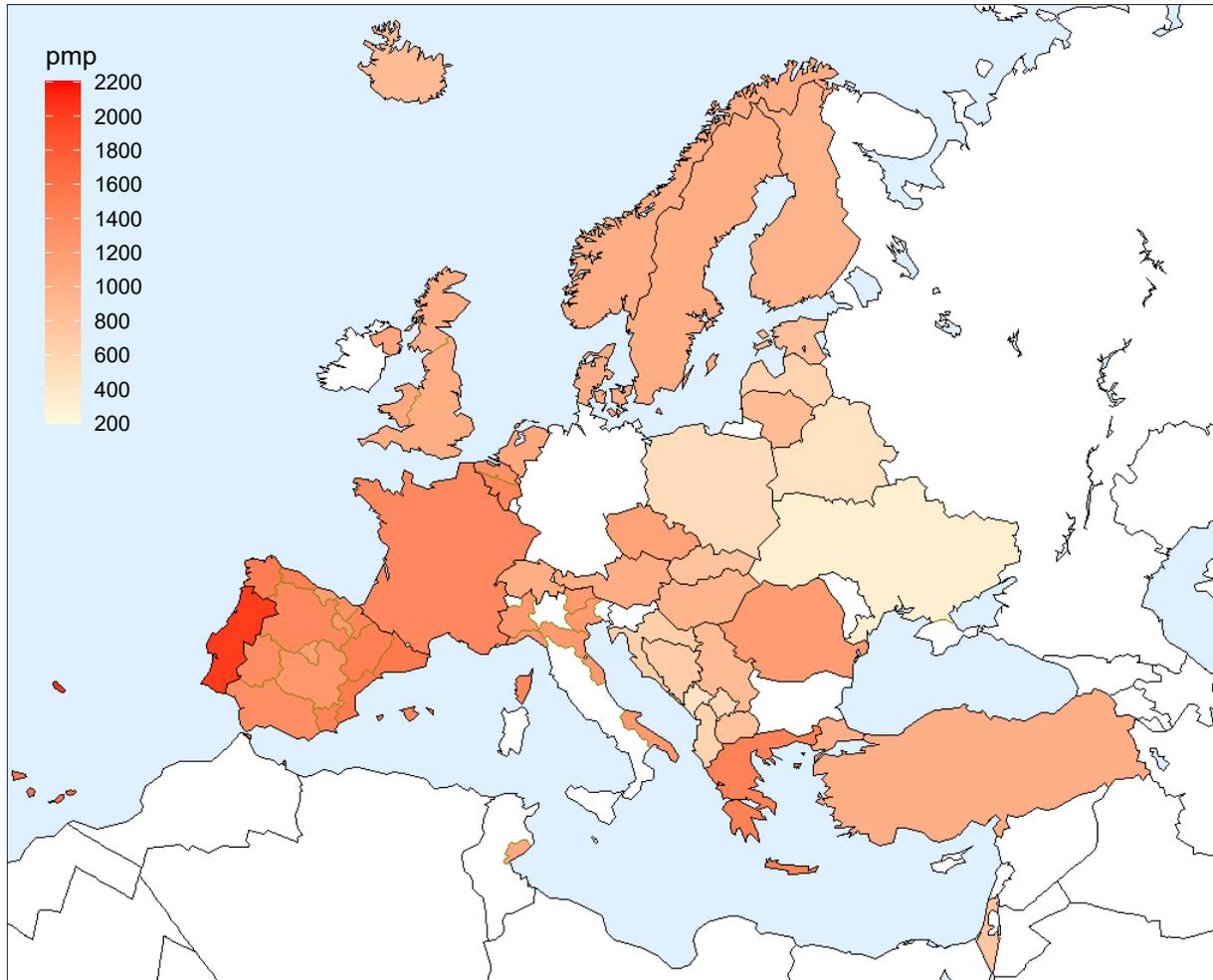
* Patients younger than 20 years of age are not reported

& Data on prevalence include dialysis patients only

□ Data on DM are extrapolated from data of 13473 patients (65.0% of total)

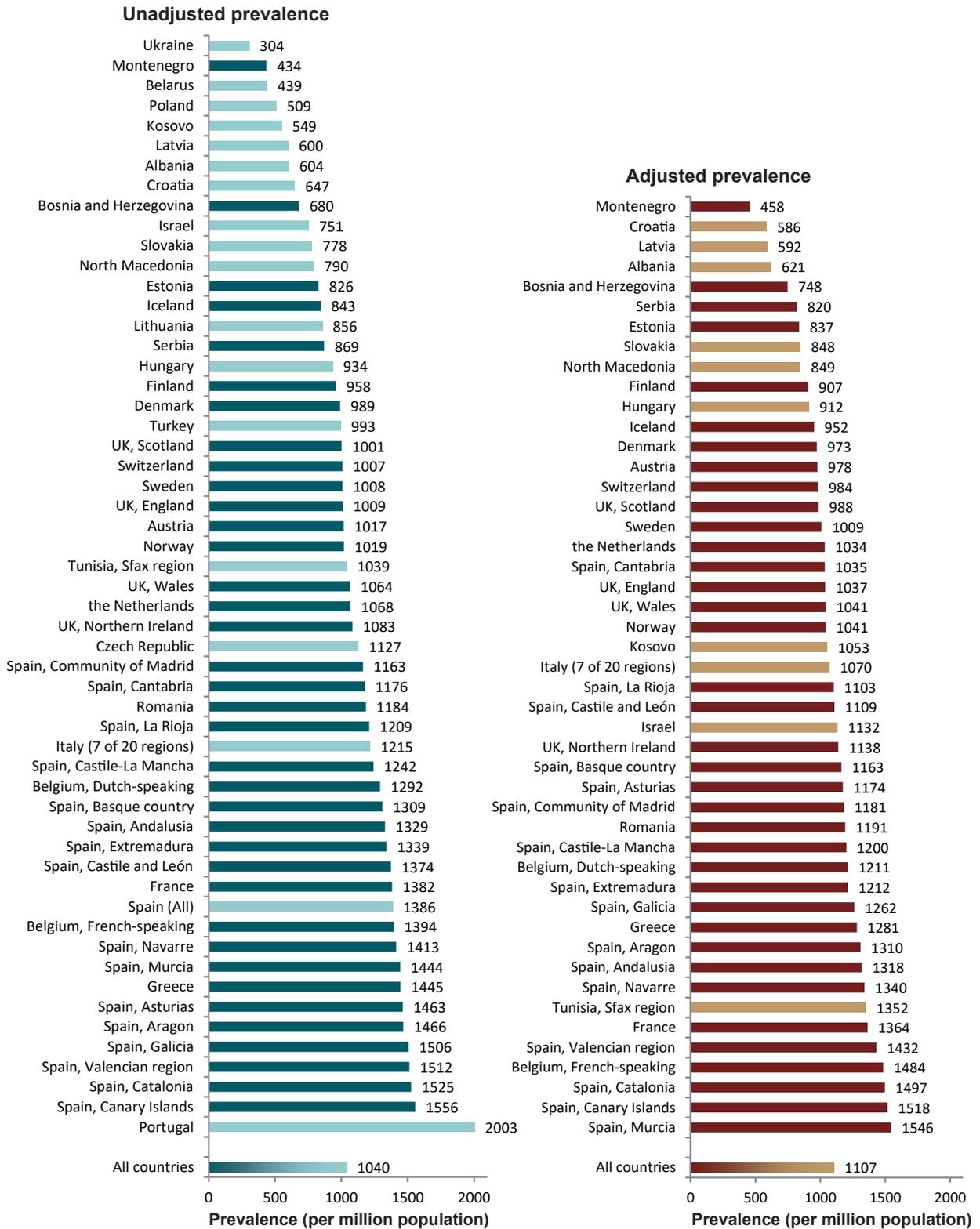
‡ Data on DM are extrapolated from data of 17074 patients (20.2% of total)

Figure A.3.1
Prevalence per million population by country / region, unadjusted
prevalent patients on December 31



Detailed information on the contents of this figure can be found in table B.4.2 for registries providing individual patient data, and in table C.4.2 for registries providing aggregated data.

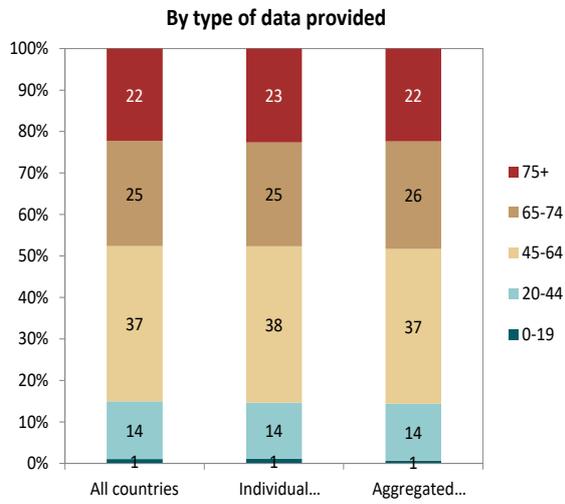
Figure A.3.2
Prevalence per million population by country / region, unadjusted and adjusted
prevalent patients on December 31



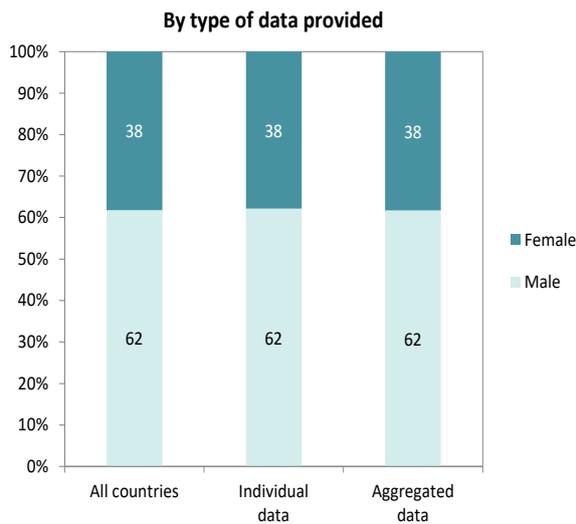
Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

Detailed information on the contents of this figure can be found in tables B.4.2 and B.4.4 for registries providing individual patient data, and in tables C.4.2 and C.4.4 for registries providing aggregated data. Adjustment of the prevalence was performed by standardising the prevalence to the age and sex distribution of the EU28 population.

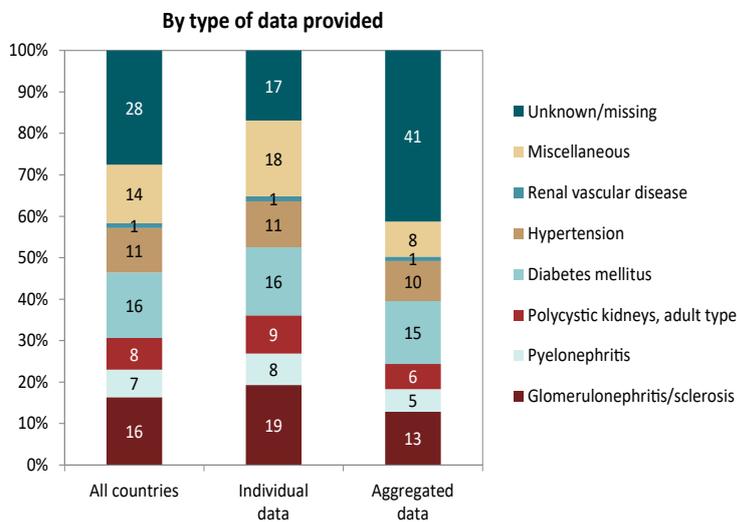
Figure A.3.3
Age, sex, and primary renal disease distribution by type of data provided, unadjusted
prevalent patients on December 31



This figure summarizes the data presented in tables B.4.1 and C.4.1.



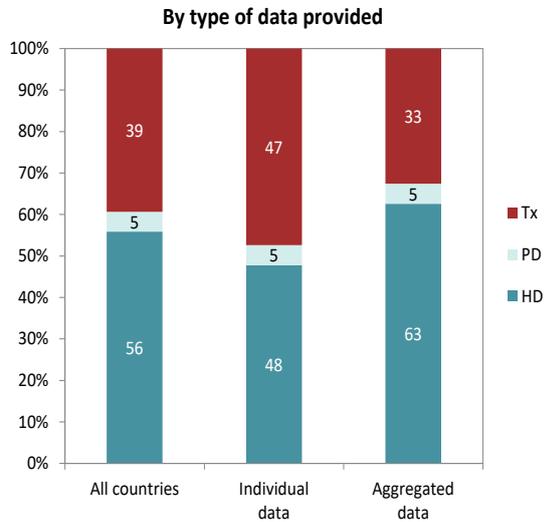
This figure summarizes the data presented in tables B.4.3 and C.4.3.



This figure summarizes the data presented in tables B.4.5 and C.4.5.

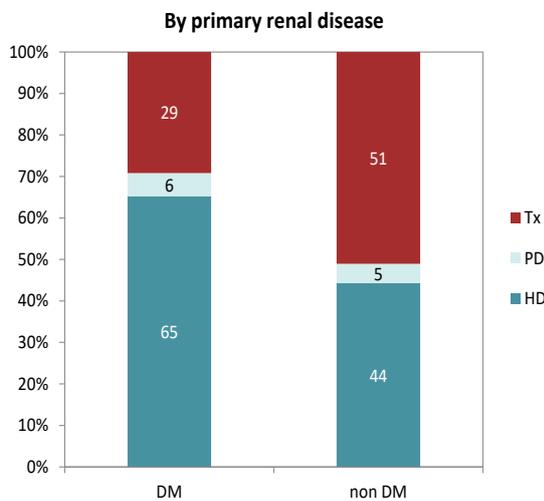
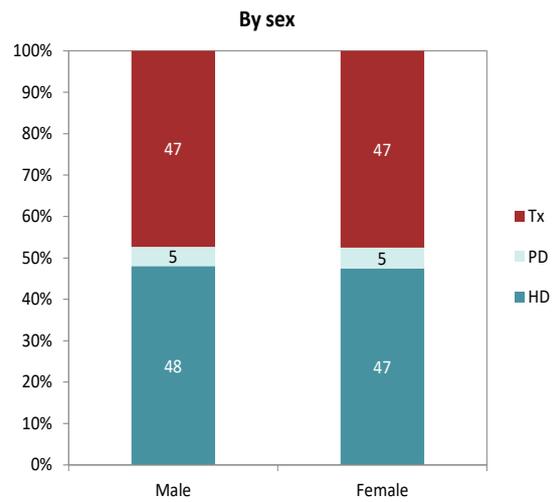
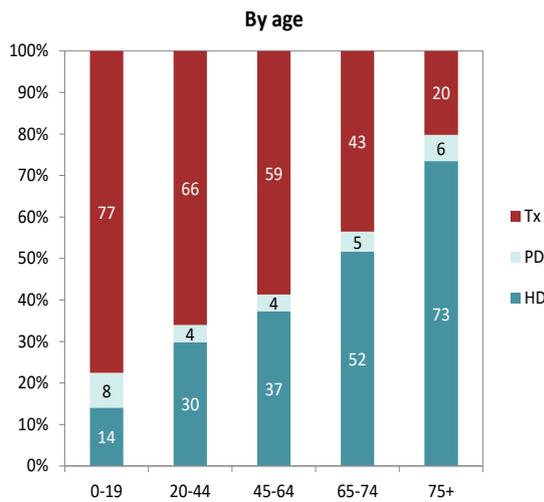
Figure A.3.4
Treatment modality distribution by type of data provided, age, sex and primary renal disease, unadjusted

prevalent patients on December 31



This figure summarizes the data presented in tables B.4.10 and C.4.8.

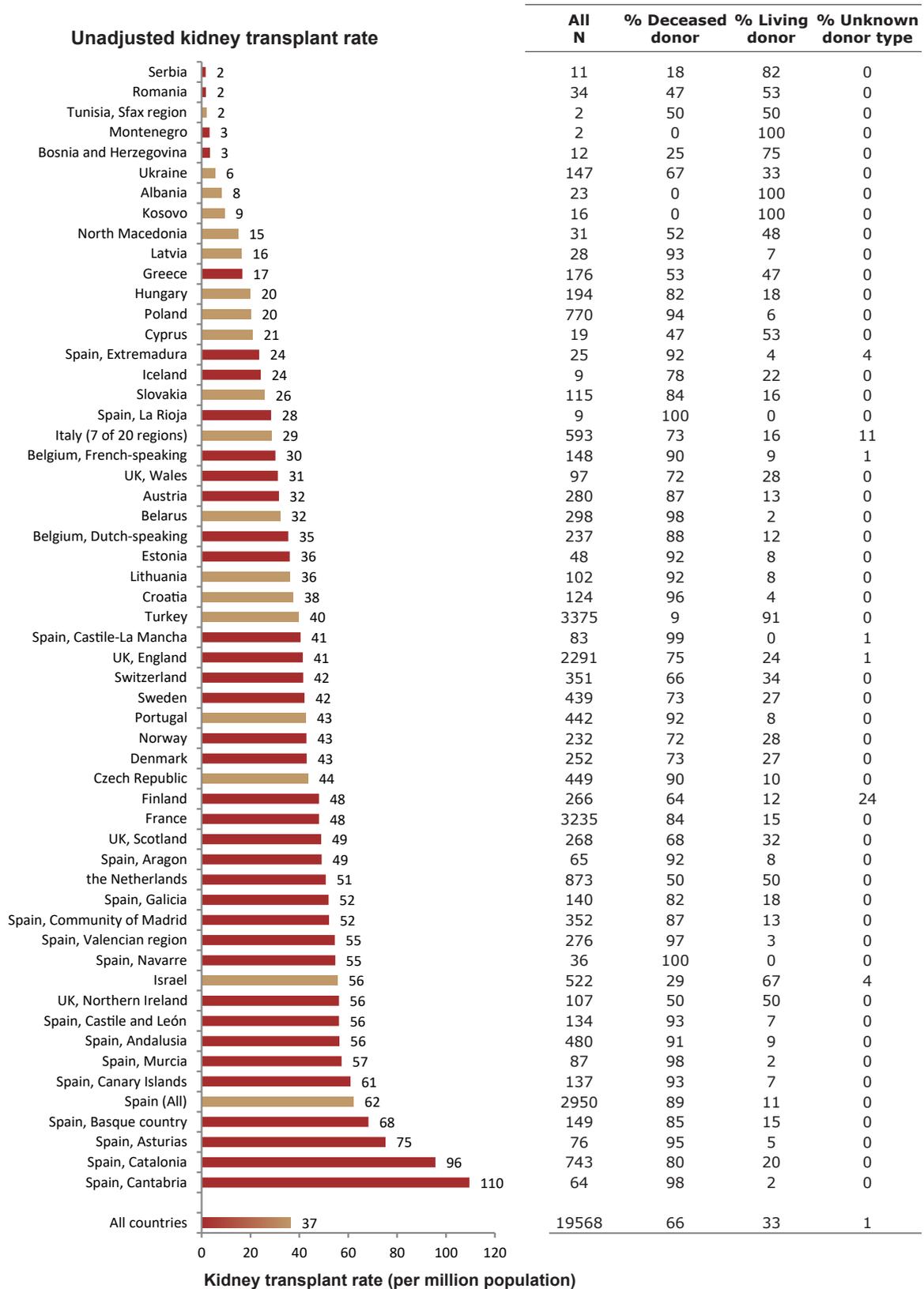
The figures below are only based on data from registries providing individual patient data.



These figures summarize the data presented in table B.4.11.

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; DM: diabetes mellitus

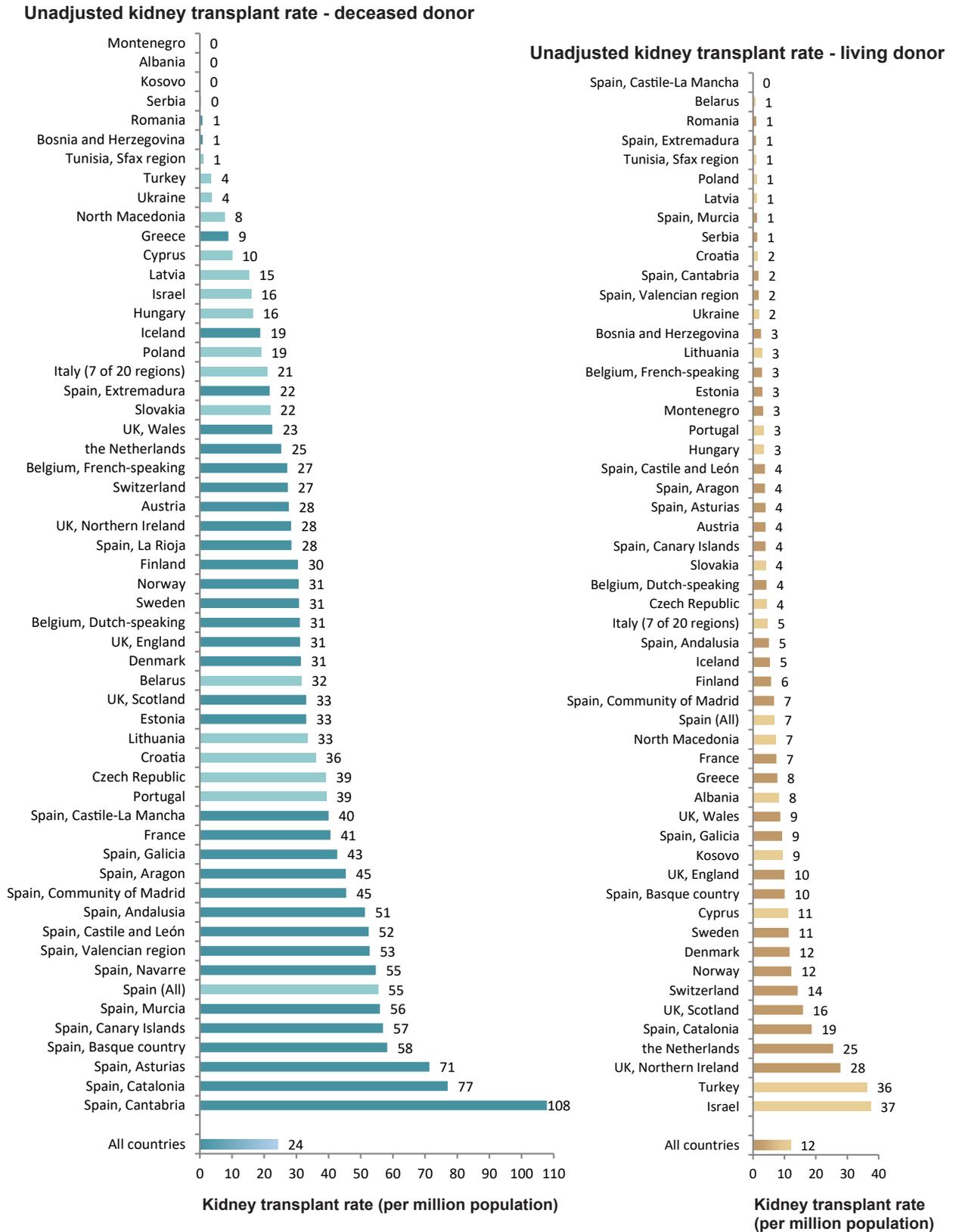
Figure A.4.1
Kidney transplant counts and per million population by country / region, unadjusted



Registries providing individual patient data are shown as red bars, and registries providing aggregated data as orange bars.

Detailed information on the contents of this figure can be found in tables B.5.1 and B.5.2 for registries providing individual patient data, and in tables C.5.1 and C.5.2 for registries providing aggregated data.

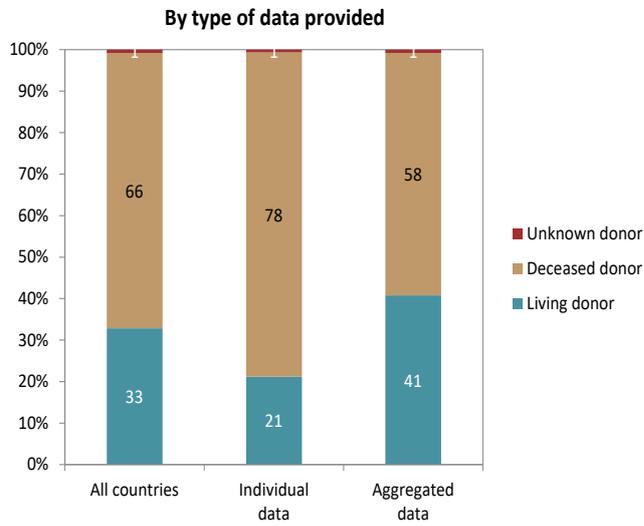
Figure A.4.2
Kidney transplants per million population by donor type and by country / region, unadjusted



Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

Detailed information on the contents of this figure can be found in table B.5.2 for registries providing individual patient data, and in table C.5.2 for registries providing aggregated data.

Figure A.4.3
Donor type distribution by type of data provided, unadjusted



This figure summarizes the data presented in table B.5.1 for registries providing individual patient data, and in table C.5.1 for registries providing aggregated data.

Table A.5.1

One-, two- and five-year survival probabilities by treatment modality and cohort*from day 1 of KRT / dialysis, or from day of transplant*

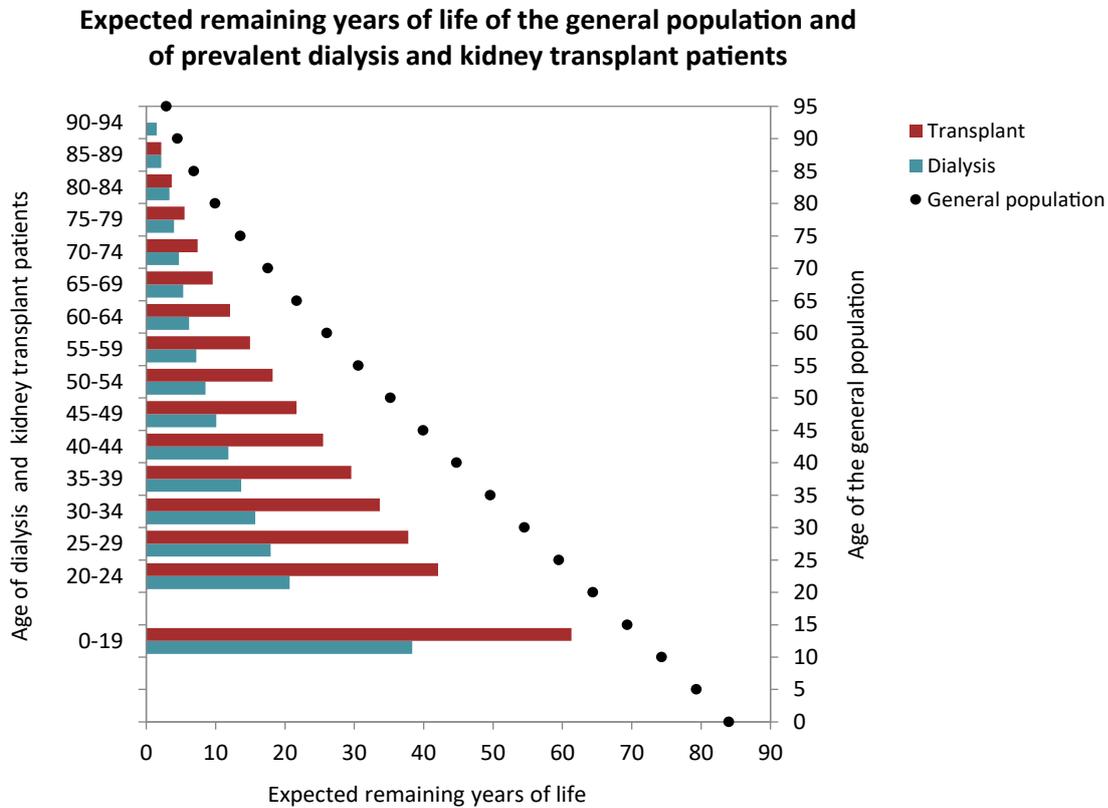
	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
Patient survival on KRT					
Unadjusted	85.1 (84.9-85.3)	75.1 (74.9-75.3)	51.7 (51.4-51.9)	85.7 (85.6-85.9)	75.7 (75.5-75.9)
Adjusted †	87.9 (87.7-88.0)	78.9 (78.7-79.1)	54.1 (53.8-54.3)	88.3 (88.2-88.5)	79.2 (79.0-79.4)
Patient survival on dialysis					
Unadjusted	84.0 (83.8-84.2)	72.4 (72.2-72.6)	41.4 (41.1-41.7)	84.7 (84.5-84.8)	73.0 (72.8-73.2)
Adjusted †	86.2 (86.1-86.4)	75.9 (75.7-76.1)	46.6 (46.3-46.9)	87.0 (86.9-87.2)	76.7 (76.5-77.0)
Patient survival after first kidney transplantation (deceased donor)					
Unadjusted	96.2 (96.0-96.4)	94.1 (93.9-94.3)	85.8 (85.4-86.1)	96.4 (96.2-96.5)	93.9 (93.7-94.1)
Adjusted ††	98.0 (97.9-98.2)	96.9 (96.8-97.1)	92.1 (91.8-92.4)	98.1 (98.0-98.2)	96.8 (96.7-97.0)
Graft survival after first kidney transplantation (deceased donor)					
Unadjusted	91.1 (90.8-91.4)	87.9 (87.6-88.2)	77.0 (76.6-77.5)	91.4 (91.1-91.7)	88.0 (87.7-88.3)
Adjusted ††	93.1 (92.8-93.3)	90.5 (90.2-90.8)	81.4 (81.0-81.9)	93.4 (93.2-93.6)	90.7 (90.4-91.0)
Patient survival after first kidney transplantation (living donor)					
Unadjusted	98.9 (98.7-99.0)	98.0 (97.7-98.2)	94.2 (93.8-94.6)	98.9 (98.6-99.0)	97.9 (97.7-98.2)
Adjusted ††	99.1 (98.9-99.2)	98.3 (98.1-98.6)	95.1 (94.7-95.5)	99.1 (98.9-99.3)	98.4 (98.1-98.6)
Graft survival after first kidney transplantation (living donor)					
Unadjusted	96.7 (96.3-97.0)	95.1 (94.7-95.4)	88.3 (87.7-88.8)	96.8 (96.5-97.1)	95.2 (94.8-95.6)
Adjusted ††	96.5 (96.2-96.9)	94.9 (94.5-95.3)	87.7 (87.1-88.3)	96.6 (96.3-97.0)	95.0 (94.6-95.4)

† Analyses were adjusted using fixed values: age (67 years), sex (63% male) and PRD (24% diabetes mellitus, 19% hypertension/renal vascular disease, 11% glomerulonephritis and 46% other causes)

†† Analyses were adjusted using fixed values: age (50 years), sex (63% male) and PRD (14% diabetes mellitus, 10% hypertension/renal vascular disease, 23% glomerulonephritis and 53% other causes)

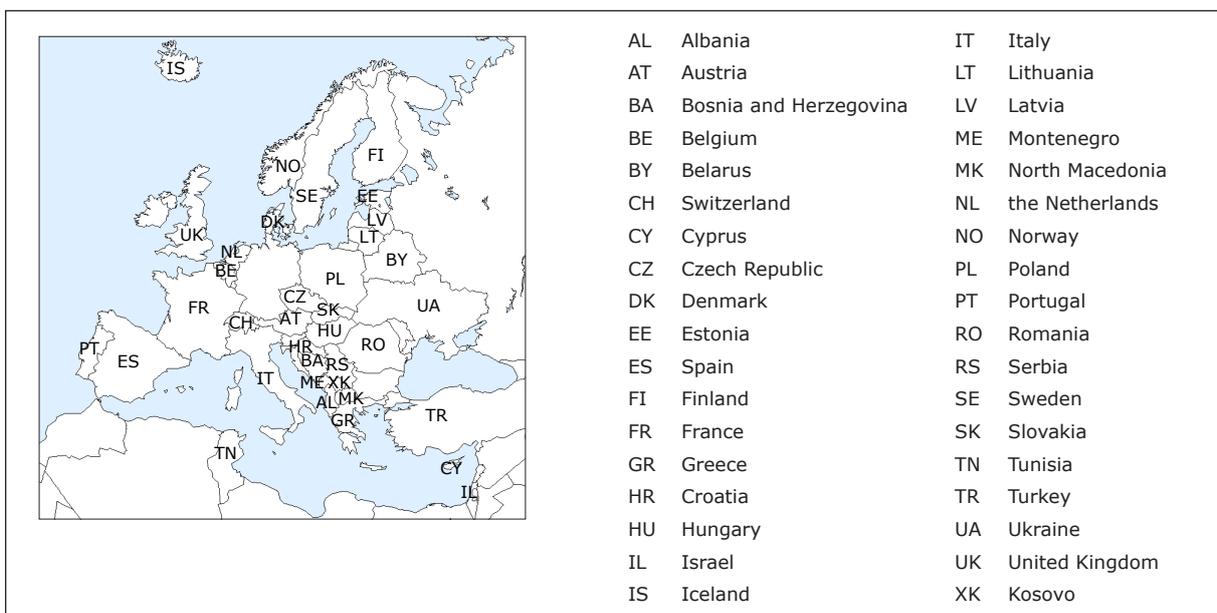
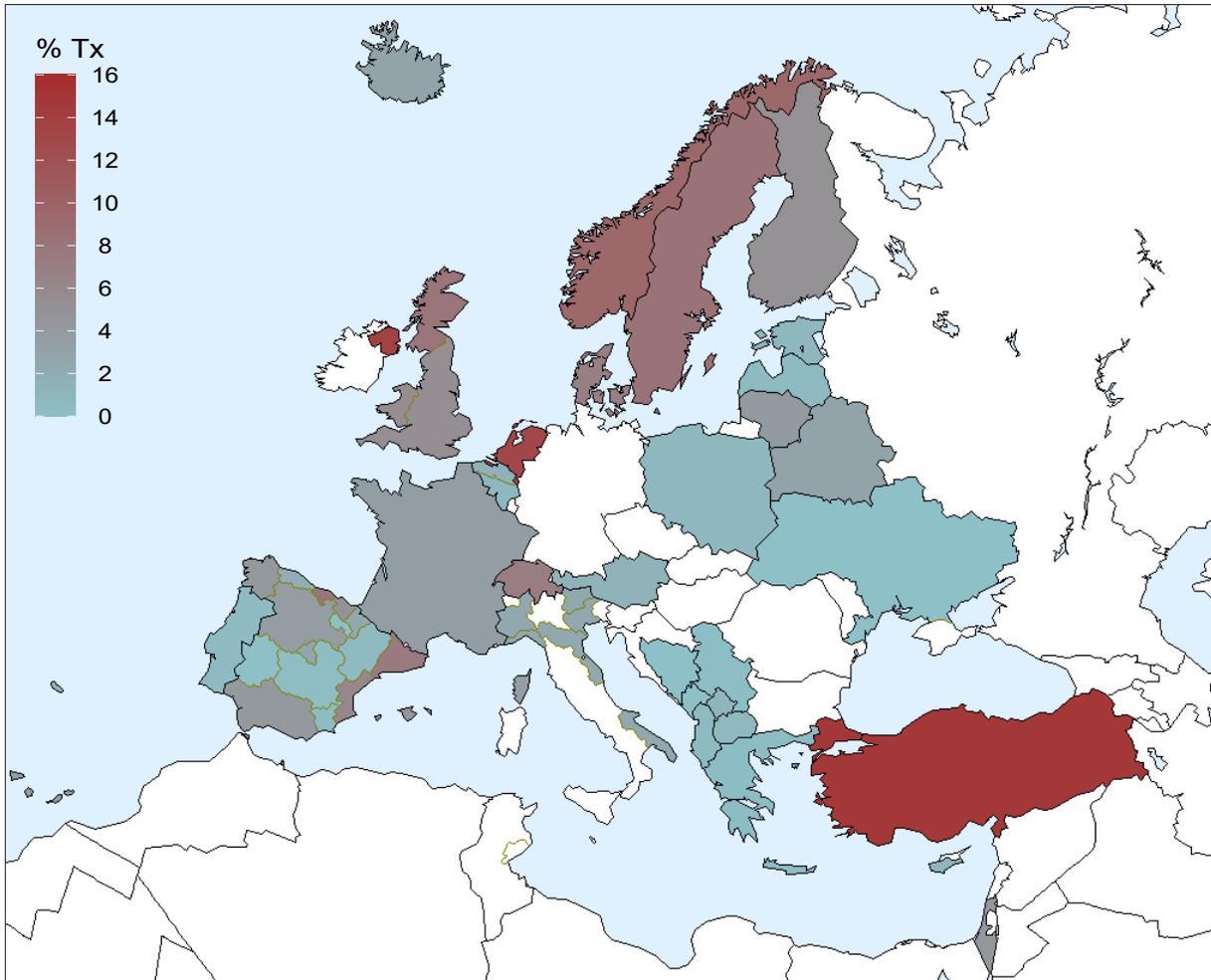
This table summarizes the survival data presented in the tables B.6.1 to B.6.16, and is based on data from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

Figure A.6.1
Expected remaining years of life in the general population and in prevalent dialysis and kidney transplant patients (cohort 2017-2021)
by age



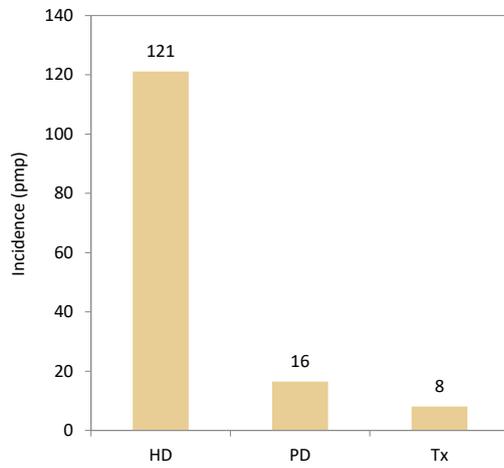
This figure summarizes the data presented in table B.7.1, and is based on data from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castille and León), Spain (Castille-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

Figure A.7.1
Kidney transplant percentage by country / region in incident patients, unadjusted
at day 1



Detailed information on the contents of this figure can be found in table B.2.10 for registries providing individual patient data, and in table C.2.8 for registries providing aggregated data.

Figure A.7.2
Incidence per million population by treatment modality, unadjusted
at day 1

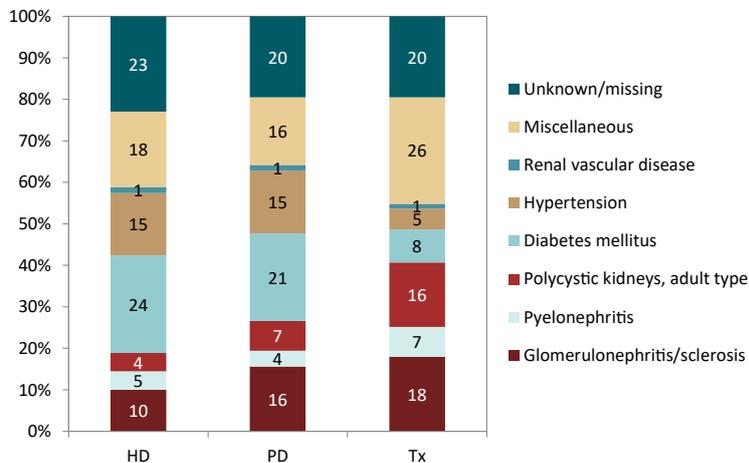
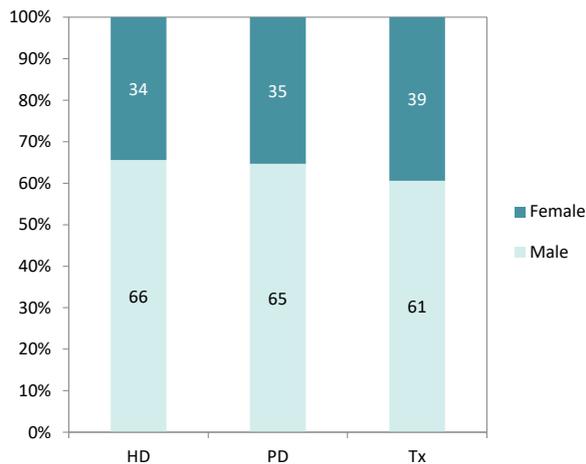
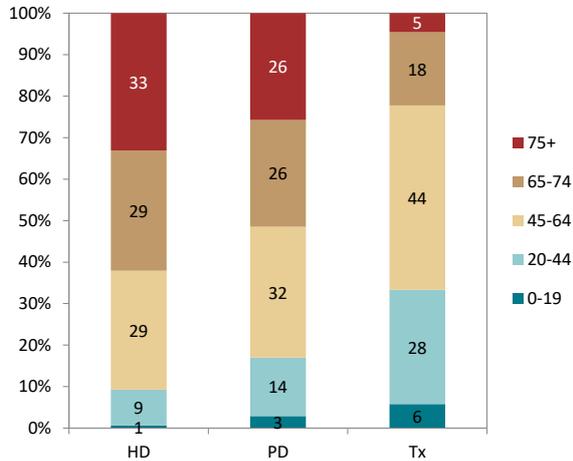


This figure summarizes the data presented in tables B.2.8 and C.2.7.

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant

Figure A.7.3
Age, sex and primary renal disease distribution by treatment modality in incident patients, unadjusted
at day 1

The figures below are only based on data from registries providing individual patient data.

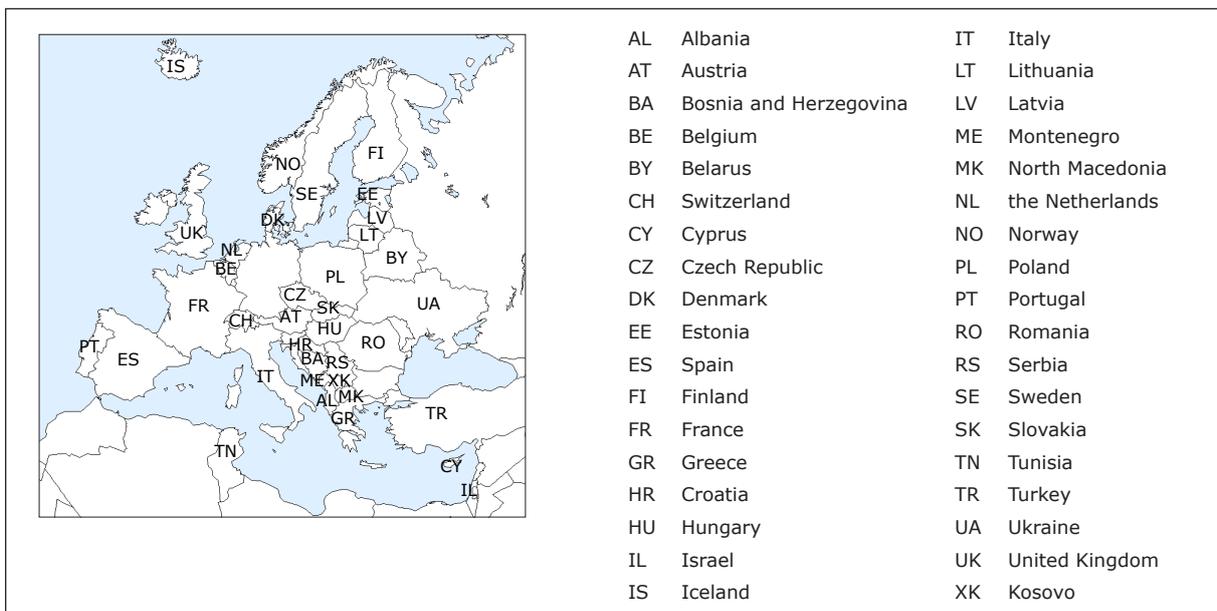
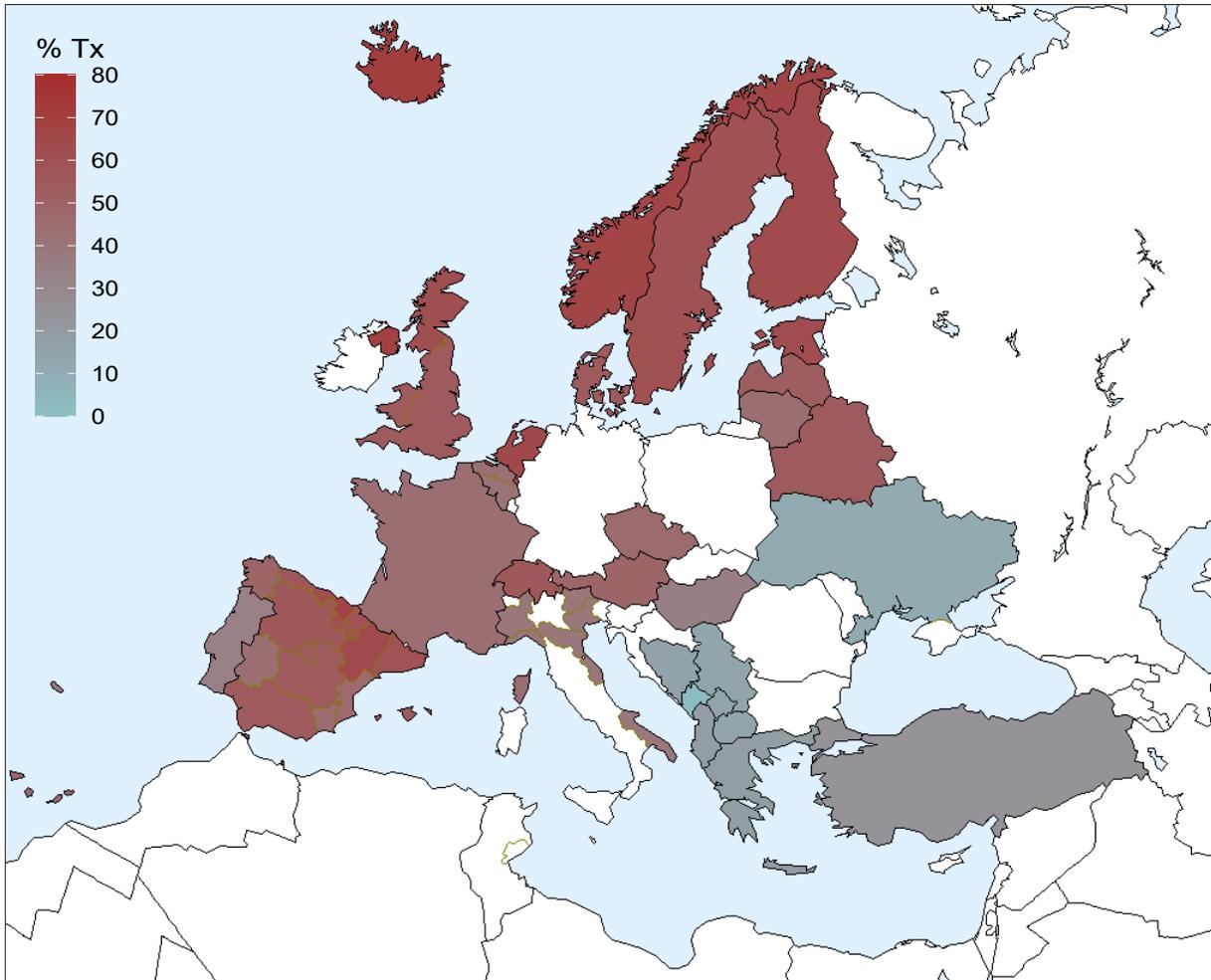


Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant

Figure A.7.4

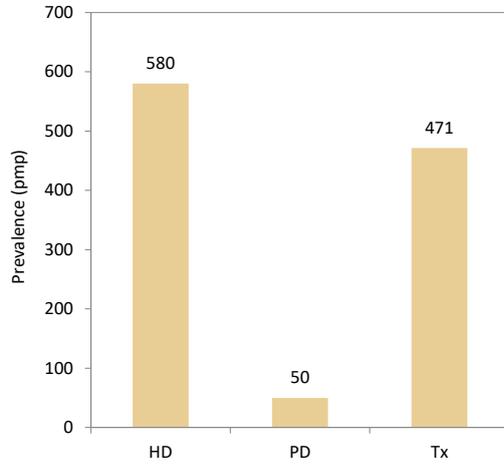
Kidney transplant percentage by country / region in prevalent patients, unadjusted

prevalent patients on December 31



Detailed information on the contents of this figure can be found in table B.4.10 for registries providing individual patient data, and in table C.4.8 for registries providing aggregated data.

Figure A.7.5
Prevalence per million population by treatment modality, unadjusted
prevalent patients on December 31

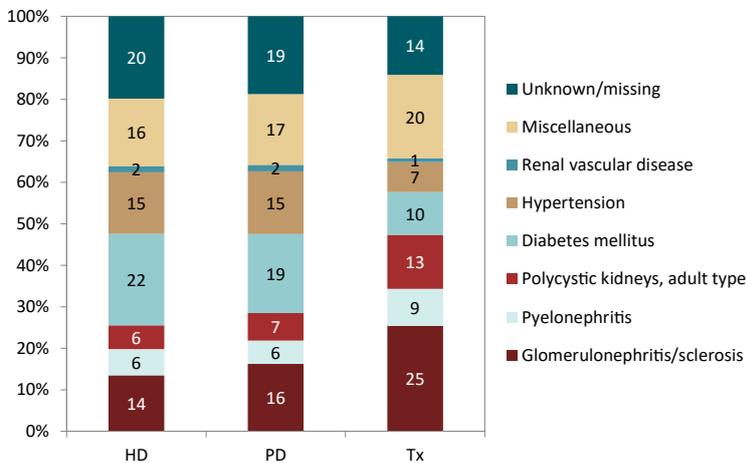
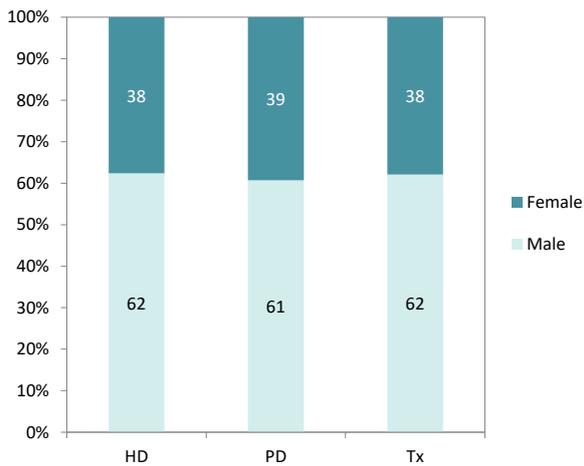
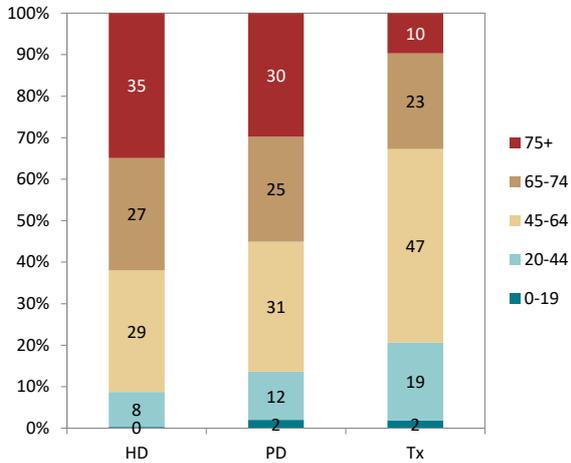


This figure summarizes the data presented in tables B.4.8 and C.4.7.

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant

Figure A.7.6
Age, sex and primary renal disease distribution by treatment modality in prevalent patients, unadjusted
prevalent patients on December 31

The figures below are only based on data from registries providing individual patient data.



Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant

The figures below are only based on data from registries providing individual patient data.

Figure A.7.7
Unadjusted patient survival by modality:
Incident dialysis patients (cohort 2012-2016)
from day 91

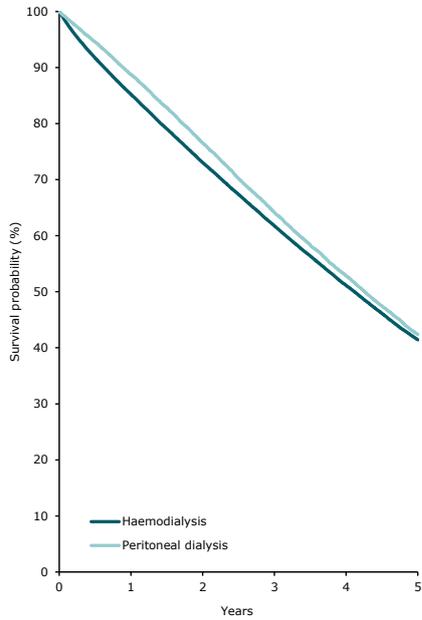


Figure A.7.8
Unadjusted patient survival by donor type:
Patients receiving a first kidney transplant
(cohort 2012-2016)
from day of transplant

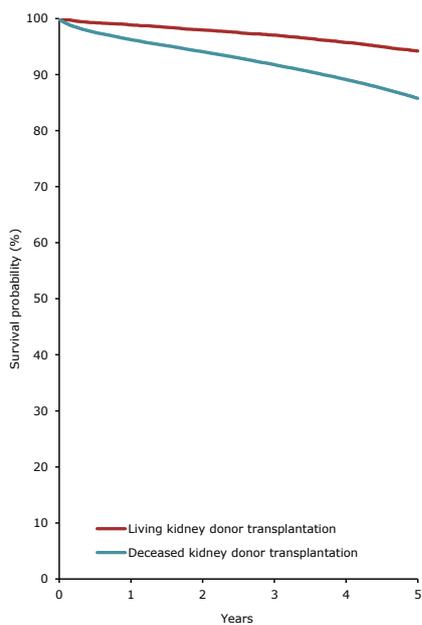
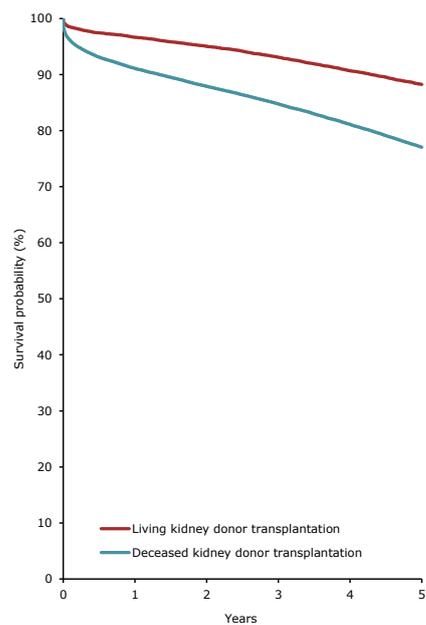


Figure A.7.9
Unadjusted graft survival by donor type:
Patients receiving a first kidney transplant
(cohort 2012-2016)
from day of transplant



Section B: Individual patient data reference tables

Table B.1.1
General population data and number of renal centres

	General population of country/region in thousands	% Coverage of general population by the registry for individual patient data	Total number of renal centres of country/region	Number of renal centres collaborating with the registry for individual patient data
Austria	8933	98.8	78	77
Belgium, Dutch-speaking	6687	100	26	26
Belgium, French-speaking	4899	100	24	24
Bosnia and Herzegovina	3531	100	29	29
Denmark	5857	100	15	15
Estonia	1331	100	3	3
Finland	5541	100	30	30
France (26 of 27 regions)	67356	100	933	933
Greece	10569	100	201	201
Iceland	373	100	1	1
Montenegro	619	100	12	12
Norway	5408	99.9	27	27
Romania	19122	100	142	142
Serbia	6834	95.0	63	52
Spain, Andalusia	8511	100	62	62
Spain, Aragon	1323	100	10	10
Spain, Asturias	1010	100	11	11
Spain, Basque country	2181	100	10	10
Spain, Canary Islands §	2248	100	20	15
Spain, Cantabria	584	100	2	2
Spain, Castile and León	2383	100	22	22
Spain, Castile-La Mancha	2049	100	12	12
Spain, Catalonia	7763	100	49	49
Spain, Community of Madrid	6751	100	38	38
Spain, Extremadura	1060	100	13	13
Spain, Galicia	2694	100	26	26
Spain, La Rioja	316	100	3	3
Spain, Murcia	1518	100	14	14
Spain, Navarre	658	100	3	3
Spain, Valencian region	5058	100	49	49
Sweden	10416	100	67	67
Switzerland	8705	97.1	102	102
the Netherlands ‡	17533	92 - 98	57	57
United Kingdom, England	56536	97.9	59	59
United Kingdom, Northern Ireland	1905	100	6	6
United Kingdom, Scotland	5480	100	10	10
United Kingdom, Wales	3105	100	6	6

|| No data from one centre treating haemodialysis patients only, it is estimated that most of these patients are covered by other centres

§ No data from 5 centers which treat foreign patients only

‡ The percentage coverage is different for the incidence (92%), prevalence (96%) and transplant activity (98%) calculations

Table B.2.1
Incident counts and percentages by age and sex
at day 1

	All			0-19						20-44						45-64						65-74						75+					
	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female									
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%								
Austria §	1068	724	344	8	1	7	1	1	0	94	9	60	8	34	10	324	30	216	30	108	31	332	31	228	31	104	30	310	29	213	29	97	28
Belgium, Dutch-speaking *	1205	773	432							87	7	55	7	32	7	269	22	181	23	88	20	297	25	202	26	95	22	552	46	335	43	217	50
Belgium, French-speaking *	1013	639	374							85	8	49	8	36	10	279	28	174	27	105	28	313	31	213	33	100	27	336	33	203	32	133	36
Bosnia and Herzegovina	428	263	165	3	1	3	1	0	0	36	8	26	10	10	6	172	40	106	40	66	40	138	32	85	32	53	32	79	18	43	16	36	22
Denmark	753	493	260	8	1	3	1	5	2	95	13	58	12	37	14	229	30	135	27	94	36	190	25	138	28	52	20	231	31	159	32	72	28
Estonia	102	62	40	1	1	0	0	1	3	16	16	10	16	6	15	31	30	22	35	9	23	27	26	16	26	11	28	27	26	14	23	13	33
Finland	455	316	139	12	3	8	3	4	3	66	15	45	14	21	15	143	31	94	30	49	35	129	28	86	27	43	31	105	23	83	26	22	16
France (26 of 27 regions)	11416	7517	3899	121	1	81	1	40	1	964	8	580	8	384	10	2857	25	1866	25	991	25	3280	29	2223	30	1057	27	4194	37	2767	37	1427	37
Greece	2952	1987	965	10	0	4	0	6	1	115	4	82	4	33	3	636	22	440	22	196	20	770	26	532	27	238	25	1421	48	929	47	492	51
Iceland	32	23	9	2	6	1	4	1	11	6	19	5	22	1	11	7	22	5	22	2	22	9	28	6	26	3	33	8	25	6	26	2	22
Montenegro *	49	32	17							5	10	3	9	2	12	22	45	14	44	8	47	13	27	10	31	3	18	9	18	5	16	4	24
Norway	530	353	177	8	2	5	1	3	2	56	11	35	10	21	12	170	32	102	29	68	38	142	27	100	28	42	24	154	29	111	31	43	24
Romania	3319	1990	1329	31	1	22	1	9	1	373	11	231	12	142	11	1282	39	786	39	496	37	1092	33	650	33	442	33	541	16	301	15	240	18
Serbia	428	281	145	17	4	11	4	6	4	48	11	29	10	19	13	161	38	104	37	56	39	145	34	99	35	45	31	56	13	37	13	19	13
Spain, Andalusia	1271	813	458	13	1	6	1	7	2	132	10	83	10	49	11	401	32	260	32	141	31	337	27	227	28	110	24	388	31	237	29	151	33
Spain, Aragon	161	110	51	0	0	0	0	0	0	16	10	8	7	8	16	51	32	38	35	13	25	46	29	33	30	13	25	48	30	31	28	17	33
Spain, Asturias	155	109	46	1	1	1	1	0	0	9	6	5	5	4	9	45	29	30	28	15	33	46	30	32	29	14	30	54	35	41	38	13	28
Spain, Basque country	298	213	85	2	1	2	1	0	0	32	11	19	9	13	15	79	27	57	27	22	26	90	30	69	32	21	25	95	32	66	31	29	34
Spain, Canary Islands	391	267	124	3	1	3	1	0	0	35	9	27	10	8	6	131	34	88	33	43	35	127	32	87	33	40	32	95	24	62	23	33	27
Spain, Cantabria *	87	68	19							6	7	5	7	1	5	31	36	22	32	9	47	24	28	22	32	2	11	26	30	19	28	7	37
Spain, Castile and León *	314	224	90							25	8	22	10	3	3	91	29	58	26	33	37	84	27	60	27	24	27	114	36	84	38	30	33
Spain, Castile-La Mancha *	268	179	89							19	7	11	6	8	9	85	32	63	35	22	25	86	32	53	30	33	37	78	29	52	29	26	29
Spain, Catalonia	1481	968	513	14	1	7	1	7	1	113	8	70	7	43	8	451	30	291	30	160	31	403	27	268	28	135	26	500	34	332	34	168	33
Spain, Community of Madrid	850	564	286	8	1	8	1	0	0	93	11	54	10	39	14	284	33	186	33	98	34	225	26	154	27	71	25	240	28	162	29	78	27
Spain, Extremadura	149	94	55	2	1	1	1	1	2	9	6	4	4	5	9	48	32	31	33	17	31	41	28	29	31	12	22	48	32	29	31	19	35
Spain, Galicia	451	308	143	2	0	1	0	1	1	30	7	21	7	9	6	123	27	83	27	40	28	139	31	94	31	45	31	157	35	109	35	48	34
Spain, La Rioja	39	28	11	0	0	0	0	0	0	1	3	1	4	0	0	19	49	13	46	6	55	10	26	7	25	3	27	9	23	7	25	2	18
Spain, Murcia	221	160	61	3	1	2	1	1	2	25	11	15	9	10	16	71	32	51	32	20	33	58	26	45	28	13	21	64	29	47	29	17	28
Spain, Navarre *	82	60	22							10	12	5	8	5	23	33	40	26	43	7	32	21	26	16	27	5	23	18	22	13	22	5	23
Spain, Valencian region	816	536	280	11	1	8	1	3	1	77	9	51	10	26	9	223	27	152	28	71	25	233	29	153	29	80	29	272	33	172	32	100	36
Sweden	1175	771	404	23	2	12	2	11	3	155	13	109	14	46	11	312	27	196	25	116	29	311	26	201	26	110	27	374	32	253	33	121	30
Switzerland	725	494	231	10	1	7	1	3	1	83	11	53	11	30	13	190	26	128	26	62	27	188	26	138	28	50	22	254	35	168	34	86	37
the Netherlands ‡	1934	1233	701	29	1	14	1	15	2	215	11	134	11	81	12	633	33	388	31	245	35	598	31	384	31	214	31	459	24	313	25	146	21
United Kingdom, England #	6570	4205	2365	136	2	85	2	51	2	1048	16	624	15	424	18	2310	35	1493	36	817	35	1625	25	1042	25	583	25	1451	22	961	23	490	21
United Kingdom, Northern Ireland #	241	146	95							0	0	24	10	20	14	82	34	43	29	39	41	65	27	39	27	26	27	66	27	40	27	26	27
United Kingdom, Scotland	602	375	227	13	2	7	2	6	3	76	13	57	15	19	8	234	39	134	36	100	44	164	27	98	26	66	29	115	19	79	21	36	16
United Kingdom, Wales #	359	245	114	8	2					57	16	39	16	18	16	128	36	85	35	43	38	90	25	62	25	28	25	76	21	54	22	22	19

Categories may not add up because of missing values or rounding off
 § The incidence is underestimated by approximately 1% due to one haemodialysis centre not submitting data
 * Patients younger than 20 years of age are not reported
 ‡ The incidence is underestimated by approximately 8%
 # Values based on 1 to 5 patients are suppressed

Table B.2.2
Incidence per million (age-related) population by age and sex, unadjusted
at day 1

	All			0-19			20-44			45-64			65-74			75+		
	All	Male	Female	All	Male	Female												
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp									
Austria	121.0	166.7	76.8	4.7	8.0	1.2	32.8	41.1	24.2	126.4	169.7	83.7	385.3	566.1	226.6	371.7	634.1	194.8
Belgium, Dutch-speaking *	180.2	233.3	128.0				42.4	53.2	31.5	148.7	198.3	98.2	411.9	574.3	257.3	825.3	1202.4	556.1
Belgium, French-speaking *	206.8	265.8	149.9				52.2	59.9	44.5	219.8	274.6	165.2	654.3	958.0	390.5	881.4	1399.8	563.1
Bosnia and Herzegovina	121.2	151.8	91.7	3.8	7.4	0	29.4	41.8	16.6	168.7	213.4	126.3	469.3	659.3	321.0	379.9	536.0	281.8
Denmark	128.6	169.2	88.3	6.2	4.5	8.0	51.8	62.2	41.0	148.2	174.7	121.7	300.0	450.1	159.2	418.1	661.8	230.6
Estonia	76.6	98.1	57.2	3.5	0	7.2	37.5	44.9	29.4	88.8	130.2	50.0	184.6	272.4	125.7	215.8	386.5	146.2
Finland	82.1	115.4	49.6	10.4	13.5	7.1	38.2	50.4	25.1	103.1	135.3	70.8	182.8	257.0	115.9	186.9	368.2	65.4
France (26 of 27 regions)	169.5	230.7	112.1	7.6	9.9	5.1	48.2	58.7	37.9	165.1	221.0	111.9	434.5	633.0	261.8	647.4	1086.5	362.9
Greece	279.3	385.4	178.2	5.0	3.9	6.2	36.6	51.4	21.3	210.3	301.0	125.4	652.0	965.1	377.9	1174.9	1823.7	702.8
Iceland	85.9	120.4	49.6	21.7	21.2	22.4	43.9	69.3	15.5	79.0	110.9	46.0	280.0	373.3	186.7	344.5	569.0	157.8
Montenegro *	79.1	104.6	54.3				23.9	28.1	19.5	136.2	178.1	96.5	203.1	343.5	86.0	258.7	366.3	189.2
Norway	98.1	129.5	66.1	6.5	7.9	5.0	31.2	38.0	24.1	121.7	143.1	99.4	263.0	374.2	154.1	352.6	585.2	174.0
Romania	173.6	213.7	135.5	7.6	10.5	4.5	62.1	74.8	48.7	240.8	298.1	184.6	494.0	682.5	351.3	361.9	562.4	250.1
Serbia	65.9	88.9	43.5	13.4	16.9	9.8	23.2	27.4	18.7	90.7	120.7	61.3	167.5	255.9	94.0	108.5	181.8	60.8
Spain, Andalusia	149.3	193.7	106.2	7.4	6.6	8.2	48.8	60.7	36.7	158.4	207.2	110.5	422.0	599.6	261.9	539.6	816.0	352.3
Spain, Aragon	121.7	168.6	76.1	0	0	0	41.3	40.6	42.0	128.5	189.5	66.2	331.0	498.8	178.5	314.9	505.0	186.8
Spain, Asturias	153.5	225.9	87.3	6.8	13.3	0	34.1	37.7	30.5	136.8	186.7	89.2	340.1	512.4	192.3	400.6	801.1	155.5
Spain, Basque country	136.6	201.9	75.5	5.0	9.7	0	53.5	63.5	43.5	117.4	171.9	64.5	358.2	587.1	157.1	368.0	658.1	183.7
Spain, Canary Islands	173.9	240.0	109.2	7.7	14.9	0	46.5	72.0	21.2	182.9	244.3	120.8	604.1	862.0	366.0	535.6	827.6	322.1
Spain, Cantabria *	149.0	239.0	63.5				36.4	59.9	12.3	168.6	241.8	96.9	349.3	676.9	55.3	399.1	755.4	175.0
Spain, Castile and León *	131.8	190.9	74.4				38.7	66.6	9.5	122.3	154.7	89.3	299.6	433.1	169.2	342.2	623.9	151.1
Spain, Castile-La Mancha *	130.8	174.0	87.2				29.8	33.3	26.0	139.2	202.1	73.5	459.1	578.9	344.5	380.5	615.1	215.9
Spain, Catalonia	190.8	253.4	130.1	9.0	8.8	9.3	45.1	55.0	34.8	202.3	261.6	143.3	540.6	775.8	337.5	682.0	1145.8	378.9
Spain, Community of Madrid	125.9	174.6	81.2	6.0	11.7	0	41.5	49.1	34.3	144.7	197.5	95.9	366.1	562.7	208.2	401.0	706.5	211.3
Spain, Extremadura	140.6	179.4	102.7	10.4	10.1	10.7	28.2	24.5	31.9	148.5	189.9	106.3	385.3	557.3	220.7	407.0	616.4	268.1
Spain, Galicia	167.4	236.9	102.6	4.7	4.6	4.9	40.0	55.6	24.2	149.2	205.5	95.1	428.8	617.1	261.9	420.0	736.5	212.6
Spain, La Rioja	123.4	179.9	68.6	0	0	0	10.9	21.7	0	199.6	271.3	126.9	302.2	433.0	177.2	255.9	489.8	95.8
Spain, Murcia	145.5	210.4	80.5	8.8	11.4	6.1	49.4	57.5	40.8	165.4	235.2	94.2	461.8	758.1	196.3	548.3	990.8	245.4
Spain, Navarre *	124.5	184.5	66.0				51.0	50.6	51.4	170.2	266.0	72.8	317.4	499.8	146.5	266.2	473.7	124.4
Spain, Valencian region	161.3	215.1	109.1	11.2	15.8	6.3	49.1	64.1	33.6	147.5	201.8	93.6	450.3	630.2	291.3	568.2	886.5	351.3
Sweden	112.8	147.1	78.1	9.5	9.6	9.4	46.4	63.3	28.5	122.3	151.9	92.0	287.5	378.6	199.7	366.1	561.3	212.0
Switzerland	85.8	117.8	54.3	5.9	8.1	3.7	29.6	37.2	21.7	80.3	107.7	52.6	230.3	353.2	117.5	325.0	514.3	189.0
the Netherlands	119.9	153.8	86.4	8.4	7.9	8.9	42.5	52.5	32.4	143.1	175.6	110.7	330.5	432.1	232.4	327.2	518.3	182.8
United Kingdom, England #	118.7	155.2	83.7	10.7	13.0	8.2	58.0	70.6	46.0	161.9	212.6	112.7	298.2	397.8	206.0	302.4	463.4	179.8
United Kingdom, Northern Ireland #	126.5	155.8	98.2			0	39.9	67.4		165.7	176.9	154.8	365.8	448.0	286.9	435.5	619.0	299.1
United Kingdom, Scotland	109.9	140.3	80.9	11.4	12.0	10.8	42.7	64.4	21.3	157.0	186.2	129.8	275.4	344.4	212.2	240.4	394.6	129.4
United Kingdom, Wales #	115.6	161.2	71.9	11.6			61.3	85.1	38.2	155.6	211.8	102.0	250.6	356.3	151.2	247.8	403.7	127.2

* Patients younger than 20 years of age are not reported

Values based on 1 to 5 patients are suppressed

Table B.2.3
Sex, mean age, and median age of incident patients
at day 1

	All						Male						Female					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Austria	100	65.7	14.8	68.4	57.3	76.8	67.8	66.0	14.8	69.1	58.0	76.7	32.2	65.2	14.9	67.5	56.0	76.9
Belgium, Dutch-speaking *	100	70.3	14.7	73.7	62.0	81.2	64.1	69.9	14.5	72.9	61.2	80.8	35.9	71.2	15.0	75.1	63.5	82.1
Belgium, French-speaking *	100	67.6	14.6	69.9	59.8	78.0	63.1	67.6	14.2	70.2	60.4	77.6	36.9	67.5	15.2	69.6	59.1	78.6
Bosnia and Herzegovina	100	63.4	13.7	65.3	56.2	73.2	61.4	62.5	14.2	64.8	55.3	72.8	38.6	65.0	12.6	66.8	58.7	73.6
Denmark	100	64.2	16.2	68.4	54.7	76.7	65.5	65.2	15.4	69.4	56.0	76.7	34.5	62.4	17.3	64.6	53.4	76.3
Estonia	100	62.2	16.1	65.6	51.5	75.5	60.8	61.2	15.1	63.1	50.6	73.5	39.2	63.8	17.6	67.6	52.4	76.5
Finland	100	61.3	17.9	66.2	52.9	74.7	69.5	62.0	18.3	67.1	53.0	75.1	30.5	59.9	17.0	64.2	52.3	73.2
France (26 of 27 regions)	100	67.7	15.9	71.0	59.5	78.9	65.8	67.9	15.6	71.2	60.1	78.8	34.2	67.2	16.4	70.8	58.4	79.2
Greece	100	72.1	13.7	74.5	64.5	82.3	67.3	71.7	13.5	74.2	64.1	81.6	32.7	72.8	14.2	75.3	65.2	83.3
Iceland	100	57.7	22.4	67.7	45.7	74.8	71.9	58.6	20.4	67.5	44.6	75.2	28.1	55.4	28.1	68.8	48.6	73.4
Montenegro *	100	62.3	13.3	63.0	55.1	71.9	65.3	62.1	13.6	64.2	54.8	71.8	34.7	62.5	13.2	62.6	55.7	73.3
Norway	100	64.1	16.4	67.3	54.0	76.3	66.6	65.1	16.3	68.7	56.0	77.6	33.4	62.1	16.6	64.4	52.8	74.4
Romania	100	62.2	14.4	64.8	53.6	71.9	60.0	61.6	14.5	64.4	53.2	71.6	40.0	63.0	14.2	65.4	54.6	72.5
Serbia	100	59.9	16.7	64.0	52.1	70.8	65.7	60.4	16.3	64.5	53.0	70.9	33.9	58.8	17.5	63.0	50.6	70.7
Spain, Andalusia	100	64.8	15.6	67.8	55.6	76.6	64.0	64.9	14.9	67.3	55.9	76.3	36.0	64.5	16.7	69.3	55.5	76.7
Spain, Aragon	100	65.7	14.2	68.0	58.8	76.6	68.3	65.9	12.9	67.0	59.2	75.5	31.7	65.4	16.9	70.8	54.6	80.4
Spain, Asturias	100	67.9	14.7	70.1	59.9	78.8	70.3	68.6	15.6	70.5	59.9	79.3	29.7	66.3	12.5	67.7	62.0	76.7
Spain, Basque country	100	65.9	14.9	69.4	57.7	77.0	71.5	66.4	14.2	69.7	60.1	76.6	28.5	64.7	16.6	68.4	54.3	78.0
Spain, Canary Islands	100	64.7	14.2	67.5	56.5	74.8	68.3	64.0	14.6	67.2	56.4	74.3	31.7	66.2	13.1	68.4	58.4	75.7
Spain, Cantabria *	100	66.9	13.8	70.1	58.9	76.5	78.2	67.2	13.8	71.0	59.8	76.2	21.8	65.4	14.0	63.5	56.0	77.7
Spain, Castile and León *	100	67.6	13.4	70.5	60.1	77.4	71.3	67.5	13.6	70.5	60.8	77.4	28.7	67.9	12.9	70.6	58.8	77.9
Spain, Castile-La Mancha *	100	67.1	13.3	68.6	60.1	76.7	66.8	66.8	13.2	68.4	59.8	76.4	33.2	67.7	13.6	69.8	62.0	76.8
Spain, Catalonia	100	66.6	14.8	69.6	58.4	77.6	65.4	66.9	14.6	70.0	58.4	77.8	34.6	65.9	15.2	69.0	58.4	77.2
Spain, Community of Madrid	100	64.3	15.6	66.9	55.5	76.1	66.4	65.0	15.3	67.3	56.9	76.2	33.6	63.1	16.1	66.1	51.7	75.8
Spain, Extremadura	100	66.3	14.7	69.0	57.3	77.1	63.1	66.8	13.6	69.0	57.6	76.6	36.9	65.4	16.5	67.0	56.7	78.8
Spain, Galicia	100	67.4	13.6	70.6	61.3	77.3	68.3	67.5	13.7	70.9	61.8	77.2	31.7	67.0	13.5	69.8	60.1	77.5
Spain, La Rioja	100	64.0	11.6	64.1	54.3	74.8	71.8	63.5	12.2	64.4	54.3	73.9	28.2	65.3	10.4	64.1	60.7	74.8
Spain, Murcia	100	64.3	15.8	67.3	55.8	76.2	72.4	65.3	15.3	68.1	57.8	76.5	27.6	61.5	16.9	64.5	50.3	75.7
Spain, Navarre *	100	62.8	14.4	64.9	55.5	73.8	73.2	63.4	13.7	64.9	55.6	72.6	26.8	61.2	16.3	64.0	48.7	74.9
Spain, Valencian region	100	66.1	15.7	69.3	56.7	77.2	65.7	65.7	15.8	68.8	56.6	76.7	34.3	66.8	15.7	70.6	57.1	79.1
Sweden	100	64.1	17.2	68.7	54.7	76.9	65.6	64.1	17.3	69.1	55.0	76.9	34.4	63.9	17.0	68.4	54.4	76.9
Switzerland	100	65.7	16.6	69.2	57.2	78.2	68.1	66.0	16.4	69.4	58.3	78.2	31.9	65.2	16.9	69.1	54.0	78.1
the Netherlands	100	63.3	15.7	66.8	55.2	74.7	63.8	63.9	15.6	67.4	56.1	75.2	36.2	62.2	15.8	65.9	54.2	73.6
United Kingdom, England	100	60.7	17.1	63.3	50.7	74.1	64.0	61.2	17.0	63.7	51.3	74.2	36.0	59.9	17.2	62.8	49.1	73.6
United Kingdom, Northern Ireland	100	64.3	15.6	66.7	55.7	76.1	60.6	62.6	17.7	66.6	53.2	75.7	39.4	67.1	11.2	66.8	59.5	76.1
United Kingdom, Scotland	100	60.4	0.9	63.0	52.0	72.0	62.3	60.4	16.5	63.0	51.0	73.0	37.7	60.4	15.0	62.0	52.0	71.0
United Kingdom, Wales	100	60.2	17.1	63.4	49.3	73.9	68.2	60.5	17.3	64.1	49.3	74.2	31.8	59.7	16.7	60.9	49.6	72.8

Categories may not add up because of missing values or rounding off

* Patients younger than 20 years of age are not reported

Table B.2.4
Incidence per million population, adjusted
at day 1, adjusted for age and sex

	All	Male	Female
	Pmp	Pmp	Pmp
Austria	116.0	159.2	74.7
Belgium, Dutch-speaking *	165.7	210.3	123.2
Belgium, French-speaking *	221.4	285.1	160.6
Bosnia and Herzegovina	139.7	178.0	103.2
Denmark	122.6	158.8	88.2
Estonia	78.5	105.1	53.0
Finland	76.6	107.7	47.0
France (26 of 27 regions)	163.3	218.5	110.6
Greece	235.1	318.7	155.3
Iceland	96.4	135.6	59.1
Montenegro *	87.9	117.0	60.2
Norway	99.9	131.5	69.7
Romania	171.5	215.9	129.2
Serbia	60.8	82.6	40.1
Spain, Andalusia	150.7	194.2	109.3
Spain, Aragon	111.0	152.0	71.9
Spain, Asturias	120.3	173.5	69.7
Spain, Basque country	120.7	174.7	69.1
Spain, Canary Islands	173.2	236.7	112.6
Spain, Cantabria *	130.0	206.3	57.3
Spain, Castile and León *	105.9	151.5	62.5
Spain, Castile-La Mancha *	127.3	168.2	88.4
Spain, Catalonia	188.4	250.2	129.5
Spain, Community of Madrid	129.7	179.2	82.6
Spain, Extremadura	127.0	161.1	94.4
Spain, Galicia	137.3	191.0	86.0
Spain, La Rioja	112.2	162.0	64.6
Spain, Murcia	158.6	232.3	88.2
Spain, Navarre *	118.4	173.0	66.3
Spain, Valencian region	153.8	203.9	106.1
Sweden	109.4	140.8	79.4
Switzerland	83.4	113.4	54.7
the Netherlands	113.6	143.4	85.3
United Kingdom, England	120.9	155.7	87.7
United Kingdom, Northern Ireland	133.1	160.8	106.7
United Kingdom, Scotland	107.0	135.8	79.6
United Kingdom, Wales	111.1	153.3	70.9

* Patients younger than 20 years of age are not reported

Table B.2.5
Incidence per million population and percentages by primary renal disease, unadjusted
at day 1

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type 1		Type 2		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Austria	121.0	100	11.3	9.4	2.6	2.2	5.7	4.7	3.7	3.1	25.3	20.9	29.0	24.0	20.7	17.1	2.5	2.1	29.0	24.0	20.2	16.7	0	0
Belgium, Dutch-speaking *	180.2	100	18.2	10.1	7.3	4.1	10.2	5.6	5.2	2.9	32.0	17.8	37.2	20.7	18.2	10.1	5.7	3.2	65.5	36.3	17.8	9.9	0	0
Belgium, French-speaking *	206.8	100	15.3	7.4	5.5	2.7	7.8	3.8	3.5	1.7	31.0	15.0	34.5	16.7	35.9	17.4	3.7	1.8	67.8	32.8	36.3	17.6	0	0
Bosnia and Herzegovina	121.2	100	10.2	8.4	9.3	7.7	4.0	3.3	4.5	3.7	26.3	21.7	30.9	25.5	14.2	11.7	2.5	2.1	25.2	20.8	24.9	20.6	0	0
Denmark	128.6	100	14.0	10.9	7.2	5.6	6.5	5.0	7.0	5.4	30.6	23.8	37.6	29.2	15.5	12.1	1.5	1.2	22.0	17.1	24.2	18.9	0	0
Estonia	76.6	100	12.0	15.7	6.8	8.8	4.5	5.9					12.8	16.7	25.5	33.3	1.5	2.0	13.5	17.6	0	0	0	0
Finland	82.1	100	10.1	12.3	5.2	6.4	7.2	8.8	10.5	12.7	15.9	19.3	26.3	32.1	6.0	7.3	0.4	0.4	12.1	14.7	14.8	18.0	0	0
France (26 of 27 regions)	169.5	100	18.3	10.8	7.7	4.6	9.7	5.7					39.3	23.2	42.1	24.9	1.4	0.8	24.4	14.4	26.5	15.6	0	0
Greece	279.3	100	19.9	7.1	14.5	5.2	11.4	4.1	1.8	0.6	60.6	21.7	62.4	22.4	25.2	9.0	5.5	2.0	37.5	13.4	102.9	36.9	0	0
Iceland	85.9	100	5.4	6.3	2.7	3.1	13.4	15.6	5.4	6.3	13.4	15.6	18.8	21.9	16.1	18.8	8.1	9.4	16.1	18.8	5.4	6.3	0	0
Montenegro *	79.1	100	4.8	6.1	1.6	2.0	1.6	2.0	11.3	14.3	9.7	12.2	21.0	26.5	16.1	20.4	0	0	17.8	22.4	16.1	20.4	0	0
Norway	98.1	100	16.3	16.6	4.6	4.7	8.0	8.1	3.9	4.0	12.2	12.5	16.1	16.4	30.2	30.8	0.4	0.4	19.6	20.0	1.9	1.9	1.1	1.1
Romania	173.6	100	21.5	12.4	7.5	4.3	3.2	1.9					17.5	10.1	9.7	5.6	0.9	0.5	28.7	16.5	84.6	48.7	0	0
Serbia	65.9	100	7.1	10.7	6.0	9.1	2.5	3.7					10.5	15.9	17.9	27.1	0.9	1.4	14.8	22.4	6.3	9.6	0	0
Spain, Andalusia	149.3	100	18.4	12.4	8.5	5.7	7.9	5.3					36.5	24.5	17.2	11.5	1.8	1.2	28.4	19.0	30.7	20.5	0	0
Spain, Aragon	121.7	100	13.6	11.2	6.8	5.6	8.3	6.8	4.5	3.7	37.8	31.1	42.3	34.8	24.2	19.9	2.3	1.9	17.4	14.3	6.8	5.6	0	0
Spain, Asturias	153.5	100	21.8	14.2	16.8	11.0	5.9	3.9	3.0	1.9	34.7	22.6	37.6	24.5	32.7	21.3	0	0	20.8	13.5	17.8	11.6	0	0
Spain, Basque country	136.6	100	15.6	11.4	5.5	4.0	11.5	8.4	5.0	3.7	31.6	23.2	36.7	26.8	17.4	12.8	1.4	1.0	29.8	21.8	18.3	13.4	0.5	0.3
Spain, Canary Islands	173.9	100	10.2	5.9	6.2	3.6	12.5	7.2	3.6	2.0	53.4	30.7	56.9	32.7	11.1	6.4	0.9	0.5	42.3	24.3	33.8	19.4	0	0
Spain, Cantabria *	149.0	100	30.8	20.7	5.1	3.4	6.8	4.6	5.1	3.4	30.8	20.7	36.0	24.1	10.3	6.9	3.4	2.3	18.8	12.6	10.3	6.9	27.4	18.4
Spain, Castile and León * ‡	131.8	100	23.1	17.5	8.4	6.4	8.0	6.1	4.2	3.2	24.3	18.5	28.5	21.7	16.4	12.4	0.8	0.6	28.1	21.3	18.5	14.0	0	0
Spain, Castile-La Mancha *	130.8	100	20.5	15.7	10.7	8.2	7.8	6.0					36.1	27.6	11.7	9.0	1.5	1.1	15.6	11.9	26.8	20.5	0	0
Spain, Catalonia	190.8	100	20.7	10.9	6.4	3.4	12.4	6.5	2.6	1.4	38.1	20.0	41.2	21.6	14.4	7.6	4.5	2.4	18.4	9.7	46.9	24.6	25.8	13.5
Spain, Community of Madrid	125.9	100	18.4	14.6	6.7	5.3	10.1	8.0	4.3	3.4	30.7	24.4	35.0	27.8	12.1	9.6	2.2	1.8	33.9	26.9	7.6	6.0	0	0
Spain, Extremadura	140.6	100	20.8	14.8	6.6	4.7	4.7	3.4					33.0	23.5	14.2	10.1	2.8	2.0	19.8	14.1	34.9	24.8	3.8	2.7
Spain, Galicia	167.4	100	22.6	13.5	5.2	3.1	14.5	8.6	3.0	1.8	39.0	23.3	41.9	25.1	15.2	9.1	1.9	1.1	27.8	16.6	38.2	22.8	0	0
Spain, La Rioja	123.4	100	28.5	23.1	3.2	2.6	0	0	0	0	38.0	30.8	38.0	30.8	22.1	17.9	0	0	28.5	23.1	3.2	2.6	0	0
Spain, Murcia	145.5	100	23.7	16.3	6.6	4.5	4.6	3.2	7.2	5.0	29.0	19.9	36.2	24.9	12.5	8.6	0	0	29.0	19.9	32.9	22.6	0	0
Spain, Navarre *	124.5	100	13.7	11.0	3.0	2.4	7.6	6.1	6.1	4.9	27.3	22.0	33.4	26.8	13.7	11.0	0	0	30.4	24.4	22.8	18.3	0	0
Spain, Valencian region	161.3	100	17.8	11.0	7.7	4.8	11.5	7.1					32.2	20.0	26.9	16.7	1.2	0.7	37.6	23.3	26.5	16.4	0	0
Sweden ‡	112.8	100	15.6	13.9	3.4	3.0	9.6	8.5	6.6	5.9	21.9	19.4	28.5	25.3	22.5	19.9	1.2	1.0	21.7	19.2	10.4	9.2	0	0
Switzerland	85.8	100	11.7	13.7	1.9	2.2	4.1	4.8	2.1	2.5	14.0	16.3	16.1	18.8	17.9	20.8	3.1	3.6	25.4	29.7	5.6	6.5	0	0
the Netherlands	119.9	100	13.3	11.1	3.5	2.9	6.2	5.2	3.8	3.2	21.3	17.7	25.0	20.9	19.2	16.0	6.4	5.3	29.7	24.8	15.9	13.2	0.8	0.7
United Kingdom, England #	118.7	100	12.7	10.7	5.3	4.5	5.9	4.9					30.6	25.8	6.9	5.8	1.3	1.1	20.5	17.2	15.1	12.7	20.4	17.2
United Kingdom, Northern Ireland #	126.5	100	12.1	9.5	8.4	6.6	7.9	6.2					27.3	21.6	6.8	5.4			27.8	22.0	16.3	12.9	17.3	13.7
United Kingdom, Scotland	109.9	100	14.1	12.8	5.5	5.0	6.4	5.8					31.4	28.6	4.6	4.2	1.3	1.2	33.9	30.9	12.8	11.6	0	0
United Kingdom, Wales #	115.6	100	19.6	17.0	6.1	5.3	4.2	3.6					36.1	31.2	4.8	4.2			26.4	22.8	15.1	13.1	2.3	1.9

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown
Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

‡ Mapping the 2018 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

Values based on 1 to 5 patients are suppressed

Table B.2.6
Incidence per million population by primary renal disease, adjusted
at day 1, adjusted for age and sex

	All	GN	PN	PKD	DM			HT	RVD	Misc	Unkn	Missing
	Pmp	Pmp	Pmp	Pmp	Type 1	Type 2	Both	Pmp	Pmp	Pmp	Pmp	Pmp
					Pmp	Pmp	Pmp					
Austria	116.0	11.0	2.5	5.5	3.8	24.0	27.8	19.7	2.3	27.9	19.2	0
Belgium, Dutch-speaking *	165.7	17.3	7.0	10.0	5.2	28.8	34.1	16.5	5.0	59.6	16.2	0
Belgium, French-speaking *	221.4	16.2	5.9	8.2	3.7	32.7	36.5	39.5	4.1	72.2	38.9	0
Bosnia and Herzegovina	139.7	10.2	10.8	4.6	4.6	29.2	33.8	15.8	3.4	30.9	30.2	0
Denmark	122.6	14.2	6.8	6.5	7.2	28.3	35.5	14.3	1.5	21.0	22.9	0
Estonia	78.5	11.6	7.1	4.5			13.0	27.1	1.5	13.6	0	0
Finland	76.6	9.6	4.8	7.2	10.9	13.8	24.7	5.2	0.3	11.6	13.2	0
France (26 of 27 regions)	163.3	18.3	7.5	9.9			37.7	39.4	1.3	23.8	25.2	0
Greece	235.1	18.4	12.5	10.5	1.8	51.3	53.0	20.4	4.5	31.8	83.9	0
Iceland	96.4	5.2	3.3	15.6	5.5	13.8	19.3	21.3	10.2	16.0	5.5	0
Montenegro *	87.9	5.2	1.7	1.5	11.3	10.3	21.6	18.9	0	21.9	17.2	0
Norway	99.9	16.4	4.6	8.4	4.0	12.4	16.4	30.7	0.3	20.0	1.9	1.1
Romania	171.5	21.2	7.4	3.1			16.9	9.7	1.0	28.6	83.6	0
Serbia	60.8	6.7	5.8	2.1			9.2	16.2	0.8	14.2	5.8	0
Spain, Andalusia	150.7	18.1	8.6	7.5			37.0	17.7	1.8	28.9	31.1	0
Spain, Aragon	111.0	12.6	6.3	7.6	5.0	33.2	38.2	22.0	2.0	16.1	6.2	0
Spain, Asturias	120.3	16.9	13.9	5.0	2.5	26.1	28.5	23.4	0	18.4	14.2	0
Spain, Basque country	120.7	14.7	5.3	10.2	4.6	26.8	31.4	15.0	1.1	26.1	16.5	0.4
Spain, Canary Islands	173.2	9.9	6.2	11.3	3.1	54.1	57.2	11.2	0.8	43.0	33.6	0
Spain, Cantabria *	130.0	26.3	4.3	6.9	4.6	26.5	31.0	7.5	3.2	16.4	9.8	24.6
Spain, Castile and León * ‡	105.9	19.9	6.6	6.8	4.1	18.8	22.9	12.5	0.7	22.3	14.1	0
Spain, Castile-La Mancha *	127.3	20.0	10.3	7.7			35.7	11.2	1.4	15.6	25.5	0
Spain, Catalonia	188.4	20.4	6.6	11.9	2.5	38.2	41.2	14.2	4.4	18.3	45.9	25.4
Spain, Community of Madrid	129.7	18.4	6.9	10.0	4.1	32.6	36.7	12.6	2.3	34.9	7.9	0
Spain, Extremadura	127.0	18.3	5.8	4.2			29.1	12.5	2.3	18.8	32.5	3.6
Spain, Galicia	137.3	19.1	4.5	12.4	3.0	30.5	33.5	12.1	1.6	23.4	30.7	0
Spain, La Rioja	112.2	25.8	2.7	0	0	34.8	34.8	20.2	0	25.9	2.7	0
Spain, Murcia	158.6	25.6	7.0	4.5	6.7	32.8	39.5	14.0	0	31.6	36.4	0
Spain, Navarre *	118.4	12.9	2.7	7.5	6.0	25.2	31.2	13.1	0	29.8	21.2	0
Spain, Valencian region	153.8	17.2	7.4	10.8			30.8	25.5	1.1	36.0	25.0	0
Sweden ‡	109.4	15.5	3.1	10.1	7.0	20.9	27.9	20.3	1.1	21.1	10.3	0
Switzerland	83.4	11.3	1.9	4.1	2.1	13.4	15.5	17.3	2.9	25.0	5.4	0
the Netherlands	113.6	12.5	3.3	6.1	3.8	19.8	23.6	18.0	5.9	28.2	15.2	0.8
United Kingdom, England #	120.9	13.0	5.4	6.2			31.3	7.1	1.3	20.7	15.3	20.6
United Kingdom, Northern Ireland #	133.1	12.6	8.6	8.6			28.7	7.0		29.3	17.4	17.8
United Kingdom, Scotland	107.0	13.7	5.3	6.4			30.6	4.3	1.3	33.0	12.4	0
United Kingdom, Wales #	111.1	19.6	6.0	4.6			35.3	4.6		24.4	13.7	2.2

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown
 Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

‡ Mapping the 2018 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

Values based on 1 to 5 patients are suppressed

Table B.2.7
Incident counts by treatment modality
at day 1

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Unkn	Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Austria §	1068	860	0	1	2	96	959	22	68	4	94	8	7	0	15	0	0
Belgium, Dutch-speaking *	1205	747	8	0	1	325	1081	53	51	0	104	6	14	0	20	0	0
Belgium, French-speaking *	1013	576	11	0	75	273	935	30	39	0	69	3	6	0	9	0	0
Bosnia and Herzegovina	428	390	0	0	0	33	423	0	5	0	5	0	0	0	0	0	0
Denmark	753	461	0	0		461	90	148	1	239	22	31	0	53	0	0	
Estonia	102	83	0	0	0	0	83	18	0	0	18	1	0	0	1	0	0
Finland	455	314	13	0	0	6	333	25	74	0	99	8	9	6	23	0	0
France (26 of 27 regions)	11416	7574	8	10	24	2209	9825	225	940	9	1174	185	232	0	417	0	0
Greece	2952	2796	0	0	0	33	2829	21	93	0	114	9	0	0	9	0	0
Iceland	32	23	0	0		23	0	8	0	8	0	1	0	1	0	0	0
Montenegro *	49	49	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0
Norway	530	324	0	0		324	155	155	23	28	0	51	0	0	0	0	0
Romania	3319	3276	0	0	0	7	3283	3	30	0	33	3	0	0	3	0	0
Serbia	428	381	9	0	0	2	392	11	24	0	35	1	0	0	1	0	0
Spain, Andalusia	1271	1017	6	0		1023	194	194	22	32	0	54	0	0	0	0	0
Spain, Aragon	161	118	3	0		135	7	18	0	25	1	0	0	1	0	0	0
Spain, Asturias	155	111	0	0		111	4	37	0	41	1	2	0	3	0	0	0
Spain, Basque country	298	211	1	0		212	1	70	0	71	10	5	0	15	0	0	0
Spain, Canary Islands	391	295	2	0	0	0	297	0	0	80	80	6	8	0	14	0	0
Spain, Cantabria *	87	71	0	0		71	0	9	0	9	0	7	0	7	0	0	0
Spain, Castile and León *	314	250	3	0		253	15	34	0	49	8	4	0	12	0	0	0
Spain, Castile-La Mancha *	268	222	0	0		222	8	37	0	45	0	1	0	1	0	0	0
Spain, Catalonia	1481	884	13	0		269	1166	23	179	0	202	73	40	0	113	0	0
Spain, Community of Madrid	850	686	1	0		687	33	107	0	140	12	11	0	23	0	0	0
Spain, Extremadura	149	137	0	0		137	8	4	0	12	0	0	0	0	0	0	0
Spain, Galicia	451	325	6	0	0	0	331	9	92	0	101	15	4	0	19	0	0
Spain, La Rioja	39	26	0	0	0	0	26	2	11	0	13	0	0	0	0	0	0
Spain, Murcia	221	192	0	0	0	0	192	0	28	0	28	1	0	0	1	0	0
Spain, Navarre *	82	61	0	0		61	19	0	0	19	0	2	0	2	0	0	0
Spain, Valencian region	816	627	3	0		630	10	125	0	135	8	43	0	51	0	0	0
Sweden	1175	673	1	0		674	402	402	43	56	0	99	0	0	0	0	0
Switzerland	725	574	7	14	5	0	600	15	55	3	73	41	11	0	52	0	0
the Netherlands †	1934	1306	2	0		21	1329	132	217	0	349	224	30	0	254	2	0
United Kingdom, England #	6570	3938	27		21	786	4775	645	761	37	1443	160	187		352	0	0
United Kingdom, Northern Ireland #	241	161		0	0	0	162	40			46	23	10	0	33	0	0
United Kingdom, Scotland	602	444	1	0		445	53	37	18	108	0	0	49	49	0	0	0
United Kingdom, Wales #	359	254		0	0	30	286	12	40		53	14	6	0	20	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant

When cells are left empty, (complete) data are unavailable

§ The incidence is underestimated by approximately 1% due to an estimated 1.2% underestimation of the incidence of haemodialysis

* Patients younger than 20 years of age are not reported

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

‡ The incidence is underestimated by approximately 8%

Values based on 1 to 5 patients are suppressed

Table B.2.8
Incidence per million population by treatment modality, unadjusted
at day 1

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Unkn	Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Austria	121.0	97.4	0	0.1	0.2	10.9	108.7	2.5	7.7	0.5	10.7	0.9	0.8	0	1.7	0	0
Belgium, Dutch-speaking *	180.2	111.7	1.2	0	0.1	48.6	161.7	7.9	7.6	0	15.6	0.9	2.1	0	3.0	0	0
Belgium, French-speaking *	206.8	117.6	2.2	0	15.3	55.7	190.9	6.1	8.0	0	14.1	0.6	1.2	0	1.8	0	0
Bosnia and Herzegovina	121.2	110.4	0	0	0	9.3	119.8	0	1.4	0	1.4	0	0	0	0	0	0
Denmark	128.6	78.7	0	0			78.7	15.4	25.3	0.2	40.8	3.8	5.3	0	9.0	0	0
Estonia	76.6	62.4	0	0	0	0	62.4	13.5	0	0	13.5	0.8	0	0	0.8	0	0
Finland	82.1	56.7	2.3	0	0	1.1	60.1	4.5	13.4	0	17.9	1.4	1.6	1.1	4.2	0	0
France (26 of 27 regions)	169.5	112.4	0.1	0.1	0.4	32.8	145.9	3.3	14.0	0.1	17.4	2.7	3.4	0	6.2	0	0
Greece	279.3	264.5	0	0	0	3.1	267.7	2.0	8.8	0	10.8	0.9	0	0	0.9	0	0
Iceland	85.9	61.7	0	0			61.7	0	21.5	0	21.5	0	2.7	0	2.7	0	0
Montenegro *	79.1	79.1	0	0	0	0	79.1	0	0	0	0	0	0	0	0	0	0
Norway	98.1	60.0	0	0			60.0			28.7	28.7	4.3	5.2	0	9.4	0	0
Romania	173.6	171.3	0	0	0	0.4	171.7	0.2	1.6	0	1.7	0.2	0	0	0.2	0	0
Serbia	65.9	58.7	1.4	0	0	0.3	60.4	1.7	3.7	0	5.4	0.2	0	0	0.2	0	0
Spain, Andalusia	149.3	119.5	0.7	0			120.2			22.8	22.8	2.6	3.8	0	6.3	0	0
Spain, Aragon	121.7	89.2	2.3	0		10.6	102.1	5.3	13.6	0	18.9	0.8	0	0	0.8	0	0
Spain, Asturias	153.5	109.9	0	0		0	109.9	4.0	36.6	0	40.6	1.0	2.0	0	3.0	0	0
Spain, Basque country	136.6	96.7	0.5	0			97.2	0.5	32.1	0	32.5	4.6	2.3	0	6.9	0	0
Spain, Canary Islands	173.9	131.2	0.9	0	0	0	132.1	0	0	35.6	35.6	2.7	3.6	0	6.2	0	0
Spain, Cantabria *	149.0	121.6	0	0			121.6	0	15.4	0	15.4	0	12.0	0	12.0	0	0
Spain, Castile and León *	131.8	104.9	1.3	0			106.2	6.3	14.3	0	20.6	3.4	1.7	0	5.0	0	0
Spain, Castile-La Mancha *	130.8	108.3	0	0			108.3	3.9	18.1	0	22.0	0	0.5	0	0.5	0	0
Spain, Catalonia	190.8	113.9	1.7	0		34.6	150.2	3.0	23.1	0	26.0	9.4	5.2	0	14.6	0	0
Spain, Community of Madrid	125.9	101.6	0.1	0			101.8	4.9	15.8	0	20.7	1.8	1.6	0	3.4	0	0
Spain, Extremadura	140.6	129.3	0	0			129.3	7.6	3.8	0	11.3	0	0	0	0	0	0
Spain, Galicia	167.4	120.6	2.2	0	0	0	122.9	3.3	34.1	0	37.5	5.6	1.5	0	7.1	0	0
Spain, La Rioja	123.4	82.3	0	0	0	0	82.3	6.3	34.8	0	41.1	0	0	0	0	0	0
Spain, Murcia	145.5	126.4	0	0	0	0	126.4	0	18.4	0	18.4	0.7	0	0	0.7	0	0
Spain, Navarre *	124.5	92.6	0	0			92.6	28.9	0	0	28.9	0	3.0	0	3.0	0	0
Spain, Valencian region	161.3	124.0	0.6	0			124.6	2.0	24.7	0	26.7	1.6	8.5	0	10.1	0	0
Sweden	112.8	64.6	0.1	0			64.7			38.6	38.6	4.1	5.4	0	9.5	0	0
Switzerland	85.8	67.9	0.8	1.7	0.6	0	71.0	1.8	6.5	0.4	8.6	4.9	1.3	0	6.2	0	0
the Netherlands	119.9	81.0	0.1	0		1.3	82.4	8.2	13.5	0	21.6	13.9	1.9	0	15.7	0.1	0
United Kingdom, England #	118.7	71.1	0.5		0.4	14.2	86.3	11.7	13.7	0.7	26.1	2.9	3.4		6.4	0	0
United Kingdom, Northern Ireland #	126.5	84.5		0	0	0	85.1	21.0			24.2	12.1	5.3	0	17.3	0	0
United Kingdom, Scotland	109.9	81.0	0.2	0			81.2	9.7	6.8	3.3	19.7	0	0	8.9	8.9	0	0
United Kingdom, Wales #	115.6	81.8		0	0	9.7	92.1	3.9	12.9		17.1	4.5	1.9	0	6.4	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.2.9
Incidence per million population by treatment modality, adjusted
at day 1, adjusted for age and sex

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Unkn	Missing
	Pmp	HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp		
Austria	116.0	93.1	0	0.1	0.2	10.4	103.8	2.5	7.6	0.5	10.5	0.9	0.8	0	1.7	0	0
Belgium, Dutch-speaking *	165.7	102.8	1.1	0	0.1	43.8	147.9	7.6	7.2	0	14.8	1.0	2.1	0	3.0	0	0
Belgium, French-speaking *	221.4	125.7	2.3	0	16.4	60.0	204.5	6.5	8.4	0	15.0	0.6	1.3	0	1.9	0	0
Bosnia and Herzegovina	139.7	128.5	0	0	0	9.8	138.3	0	1.4	0	1.4	0	0	0	0	0	0
Denmark	122.6	74.8	0	0			74.8	14.2	24.1	0.2	38.6	3.9	5.4	0	9.3	0	0
Estonia	78.5	63.6	0	0	0	0	63.6	14.2	0	0	14.2	0.7	0	0	0.7	0	0
Finland	76.6	52.7	2.3	0	0	1.0	56.0	4.3	11.9	0	16.2	1.5	1.7	1.2	4.3	0	0
France (26 of 27 regions)	163.3	108.2	0.1	0.1	0.4	31.4	140.2	3.3	13.2	0.1	16.6	2.8	3.7	0	6.5	0	0
Greece	235.1	221.8	0	0	0	2.7	224.5	1.9	7.7	0	9.6	0.9	0	0	0.9	0	0
Iceland	96.4	70.6	0	0			70.6	0	23.2	0	23.2	0	2.7	0	2.7	0	0
Montenegro *	87.9	87.9	0	0	0	0	87.9	0	0	0	0	0	0	0	0	0	0
Norway	99.9	61.2	0	0			61.2			29.0	29.0	4.3	5.4	0	9.7	0	0
Romania	171.5	169.3	0	0	0	0.3	169.7	0.1	1.5	0	1.7	0.2	0	0	0.2	0	0
Serbia	60.8	53.8	1.2	0	0	0.3	55.3	1.9	3.5	0	5.4	0.2	0	0	0.2	0	0
Spain, Andalusia	150.7	121.3	0.7	0			122.0			22.6	22.6	2.5	3.7	0	6.1	0	0
Spain, Aragon	111.0	80.9	1.8	0		9.8	92.5	5.4	12.4	0	17.9	0.7	0	0	0.7	0	0
Spain, Asturias	120.3	84.1	0	0		0	84.1	5.3	28.8	0	34.1	0.7	1.4	0	2.2	0	0
Spain, Basque country	120.7	85.3	0.4	0			85.7	0.4	28.0	0	28.4	4.4	2.1	0	6.6	0	0
Spain, Canary Islands	173.2	131.4	0.9	0	0	0	132.3	0	0	34.6	34.6	2.6	3.6	0	6.2	0	0
Spain, Cantabria *	130.0	105.4	0	0			105.4	0	14.5	0	14.5	0	10.1	0	10.1	0	0
Spain, Castile and León *	105.9	82.7	1.1	0			83.7	5.6	11.8	0	17.3	3.4	1.5	0	4.9	0	0
Spain, Castile-La Mancha *	127.3	105.4	0	0			105.4	3.8	17.7	0	21.4	0	0.5	0	0.5	0	0
Spain, Catalonia	188.4	112.3	1.7	0		34.3	148.2	2.9	23.1	0	25.9	9.2	5.0	0	14.3	0	0
Spain, Community of Madrid	129.7	105.1	0.1	0			105.3	4.8	16.2	0	20.9	1.8	1.7	0	3.5	0	0
Spain, Extremadura	127.0	116.7	0	0			116.7	6.8	3.5	0	10.3	0	0	0	0	0	0
Spain, Galicia	137.3	97.7	2.0	0	0	0	99.7	3.1	28.0	0	31.2	5.1	1.3	0	6.4	0	0
Spain, La Rioja	112.2	74.7	0	0	0	0	74.7	5.7	31.8	0	37.5	0	0	0	0	0	0
Spain, Murcia	158.6	138.8	0	0	0	0	138.8	0	19.2	0	19.2	0.6	0	0	0.6	0	0
Spain, Navarre *	118.4	87.5	0	0			87.5	27.7	0	0	27.7	0	3.2	0	3.2	0	0
Spain, Valencian region	153.8	118.0	0.6	0			118.6	2.0	23.5	0	25.6	1.6	8.1	0	9.7	0	0
Sweden	109.4	62.1	0.1	0			62.2			37.3	37.3	4.3	5.6	0	9.9	0	0
Switzerland	83.4	66.0	0.8	1.6	0.6	0	69.1	1.8	6.2	0.4	8.3	4.7	1.3	0	6.0	0	0
the Netherlands	113.6	76.2	0.1	0		1.2	77.5	8.0	12.8	0	20.7	13.4	1.8	0	15.2	0.1	0
United Kingdom, England #	120.9	72.6	0.5		0.4	14.4	88.0	11.9	13.9	0.6	26.4	2.9	3.5	0	6.5	0	0
United Kingdom, Northern Ireland #	133.1	89.1		0	0	0	89.7	22.1			25.3	12.7	5.4	0	18.1	0	0
United Kingdom, Scotland	107.0	78.6	0.2	0			78.8	9.5	6.5	3.3	19.3	0	0	8.9	8.9	0	0
United Kingdom, Wales #	111.1	78.4		0	0	8.9	88.0	3.6	12.6		16.6	4.9	1.7	0	6.6	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.2.10
Treatment modality distribution, unadjusted
at day 1

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Unkn	Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%		
Austria	100	80.5	0	0.1	0.2	9.0	89.8	2.1	6.4	0.4	8.8	0.7	0.7	0	1.4	0	0
Belgium, Dutch-speaking *	100	62.0	0.7	0	0.1	27.0	89.7	4.4	4.2	0	8.6	0.5	1.2	0	1.7	0	0
Belgium, French-speaking *	100	56.9	1.1	0	7.4	26.9	92.3	3.0	3.8	0	6.8	0.3	0.6	0	0.9	0	0
Bosnia and Herzegovina	100	91.1	0	0	0	7.7	98.8	0	1.2	0	1.2	0	0	0	0	0	0
Denmark	100	61.2	0	0			61.2	12.0	19.7	0.1	31.7	2.9	4.1	0	7.0	0	0
Estonia	100	81.4	0	0	0	0	81.4	17.6	0	0	17.6	1.0	0	0	1.0	0	0
Finland	100	69.0	2.9	0	0	1.3	73.2	5.5	16.3	0	21.8	1.8	2.0	1.3	5.1	0	0
France (26 of 27 regions)	100	66.3	0.1	0.1	0.2	19.4	86.1	2.0	8.2	0.1	10.3	1.6	2.0	0	3.7	0	0
Greece	100	94.7	0	0	0	1.1	95.8	0.7	3.2	0	3.9	0.3	0	0	0.3	0	0
Iceland	100	71.9	0	0			71.9	0	25.0	0	25.0	0	3.1	0	3.1	0	0
Montenegro *	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Norway	100	61.1	0	0			61.1			29.2	29.2	4.3	5.3	0	9.6	0	0
Romania	100	98.7	0	0	0	0.2	98.9	0.1	0.9	0	1.0	0.1	0	0	0.1	0	0
Serbia	100	89.0	2.1	0	0	0.5	91.6	2.6	5.6	0	8.2	0.2	0	0	0.2	0	0
Spain, Andalusia	100	80.0	0.5	0			80.5			15.3	15.3	1.7	2.5	0	4.2	0	0
Spain, Aragon	100	73.3	1.9	0		8.7	83.9	4.3	11.2	0	15.5	0.6	0	0	0.6	0	0
Spain, Asturias	100	71.6	0	0		0	71.6	2.6	23.9	0	26.5	0.6	1.3	0	1.9	0	0
Spain, Basque country	100	70.8	0.3	0			71.1	0.3	23.5	0	23.8	3.4	1.7	0	5.0	0	0
Spain, Canary Islands	100	75.4	0.5	0	0	0	76.0	0	0	20.5	20.5	1.5	2.0	0	3.6	0	0
Spain, Cantabria *	100	81.6	0	0			81.6	0	10.3	0	10.3	0	8.0	0	8.0	0	0
Spain, Castile and León *	100	79.6	1.0	0			80.6	4.8	10.8	0	15.6	2.5	1.3	0	3.8	0	0
Spain, Castile-La Mancha *	100	82.8	0	0			82.8	3.0	13.8	0	16.8	0	0.4	0	0.4	0	0
Spain, Catalonia	100	59.7	0.9	0		18.2	78.7	1.6	12.1	0	13.6	4.9	2.7	0	7.6	0	0
Spain, Community of Madrid	100	80.7	0.1	0			80.8	3.9	12.6	0	16.5	1.4	1.3	0	2.7	0	0
Spain, Extremadura	100	91.9	0	0			91.9	5.4	2.7	0	8.1	0	0	0	0	0	0
Spain, Galicia	100	72.1	1.3	0	0	0	73.4	2.0	20.4	0	22.4	3.3	0.9	0	4.2	0	0
Spain, La Rioja	100	66.7	0	0	0	0	66.7	5.1	28.2	0	33.3	0	0	0	0	0	0
Spain, Murcia	100	86.9	0	0	0	0	86.9	0	12.7	0	12.7	0.5	0	0	0.5	0	0
Spain, Navarre *	100	74.4	0	0			74.4	23.2	0	0	23.2	0	2.4	0	2.4	0	0
Spain, Valencian region	100	76.8	0.4	0			77.2	1.2	15.3	0	16.5	1.0	5.3	0	6.3	0	0
Sweden	100	57.3	0.1	0			57.4			34.2	34.2	3.7	4.8	0	8.4	0	0
Switzerland	100	79.2	1.0	1.9	0.7	0	82.8	2.1	7.6	0.4	10.1	5.7	1.5	0	7.2	0	0
the Netherlands	100	67.5	0.1	0		1.1	68.7	6.8	11.2	0	18.0	11.6	1.6	0	13.1	0.1	0
United Kingdom, England #	100	59.9	0.4		0.3	12.0	72.7	9.8	11.6	0.6	22.0	2.4	2.8	0	5.4	0	0
United Kingdom, Northern Ireland #	100	66.8		0	0	0	67.2	16.6			19.1	9.5	4.1	0	13.7	0	0
United Kingdom, Scotland	100	73.8	0.2	0			73.9	8.8	6.1	3.0	17.9	0	0	8.1	8.1	0	0
United Kingdom, Wales #	100	70.8		0	0	8.4	79.7	3.3	11.1		14.8	3.9	1.7	0	5.6	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.2.11
Treatment modality distribution by age, sex, and primary renal disease, unadjusted
at day 1

	All				0-19				20-44				45-64				65-74				75+				Male				Female				DM				Non-DM			
	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Austria	90	9	1	0	50	13	38	0	83	12	5	0	87	12	2	0	91	9	1	0	95	5	0	0	90	9	1	0	90	8	2	0	94	5	1	0	88	10	1	0
Belgium, Dutch-speaking *	90	9	2	0					69	24	7	0	86	10	4	0	89	10	1	0	95	5	0	0	90	9	1	0	90	8	2	0	93	7	0	0	89	9	2	0
Belgium, French-speaking *	92	7	1	0					85	12	4	0	91	7	2	0	94	6	0	0	94	6	0	0	93	6	0	0	91	7	2	0	93	7	0	0	92	7	1	0
Bosnia and Herzegovina	99	1	0	0	100	0	0	0	100	0	0	0	98	2	0	0	99	1	0	0	100	0	0	0	99	1	0	0	98	2	0	0	97	3	0	0	99	1	0	0
Denmark	61	32	7	0	13	63	25	0	51	32	18	0	62	28	10	0	61	35	4	0	67	32	1	0	61	33	6	0	62	29	9	0	65	32	3	0	60	32	9	0
Estonia	81	18	1	0	100	0	0	0	56	38	6	0	77	23	0	0	89	11	0	0	93	7	0	0	79	19	2	0	85	15	0	0	65	35	0	0	85	14	1	0
Finland	73	22	5	0	42	33	25	0	74	20	6	0	77	15	8	0	74	24	2	0	70	29	1	0	73	21	6	0	73	24	4	0	72	26	2	0	74	20	6	0
France (26 of 27 regions)	86	10	4	0	55	28	17	0	74	13	13	0	85	9	6	0	88	10	2	0	89	10	1	0	86	10	3	0	85	11	4	0	91	7	1	0	84	11	4	0
Greece	96	4	0	0	40	50	10	0	89	6	5	0	94	6	0	0	96	4	0	0	98	2	0	0	96	4	0	0	96	4	0	0	97	3	0	0	96	4	0	0
Iceland	72	25	3	0	50	50	0	0	50	33	17	0	100	0	0	0	78	22	0	0	63	38	0	0	74	22	4	0	67	33	0	0	100	0	0	0	64	32	4	0
Montenegro *	100	0	0	0					100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0
Norway	61	29	10	0	13	63	25	0	41	25	34	0	62	28	10	0	65	28	6	0	66	31	3	0	61	32	7	0	62	24	14	0	64	29	7	0	60	29	10	0
Romania	99	1	0	0	84	16	0	0	98	1	1	0	99	1	0	0	99	1	0	0	99	1	0	0	99	1	0	0	99	1	0	0	99	1	0	0	99	1	0	0
Serbia	92	8	0	0	35	65	0	0	94	4	2	0	93	7	0	0	95	5	0	0	95	5	0	0	94	6	0	0	87	12	1	0	88	12	0	0	92	8	0	0
Spain, Andalusia	80	15	4	0	31	31	38	0	66	23	11	0	74	20	6	0	85	12	2	0	90	10	1	0	81	14	4	0	79	17	4	0	89	10	1	0	78	17	5	0
Spain, Aragon	84	16	1	0	0	0	0	0	63	38	0	0	86	12	2	0	83	17	0	0	90	10	0	0	84	15	1	0	84	16	0	0	84	16	0	0	84	15	1	0
Spain, Asturias	72	26	2	0	0	100	0	0	56	44	0	0	71	27	2	0	61	37	2	0	85	13	2	0	76	23	1	0	61	35	4	0	82	18	0	0	68	29	3	0
Spain, Basque country	71	24	5	0	50	0	50	0	78	13	9	0	71	20	9	0	70	26	4	0	71	29	0	0	75	22	4	0	62	29	8	0	71	29	0	0	71	22	7	0
Spain, Canary Islands	76	20	4	0	100	0	0	0	63	23	14	0	71	26	3	0	82	16	2	0	79	19	2	0	74	22	3	0	80	16	4	0	79	17	4	0	75	22	3	0
Spain, Cantabria *	82	10	8	0					67	33	0	0	71	6	23	0	96	4	0	0	85	15	0	0	82	10	7	0	79	11	11	0	100	0	0	0	76	14	11	0
Spain, Castile and León *	81	16	4	0					60	24	16	0	74	20	7	0	80	18	2	0	91	9	0	0	80	16	4	0	82	16	2	0	85	10	4	0	79	17	4	0
Spain, Castile-La Mancha *	83	17	0	0					63	37	0	0	80	20	0	0	86	13	1	0	87	13	0	0	85	15	0	0	79	20	1	0	85	15	0	0	82	18	1	0
Spain, Catalonia	79	14	8	0	64	7	29	0	62	18	20	0	73	15	12	0	80	13	7	0	87	12	1	0	79	14	8	0	79	14	8	0	85	12	3	0	77	14	9	0
Spain, Community of Madrid	81	16	3	0	38	38	25	0	70	23	8	0	75	22	3	0	84	14	2	0	90	9	0	0	82	15	3	0	79	19	2	0	90	9	1	0	77	19	3	0
Spain, Extremadura	92	8	0	0	100	0	0	0	100	0	0	0	79	21	0	0	95	5	0	0	100	0	0	0	93	7	0	0	91	9	0	0	94	6	0	0	91	9	0	0
Spain, Galicia	73	22	4	0	50	50	0	0	73	17	10	0	62	29	9	0	73	24	4	0	83	17	0	0	78	19	3	0	64	29	8	0	85	15	0	0	70	25	6	0
Spain, La Rioja	67	33	0	0	0	0	0	0	100	0	0	0	58	42	0	0	50	50	0	0	100	0	0	0	68	32	0	0	64	36	0	0	83	17	0	0	59	41	0	0
Spain, Murcia	87	13	0	0	100	0	0	0	76	20	4	0	76	24	0	0	93	7	0	0	97	3	0	0	89	10	1	0	80	20	0	0	91	9	0	0	86	14	1	0
Spain, Navarre *	74	23	2	0					60	30	10	0	67	33	0	0	81	14	5	0	89	11	0	0	78	18	3	0	64	36	0	0	100	0	0	0	65	32	3	0
Spain, Valencian region	77	17	6	0	36	18	45	0	66	23	10	0	69	20	11	0	79	17	4	0	87	11	1	0	78	16	6	0	75	18	7	0	83	14	3	0	76	17	7	0
Sweden	57	34	8	0	22	35	43	0	46	35	18	0	52	37	11	0	63	29	7	0	63	36	1	0	56	36	8	0	60	31	9	0	66	31	3	0	54	35	10	0
Switzerland	83	10	7	0	20	60	20	0	65	17	18	0	76	10	14	0	90	6	3	0	90	9	1	0	82	10	8	0	84	11	6	0	89	8	3	0	81	11	8	0
the Netherlands	69	18	13	0	28	24	45	3	59	13	27	0	63	18	18	0	74	16	10	0	76	22	2	0	70	18	12	0	66	19	15	0	77	20	3	0	67	17	16	0
United Kingdom, England #	73	22	5	0	39	40	21	0	61	29	9	0	71	23	7	0	76	21	4	0	84	16	1	0	74	22	5	0	71	23	7	0	77	22	2	0	71	22	7	0
United Kingdom, Northern Ireland #	67	19	14	0					0	54	25	0	62	13	24	0	77	15	0	0	71	24	0	0	64	24	12	0	73	12	16	0	81	12	0	0	63	21	15	0
United Kingdom, Scotland	74	18	8	0	69	23	8	0	64	22	13	0	66	21	13	0	80	16	3	0	88	10	2	0	75	18	7	0	72	19	10	0	83	12	5	0	70	20	10	0
United Kingdom, Wales #	80	15	6	0					75	14	11	0	79	13	8	0	78	19	0	0	91	8	0	0	79	16	5	0	81	12	7	0	90	9	0	0	75	17	8	0

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; Un: unknown; DM: diabetes mellitus

Categories may not add up because of missing values or rounding off

* Patients younger than 20 years of age are not reported

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.3.1
Incident counts and percentages by age and sex
at day 91

	All			0-19						20-44						45-64						65-74						75+							
	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female											
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%										
Austria §	953	635	318	8	1	7	1	1	0	88	9	55	9	33	10	296	31	198	31	98	31	282	30	186	29	96	30	279	29	189	30	90	28		
Belgium, Dutch-speaking *	1109	716	393							81	7	51	7	30	8	252	23	171	24	81	21	267	24	183	26	84	21	509	46	311	43	198	50		
Belgium, French-speaking *	851	525	326							72	8	42	8	30	9	222	26	134	26	88	27	263	31	176	34	87	27	294	35	173	33	121	37		
Bosnia and Herzegovina	352	221	131	3	1	3	1	0	0	34	10	24	11	10	8	147	42	90	41	57	44	108	31	70	32	38	29	60	17	34	15	26	20		
Denmark	705	462	243	8	1	3	1	5	2	94	13	57	12	37	15	216	31	128	28	88	36	177	25	128	28	49	20	210	30	146	32	64	26		
Estonia †	102	62	40	1	1	0	0	1	3	15	15	9	15	6	15	30	29	23	37	6	15	30	29	16	26	14	35	27	26	14	23	13	33		
Finland	447	309	138	12	3	8	3	4	3	66	15	45	15	21	15	140	31	94	30	46	33	120	27	79	26	41	30	109	24	83	27	26	19		
France (26 of 27 regions) †	10565	6957	3608	113	1	77	1	36	1	931	9	561	8	369	10	2706	26	1767	25	939	26	2996	28	2023	29	973	27	3819	36	2528	36	1291	36		
Greece	2605	1771	834	10	0	4	0	6	1	114	4	81	5	33	4	589	23	412	23	177	21	691	27	473	27	218	26	1201	46	801	45	400	48		
Iceland	30	21	9	2	7	1	5	1	11	5	17	4	19	1	11	7	23	5	24	2	22	8	27	5	24	3	33	8	27	6	29	2	22		
Montenegro * †	45	29	16							5	11	3	10	2	13	21	47	14	48	7	44	10	22	7	24	3	19	9	20	5	17	4	25		
Norway	501	332	169	8	2	5	2	3	2	53	11	33	10	20	12	163	33	98	30	65	38	131	26	89	27	42	25	146	29	107	32	39	23		
Romania	2492	1495	997	27	1	20	1	7	1	317	13	198	13	119	12	1019	41	627	42	392	39	786	32	467	31	319	32	343	14	183	12	160	16		
Serbia	456	296	158	17	4	11	4	6	4	56	12	35	12	21	13	166	36	105	35	60	38	158	35	103	35	54	34	58	13	41	14	17	11		
Spain, Andalusia	1247	801	446	13	1	6	1	7	2	133	11	84	10	49	11	399	32	259	32	140	31	320	26	216	27	104	23	382	31	236	29	146	33		
Spain, Aragon	155	106	49	0	0	0	0	0	0	15	10	8	8	7	14	50	32	37	35	13	27	45	29	32	30	13	27	45	29	29	27	16	33		
Spain, Asturias	144	101	43	1	1	1	1	0	0	9	6	5	5	4	9	43	30	28	28	15	35	44	31	31	31	13	30	47	33	36	36	11	26		
Spain, Basque country	283	202	81	1	0	1	0	0	0	29	10	18	9	11	14	76	27	55	27	21	26	83	29	62	31	21	26	94	33	66	33	28	35		
Spain, Canary Islands	391	267	124	3	1	3	1	0	0	35	9	27	10	8	6	129	33	86	32	43	35	126	32	86	32	40	32	98	25	65	24	33	27		
Spain, Cantabria *	83	65	18							6	7	5	8	1	6	30	36	21	32	9	50	19	23	17	26	2	11	28	34	22	34	6	33		
Spain, Castile and León * †	313	224	89							24	8	21	9	3	3	87	28	57	25	30	34	84	27	57	25	27	30	118	38	89	40	29	33		
Spain, Castile-La Mancha *	255	173	82							17	7	10	6	7	9	77	30	57	33	20	24	84	33	54	31	30	37	77	30	52	30	25	30		
Spain, Catalonia †	1416	924	492	14	1	7	1	7	1	105	7	63	7	42	9	431	30	278	30	153	31	380	27	253	27	127	26	485	34	323	35	163	33		
Spain, Community of Madrid	819	541	278	8	1	8	1	0	0	88	11	51	9	37	13	276	34	180	33	96	35	211	26	145	27	66	24	236	29	157	29	79	28		
Spain, Extremadura	144	93	51	1	1	1	1	0	0	9	6	4	4	5	10	48	33	31	33	17	33	38	26	27	29	11	22	47	33	30	32	17	33		
Spain, Galicia	441	299	142	2	0	1	0	1	1	31	7	20	7	11	8	120	27	81	27	39	27	136	31	92	31	44	31	152	34	105	35	47	33		
Spain, La Rioja	37	27	10	0	0	0	0	0	0	1	3	1	4	0	0	18	49	13	48	5	50	8	22	6	22	2	20	10	27	7	26	3	30		
Spain, Murcia	217	155	62	4	2	2	1	2	3	24	11	14	9	10	16	70	32	49	32	21	34	57	26	44	28	13	21	62	29	46	30	16	26		
Spain, Navarre *	82	60	22							10	12	5	8	5	23	30	37	23	38	7	32	24	29	20	33	4	18	18	22	12	20	6	27		
Spain, Valencian region	779	509	270	11	1	8	2	3	1	75	10	49	10	26	10	220	28	149	29	71	26	218	28	146	29	72	27	255	33	157	31	98	36		
Sweden	1079	715	364	23	2	12	2	11	3	151	14	106	15	45	12	294	27	186	26	108	30	273	25	182	25	91	25	338	31	229	32	109	30		
Switzerland †	722	493	230	10	1	7	1	3	1	82	11	53	11	29	13	189	26	125	25	63	27	183	25	134	27	49	21	259	36	173	35	86	37		
the Netherlands ‡	1853	1182	671	28	2	14	1	14	2	204	11	127	11	77	11	606	33	372	31	234	35	570	31	363	31	207	31	445	24	306	26	139	21		
United Kingdom, England † #	6194	3961	2233	133	2	84	2	50	2	1008	16	595	15	413	18	2213	36	1426	36	786	35	1505	24	979	25	526	24	1335	22	877	22	458	21		
United Kingdom, Northern Ireland † #	225	138	87							0	0	24	11	20	14			70	31	40	29	30	34	61	27	35	25	26	30	66	29	39	28	27	31
United Kingdom, Scotland	579	364	215	13	2	7	2	6	3	74	13	56	15	18	8	231	40	132	36	99	46	155	27	94	26	61	28	106	18	75	21	31	14		
United Kingdom, Wales † #	348	237	111	8	2					56	16	38	16	18	16	127	36	84	35	43	39	83	24	55	23	28	25	75	22	55	23	19	17		

Categories may not add up because of missing values or rounding off
 § The incidence is underestimated by approximately 1% due to one haemodialysis centre not submitting data
 * Patients younger than 20 years of age are not reported
 † The incident counts at day 91 are estimated (see methods)
 ‡ The incidence is underestimated by approximately 8%
 # Values based on 1 to 5 patients are suppressed

Table B.3.2
Incidence per million (age-related) population by age and sex, unadjusted
at day 91

	All			0-19			20-44			45-64			65-74			75+		
	All	Male	Female	All	Male	Female												
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp									
Austria	108.0	146.2	71.0	4.7	8.0	1.2	30.7	37.7	23.4	115.5	155.5	75.9	327.3	461.8	209.2	334.5	562.6	180.7
Belgium, Dutch-speaking *	165.8	216.1	116.5				39.5	49.3	29.5	139.3	187.3	90.4	370.3	520.3	227.5	761.0	1116.2	507.4
Belgium, French-speaking *	173.7	218.4	130.7				44.2	51.3	37.1	174.9	211.5	138.4	549.8	791.6	339.8	771.2	1193.0	512.3
Bosnia and Herzegovina	99.7	127.6	72.8	3.8	7.4	0	27.8	38.6	16.6	144.2	181.2	109.1	367.3	543.0	230.2	288.5	423.8	203.5
Denmark	120.4	158.6	82.6	6.2	4.5	8.0	51.2	61.1	41.0	139.8	165.6	113.9	279.5	417.5	150.0	380.1	607.7	205.0
Estonia †	76.6	98.1	57.2	3.5	0	7.2	34.3	38.9	29.4	85.0	138.1	35.2	202.8	272.4	156.2	215.8	386.5	146.2
Finland	80.7	112.8	49.2	10.4	13.5	7.1	38.2	50.4	25.1	100.9	135.3	66.5	170.1	236.1	110.5	194.0	368.2	77.3
France (26 of 27 regions) †	156.9	213.5	103.8	7.1	9.4	4.6	46.5	56.8	36.5	156.4	209.3	106.0	396.9	576.1	241.0	589.5	992.8	328.3
Greece	246.5	343.5	154.1	5.0	3.9	6.2	36.3	50.7	21.3	194.7	281.8	113.2	585.1	858.1	346.1	993.0	1572.4	571.4
Iceland	80.5	109.9	49.6	21.7	21.2	22.4	36.6	55.5	15.5	79.0	110.9	46.0	248.9	311.1	186.7	344.5	569.0	157.8
Montenegro * †	72.7	95.9	50.0				23.9	28.1	19.5	127.9	178.1	80.4	161.4	251.9	86.0	258.7	366.3	189.2
Norway	92.7	121.8	63.1	6.5	7.9	5.0	29.5	35.8	22.9	116.7	137.5	95.0	242.7	333.0	154.1	334.3	564.1	157.8
Romania	130.3	160.5	101.6	6.6	9.5	3.5	52.8	64.1	40.8	191.4	237.8	145.9	355.5	490.3	253.5	229.4	341.9	166.7
Serbia	70.2	93.7	47.4	13.4	16.9	9.8	27.0	33.1	20.7	93.5	121.8	65.7	182.5	266.2	112.8	112.4	201.4	54.4
Spain, Andalusia	146.5	190.8	103.4	7.4	6.6	8.2	49.2	61.4	36.7	157.6	206.4	109.7	400.7	570.5	247.7	531.2	812.5	340.6
Spain, Aragon	117.2	162.4	73.1	0	0	0	38.7	40.6	36.8	126.0	184.5	66.2	323.8	483.7	178.5	295.2	472.4	175.8
Spain, Asturias	142.6	209.3	81.6	6.8	13.3	0	34.1	37.7	30.5	130.7	174.2	89.2	325.3	496.3	178.6	348.7	703.4	131.6
Spain, Basque country	129.7	191.5	71.9	2.5	4.8	0	48.5	60.2	36.8	112.9	165.8	61.5	330.4	527.5	157.1	364.2	658.1	177.4
Spain, Canary Islands	173.9	240.0	109.2	7.7	14.9	0	46.5	72.0	21.2	180.1	238.7	120.8	599.4	852.1	366.0	552.5	867.7	322.1
Spain, Cantabria *	142.1	228.4	60.1				36.4	59.9	12.3	163.2	230.8	96.9	276.6	523.0	55.3	429.8	874.7	150.0
Spain, Castile and León * †	131.2	190.9	73.3				36.6	62.6	9.5	116.9	151.2	82.1	299.6	413.8	188.0	354.2	663.5	144.4
Spain, Castile-La Mancha *	124.4	168.1	80.4				26.7	30.3	22.8	126.1	182.9	66.9	448.4	589.8	313.2	375.7	615.1	207.6
Spain, Catalonia †	182.4	241.9	124.7	9.0	8.8	9.3	41.9	49.7	33.8	193.4	249.6	137.3	510.2	733.3	317.5	662.0	1113.6	366.8
Spain, Community of Madrid	121.3	167.5	78.9	6.0	11.7	0	39.3	46.4	32.5	140.6	191.2	94.0	343.3	529.8	193.6	394.3	684.7	214.0
Spain, Extremadura	135.9	177.5	95.2	5.2	10.1	0	28.2	24.5	31.9	148.5	189.9	106.3	357.1	518.9	202.3	398.5	637.6	239.8
Spain, Galicia	163.7	230.0	101.9	4.7	4.6	4.9	41.3	52.9	29.6	145.5	200.6	92.7	419.6	604.0	256.1	406.6	709.5	208.2
Spain, La Rioja	117.1	173.4	62.4	0	0	0	10.9	21.7	0	189.1	271.3	105.8	241.7	371.1	118.2	284.4	489.8	143.7
Spain, Murcia	142.9	203.9	81.8	11.7	11.4	12.1	47.4	53.7	40.8	163.1	226.0	98.9	453.9	741.2	196.3	531.2	969.7	230.9
Spain, Navarre *	124.5	184.5	66.0				51.0	50.6	51.4	154.7	235.3	72.8	362.8	624.7	117.2	266.2	437.2	149.3
Spain, Valencian region	154.0	204.3	105.2	11.2	15.8	6.3	47.8	61.6	33.6	145.5	197.8	93.6	421.4	601.3	262.2	532.7	809.2	344.3
Sweden	103.6	136.4	70.4	9.5	9.6	9.4	45.2	61.5	27.8	115.2	144.2	85.6	252.3	342.8	165.2	330.9	508.1	190.9
Switzerland †	85.5	117.4	54.0	5.9	8.1	3.7	29.1	37.2	20.8	79.7	105.4	53.8	223.8	342.9	114.4	331.8	530.6	189.0
the Netherlands	114.9	147.4	82.7	8.1	7.9	8.3	40.4	49.7	30.8	137.0	168.3	105.7	315.0	408.4	224.8	317.2	506.7	174.0
United Kingdom, England † #	111.9	146.2	79.0	10.4	12.8	8.0	55.8	67.2	44.8	155.0	203.1	108.5	276.2	373.8	185.7	278.2	422.9	168.1
United Kingdom, Northern Ireland † #	118.1	147.3	89.9			0	39.9	67.4		141.4	165.9	117.8	343.3	402.1	286.9	435.5	598.3	314.5
United Kingdom, Scotland	105.7	136.2	76.6	11.4	12.0	10.8	41.6	63.2	20.2	155.0	183.4	128.5	260.3	330.3	196.1	221.6	374.7	111.5
United Kingdom, Wales † #	112.2	155.9	70.2	11.6			59.9	82.2	38.2	153.9	208.5	102.0	232.1	318.0	151.2	243.5	413.7	111.8

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

Values based on 1 to 5 patients are suppressed

Table B.3.3
Sex, mean age, and median age of incident patients
at day 91

	All						Male						Female					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Austria	100	65.4	15.0	68.3	56.6	76.6	66.6	65.5	15.0	68.5	57.1	76.7	33.4	65.1	15.0	67.8	55.8	76.6
Belgium, Dutch-speaking *	100	70.3	14.7	73.5	61.8	81.3	64.6	69.9	14.5	72.8	61.1	80.8	35.4	71.0	15.1	75.2	63.5	82.1
Belgium, French-speaking *	100	68.0	14.7	70.7	60.4	78.7	61.7	68.0	14.4	71.0	60.6	78.1	38.3	68.0	15.1	70.0	59.8	79.2
Bosnia and Herzegovina	100	62.3	13.8	64.2	54.9	71.4	62.8	61.4	14.2	64.1	53.7	71.0	37.2	63.7	13.0	64.4	56.0	72.8
Denmark	100	63.9	16.2	67.9	54.3	76.4	65.5	65.0	15.6	69.4	55.6	76.6	34.5	61.9	17.3	64.1	51.6	75.5
Estonia †	100	62.4	16.6	65.9	50.9	76.4	60.8	61.7	15.5	63.4	50.7	76.0	39.2	63.4	18.3	67.2	51.6	76.9
Finland	100	61.4	17.9	65.7	53.0	74.9	69.1	61.9	18.3	67.2	53.2	75.3	30.9	60.1	17.0	64.5	52.5	73.4
France (26 of 27 regions) †	100	67.4	16.0	70.6	58.9	78.7	65.8	67.7	15.7	70.9	59.6	78.6	34.2	66.8	16.5	70.1	57.7	79.0
Greece	100	71.4	13.9	73.7	63.6	81.8	68.0	71.1	13.6	73.4	63.6	81.2	32.0	72.0	14.4	74.3	63.9	82.9
Iceland	100	58.0	23.0	68.4	47.1	75.5	70.0	59.1	21.1	67.7	47.1	75.5	30.0	55.6	28.1	69.1	48.9	73.6
Montenegro * †	100	61.5	13.1	62.3	55.0	70.1	65.2	60.6	14.0	62.3	55.0	68.2	34.8	63.0	11.8	61.4	54.5	74.4
Norway	100	64.0	16.5	67.2	54.0	76.4	66.3	65.0	16.3	68.6	55.5	77.6	33.7	62.0	16.7	64.2	53.1	74.4
Romania	100	60.8	14.5	63.6	52.7	71.0	60.0	60.2	14.7	63.1	51.9	70.6	40.0	61.8	14.3	64.5	53.2	71.8
Serbia	100	59.5	16.6	63.9	50.6	70.6	64.9	60.0	16.5	64.6	50.3	71.1	34.6	58.5	16.9	62.9	50.9	68.7
Spain, Andalusia	100	64.7	15.7	67.6	55.5	76.7	64.2	64.9	15.0	67.3	55.6	76.4	35.8	64.4	16.8	68.8	55.4	76.9
Spain, Aragon	100	65.7	14.2	68.1	58.7	76.5	68.4	65.8	12.9	67.1	59.4	75.7	31.6	65.5	16.8	71.0	55.0	79.3
Spain, Asturias	100	67.7	14.8	70.3	60.0	78.7	70.1	68.5	15.7	70.3	60.2	79.5	29.9	65.7	12.2	67.2	56.7	76.1
Spain, Basque country	100	66.3	14.7	70.0	57.9	77.4	71.4	66.7	14.1	70.0	59.7	77.1	28.6	65.5	16.3	69.4	54.6	78.4
Spain, Canary Islands	100	65.0	14.2	67.7	56.7	75.0	68.3	64.3	14.6	67.5	56.6	74.5	31.7	66.5	13.1	68.7	58.6	75.9
Spain, Cantabria *	100	66.8	14.0	69.1	58.6	76.8	78.3	67.3	14.1	71.3	59.8	76.7	21.7	64.9	14.0	63.5	56.2	76.8
Spain, Castile and León * †	100	68.4	12.8	71.4	61.0	77.6	71.6	68.6	12.9	71.4	61.7	77.6	28.4	67.9	12.9	71.3	58.6	78.0
Spain, Castile-La Mancha *	100	67.3	13.4	68.8	60.1	77.1	67.8	67.2	13.2	68.6	60.1	77.1	32.2	67.5	14.0	70.2	61.6	77.0
Spain, Catalonia †	100	66.5	15.0	69.4	58.3	77.6	65.3	66.9	14.7	69.7	58.6	77.8	34.7	65.7	15.4	68.6	57.6	77.2
Spain, Community of Madrid	100	64.5	15.6	67.2	55.2	76.4	66.1	65.1	15.3	67.7	57.1	76.5	33.9	63.3	16.3	66.1	51.9	76.2
Spain, Extremadura	100	66.5	14.0	69.1	57.3	76.9	64.6	66.8	13.5	69.2	57.9	76.6	35.4	65.9	15.1	66.4	56.9	78.3
Spain, Galicia	100	67.2	13.8	70.2	61.0	77.4	67.8	67.4	13.8	70.8	61.8	77.4	32.2	66.7	13.9	69.5	59.8	77.7
Spain, La Rioja	100	64.1	11.8	64.4	54.6	75.1	73.0	63.4	12.3	62.6	54.5	75.9	27.0	65.9	10.9	66.8	60.9	75.1
Spain, Murcia	100	64.2	16.1	67.1	55.9	76.4	71.4	65.5	15.4	68.4	57.7	77.1	28.6	60.8	17.5	62.8	49.3	75.9
Spain, Navarre *	100	62.9	14.2	65.1	55.8	73.0	73.2	63.5	13.5	65.2	55.9	72.6	26.8	61.4	16.3	64.2	48.9	75.1
Spain, Valencian region	100	65.9	15.9	69.2	56.6	77.4	65.3	65.5	15.9	68.6	56.5	76.6	34.7	66.7	15.9	70.7	56.6	79.3
Sweden	100	63.5	17.4	68.3	53.4	76.9	66.3	63.7	17.5	68.5	53.3	77.0	33.7	63.3	17.2	68.0	53.4	76.6
Switzerland †	100	65.6	16.3	69.0	56.8	78.0	68.2	66.0	15.9	69.0	58.5	77.8	31.8	64.7	17.2	69.0	52.9	78.3
the Netherlands	100	63.4	15.7	66.9	55.4	74.8	63.8	63.9	15.6	67.4	56.0	75.2	36.2	62.4	15.9	65.9	54.4	73.8
United Kingdom, England †	100	60.4	17.2	63.0	50.3	73.8	63.9	61.0	17.3	63.4	51.0	74.2	36.1	59.4	17.1	62.3	48.8	72.8
United Kingdom, Northern Ireland †	100	64.0	16.2	66.9	55.4	76.0	61.3	62.2	18.8	66.7	52.5	77.3	38.7	66.9	10.2	67.0	60.6	74.5
United Kingdom, Scotland	100	60.0	15.9	63.0	52.0	72.0	62.9	60.2	16.5	63.0	51.0	73.0	37.1	59.7	14.9	62.0	52.0	70.0
United Kingdom, Wales †	100	60.1	17.3	63.6	49.5	73.9	68.0	60.3	17.6	64.2	49.1	74.3	32.0	59.5	16.6	61.0	49.9	72.8

Categories may not add up because of missing values or rounding off

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

Table B.3.4
Incidence per million population, adjusted
at day 91, adjusted for age and sex

	All	Male	Female
	Pmp	Pmp	Pmp
Austria	103.6	139.7	69.1
Belgium, Dutch-speaking *	152.7	195.0	112.4
Belgium, French-speaking *	186.0	234.2	140.1
Bosnia and Herzegovina	113.3	147.2	81.1
Denmark	114.7	148.7	82.3
Estonia †	78.1	104.6	52.9
Finland	75.3	105.2	46.7
France (26 of 27 regions) †	151.4	202.6	102.6
Greece	208.8	286.4	134.8
Iceland	90.8	124.9	58.4
Montenegro * †	81.2	107.8	55.8
Norway	94.4	123.9	66.4
Romania	128.4	161.4	96.9
Serbia	64.9	87.5	43.3
Spain, Andalusia	147.6	191.2	106.1
Spain, Aragon	107.2	146.6	69.6
Spain, Asturias	111.9	159.6	66.4
Spain, Basque country	114.0	164.9	65.6
Spain, Canary Islands	173.3	236.9	112.6
Spain, Cantabria *	125.0	199.2	54.2
Spain, Castile and León * †	105.3	150.8	61.9
Spain, Castile-La Mancha *	121.2	162.9	81.5
Spain, Catalonia †	180.1	238.8	124.1
Spain, Community of Madrid	124.8	171.5	80.3
Spain, Extremadura	122.0	158.8	86.9
Spain, Galicia	134.4	185.4	85.8
Spain, La Rioja	106.8	156.8	59.1
Spain, Murcia	155.5	225.3	89.0
Spain, Navarre *	119.0	174.0	66.5
Spain, Valencian region	146.7	193.5	102.1
Sweden	100.6	131.1	71.6
Switzerland †	83.0	113.1	54.3
the Netherlands	108.9	137.6	81.5
United Kingdom, England †	114.0	146.6	82.8
United Kingdom, Northern Ireland †	124.8	152.2	98.7
United Kingdom, Scotland	103.1	132.0	75.5
United Kingdom, Wales †	107.9	148.6	69.0

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

Table B.3.5
Incidence per million population and percentages by primary renal disease, unadjusted
at day 91

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type 1		Type 2		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Austria	108.0	100	10.3	9.5	2.4	2.2	5.3	4.9	2.9	2.7	23.7	21.9	26.6	24.7	19.1	17.7	1.9	1.8	23.8	22.0	18.5	17.1	0	0
Belgium, Dutch-speaking *	165.8	100	17.2	10.4	6.7	4.1	10.0	6.0	4.9	3.0	30.1	18.1	35.0	21.1	17.8	10.7	5.1	3.1	57.0	34.4	17.0	10.3	0	0
Belgium, French-speaking *	173.7	100	14.7	8.5	5.1	2.9	7.6	4.3	3.3	1.9	28.8	16.6	32.0	18.4	33.5	19.3	3.3	1.9	49.0	28.2	28.6	16.5	0	0
Bosnia and Herzegovina	99.7	100	9.9	9.9	8.8	8.8	4.0	4.0	3.7	3.7	21.2	21.3	24.9	25.0	12.7	12.8	1.7	1.7	21.8	21.9	15.9	15.9	0	0
Denmark	120.4	100	13.7	11.3	6.8	5.7	6.3	5.2	6.8	5.7	27.8	23.1	34.7	28.8	14.7	12.2	1.5	1.3	19.5	16.2	23.2	19.3	0	0
Estonia †	76.6	100	12.0	15.7	6.8	8.8	4.5	5.9					12.8	16.7	25.5	33.3	1.5	2.0	13.5	17.6	0	0	0	0
Finland	80.7	100	10.1	12.5	5.2	6.5	7.2	8.9	10.5	13.0	15.3	19.0	25.8	32.0	5.6	6.9	0.4	0.4	12.1	15.0	14.3	17.7	0	0
France (26 of 27 regions) †	156.9	100	17.5	11.1	7.3	4.7	9.5	6.0					37.3	23.8	38.4	24.5	1.3	0.8	21.9	14.0	23.7	15.1	0	0
Greece	246.5	100	19.3	7.8	12.7	5.1	11.0	4.5	1.8	0.7	54.5	22.1	56.3	22.8	22.7	9.2	4.6	1.9	30.6	12.4	89.3	36.2	0	0
Iceland	80.5	100	5.4	6.7	2.7	3.3	13.4	16.7	5.4	6.7	10.7	13.3	16.1	20.0	16.1	20.0	5.4	6.7	16.1	20.0	5.4	6.7	0	0
Montenegro * †	72.7	100	2.7	3.7	1.6	2.2	1.6	2.2	11.3	15.6	9.7	13.3	21.0	28.9	16.1	22.2	0	0	15.6	21.5	14.0	19.3	0	0
Norway	92.7	100	15.7	17.0	4.6	5.0	8.0	8.6	3.9	4.2	11.1	12.0	15.0	16.2	28.5	30.7	0.4	0.4	17.6	19.0	1.9	2.0	1.1	1.2
Romania	130.3	100	16.3	12.5	4.9	3.8	3.1	2.4					13.8	10.6	6.4	4.9	0.8	0.6	20.7	15.9	64.3	49.3	0	0
Serbia	70.2	100	7.7	11.0	6.3	9.0	3.2	4.6					12.3	17.5	20.2	28.7	0.8	1.1	14.5	20.6	5.2	7.5	0	0
Spain, Andalusia	146.5	100	18.0	12.3	8.3	5.7	7.8	5.3					36.1	24.6	16.8	11.5	1.6	1.1	27.1	18.5	30.8	21.0	0	0
Spain, Aragon	117.2	100	13.6	11.6	6.0	5.2	7.6	6.5	4.5	3.9	37.0	31.6	41.6	35.5	23.4	20.0	2.3	1.9	16.6	14.2	6.0	5.2	0	0
Spain, Asturias	142.6	100	19.8	13.9	14.9	10.4	5.9	4.2	3.0	2.1	31.7	22.2	34.7	24.3	30.7	21.5	0	0	19.8	13.9	16.8	11.8	0	0
Spain, Basque country	129.7	100	15.1	11.7	5.0	3.9	11.5	8.8	5.0	3.9	29.8	23.0	34.8	26.9	17.0	13.1	1.4	1.1	26.6	20.5	18.3	14.1	0	0
Spain, Canary Islands	173.9	100	10.2	5.9	6.2	3.6	12.5	7.2	3.6	2.0	53.4	30.7	56.9	32.7	11.1	6.4	0.9	0.5	42.3	24.3	33.8	19.4	0	0
Spain, Cantabria *	142.1	100	30.8	21.7	3.4	2.4	6.8	4.8	5.1	3.6	30.8	21.7	36.0	25.3	10.3	7.2	3.4	2.4	17.1	12.0	10.3	7.2	24.0	16.9
Spain, Castile and León * † ‡	131.2	100	22.5	17.2	8.4	6.4	8.0	6.1	4.2	3.2	24.3	18.6	28.5	21.7	16.4	12.5	0.8	0.6	28.1	21.4	18.5	14.1	0	0
Spain, Castile-La Mancha *	124.4	100	19.5	15.7	10.2	8.2	7.8	6.3					33.2	26.7	10.7	8.6	1.5	1.2	14.6	11.8	26.8	21.6	0	0
Spain, Catalonia †	182.4	100	20.1	11.0	5.9	3.2	12.4	6.8	2.6	1.4	36.9	20.2	40.0	21.9	13.6	7.4	4.3	2.4	17.2	9.4	44.1	24.2	24.7	13.6
Spain, Community of Madrid	121.3	100	17.6	14.5	6.7	5.5	9.9	8.2	4.3	3.5	29.5	24.3	33.8	27.8	12.1	10.0	2.2	1.8	31.8	26.3	7.1	5.9	0	0
Spain, Extremadura	135.9	100	20.8	15.3	6.6	4.9	4.7	3.5					31.1	22.9	12.3	9.0	2.8	2.1	19.8	14.6	34.0	25.0	3.8	2.8
Spain, Galicia	163.7	100	23.0	14.1	5.2	3.2	14.1	8.6	3.0	1.8	37.9	23.1	40.8	24.9	14.8	9.1	1.9	1.1	26.4	16.1	37.5	22.9	0	0
Spain, La Rioja	117.1	100	25.3	21.6	3.2	2.7	0	0	0	0	38.0	32.4	38.0	32.4	22.1	18.9	0	0	25.3	21.6	3.2	2.7	0	0
Spain, Murcia	142.9	100	23.0	16.1	6.6	4.6	4.6	3.2	6.6	4.6	27.7	19.4	34.2	24.0	11.9	8.3	0	0	29.6	20.7	32.9	23.0	0	0
Spain, Navarre *	124.5	100	13.7	11.0	3.0	2.4	7.6	6.1	6.1	4.9	27.3	22.0	33.4	26.8	15.2	12.2	0	0	28.9	23.2	22.8	18.3	0	0
Spain, Valencian region	154.0	100	17.4	11.3	7.3	4.7	11.5	7.4					31.2	20.3	25.9	16.8	1.2	0.8	34.6	22.5	24.9	16.2	0	0
Sweden ‡	103.6	100	15.0	14.5	3.2	3.1	9.6	9.3	6.1	5.9	19.5	18.8	25.6	24.7	20.5	19.8	1.1	1.0	19.3	18.6	9.3	9.0	0	0
Switzerland †	85.5	100	11.7	13.7	1.9	2.2	4.1	4.8	2.1	2.5	14.0	16.3	16.1	18.8	17.9	20.9	3.1	3.6	25.1	29.4	5.6	6.5	0	0
the Netherlands	114.9	100	12.7	11.1	3.3	2.9	6.1	5.3	3.7	3.2	20.7	18.0	24.4	21.3	18.5	16.1	6.3	5.5	27.4	23.9	15.3	13.3	0.8	0.7
United Kingdom, England † #	111.9	100	12.2	10.9	5.1	4.6	5.8	5.1					28.8	25.8	6.6	5.9	1.2	1.1	19.2	17.1	14.2	12.7	18.7	16.7
United Kingdom, Northern Ireland † #	118.1	100	11.4	9.6	8.4	7.1	7.9	6.7					25.9	21.9	6.1	5.2			25.0	21.2	15.6	13.2	15.2	12.9
United Kingdom, Scotland	105.7	100	13.7	13.0	5.3	5.0	6.2	5.9					30.1	28.5	4.4	4.1	1.3	1.2	32.8	31.1	11.9	11.2	0	0
United Kingdom, Wales † #	112.2	100	20.1	17.9	5.3	4.7	4.2	3.7					35.2	31.4	4.8	4.3			24.7	22.0	14.7	13.1	2.3	2.0

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown
Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

‡ Mapping the 2018 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

Values based on 1 to 5 patients are suppressed

Table B.3.6
Incidence per million population by primary renal disease, adjusted
at day 91, adjusted for age and sex

	All	GN	PN	PKD	DM			HT	RVD	Misc	Unkn	Missing
	Pmp	Pmp	Pmp	Pmp	Type 1	Type 2	Both	Pmp	Pmp	Pmp	Pmp	Pmp
					Pmp	Pmp	Pmp					
Austria	103.6	10.0	2.3	5.2	3.0	22.6	25.6	18.2	1.7	22.9	17.6	0
Belgium, Dutch-speaking *	152.7	16.3	6.4	9.9	5.0	27.1	32.0	16.0	4.5	51.9	15.6	0
Belgium, French-speaking *	186.0	15.6	5.4	8.0	3.5	30.2	33.7	36.7	3.7	52.1	30.7	0
Bosnia and Herzegovina	113.3	10.0	10.2	4.5	3.7	23.3	27.0	14.6	1.8	26.4	18.7	0
Denmark	114.7	13.8	6.4	6.3	7.0	25.6	32.7	13.5	1.5	18.6	22.0	0
Estonia †	78.1	11.6	6.9	4.5			13.0	27.0	1.5	13.6	0	0
Finland	75.3	9.6	4.8	7.1	10.9	13.4	24.3	4.9	0.3	11.6	12.7	0
France (26 of 27 regions) †	151.4	17.6	7.1	9.6			35.8	36.0	1.2	21.5	22.7	0
Greece	208.8	17.9	11.0	10.1	1.8	46.1	47.9	18.4	3.8	26.3	73.4	0
Iceland	90.8	5.2	3.3	15.2	5.5	11.1	16.6	21.7	7.3	16.0	5.5	0
Montenegro * †	81.2	3.7	1.7	1.5	11.2	10.3	21.5	18.9	0	20.1	15.0	0
Norway	94.4	15.9	4.7	8.3	4.0	11.3	15.3	29.0	0.4	17.9	1.9	1.1
Romania	128.4	16.2	4.8	3.0			13.3	6.4	0.8	20.7	63.1	0
Serbia	64.9	7.4	6.2	2.9			10.9	18.3	0.6	13.9	4.8	0
Spain, Andalusia	147.6	17.6	8.5	7.4			36.5	17.3	1.7	27.6	31.1	0
Spain, Aragon	107.2	12.6	5.6	6.9	5.0	32.5	37.5	21.5	2.0	15.4	5.6	0
Spain, Asturias	111.9	15.6	12.2	5.0	2.5	23.5	26.0	21.7	0	17.5	13.8	0
Spain, Basque country	114.0	13.8	4.9	10.3	4.6	25.1	29.7	14.6	1.1	23.3	16.5	0
Spain, Canary Islands	173.3	9.9	6.2	11.3	3.1	54.1	57.1	11.2	0.8	43.0	33.7	0
Spain, Cantabria *	125.0	26.6	3.0	6.9	4.6	26.5	31.0	7.7	3.2	14.9	9.8	21.9
Spain, Castile and León * † ‡	105.3	19.6	6.6	6.8	4.1	18.7	22.8	12.5	0.7	22.3	14.1	0
Spain, Castile-La Mancha *	121.2	19.2	9.9	7.6			32.8	10.1	1.4	14.6	25.5	0
Spain, Catalonia †	180.1	19.7	6.0	11.9	2.5	37.0	40.1	13.4	4.2	17.1	43.2	24.5
Spain, Community of Madrid	124.8	17.6	6.9	9.9	4.1	31.3	35.5	12.6	2.3	32.7	7.4	0
Spain, Extremadura	122.0	18.3	5.8	4.2			27.2	10.8	2.3	18.7	31.1	3.6
Spain, Galicia	134.4	19.7	4.4	12.1	2.9	29.8	32.7	11.6	1.6	22.2	30.0	0
Spain, La Rioja	106.8	23.1	2.7	0	0	35.0	35.0	20.2	0	22.9	2.7	0
Spain, Murcia	155.5	24.7	7.0	4.6	6.2	31.5	37.6	13.0	0	32.3	36.3	0
Spain, Navarre *	119.0	12.9	2.7	7.5	6.0	25.3	31.3	14.8	0	28.5	21.4	0
Spain, Valencian region	146.7	16.7	7.1	10.8			29.8	24.6	1.1	33.1	23.5	0
Sweden ‡	100.6	14.9	2.9	10.0	6.5	18.6	25.2	18.5	1.0	18.8	9.2	0
Switzerland †	83.0	11.3	1.9	4.1	2.1	13.4	15.5	17.3	2.9	24.6	5.4	0
the Netherlands	108.9	12.0	3.2	6.0	3.8	19.3	23.0	17.4	5.8	26.0	14.7	0.8
United Kingdom, England † #	114.0	12.5	5.1	6.0			29.5	6.8	1.2	19.4	14.4	19.0
United Kingdom, Northern Ireland † #	124.8	11.9	8.6	8.6			27.4	6.6		26.5	16.8	15.7
United Kingdom, Scotland	103.1	13.4	5.1	6.2			29.4	4.1	1.3	31.9	11.6	0
United Kingdom, Wales † #	107.9	20.1	5.1	4.6			34.6	4.5		22.8	13.3	2.2

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown
 Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

‡ Mapping the 2018 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

Values based on 1 to 5 patients are suppressed

Table B.3.7
Incident counts by treatment modality
at day 91

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Unkn	Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Austria §	953	746	0	2	0	89	837	34	57	5	96	13	7	0	20	0	0
Belgium, Dutch-speaking *	1109	600	9	0	0	373	982	69	34	0	103	10	14	0	24	0	0
Belgium, French-speaking *	851	470	15	0	20	272	777	34	30	0	64	4	6	0	10	0	0
Bosnia and Herzegovina	352	279	0	0	0	63	342	0	7	0	7	3	0	0	3	0	0
Denmark	705	425	1	0			426	102	114	4	220	22	37	0	59	0	0
Estonia †	102	82	0	0	0	0	82	17	0	0	17	1	3	0	4	0	0
Finland	447	238	19	0	0	55	312	41	60	0	101	14	12	8	34	0	0
France (26 of 27 regions) †	10565	6469	21	13	9	2420	8932	374	792	8	1174	202	252	0	454	5	0
Greece	2605	2352	0	0	0	123	2475	46	72	0	118	11	1	0	12	0	0
Iceland	30	23	0	0			23	0	6	0	6	0	1	0	1	0	0
Montenegro * †	45	45	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0
Norway	501	299	1	0			300			144	144	25	32	0	57	0	0
Romania	2492	2449	0	0	0	8	2457	2	30	0	32	2	1	0	3	0	0
Serbia	456	403	1	2	2	6	414	13	27	0	40	2	0	0	2	0	0
Spain, Andalusia	1247	982	8	0			990			179	179	23	55	0	78	0	0
Spain, Aragon	155	114	3	0		12	129	7	18	0	25	1	0	0	1	0	0
Spain, Asturias	144	102	0	0		1	103	11	25	0	36	1	4	0	5	0	0
Spain, Basque country	283	190	1	0			191	4	71	0	75	11	6	0	17	0	0
Spain, Canary Islands	391	299	1	0	0	0	300	0	0	73	73	7	11	0	18	0	0
Spain, Cantabria *	83	66	0	0			66	0	7	0	7	0	10	0	10	0	0
Spain, Castile and León * †	313	251	3	0			254	14	31	0	45	8	5	0	13	0	0
Spain, Castile-La Mancha *	255	208	0	0			208	11	34	0	45	0	2	0	2	0	0
Spain, Catalonia †	1416	404	16	0		666	1086	54	144	0	198	73	59	0	132	0	0
Spain, Community of Madrid	819	656	4	0			660	36	94	0	130	12	16	0	28	1	0
Spain, Extremadura	144	131	0	0			131	8	5	0	13	0	0	0	0	0	0
Spain, Galicia	441	315	6	0	0	0	321	15	84	0	99	16	3	2	21	0	0
Spain, La Rioja	37	22	0	0	0	0	22	4	11	0	15	0	0	0	0	0	0
Spain, Murcia	217	158	0	0	0	29	187	0	29	0	29	1	0	0	1	0	0
Spain, Navarre *	82	63	0	0			63	17	0	0	17	0	2	0	2	0	0
Spain, Valencian region	779	584	9	0			593	12	120	0	132	8	46	0	54	0	0
Sweden	1079	599	1	0			600			368	368	50	61	0	111	0	0
Switzerland †	722	566	4	5	14	0	589	24	44	2	70	49	14	0	63	0	0
the Netherlands ‡	1853	1152	4	0		81	1237	182	163	0	345	235	34	0	269	2	0
United Kingdom, England † #	6194	3401	54			937	4395	702	661	25	1388	183	223		411	0	0
United Kingdom, Northern Ireland † #	225	144		0	0	0	145	36	5		42	26	13	0	38	0	0
United Kingdom, Scotland	579	424	1	0			425	51	37	18	106	0	0	48	48	0	0
United Kingdom, Wales † #	348	242		0	0	30	274	20	29	0	49	15	10	0	25	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

§ The incidence is underestimated by approximately 1% due to an estimated 1.2% underestimation of the incidence of haemodialysis

* Patients younger than 20 years of age are not reported

† The incident counts at day 91 are estimated (see methods)

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

‡ The incidence is underestimated by approximately 8%

Values based on 1 to 5 patients are suppressed

Table B.3.8
Incidence per million population by treatment modality, unadjusted
at day 91

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Unkn	Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Austria	108.0	84.5	0	0.2	0	10.1	94.8	3.9	6.5	0.6	10.9	1.5	0.8	0	2.3	0	0
Belgium, Dutch-speaking *	165.8	89.7	1.3	0	0	55.8	146.8	10.3	5.1	0	15.4	1.5	2.1	0	3.6	0	0
Belgium, French-speaking *	173.7	95.9	3.1	0	4.1	55.5	158.6	6.9	6.1	0	13.1	0.8	1.2	0	2.0	0	0
Bosnia and Herzegovina	99.7	79.0	0	0	0	17.8	96.9	0	2.0	0	2.0	0.8	0	0	0.8	0	0
Denmark	120.4	72.6	0.2	0			72.7	17.4	19.5	0.7	37.6	3.8	6.3	0	10.1	0	0
Estonia †	76.6	61.4	0	0	0	0	61.4	12.5	0	0	12.5	0.8	2.0	0	2.8	0	0
Finland	80.7	43.0	3.4	0	0	9.9	56.3	7.4	10.8	0	18.2	2.5	2.2	1.4	6.1	0	0
France (26 of 27 regions) †	156.9	96.0	0.3	0.2	0.1	35.9	132.6	5.6	11.8	0.1	17.4	3.0	3.7	0	6.7	0.1	0
Greece	246.5	222.5	0	0	0	11.6	234.2	4.4	6.8	0	11.2	1.0	0.1	0	1.1	0	0
Iceland	80.5	61.7	0	0			61.7	0	16.1	0	16.1	0	2.7	0	2.7	0	0
Montenegro * †	72.7	72.7	0	0	0	0	72.7	0	0	0	0	0	0	0	0	0	0
Norway	92.7	55.3	0.2	0			55.5			26.7	26.7	4.6	5.9	0	10.5	0	0
Romania	130.3	128.1	0	0	0	0.4	128.5	0.1	1.6	0	1.7	0.1	0.1	0	0.2	0	0
Serbia	70.2	62.1	0.2	0.3	0.3	0.9	63.8	2.0	4.2	0	6.2	0.3	0	0	0.3	0	0
Spain, Andalusia	146.5	115.4	0.9	0			116.3			21.0	21.0	2.7	6.5	0	9.2	0	0
Spain, Aragon	117.2	86.2	2.3	0		9.1	97.5	5.3	13.6	0	18.9	0.8	0	0	0.8	0	0
Spain, Asturias	142.6	101.0	0	0		1.0	102.0	10.9	24.8	0	35.7	1.0	4.0	0	5.0	0	0
Spain, Basque country	129.7	87.1	0.5	0			87.6	1.8	32.5	0	34.4	5.0	2.8	0	7.8	0	0
Spain, Canary Islands	173.9	133.0	0.4	0	0	0	133.4	0	0	32.5	32.5	3.1	4.9	0	8.0	0	0
Spain, Cantabria *	142.1	113.0	0	0			113.0	0	12.0	0	12.0	0	17.1	0	17.1	0	0
Spain, Castile and León * †	131.2	105.5	1.3	0			106.7	5.7	13.1	0	18.9	3.4	2.2	0	5.6	0	0
Spain, Castile-La Mancha *	124.4	101.5	0	0			101.5	5.4	16.6	0	22.0	0	1.0	0	1.0	0	0
Spain, Catalonia †	182.4	52.0	2.0	0		85.8	139.9	6.9	18.6	0	25.5	9.4	7.6	0	17.0	0	0
Spain, Community of Madrid	121.3	97.2	0.6	0			97.8	5.3	13.9	0	19.3	1.8	2.4	0	4.1	0.1	0
Spain, Extremadura	135.9	123.6	0	0			123.6	7.6	4.7	0	12.3	0	0	0	0	0	0
Spain, Galicia	163.7	116.9	2.2	0	0	0	119.1	5.6	31.2	0	36.7	5.9	1.1	0.7	7.8	0	0
Spain, La Rioja	117.1	69.6	0	0	0	0	69.6	12.7	34.8	0	47.5	0	0	0	0	0	0
Spain, Murcia	142.9	104.1	0	0	0	19.1	123.1	0	19.1	0	19.1	0.7	0	0	0.7	0	0
Spain, Navarre *	124.5	95.7	0	0			95.7	25.8	0	0	25.8	0	3.0	0	3.0	0	0
Spain, Valencian region	154.0	115.5	1.8	0			117.2	2.4	23.7	0	26.1	1.6	9.1	0	10.7	0	0
Sweden	103.6	57.5	0.1	0			57.6			35.3	35.3	4.8	5.9	0	10.7	0	0
Switzerland †	85.5	67.0	0.5	0.6	1.7	0	69.7	2.9	5.2	0.2	8.3	5.8	1.6	0	7.4	0	0
the Netherlands	114.9	71.4	0.2	0		5.0	76.7	11.3	10.1	0	21.4	14.6	2.1	0	16.7	0.1	0
United Kingdom, England † #	111.9	61.4	1.0			16.9	79.4	12.7	11.9	0.5	25.1	3.3	4.0	0	7.4	0	0
United Kingdom, Northern Ireland † #	118.1	75.4		0	0	0	76.0	18.9	2.8		22.1	13.5	6.7	0	20.1	0	0
United Kingdom, Scotland	105.7	77.4	0.2	0			77.6	9.3	6.8	3.3	19.3	0	0	8.8	8.8	0	0
United Kingdom, Wales † #	112.2	77.9		0	0	9.7	88.2	6.4	9.4	0	15.8	4.9	3.2	0	8.2	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.3.9
Incidence per million population by treatment modality, adjusted
at day 91, adjusted for age and sex

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Unkn	Missing
	Pmp	HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp		
Austria	103.6	80.7	0	0.2	0	9.7	90.6	3.8	6.3	0.6	10.6	1.5	0.8	0	2.3	0	0
Belgium, Dutch-speaking *	152.7	82.7	1.2	0	0	50.3	134.3	9.9	4.8	0	14.8	1.6	2.1	0	3.7	0	0
Belgium, French-speaking *	186.0	102.9	3.2	0	4.5	59.5	170.0	7.4	6.5	0	13.8	0.8	1.3	0	2.1	0	0
Bosnia and Herzegovina	113.3	88.9	0	0	0	21.7	110.6	0	2.0	0	2.0	0.8	0	0	0.8	0	0
Denmark	114.7	68.7	0.2	0			68.9	16.6	18.4	0.6	35.6	3.9	6.4	0	10.2	0	0
Estonia †	78.1	62.2	0	0	0	0	62.2	13.4	0	0	13.4	0.7	2.1	0	2.8	0	0
Finland	75.3	39.3	3.5	0	0	9.5	52.3	6.9	9.8	0	16.7	2.7	2.1	1.6	6.3	0	0
France (26 of 27 regions) †	151.4	92.5	0.3	0.2	0.1	34.4	127.6	5.5	11.1	0.1	16.7	3.1	4.0	0	7.0	0.1	0
Greece	208.8	187.1	0	0	0	10.5	197.6	4.0	6.0	0	10.0	1.1	0.1	0	1.2	0	0
Iceland	90.8	71.1	0	0			71.1	0	17.0	0	17.0	0	2.7	0	2.7	0	0
Montenegro * †	81.2	81.2	0	0	0	0	81.2	0	0	0	0	0	0	0	0	0	0
Norway	94.4	56.4	0.2	0			56.6			27.0	27.0	4.7	6.1	0	10.8	0	0
Romania	128.4	126.2	0	0	0	0.4	126.6	0.1	1.5	0	1.6	0.1	0.1	0	0.2	0	0
Serbia	64.9	56.8	0.2	0.3	0.3	0.8	58.4	2.2	3.9	0	6.1	0.3	0	0	0.3	0	0
Spain, Andalusia	147.6	117.0	1.0	0			117.9			20.9	20.9	2.6	6.3	0	8.8	0	0
Spain, Aragon	107.2	78.8	1.8	0		8.4	89.0	5.2	12.4	0	17.6	0.7	0	0	0.7	0	0
Spain, Asturias	111.9	77.0	0	0		0.8	77.8	11.8	18.2	0	30.0	0.7	3.3	0	4.1	0	0
Spain, Basque country	114.0	75.9	0.6	0			76.6	1.5	28.4	0	29.9	5.1	2.5	0	7.6	0	0
Spain, Canary Islands	173.3	133.3	0.4	0	0	0	133.8	0	0	31.6	31.6	3.0	4.8	0	7.8	0	0
Spain, Cantabria *	125.0	98.8	0	0			98.8	0	11.5	0	11.5	0	14.7	0	14.7	0	0
Spain, Castile and León * †	105.3	82.8	1.1	0			83.9	5.2	11.1	0	16.1	3.4	1.9	0	5.3	0	0
Spain, Castile-La Mancha *	121.2	98.7	0	0			98.7	5.2	16.3	0	21.6	0	1.0	0	1.0	0	0
Spain, Catalonia †	180.1	51.4	2.0	0		84.9	138.2	6.8	18.6	0	25.4	9.2	7.4	0	16.6	0	0
Spain, Community of Madrid	124.8	100.4	0.6	0			101.0	5.2	14.3	0	19.4	1.8	2.5	0	4.2	0.2	0
Spain, Extremadura	122.0	111.0	0	0			111.0	6.8	4.2	0	11.0	0	0	0	0	0	0
Spain, Galicia	134.4	94.5	2.0	0	0	0	96.4	5.2	25.4	0	30.6	5.6	1.0	0.8	7.3	0	0
Spain, La Rioja	106.8	63.3	0	0	0	0	63.3	11.6	31.9	0	43.5	0	0	0	0	0	0
Spain, Murcia	155.5	114.1	0	0	0	20.6	134.8	0	20.1	0	20.1	0.6	0	0	0.6	0	0
Spain, Navarre *	119.0	90.4	0	0			90.4	25.3	0	0	25.3	0	3.2	0	3.2	0	0
Spain, Valencian region	146.7	109.7	1.7	0			111.4	2.4	22.6	0	25.0	1.6	8.6	0	10.2	0	0
Sweden	100.6	55.3	0.1	0			55.5			34.1	34.1	5.0	6.1	0	11.0	0	0
Switzerland †	83.0	65.0	0.7	0.8	1.7	0	67.7	2.9	5.1	0.2	8.1	5.7	1.6	0	7.3	0	0
the Netherlands	108.9	67.2	0.2	0		4.7	72.2	10.9	9.6	0	20.5	14.1	2.0	0	16.1	0.1	0
United Kingdom, England † #	114.0	62.6	1.0			17.3	81.0	12.9	12.0	0.4	25.4	3.4	4.1	0	7.6	0	0
United Kingdom, Northern Ireland † #	124.8	80.4		0	0	0	81.0	19.9	3.2		23.3	14.1	7.1	0	21.3	0	0
United Kingdom, Scotland	103.1	75.1	0.2	0			75.3	9.2	6.5	3.3	18.9	0	0	8.8	8.8	0	0
United Kingdom, Wales † #	107.9	74.9		0	0	9.0	84.5	6.0	9.7	0	15.2	5.2	3.1	0	8.3	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.3.10
Treatment modality distribution, unadjusted
at day 91

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Unkn	Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%		
Austria	100	78.3	0	0.2	0	9.3	87.8	3.6	6.0	0.5	10.1	1.4	0.7	0	2.1	0	0
Belgium, Dutch-speaking *	100	54.1	0.8	0	0	33.6	88.5	6.2	3.1	0	9.3	0.9	1.3	0	2.2	0	0
Belgium, French-speaking *	100	55.2	1.8	0	2.4	32.0	91.3	4.0	3.5	0	7.5	0.5	0.7	0	1.2	0	0
Bosnia and Herzegovina	100	79.3	0	0	0	17.9	97.2	0	2.0	0	2.0	0.9	0	0	0.9	0	0
Denmark	100	60.3	0.1	0			60.4	14.5	16.2	0.6	31.2	3.1	5.2	0	8.4	0	0
Estonia †	100	80.1	0	0	0	0	80.1	16.3	0	0	16.3	1.0	2.6	0	3.6	0	0
Finland	100	53.2	4.3	0	0	12.3	69.8	9.2	13.4	0	22.6	3.1	2.7	1.8	7.6	0	0
France (26 of 27 regions) †	100	61.2	0.2	0.1	0.1	22.9	84.5	3.5	7.5	0.1	11.1	1.9	2.4	0	4.3	0.1	0
Greece	100	90.3	0	0	0	4.7	95.0	1.8	2.8	0	4.5	0.4	0	0	0.5	0	0
Iceland	100	76.7	0	0			76.7	0	20.0	0	20.0	0	3.3	0	3.3	0	0
Montenegro * †	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Norway	100	59.7	0.2	0			59.9			28.7	28.7	5.0	6.4	0	11.4	0	0
Romania	100	98.3	0	0	0	0.3	98.6	0.1	1.2	0	1.3	0.1	0	0	0.1	0	0
Serbia	100	88.4	0.2	0.4	0.4	1.3	90.8	2.9	5.9	0	8.8	0.4	0	0	0.4	0	0
Spain, Andalusia	100	78.7	0.6	0			79.4			14.4	14.4	1.8	4.4	0	6.3	0	0
Spain, Aragon	100	73.5	1.9	0		7.7	83.2	4.5	11.6	0	16.1	0.6	0	0	0.6	0	0
Spain, Asturias	100	70.8	0	0		0.7	71.5	7.6	17.4	0	25.0	0.7	2.8	0	3.5	0	0
Spain, Basque country	100	67.1	0.4	0			67.5	1.4	25.1	0	26.5	3.9	2.1	0	6.0	0	0
Spain, Canary Islands	100	76.5	0.3	0	0	0	76.7	0	0	18.7	18.7	1.8	2.8	0	4.6	0	0
Spain, Cantabria *	100	79.5	0	0			79.5	0	8.4	0	8.4	0	12.0	0	12.0	0	0
Spain, Castile and León * †	100	80.4	1.0	0			81.3	4.4	10.0	0	14.4	2.6	1.7	0	4.3	0	0
Spain, Castile-La Mancha *	100	81.6	0	0			81.6	4.3	13.3	0	17.6	0	0.8	0	0.8	0	0
Spain, Catalonia †	100	28.5	1.1	0		47.1	76.7	3.8	10.2	0	14.0	5.2	4.1	0	9.3	0	0
Spain, Community of Madrid	100	80.1	0.5	0			80.6	4.4	11.5	0	15.9	1.5	2.0	0	3.4	0.1	0
Spain, Extremadura	100	91.0	0	0			91.0	5.6	3.5	0	9.0	0	0	0	0	0	0
Spain, Galicia	100	71.4	1.4	0	0	0	72.8	3.4	19.0	0	22.4	3.6	0.7	0.5	4.8	0	0
Spain, La Rioja	100	59.5	0	0	0	0	59.5	10.8	29.7	0	40.5	0	0	0	0	0	0
Spain, Murcia	100	72.8	0	0	0	13.4	86.2	0	13.4	0	13.4	0.5	0	0	0.5	0	0
Spain, Navarre *	100	76.8	0	0			76.8	20.7	0	0	20.7	0	2.4	0	2.4	0	0
Spain, Valencian region	100	75.0	1.2	0			76.1	1.5	15.4	0	16.9	1.0	5.9	0	6.9	0	0
Sweden	100	55.5	0.1	0			55.6			34.1	34.1	4.6	5.7	0	10.3	0	0
Switzerland †	100	78.4	0.6	0.6	2.0	0	81.6	3.4	6.1	0.2	9.7	6.8	1.9	0	8.7	0	0
the Netherlands	100	62.2	0.2	0		4.4	66.8	9.8	8.8	0	18.6	12.7	1.8	0	14.5	0.1	0
United Kingdom, England † #	100	54.9	0.9			15.1	71.0	11.3	10.7	0.4	22.4	2.9	3.6	0	6.6	0	0
United Kingdom, Northern Ireland † #	100	63.9		0	0	0	64.3	16.0	2.4		18.7	11.4	5.6	0	17.0	0	0
United Kingdom, Scotland	100	73.2	0.2	0			73.4	8.8	6.4	3.1	18.3	0	0	8.3	8.3	0	0
United Kingdom, Wales † #	100	69.5		0	0	8.6	78.7	5.7	8.4	0	14.1	4.4	2.9	0	7.3	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.3.11
Treatment modality distribution by age, sex, and primary renal disease, unadjusted
at day 91

	All				0-19				20-44				45-64				65-74				75+				Male				Female				DM				Non-DM			
	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Austria	88	10	2	0	50	13	38	0	75	16	9	0	85	13	2	0	90	9	1	0	94	6	0	0	88	11	2	0	88	9	3	0	93	6	1	0	86	12	2	0
Belgium, Dutch-speaking *	89	9	2	0					68	25	7	0	83	12	5	0	88	11	1	0	95	5	0	0	89	10	2	0	89	9	3	0	92	8	0	0	88	10	3	0
Belgium, French-speaking *	91	8	1	0					82	13	6	0	88	9	3	0	93	7	0	0	95	5	0	0	92	7	1	0	90	8	2	0	93	7	0	0	91	8	1	0
Bosnia and Herzegovina	97	2	1	0	100	0	0	0	94	0	6	0	95	4	1	0	100	0	0	0	98	2	0	0	98	1	1	0	95	4	1	0	97	3	0	0	97	2	1	0
Denmark	60	31	8	0	13	63	25	0	47	32	21	0	63	26	12	0	61	33	6	0	66	33	1	0	61	32	8	0	60	30	10	0	66	31	4	0	58	31	10	0
Estonia †	80	16	4	0	100	0	0	0	52	41	7	0	67	24	9	0	94	6	0	0	93	7	0	0	81	17	2	0	78	15	7	0	57	35	8	0	85	13	3	0
Finland	70	23	8	0	17	25	58	0	70	21	9	0	71	18	11	0	72	24	4	0	72	28	1	0	70	22	8	0	70	23	7	0	68	29	3	0	71	19	10	0
France (26 of 27 regions) †	85	11	4	0	45	29	26	0	72	14	15	0	83	11	7	0	87	10	2	0	88	11	1	0	85	11	4	0	84	11	4	0	90	8	1	0	83	12	5	0
Greece	95	5	0	0	20	50	30	0	88	6	6	0	93	7	0	0	95	5	0	0	97	3	0	0	95	4	0	0	94	5	0	0	96	4	0	0	95	5	1	0
Iceland	77	20	3	0	50	50	0	0	40	40	20	0	100	0	0	0	88	13	0	0	75	25	0	0	81	14	5	0	67	33	0	0	100	0	0	0	71	25	4	0
Montenegro * †	100	0	0	0					100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0
Norway	60	29	11	0	25	50	25	0	38	25	38	0	60	28	12	0	63	29	8	0	67	30	3	0	59	32	9	0	61	23	16	0	64	28	7	0	59	29	12	0
Romania	99	1	0	0	78	19	4	0	98	1	1	0	99	1	0	0	99	1	0	0	99	1	0	0	98	1	0	0	99	1	0	0	99	1	0	0	99	1	0	0
Serbia	91	9	0	0	29	71	0	0	93	4	4	0	91	9	0	0	95	5	0	0	93	7	0	0	87	12	1	0	89	10	1	0	91	9	0	0	91	9	0	0
Spain, Andalusia	79	14	6	0	23	31	46	0	65	21	14	0	72	18	10	0	84	13	3	0	90	9	1	0	80	13	6	0	78	16	6	0	88	10	2	0	76	16	8	0
Spain, Aragon	83	16	1	0	0	0	0	0	67	33	0	0	86	12	2	0	82	18	0	0	87	13	0	0	82	17	1	0	86	14	0	0	85	15	0	0	82	17	1	0
Spain, Asturias	72	25	3	0	0	100	0	0	56	33	11	0	70	28	2	0	64	32	5	0	85	13	2	0	76	23	1	0	60	30	9	0	83	17	0	0	68	28	5	0
Spain, Basque country	67	27	6	0	0	0	100	0	76	14	10	0	66	24	11	0	64	30	6	0	70	30	0	0	72	24	4	0	57	33	10	0	68	32	0	0	67	25	8	0
Spain, Canary Islands	77	19	5	0	100	0	0	0	63	23	14	0	71	23	5	0	83	14	2	0	80	17	3	0	75	20	5	0	81	15	4	0	80	16	4	0	75	20	5	0
Spain, Cantabria *	80	8	12	0					67	17	17	0	70	3	27	0	89	5	5	0	86	14	0	0	80	8	12	0	78	11	11	0	95	0	5	0	74	11	15	0
Spain, Castile and León * †	81	14	4	0					58	25	17	0	77	16	7	0	78	19	2	0	92	7	1	0	81	14	5	0	83	14	2	0	85	10	4	0	80	16	4	0
Spain, Castile-La Mancha *	82	18	1	0					65	35	0	0	74	25	1	0	86	13	1	0	88	12	0	0	84	15	1	0	76	23	1	0	85	15	0	0	80	19	1	0
Spain, Catalonia †	77	14	9	0	55	7	38	0	59	17	24	0	69	17	14	0	79	12	9	0	86	12	1	0	78	14	9	0	75	15	10	0	84	11	4	0	75	15	11	0
Spain, Community of Madrid	81	16	3	0	38	38	25	0	68	22	9	1	76	20	4	0	82	15	3	0	90	9	1	0	81	15	4	0	80	17	3	0	91	8	1	0	77	19	4	0
Spain, Extremadura	91	9	0	0	100	0	0	0	100	0	0	0	77	23	0	0	95	5	0	0	100	0	0	0	91	9	0	0	90	10	0	0	94	6	0	0	90	10	0	0
Spain, Galicia	73	22	5	0	0	0	100	0	68	19	13	0	63	28	8	0	72	24	4	0	83	17	0	0	79	19	3	0	61	30	9	0	84	16	0	0	69	24	6	0
Spain, La Rioja	59	41	0	0	0	0	0	0	100	0	0	0	56	44	0	0	25	75	0	0	90	10	0	0	59	41	0	0	60	40	0	0	83	17	0	0	48	52	0	0
Spain, Murcia	86	13	0	0	100	0	0	0	67	29	4	0	77	23	0	0	93	7	0	0	97	3	0	0	88	11	1	0	81	19	0	0	90	10	0	0	85	15	1	0
Spain, Navarre *	77	21	2	0					50	40	10	0	73	27	0	0	79	17	4	0	94	6	0	0	82	15	3	0	64	36	0	0	100	0	0	0	68	28	3	0
Spain, Valencian region	76	17	7	0	27	18	55	0	65	23	12	0	67	21	12	0	80	16	4	0	86	13	2	0	77	16	6	0	74	19	8	0	82	15	3	0	75	17	8	0
Sweden	56	34	10	0	17	30	52	0	42	36	22	0	51	35	13	0	62	29	9	0	63	36	1	0	54	36	10	0	58	31	11	0	64	31	4	0	53	35	12	0
Switzerland †	82	10	9	0	7	60	33	0	60	19	22	0	75	9	17	0	89	7	4	0	91	8	1	0	81	10	9	0	83	10	7	0	89	8	3	0	80	10	10	0
the Netherlands	67	19	15	0	25	25	46	4	52	16	32	0	62	19	19	0	72	17	11	0	77	21	2	0	69	18	13	0	64	20	16	0	78	19	3	0	64	19	18	0
United Kingdom, England † #	71	22	7	0	32	46	22	0	58	29	13	0	70	22	8	0	74	21	5	0	83	16	1	0	72	22	6	0	69	23	8	0	76	21	3	0	69	23	8	0
United Kingdom, Northern Ireland † #	64	19	17	0	0	0	0	0	49	25	26	0	61	12	27	0	69	12	19	0	73	24	0	0	61	23	16	0	70	11	19	0	80	12	0	0	60	20	20	0
United Kingdom, Scotland	73	18	8	0	69	23	8	0	64	23	14	0	65	21	13	0	81	17	3	0	88	10	2	0	75	18	7	0	71	19	10	0	83	11	5	0	69	21	10	0
United Kingdom, Wales † #	79	14	7	0					75	10	16	0	78	13	9	0	76	20	0	0	91				79	15	6	0	78	13	10	0	92	7			72	17	10	0

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; Un: unknown; DM: diabetes mellitus

Categories may not add up because of missing values or rounding off

* Patients younger than 20 years of age are not reported

† The incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

|| The incidence of pre-emptive transplantation is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.4.1
Prevalent counts and percentages by age and sex
prevalent patients on December 31

	All			0-19						20-44						45-64						65-74						75+					
	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female									
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%								
Austria §	8977	5751	3226	86	1	55	1	31	1	1104	12	683	12	421	13	3602	40	2328	40	1274	39	2291	26	1493	26	798	25	1894	21	1192	21	702	22
Belgium, Dutch-speaking *	8640	5296	3344							879	10	530	10	349	10	2747	32	1721	32	1026	31	2151	25	1346	25	805	24	2863	33	1699	32	1164	35
Belgium, French-speaking *	6829	4172	2657							692	10	401	10	291	11	2278	33	1451	35	827	31	1926	28	1192	29	734	28	1933	28	1128	27	805	30
Bosnia and Herzegovina	2400	1462	938	13	1	8	1	5	1	391	16	247	17	144	15	1028	43	657	45	371	40	653	27	386	26	267	28	315	13	164	11	151	16
Denmark	5794	3650	2144	71	1	42	1	29	1	961	17	608	17	353	16	2410	42	1519	42	891	42	1332	23	825	23	507	24	1020	18	656	18	364	17
Estonia	1100	649	451	14	1	7	1	7	2	173	16	106	16	67	15	472	43	291	45	181	40	264	24	150	23	114	25	177	16	95	15	82	18
Finland	5309	3311	1998	119	2	73	2	46	2	827	16	512	15	315	16	1988	37	1226	37	762	38	1423	27	893	27	530	27	952	18	607	18	345	17
France (26 of 27 regions)	93098	57685	35413	955	1	584	1	371	1	11921	13	7182	12	4739	13	32014	34	19794	34	12220	35	24502	26	15430	27	9072	26	23706	25	14695	25	9011	25
Greece	15277	10097	5180	83	1	52	1	31	1	1405	9	926	9	479	9	5004	33	3341	33	1663	32	3880	25	2632	26	1248	24	4905	32	3146	31	1759	34
Iceland	314	200	114	6	2	5	3	1	1	62	20	33	17	29	25	123	39	77	39	46	40	69	22	49	25	20	18	54	17	36	18	18	16
Montenegro *	269	165	104							40	15	21	13	19	18	122	45	71	43	51	49	77	29	55	33	22	21	30	11	18	11	12	12
Norway	5503	3536	1967	99	2	60	2	39	2	809	15	503	14	306	16	2168	39	1361	38	807	41	1354	25	906	26	448	23	1073	19	706	20	367	19
Romania	22650	12993	9657	123	1	64	0	59	1	2700	12	1613	12	1087	11	8063	36	4887	38	3176	33	6322	28	3537	27	2785	29	5442	24	2892	22	2550	26
Serbia	5644	3478	2158	63	1	40	1	23	1	734	13	468	13	266	12	2207	39	1335	38	868	40	1666	30	1037	30	626	29	972	17	596	17	375	17
Spain, Andalusia	11312	6974	4338	121	1	74	1	47	1	1494	13	913	13	581	13	4574	40	2912	42	1662	38	2733	24	1729	25	1004	23	2390	21	1346	19	1044	24
Spain, Aragon	1939	1284	655	10	1	3	0	7	1	181	9	118	9	63	10	664	34	417	32	247	38	502	26	360	28	142	22	582	30	386	30	196	30
Spain, Asturias	1477	967	510	13	1	10	1	3	1	114	8	76	8	38	7	528	36	337	35	191	37	457	31	304	31	153	30	365	25	240	25	125	25
Spain, Basque country	2856	1844	1012	34	1	21	1	13	1	359	13	218	12	141	14	1061	37	685	37	376	37	753	26	494	27	259	26	649	23	426	23	223	22
Spain, Canary Islands	3499	2290	1209	14	0	11	0	3	0	381	11	242	11	139	11	1437	41	931	41	506	42	896	26	613	27	283	23	771	22	493	22	278	23
Spain, Cantabria *	687	477	210							69	10	43	9	26	12	274	40	184	39	90	43	179	26	129	27	50	24	165	24	121	25	44	21
Spain, Castile and León *	3274	2164	1110							287	9	188	9	99	9	1148	35	742	34	406	37	831	25	561	26	270	24	1008	31	673	31	335	30
Spain, Castile-La Mancha *	2545	1598	947							242	10	148	9	94	10	1043	41	657	41	386	41	645	25	433	27	212	22	615	24	360	23	255	27
Spain, Catalonia	11841	7534	4307	141	1	83	1	58	1	1251	11	804	11	447	10	4453	38	2846	38	1607	37	2968	25	1922	26	1046	24	3028	26	1879	25	1149	27
Spain, Community of Madrid	7850	4984	2866	91	1	64	1	27	1	985	13	567	11	418	15	3093	39	1959	39	1134	40	1913	24	1247	25	666	23	1768	23	1147	23	621	22
Spain, Extremadura	1419	898	521	7	0	3	0	4	1	126	9	78	9	48	9	596	42	378	42	218	42	366	26	245	27	121	23	323	23	194	22	129	25
Spain, Galicia	4057	2628	1429	22	1	15	1	7	0	397	10	242	9	155	11	1563	39	1020	39	543	38	1042	26	680	26	362	25	1033	25	671	26	362	25
Spain, La Rioja	382	251	131	1	0	0	0	1	1	45	12	32	13	13	10	164	43	104	41	60	46	85	22	59	24	26	20	87	23	56	22	31	24
Spain, Murcia	2192	1427	765	27	1	17	1	10	1	239	11	154	11	85	11	900	41	578	41	322	42	514	23	347	24	167	22	512	23	331	23	181	24
Spain, Navarre *	930	609	321							107	12	56	9	51	16	341	37	227	37	114	36	245	26	177	29	68	21	237	25	149	24	88	27
Spain, Valencian region	7650	4860	2790	71	1	51	1	20	1	869	11	565	12	304	11	2782	36	1754	36	1028	37	1904	25	1221	25	683	24	2024	26	1269	26	755	27
Sweden	10499	6752	3747	181	2	110	2	71	2	1653	16	1035	15	618	16	4003	38	2570	38	1433	38	2491	24	1591	24	900	24	2171	21	1446	21	725	19
Switzerland	8512	5373	3139	107	1	66	1	41	1	1059	12	663	12	396	13	3099	36	1943	36	1156	37	2170	25	1384	26	786	25	2077	24	1317	25	760	24
the Netherlands ‡	17975	10856	7119	212	1	124	1	88	1	2515	14	1521	14	994	14	7032	39	4240	39	2792	39	4702	26	2814	26	1888	27	3514	20	2157	20	1357	19
United Kingdom, England	55870	34306	21564	1127	2	689	2	438	2	10176	18	6116	18	4060	19	23953	43	14688	43	9265	43	11860	21	7308	21	4552	21	8754	16	5505	16	3249	15
United Kingdom, Northern Ireland	2062	1258	804	41	2	28	2	13	2	375	18	222	18	153	19	879	43	535	43	344	43	388	19	247	20	141	18	379	18	226	18	153	19
United Kingdom, Scotland	5488	3348	2140	88	2	59	2	29	1	999	18	614	18	385	18	2533	46	1497	45	1036	48	1203	22	771	23	432	20	665	12	407	12	258	12
United Kingdom, Wales	3304	2092	1212	58	2	36	2	22	2	624	19	383	18	241	20	1355	41	854	41	501	41	730	22	460	22	270	22	537	16	359	17	178	15

Categories may not add up because of missing values or rounding off

§ The prevalence is underestimated by approximately 1% due to one haemodialysis centre not submitting data

* Patients younger than 20 years of age are not reported

‡ The prevalence is underestimated by approximately 4%

Table B.4.2
Prevalence per million (age-related) population by age and sex, unadjusted
prevalent patients on December 31

	All			0-19			20-44			45-64			65-74			75+		
	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Austria	1017.2	1323.8	719.9	50.6	62.9	37.5	385.2	468.4	299.0	1405.0	1828.6	987.2	2658.7	3707.0	1738.7	2271.0	3548.4	1409.5
Belgium, Dutch-speaking *	1292.0	1598.4	991.1				428.8	512.8	343.3	1518.4	1885.3	1144.7	2983.4	3827.0	2179.9	4280.4	6097.9	2982.8
Belgium, French-speaking *	1394.0	1735.6	1064.8				425.1	490.1	359.4	1794.7	2290.0	1301.0	4026.1	5361.5	2866.6	5070.8	7778.3	3408.3
Bosnia and Herzegovina	679.7	844.0	521.4	16.5	19.8	13.1	319.6	396.8	239.6	1008.5	1322.5	710.0	2220.9	2994.1	1617.2	1514.6	2044.3	1182.0
Denmark	989.3	1252.6	728.5	55.0	63.5	46.1	523.6	651.9	391.0	1559.3	1965.3	1153.2	2103.5	2691.1	1552.1	1846.1	2730.4	1165.7
Estonia	826.5	1026.6	645.4	49.4	48.1	50.7	405.2	475.6	328.2	1352.6	1722.7	1005.3	1804.9	2553.5	1302.5	1414.6	2623.0	922.3
Finland	958.1	1209.1	712.9	102.9	123.4	81.4	478.1	573.9	376.0	1433.4	1764.5	1101.0	2016.9	2669.0	1428.7	1694.1	2692.6	1025.2
France (26 of 27 regions)	1382.2	1770.0	1018.6	59.6	71.2	47.4	595.8	726.6	468.2	1850.5	2344.0	1379.9	3245.9	4393.8	2247.3	3659.2	5770.5	2291.8
Greece	1445.4	1958.5	956.8	41.3	50.2	31.8	446.9	580.0	309.5	1654.4	2285.5	1064.0	3285.2	4774.9	1981.4	4055.6	6175.9	2512.7
Iceland	842.9	1046.7	628.3	65.2	105.8	22.4	453.9	457.6	449.8	1388.5	1707.8	1057.5	2146.7	3048.8	1244.5	2325.5	3413.9	1420.0
Montenegro *	434.4	539.2	332.1				191.0	196.5	185.2	755.3	903.2	615.0	1202.9	1889.2	630.4	862.3	1318.7	567.6
Norway	1018.5	1297.3	734.7	80.2	94.7	64.9	450.9	545.6	350.7	1552.0	1908.9	1179.9	2508.0	3390.0	1643.4	2456.7	3722.2	1485.3
Romania	1184.5	1395.0	984.6	30.1	30.4	29.7	449.9	522.6	372.9	1514.6	1853.7	1181.9	2859.8	3713.7	2213.4	3640.2	5403.7	2656.8
Serbia	869.3	1100.4	647.7	49.8	61.4	37.5	354.5	442.9	262.3	1243.6	1549.1	950.8	1924.8	2680.1	1307.9	1883.9	2928.2	1200.3
Spain, Andalusia	1329.2	1661.3	1005.8	68.8	81.7	55.1	552.7	667.3	435.2	1807.1	2320.1	1302.5	3422.5	4566.8	2390.8	3323.8	4634.1	2435.8
Spain, Aragon	1466.0	1967.6	977.5	40.5	23.5	58.6	467.4	599.6	330.8	1672.9	2079.1	1258.0	3612.2	5441.5	1950.1	3818.4	6287.6	2153.2
Spain, Asturias	1463.0	2004.2	967.6	88.6	132.5	42.1	431.9	572.8	289.5	1605.2	2096.9	1135.4	3378.9	4867.3	2101.8	2707.9	4689.1	1495.1
Spain, Basque country	1309.2	1747.8	898.5	84.8	101.7	66.8	600.4	729.0	471.7	1576.5	2065.3	1101.6	2997.3	4203.0	1937.3	2514.3	4247.5	1412.9
Spain, Canary Islands	1556.3	2058.5	1064.4	35.8	54.7	15.8	505.9	645.1	367.7	2006.1	2584.5	1421.1	4262.2	6073.9	2589.3	4346.6	6581.0	2713.1
Spain, Cantabria *	1176.3	1676.2	701.3				418.3	515.4	319.0	1490.6	2022.4	969.5	2605.5	3968.9	1381.3	2532.7	4810.8	1100.1
Spain, Castile and León *	1373.8	1844.7	917.3				444.3	569.5	313.5	1542.6	1979.4	1099.2	2963.8	4049.1	1903.6	3025.9	4998.4	1687.8
Spain, Castile-La Mancha *	1241.9	1553.1	928.1				379.7	448.6	305.8	1707.5	2107.7	1290.5	3443.1	4729.6	2213.5	3000.4	4258.1	2117.4
Spain, Catalonia	1525.2	1972.3	1092.2	91.1	103.9	77.4	498.8	631.3	362.1	1997.9	2558.4	1439.4	3981.2	5563.5	2614.7	4130.0	6485.1	2591.2
Spain, Community of Madrid	1162.7	1543.2	813.8	68.1	93.4	41.4	440.1	515.6	367.1	1575.7	2080.6	1110.3	3112.4	4556.6	1953.3	2954.2	5002.3	1682.2
Spain, Extremadura	1339.3	1713.8	972.9	36.4	30.4	42.7	394.1	478.4	306.4	1844.0	2315.9	1362.6	3439.6	4708.5	2225.4	2739.0	4123.4	1820.0
Spain, Galicia	1505.8	2021.4	1025.0	52.1	68.8	34.3	529.5	640.2	417.0	1895.6	2526.0	1290.5	3214.6	4464.1	2106.8	2763.6	4533.8	1603.2
Spain, La Rioja	1208.7	1612.4	816.8	16.5	0	34.1	488.9	694.1	282.9	1723.0	2170.6	1269.3	2568.5	3649.6	1536.0	2474.0	3918.3	1485.1
Spain, Murcia	1443.5	1876.7	1009.1	79.2	96.6	60.6	472.3	590.5	346.6	2097.0	2665.7	1516.3	4092.6	5845.6	2521.5	4386.6	6977.8	2612.4
Spain, Navarre *	1412.5	1872.7	963.4				545.6	566.3	524.4	1758.8	2322.7	1185.6	3703.4	5528.7	1991.8	3504.6	5429.0	2190.1
Spain, Valencian region	1512.4	1950.7	1087.0	72.3	100.8	42.0	553.9	710.1	393.1	1840.3	2328.8	1355.2	3680.1	5029.0	2487.3	4228.3	6540.3	2652.4
Sweden	1008.0	1288.1	724.2	74.7	88.2	60.4	495.1	600.8	382.4	1568.9	1992.0	1136.1	2302.6	2996.4	1633.7	2125.1	3208.1	1270.0
Switzerland	1007.1	1280.8	737.4	63.5	76.2	50.1	377.8	465.8	287.0	1309.3	1634.6	981.1	2658.8	3542.1	1847.6	2657.3	4031.8	1670.4
the Netherlands	1067.9	1297.4	841.1	59.0	67.4	50.2	476.9	570.7	381.1	1523.6	1838.8	1208.9	2490.3	3034.3	1965.2	2400.7	3423.0	1627.9
United Kingdom, England	1009.4	1265.9	763.4	88.3	105.3	70.4	563.4	691.5	440.4	1678.5	2091.8	1278.1	2176.2	2789.7	1608.3	1824.3	2654.7	1192.4
United Kingdom, Northern Ireland	1082.7	1342.8	830.8	85.7	114.2	55.7	623.1	748.1	501.5	1775.7	2200.5	1365.7	2183.7	2837.4	1555.8	2500.9	3497.1	1760.3
United Kingdom, Scotland	1001.5	1252.7	762.3	77.4	101.2	52.3	561.7	693.5	431.1	1699.9	2080.1	1344.7	2019.9	2709.4	1389.0	1390.4	2033.2	927.7
United Kingdom, Wales	1063.9	1376.6	764.3	84.4	102.1	65.8	671.1	836.0	510.9	1646.7	2128.0	1188.5	2032.8	2643.9	1458.4	1751.0	2684.1	1029.4

* Patients younger than 20 years of age are not reported

Table B.4.3
Sex, mean age, and median age
prevalent patients on December 31

	All						Male						Female					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Austria	100	62.2	15.3	63.8	53.3	73.5	64.1	62.3	15.2	63.9	53.7	73.5	35.9	62.2	15.5	63.7	52.6	73.5
Belgium, Dutch-speaking *	100	66.5	15.2	68.4	57.0	78.0	61.3	66.3	15.0	68.1	56.9	77.5	38.7	66.9	15.5	68.8	57.0	78.8
Belgium, French-speaking *	100	65.7	14.9	67.5	56.5	76.2	61.1	65.5	14.6	67.1	56.3	75.7	38.9	66.1	15.3	68.0	56.6	77.2
Bosnia and Herzegovina	100	59.7	14.4	61.5	50.6	70.3	60.9	59.0	14.3	60.9	49.5	69.0	39.1	60.8	14.5	62.8	51.6	71.5
Denmark	100	59.5	15.9	61.0	49.5	72.0	63.0	59.4	15.9	60.8	49.5	72.0	37.0	59.5	15.8	61.4	49.6	71.7
Estonia	100	59.8	15.5	61.0	50.4	71.6	59.0	59.5	15.3	60.4	50.5	70.8	41.0	60.4	15.8	62.1	49.9	72.5
Finland	100	60.2	16.6	62.8	51.1	72.7	62.4	60.4	16.6	63.0	50.9	73.0	37.6	59.9	16.7	62.6	51.5	72.3
France (26 of 27 regions)	100	63.5	16.2	65.8	53.5	75.2	62.0	63.6	16.0	66.0	53.6	75.2	38.0	63.4	16.4	65.5	53.2	75.2
Greece	100	66.2	15.3	68.2	56.2	77.6	66.1	66.0	15.1	68.0	56.3	77.1	33.9	66.6	15.7	68.5	56.2	78.5
Iceland	100	58.5	17.2	59.9	47.1	72.2	63.7	59.5	17.5	61.3	48.6	73.2	36.3	56.8	16.7	56.8	44.8	70.8
Montenegro *	100	59.8	13.6	62.5	51.5	69.5	61.3	60.9	13.7	63.5	54.5	69.5	38.7	58.0	13.4	60.0	48.0	68.0
Norway	100	60.4	16.1	62.3	50.5	72.7	64.3	60.8	16.0	62.8	50.9	72.9	35.7	59.7	16.3	61.4	49.5	72.3
Romania	100	63.8	15.5	65.7	53.5	74.5	57.4	63.1	15.4	64.8	53.0	73.8	42.6	64.7	15.7	66.9	54.2	75.5
Serbia	100	61.6	15.0	63.9	52.0	71.9	61.6	61.5	15.2	64.0	51.9	71.9	38.2	61.6	14.8	63.5	52.3	72.0
Spain, Andalusia	100	61.8	15.3	63.0	52.2	73.5	61.7	61.5	15.0	62.8	52.2	72.8	38.3	62.2	15.9	63.7	52.0	74.6
Spain, Aragon	100	65.7	15.1	67.3	56.2	77.3	66.2	66.2	14.6	67.9	57.5	77.4	33.8	64.6	15.9	66.0	53.8	77.2
Spain, Asturias	100	64.9	14.3	66.5	56.5	74.8	65.5	64.7	14.4	66.3	57.1	75.0	34.5	65.3	14.1	67.0	55.3	74.4
Spain, Basque country	100	62.6	15.3	64.7	52.8	74.0	64.6	63.0	15.2	64.9	53.5	74.3	35.4	61.9	15.5	64.0	51.8	73.8
Spain, Canary Islands	100	63.0	14.3	64.2	53.5	73.9	65.4	63.1	14.3	64.4	54.0	73.7	34.6	63.0	14.4	63.9	53.0	74.0
Spain, Cantabria *	100	63.9	13.7	65.0	54.9	74.8	69.4	64.6	13.7	66.1	55.5	75.2	30.6	62.2	13.8	63.0	53.2	73.5
Spain, Castile and León *	100	66.3	14.1	67.4	57.2	77.2	66.1	66.4	14.0	67.9	57.4	77.1	33.9	66.1	14.4	66.6	56.7	77.5
Spain, Castile-La Mancha *	100	64.1	14.0	64.8	54.8	74.6	62.8	64.0	13.6	64.8	54.8	74.0	37.2	64.2	14.7	64.7	54.8	75.7
Spain, Catalonia	100	63.6	15.5	65.4	53.9	75.3	63.6	63.6	15.3	65.3	53.9	75.0	36.4	63.7	15.8	65.5	53.6	75.7
Spain, Community of Madrid	100	62.3	15.7	63.8	52.6	74.1	63.5	62.7	15.6	64.2	53.4	74.3	36.5	61.7	15.8	63.0	51.0	73.8
Spain, Extremadura	100	63.8	14.1	64.5	54.7	73.9	63.3	63.9	13.6	64.6	55.2	73.8	36.7	63.7	14.9	64.1	54.3	75.0
Spain, Galicia	100	64.1	14.5	65.5	54.8	75.3	64.8	64.3	14.3	65.7	55.0	75.4	35.2	63.9	14.9	65.3	53.7	75.2
Spain, La Rioja	100	62.4	14.7	63.0	51.7	74.0	65.7	62.1	14.6	63.0	51.6	73.5	34.3	63.0	15.0	63.0	51.7	74.1
Spain, Murcia	100	62.9	15.2	63.9	53.8	74.4	65.1	63.0	15.1	64.0	54.3	74.4	34.9	62.7	15.5	63.6	53.0	74.4
Spain, Navarre *	100	63.9	14.4	65.5	54.1	75.2	65.5	64.6	13.8	65.9	55.3	74.7	34.5	62.5	15.5	64.8	51.7	75.3
Spain, Valencian region	100	63.8	15.5	65.6	54.0	75.6	63.5	63.6	15.6	65.6	54.0	75.5	36.5	64.1	15.4	65.7	54.1	75.8
Sweden	100	60.5	16.4	62.5	50.5	73.1	64.3	60.8	16.4	62.8	51.0	73.4	35.7	59.9	16.6	62.0	49.6	72.7
Switzerland	100	62.9	15.9	65.0	53.8	74.8	63.1	63.0	15.9	65.1	53.9	74.9	36.9	62.7	15.8	64.7	53.5	74.7
the Netherlands	100	61.3	15.6	63.3	52.0	73.0	60.4	61.3	15.6	63.3	51.8	73.2	39.6	61.2	15.6	63.3	52.0	72.8
United Kingdom, England	100	58.3	16.3	59.6	48.5	70.4	61.4	58.5	16.3	59.9	48.7	70.5	38.6	57.9	16.3	59.4	48.0	70.2
United Kingdom, Northern Ireland	100	58.8	16.6	59.8	47.9	71.5	61.0	58.7	16.8	59.6	47.8	71.3	39.0	58.9	16.3	59.8	48.0	71.8
United Kingdom, Scotland	100	57.1	15.3	59.0	48.0	68.0	61.0	57.1	15.6	59.0	48.0	69.0	39.0	57.5	14.9	58.5	48.0	68.0
United Kingdom, Wales	100	58.4	16.4	59.7	48.5	71.0	63.3	58.7	16.5	60.0	48.9	71.4	36.7	58.0	16.4	59.3	47.1	70.3

Categories may not add up because of missing values or rounding off

** Patients younger than 20 years of age are not reported*

Table B.4.4
Prevalence per million population, adjusted
prevalent patients on December 31, adjusted for age and sex

	All	Male	Female
	Pmp	Pmp	Pmp
Austria	978.0	1269.2	700.3
Belgium, Dutch-speaking *	1211.4	1470.5	964.3
Belgium, French-speaking *	1484.4	1850.8	1134.9
Bosnia and Herzegovina	747.9	940.6	564.1
Denmark	973.4	1225.3	733.3
Estonia	837.2	1068.5	616.6
Finland	907.4	1139.7	685.9
France (26 of 27 regions)	1363.7	1727.1	1017.1
Greece	1281.3	1718.7	864.1
Iceland	952.0	1183.7	731.1
Montenegro *	458.3	574.7	347.4
Norway	1041.1	1317.5	777.6
Romania	1191.4	1431.9	962.0
Serbia	819.6	1043.1	606.4
Spain, Andalusia	1318.4	1639.4	1012.2
Spain, Aragon	1309.9	1740.1	899.6
Spain, Asturias	1173.9	1585.8	781.2
Spain, Basque country	1162.6	1526.8	815.3
Spain, Canary Islands	1518.3	1988.2	1070.2
Spain, Cantabria *	1034.6	1457.1	631.7
Spain, Castile and León *	1108.9	1457.3	776.6
Spain, Castile-La Mancha *	1200.1	1494.8	919.1
Spain, Catalonia	1497.1	1934.4	1080.1
Spain, Community of Madrid	1181.1	1565.0	815.1
Spain, Extremadura	1212.2	1535.9	903.5
Spain, Galicia	1262.2	1665.8	877.3
Spain, La Rioja	1103.4	1465.7	757.9
Spain, Murcia	1546.1	2027.7	1086.8
Spain, Navarre *	1340.5	1746.3	953.4
Spain, Valencian region	1432.3	1840.1	1043.4
Sweden	1008.9	1282.2	748.3
Switzerland	983.5	1238.7	740.1
the Netherlands	1034.0	1241.1	836.4
United Kingdom, England	1037.0	1287.7	797.9
United Kingdom, Northern Ireland	1138.2	1401.2	887.4
United Kingdom, Scotland	987.8	1230.9	756.1
United Kingdom, Wales	1041.1	1335.3	760.6

* Patients younger than 20 years of age are not reported

Table B.4.5
Prevalence per million population and percentages by primary renal disease, unadjusted
prevalent patients on December 31

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type 1		Type 2		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Austria	1017.2	100	223.8	22.0	65.9	6.5	81.1	8.0	49.4	4.9	142.7	14.0	192.1	18.9	113.2	11.1	36.4	3.6	205.3	20.2	99.0	9.7	0.3	0
Belgium, Dutch-speaking *	1292.0	100	225.2	17.4	83.4	6.5	136.4	10.6	47.7	3.7	160.6	12.4	208.3	16.1	110.7	8.6	36.3	2.8	356.1	27.6	135.6	10.5	0	0
Belgium, French-speaking *	1394.0	100	219.8	15.8	94.5	6.8	116.4	8.3	36.9	2.7	204.3	14.7	241.3	17.3	204.5	14.7	19.2	1.4	339.7	24.4	158.6	11.4	0	0
Bosnia and Herzegovina	679.7	100	133.1	19.6	86.4	12.7	39.6	5.8	38.5	5.7	80.1	11.8	118.7	17.5	87.5	12.9	6.5	1.0	108.2	15.9	99.7	14.7	0	0
Denmark	989.3	100	207.6	21.0	66.2	6.7	96.6	9.8	70.2	7.1	99.0	10.0	169.2	17.1	97.8	9.9	3.9	0.4	168.4	17.0	179.5	18.1	0	0
Estonia	826.5	100	211.1	25.5	96.9	11.7	76.6	9.3					152.5	18.5	119.5	14.5	51.1	6.2	117.2	14.2	0.8	0.1	0.8	0.1
Finland	958.1	100	201.6	21.0	82.7	8.6	131.2	13.7	148.3	15.5	87.5	9.1	235.9	24.6	48.5	5.1	2.9	0.3	166.9	17.4	88.3	9.2	0.2	0
France (26 of 27 regions)	1382.2	100	275.9	20.0	102.1	7.4	140.9	10.2					228.5	16.5	228.5	16.5	11.8	0.9	237.1	17.2	157.5	11.4	0	0
Greece	1445.4	100	236.7	16.4	85.3	5.9	116.1	8.0	26.2	1.8	234.2	16.2	260.4	18.0	133.3	9.2	16.8	1.2	156.7	10.8	440.1	30.4	0	0
Iceland	842.9	100	190.6	22.6	56.4	6.7	102.0	12.1	53.7	6.4	40.3	4.8	94.0	11.1	142.3	16.9	26.8	3.2	193.3	22.9	37.6	4.5	0	0
Montenegro *	434.4	100	54.9	12.6	19.4	4.5	17.8	4.1	27.5	6.3	50.1	11.5	77.5	17.8	143.7	33.1	0	0	61.4	14.1	59.8	13.8	0	0
Norway	1018.5	100	284.5	27.9	68.1	6.7	113.1	11.1					136.6	13.4	180.3	17.7	5.7	0.6	202.7	19.9	25.0	2.5	2.6	0.3
Romania	1184.5	100	194.5	16.4	86.3	7.3	48.0	4.0					108.7	9.2	65.1	5.5	6.3	0.5	182.3	15.4	493.5	41.7	0	0
Serbia	869.3	100	153.4	17.6	81.3	9.4	56.5	6.5					152.9	17.6	216.2	24.9	8.6	1.0	130.9	15.1	68.7	7.9	0.6	0.1
Spain, Andalusia	1329.2	100	269.1	20.2	114.8	8.6	128.1	9.6					223.0	16.8	109.9	8.3	5.8	0.4	208.9	15.7	269.7	20.3	0	0
Spain, Aragon	1466.0	100	295.6	20.2	75.6	5.2	126.3	8.6	64.3	4.4	204.1	13.9	268.4	18.3	157.3	10.7	4.5	0.3	177.7	12.1	360.6	24.6	0	0
Spain, Asturias	1463.0	100	311.0	21.3	107.0	7.3	153.5	10.5	50.5	3.5	213.0	14.6	263.5	18.0	208.0	14.2	0	0	214.0	14.6	206.0	14.1	0	0
Spain, Basque country	1309.2	100	223.3	17.1	106.8	8.2	155.9	11.9	36.7	2.8	138.9	10.6	175.6	13.4	150.4	11.5	5.0	0.4	212.7	16.2	279.6	21.4	0	0
Spain, Canary Islands	1556.3	100	234.8	15.1	84.5	5.4	78.3	5.0	30.7	2.0	376.7	24.2	407.4	26.2	63.6	4.1	4.0	0.3	344.7	22.1	330.9	21.3	8.0	0.5
Spain, Cantabria *	1176.3	100	366.4	31.1	87.3	7.4	130.1	11.1	39.4	3.3	157.5	13.4	196.9	16.7	104.4	8.9	49.7	4.2	138.7	11.8	70.2	6.0	32.5	2.8
Spain, Castile and León * ‡	1373.8	100	256.0	18.6	93.6	6.8	128.0	9.3	66.7	4.9	159.9	11.6	226.6	16.5	154.0	11.2	1.7	0.1	207.7	15.1	306.3	22.3	0	0
Spain, Castile-La Mancha *	1241.9	100	250.3	20.2	130.8	10.5	147.4	11.9					219.1	17.6	61.0	4.9	24.4	2.0	150.3	12.1	256.2	20.6	2.4	0.2
Spain, Catalonia	1525.2	100	299.7	19.7	127.5	8.4	161.9	10.6	39.0	2.6	193.1	12.7	234.7	15.4	118.0	7.7	32.8	2.2	165.9	10.9	330.8	21.7	53.8	3.5
Spain, Community of Madrid	1162.7	100	257.7	22.2	79.5	6.8	132.6	11.4	41.3	3.6	161.0	13.8	202.3	17.4	121.9	10.5	11.7	1.0	271.5	23.4	85.5	7.4	0	0
Spain, Extremadura	1339.3	100	263.3	19.7	92.5	6.9	130.3	9.7					221.8	16.6	76.5	5.7	21.7	1.6	153.8	11.5	365.3	27.3	14.2	1.1
Spain, Galicia	1505.8	100	274.7	18.2	93.2	6.2	181.1	12.0	58.6	3.9	204.5	13.6	263.2	17.5	109.5	7.3	5.6	0.4	262.4	17.4	316.2	21.0	0	0
Spain, La Rioja	1208.7	100	363.9	30.1	53.8	4.5	117.1	9.7	47.5	3.9	126.6	10.5	174.0	14.4	98.1	8.1	3.2	0.3	338.6	28.0	60.1	5.0	0	0
Spain, Murcia	1443.5	100	372.1	25.8	108.7	7.5	116.6	8.1	43.5	3.0	188.3	13.0	231.8	16.1	88.9	6.2	1.3	0.1	248.3	17.2	275.9	19.1	0	0
Spain, Navarre *	1412.5	100	258.2	18.3	45.6	3.2	182.3	12.9	74.4	5.3	167.1	11.8	241.5	17.1	158.0	11.2	3.0	0.2	288.6	20.4	235.4	16.7	0	0
Spain, Valencian region	1512.4	100	193.9	12.8	123.2	8.1	140.2	9.3					222.4	14.7	192.2	12.7	5.1	0.3	245.3	16.2	390.1	25.8	0	0
Sweden ‡	1008.0	100	256.6	25.5	51.4	5.1	109.0	10.8					171.1	17.0	115.1	11.4	3.6	0.4	205.0	20.3	96.3	9.6	0	0
Switzerland	1007.1	100	210.4	20.9	38.9	3.9	32.5	3.2	22.5	2.2	122.3	12.1	144.8	14.4	131.0	13.0	18.0	1.8	318.6	31.6	112.9	11.2	0	0
the Netherlands	1067.9	100	175.2	16.4	63.0	5.9	92.1	8.6	39.0	3.6	102.3	9.6	141.3	13.2	130.5	12.2	55.3	5.2	250.5	23.5	138.9	13.0	21.0	2.0
United Kingdom, England #	1009.4	100	185.8	18.4	94.4	9.4	93.8	9.3					181.2	18.0	66.6	6.6	9.4	0.9	191.3	19.0	139.9	13.9	47.0	4.7
United Kingdom, Northern Ireland #	1082.7	100	204.8	18.9	159.6	14.7	132.3	12.2					153.8	14.2	32.6	3.0	7.4	0.7	227.3	21.0	138.6	12.8	26.3	2.4
United Kingdom, Scotland	1001.5	100	220.1	22.0	111.3	11.1	115.9	11.6					174.1	17.4	32.1	3.2	5.7	0.6	235.8	23.5	106.6	10.6	0	0
United Kingdom, Wales #	1063.9	100	265.3	24.9	109.2	10.3	109.2	10.3					196.8	18.5	41.9	3.9	8.4	0.8	210.3	19.8	119.1	11.2	3.9	0.4

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown
 Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

‡ Mapping the 2018 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

Values based on 1 to 5 patients are suppressed

Table B.4.6
Prevalence per million population by primary renal disease, adjusted
prevalent patients on December 31, adjusted for age and sex

	All	GN	PN	PKD	DM			HT	RVD	Misc	Unkn	Missing
	Pmp	Pmp	Pmp	Pmp	Type 1	Type 2	Both	Pmp	Pmp	Pmp	Pmp	Pmp
					Pmp	Pmp	Pmp					
Austria	978.0	215.6	63.9	77.5	48.0	135.9	183.9	107.9	34.6	199.0	95.3	0.3
Belgium, Dutch-speaking *	1211.4	215.2	80.3	129.7	46.4	145.7	192.2	100.7	32.2	332.8	128.3	0
Belgium, French-speaking *	1484.4	232.0	100.4	123.0	39.0	217.8	256.8	220.9	21.1	360.1	170.0	0
Bosnia and Herzegovina	747.9	136.6	95.6	40.7	41.2	92.8	134.0	97.0	7.0	126.5	110.6	0
Denmark	973.4	210.6	65.5	93.8	71.9	92.4	164.2	93.3	3.7	166.7	175.6	0
Estonia	837.2	214.9	96.9	74.1			155.7	122.6	52.5	119.1	0.8	0.7
Finland	907.4	192.0	77.7	119.9	153.9	75.0	229.0	42.8	2.5	161.8	81.5	0.1
France (26 of 27 regions)	1363.7	280.1	103.1	139.6			220.5	215.5	11.4	239.4	154.0	0
Greece	1281.3	221.1	79.0	106.5	25.3	199.0	224.3	113.7	14.5	143.9	378.3	0
Iceland	952.0	210.4	65.4	118.8	58.6	43.7	102.3	168.8	34.5	212.5	39.4	0
Montenegro *	458.3	56.0	20.9	18.1	27.3	53.4	80.7	151.8	0	69.0	61.8	0
Norway	1041.1	289.5	69.6	117.4			139.9	183.8	5.9	206.8	25.5	2.7
Romania	1191.4	193.5	87.9	46.6			108.1	66.2	6.5	184.9	497.7	0
Serbia	819.6	146.7	78.5	51.8			140.8	202.4	8.0	124.8	66.0	0.6
Spain, Andalusia	1318.4	262.1	114.0	125.5			222.5	111.2	5.8	208.6	268.7	0
Spain, Aragon	1309.9	269.9	71.1	112.9	59.3	177.8	237.1	133.1	3.8	162.2	319.9	0
Spain, Asturias	1173.9	252.0	90.7	119.6	43.1	160.5	203.6	152.5	0	186.2	169.5	0
Spain, Basque country	1162.6	203.6	98.1	135.0	33.3	116.9	150.2	126.7	4.2	197.1	247.8	0
Spain, Canary Islands	1518.3	222.6	80.3	72.2	27.3	377.1	404.4	64.7	3.9	340.0	322.8	7.4
Spain, Cantabria *	1034.6	322.9	81.5	113.9	35.2	135.0	170.2	86.0	43.9	125.2	62.4	28.7
Spain, Castile and León * ‡	1108.9	217.2	77.8	106.1	58.7	117.8	176.5	113.4	1.4	173.4	242.9	0
Spain, Castile-La Mancha *	1200.1	241.7	126.5	145.2			212.9	57.7	22.3	145.8	245.7	2.3
Spain, Catalonia	1497.1	294.5	124.2	160.1	37.7	192.3	232.6	115.0	32.4	162.7	323.0	52.6
Spain, Community of Madrid	1181.1	259.8	79.0	135.2	39.7	169.6	209.3	124.7	12.1	274.2	86.9	0
Spain, Extremadura	1212.2	240.3	85.3	118.3			196.5	67.3	19.0	144.9	327.4	13.3
Spain, Galicia	1262.2	239.1	81.6	153.0	53.8	159.2	213.0	85.0	4.4	232.6	253.4	0
Spain, La Rioja	1103.4	332.7	49.3	106.2	44.4	113.8	158.2	88.5	2.8	311.0	54.8	0
Spain, Murcia	1546.1	394.5	114.3	119.9	41.3	208.6	249.9	99.3	1.5	266.6	299.9	0
Spain, Navarre *	1340.5	248.2	44.7	172.2	70.3	156.4	226.7	144.3	3.3	280.7	220.2	0
Spain, Valencian region	1432.3	184.5	117.3	131.8			209.9	180.7	4.9	235.2	367.9	0
Sweden ‡	1008.9	259.7	51.0	111.2			171.5	108.3	3.4	206.4	97.2	0
Switzerland	983.5	204.8	38.7	32.0	22.1	118.7	140.8	125.9	17.3	313.9	110.2	0
the Netherlands	1034.0	170.7	62.2	87.6	39.2	96.0	135.2	125.5	52.0	244.2	135.9	20.6
United Kingdom, England #	1037.0	191.7	96.9	97.3			186.5	68.5	9.4	195.2	143.8	47.7
United Kingdom, Northern Ireland #	1138.2	216.3	167.2	139.1			160.9	34.9	8.0	237.8	147.2	26.9
United Kingdom, Scotland	987.8	217.9	110.9	112.2			171.9	31.4	5.4	232.6	105.6	0
United Kingdom, Wales #	1041.1	262.9	111.3	105.1			193.1	39.6	7.5	204.1	113.6	3.8

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown
 Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

‡ Mapping the 2018 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

Values based on 1 to 5 patients are suppressed

Table B.4.7
Prevalent counts by treatment modality
prevalent patients on December 31

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Unkn	Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Austria §	8977	3102	1	12	9	1111	4235	196	122	9	327	801	3604	7	4412	3	0
Belgium, Dutch-speaking *	8640	2631	78	0	0	1833	4542	229	112	0	341	336	3419	2	3757	0	0
Belgium, French-speaking *	6829	2126	132	0	54	1390	3702	134	126	0	260	271	2417	169	2857	10	0
Bosnia and Herzegovina	2400	1141	0	0	0	794	1935	1	71	3	75	251	133	6	390	0	0
Denmark	5794	1877	165	0			2042	269	236	14	519	1231	1995	3	3229	4	0
Estonia	1100	347	0	0	0	0	347	44	14	1	59	29	665	0	694	0	0
Finland	5309	807	114	0	0	696	1617	175	123	0	298	323	2963	108	3394	0	0
France (26 of 27 regions)	93098	30557	713	56	54	16513	47893	1129	1948	11	3088	5801	34452	1377	41630	487	0
Greece	15277	7961	0	0	0	3870	11831	408	220	0	628	1196	1622	0	2818	0	0
Iceland	314	73	0	0			73	2	16	0	18	125	98	0	223	0	0
Montenegro *	269	256	0	0	0	7	263	0	0	0	0	6	0	0	6	0	0
Norway	5503	1360	52	0			1412			406	406	1380	2290	6	3676	9	0
Romania	22650	18586	0	1	31	1030	19648	65	1001	0	1066	500	817	607	1924	12	0
Serbia	5644	3599	30	12	19	662	4322	57	437	4	498	433	374	3	810	8	6
Spain, Andalusia	11312	4572	40	0			4612			409	409	602	5689	0	6291	0	0
Spain, Aragon	1939	465	6	0		126	597	17	77	0	94	112	1133	0	1245	3	0
Spain, Asturias	1477	531	5	0	0	16	552	23	55	0	78	46	798	3	847	0	0
Spain, Basque country	2856	763	7	0			770	21	142	0	163	207	1716	0	1923	0	0
Spain, Canary Islands	3499	1644	2	0	0	0	1646	0	0	220	220	68	1556	0	1624	9	0
Spain, Cantabria *	687	220	3	0			223	4	25	0	29	21	414	0	435	0	0
Spain, Castile and León *	3274	1184	16	0			1200	77	71	0	148	102	1758	0	1860	66	0
Spain, Castile-La Mancha *	2545	987	0	0			987	31	115	0	146	45	1318	49	1412	0	0
Spain, Catalonia	11841	980	41	0		3260	4281	200	257	0	457	1500	5603	0	7103	0	0
Spain, Community of Madrid	7850	3052	54	0			3106	158	273	0	431	383	3926	2	4311	2	0
Spain, Extremadura	1419	739	4	0			743	34	16	0	50	28	372	226	626	0	0
Spain, Galicia	4057	1718	25	0	0	0	1743	109	192	0	301	298	1636	79	2013	0	0
Spain, La Rioja	382	124	0	0	0	0	124	9	16	0	25	13	220	0	233	0	0
Spain, Murcia	2192	425	0	0	0	657	1082	17	90	0	107	72	931	0	1003	0	0
Spain, Navarre *	930	315	27	0			342	29	4	0	33	38	517	0	555	0	0
Spain, Valencian region	7650	3527	89	0			3616	90	361	0	451	163	2853	560	3576	7	0
Sweden	10499	3147	115	0			3262			927	927	2576	3733	0	6309	1	0
Switzerland	8512	3263	57	0	87	0	3407	146	153	0	299	1846	2938	22	4806	0	0
the Netherlands †	17975	4277	275	0		751	5303	614	376	0	990	6273	5397	9	11679	3	0
United Kingdom, England #	55870	15567	1166	9	16	4704	21462	1942	1405	45	3392	9927	20396	685	31008	8	0
United Kingdom, Northern Ireland #	2062	527	17	0	0	10	554	58	10		69	644	738	57	1439	0	0
United Kingdom, Scotland	5488	1872	46	0			1918	131	73	0	204	0	0	3366	3366	0	0
United Kingdom, Wales #	3304	1092	121	0	0	102	1315	83	68	0	151	581	1244	13	1838	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant

When cells are left empty, (complete) data are unavailable

§ The prevalence is underestimated by approximately 1% due to an estimated 1.2% underestimation of the prevalence of haemodialysis

* Patients younger than 20 years of age are not reported

|| The prevalence of patients living on a functioning graft is underestimated by approximately 30%

‡ The prevalence is underestimated by approximately 4%

Values based on 1 to 5 patients are suppressed

Table B.4.8
Prevalence per million population by treatment modality, unadjusted
prevalent patients on December 31

	All																Unkn	Missing
	Haemodialysis							Peritoneal dialysis				Kidney transplant						
	HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx				
Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp		
Austria	1017.2	351.5	0.1	1.4	1.0	125.9	479.9	22.2	13.8	1.0	37.1	90.8	408.4	0.8	499.9	0.3	0	
Belgium, Dutch-speaking *	1292.0	393.4	11.7	0	0	274.1	679.2	34.2	16.7	0	51.0	50.2	511.3	0.3	561.8	0	0	
Belgium, French-speaking *	1394.0	434.0	26.9	0	11.0	283.7	755.7	27.4	25.7	0	53.1	55.3	493.4	34.5	583.2	2.0	0	
Bosnia and Herzegovina	679.7	323.1	0	0	0	224.9	548.0	0.3	20.1	0.8	21.2	71.1	37.7	1.7	110.4	0	0	
Denmark	989.3	320.5	28.2	0			348.7	45.9	40.3	2.4	88.6	210.2	340.6	0.5	551.3	0.7	0	
Estonia	826.5	260.7	0	0	0	0	260.7	33.1	10.5	0.8	44.3	21.8	499.7	0	521.4	0	0	
Finland	958.1	145.6	20.6	0	0	125.6	291.8	31.6	22.2	0	53.8	58.3	534.7	19.5	612.5	0	0	
France (26 of 27 regions)	1382.2	453.7	10.6	0.8	0.8	245.2	711.0	16.8	28.9	0.2	45.8	86.1	511.5	20.4	618.1	7.2	0	
Greece	1445.4	753.2	0	0	0	366.2	1119.4	38.6	20.8	0	59.4	113.2	153.5	0	266.6	0	0	
Iceland	842.9	196.0	0	0			196.0	5.4	43.0	0	48.3	335.6	263.1	0	598.6	0	0	
Montenegro *	434.4	413.4	0	0	0	11.3	424.7	0	0	0	0	9.7	0	0	9.7	0	0	
Norway	1018.5	251.7	9.6	0			261.3			75.1	75.1	255.4	423.8	1.1	680.4	1.7	0	
Romania	1184.5	972.0	0	0.1	1.6	53.9	1027.5	3.4	52.3	0	55.7	26.1	42.7	31.7	100.6	0.6	0	
Serbia	869.3	554.3	4.6	1.8	2.9	102.0	665.7	8.8	67.3	0.6	76.7	66.7	57.6	0.5	124.8	1.2	0.9	
Spain, Andalusia	1329.2	537.2	4.7	0			541.9			48.1	48.1	70.7	668.5	0	739.2	0	0	
Spain, Aragon	1466.0	351.6	4.5	0		95.3	451.4	12.9	58.2	0	71.1	84.7	856.6	0	941.3	2.3	0	
Spain, Asturias	1463.0	526.0	5.0	0	0	15.8	546.8	22.8	54.5	0	77.3	45.6	790.4	3.0	839.0	0	0	
Spain, Basque country	1309.2	349.8	3.2	0			353.0	9.6	65.1	0	74.7	94.9	786.6	0	881.5	0	0	
Spain, Canary Islands	1556.3	731.2	0.9	0	0	0	732.1	0	0	97.9	97.9	30.2	692.1	0	722.3	4.0	0	
Spain, Cantabria *	1176.3	376.7	5.1	0			381.8	6.8	42.8	0	49.7	36.0	708.9	0	744.8	0	0	
Spain, Castile and León *	1373.8	496.8	6.7	0			503.5	32.3	29.8	0	62.1	42.8	737.7	0	780.5	27.7	0	
Spain, Castile-La Mancha *	1241.9	481.6	0	0			481.6	15.1	56.1	0	71.2	22.0	643.1	23.9	689.0	0	0	
Spain, Catalonia	1525.2	126.2	5.3	0		419.9	551.4	25.8	33.1	0	58.9	193.2	721.7	0	914.9	0	0	
Spain, Community of Madrid	1162.7	452.1	8.0	0			460.1	23.4	40.4	0	63.8	56.7	581.5	0.3	638.5	0.3	0	
Spain, Extremadura	1339.3	697.5	3.8	0			701.3	32.1	15.1	0	47.2	26.4	351.1	213.3	590.8	0	0	
Spain, Galicia	1505.8	637.7	9.3	0	0	0	647.0	40.5	71.3	0	111.7	110.6	607.2	29.3	747.2	0	0	
Spain, La Rioja	1208.7	392.3	0	0	0	0	392.3	28.5	50.6	0	79.1	41.1	696.1	0	737.2	0	0	
Spain, Murcia	1443.5	279.9	0	0	0	432.7	712.6	11.2	59.3	0	70.5	47.4	613.1	0	660.5	0	0	
Spain, Navarre *	1412.5	478.4	41.0	0			519.4	44.0	6.1	0	50.1	57.7	785.2	0	842.9	0	0	
Spain, Valencian region	1512.4	697.3	17.6	0			714.9	17.8	71.4	0	89.2	32.2	564.0	110.7	707.0	1.4	0	
Sweden	1008.0	302.1	11.0	0			313.2			89.0	89.0	247.3	358.4	0	605.7	0.1	0	
Switzerland	1007.1	386.1	6.7	0	10.3	0	403.1	17.3	18.1	0	35.4	218.4	347.6	2.6	568.6	0	0	
the Netherlands	1067.9	254.1	16.3	0		44.6	315.1	36.5	22.3	0	58.8	372.7	320.6	0.5	693.9	0.2	0	
United Kingdom, England #	1009.4	281.3	21.1	0.2	0.3	85.0	387.8	35.1	25.4	0.8	61.3	179.4	368.5	12.4	560.2	0.1	0	
United Kingdom, Northern Ireland #	1082.7	276.7	8.9	0	0	5.3	290.9	30.5	5.3		36.2	338.1	387.5	29.9	755.6	0	0	
United Kingdom, Scotland	1001.5	341.6	8.4	0			350.0	23.9	13.3	0	37.2	0	0	614.2	614.2	0	0	
United Kingdom, Wales #	1063.9	351.6	39.0	0	0	32.8	423.5	26.7	21.9	0	48.6	187.1	400.6	4.2	591.9	0	0	

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

|| The prevalence of patients living on a functioning graft is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.4.9
Prevalence per million population by treatment modality, adjusted
prevalent patients on December 31, adjusted for age and sex

	All																Unkn	Missing
	Haemodialysis							Peritoneal dialysis				Kidney transplant						
	HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx				
Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp		
Austria	978.0	336.1	0.1	1.3	1.0	120.4	458.8	21.3	13.4	1.0	35.7	88.6	393.8	0.8	483.2	0.3	0	
Belgium, Dutch-speaking *	1211.4	358.3	11.4	0	0	248.5	618.2	32.4	15.7	0	48.2	51.3	493.5	0.3	545.1	0	0	
Belgium, French-speaking *	1484.4	467.5	28.2	0	11.7	305.6	813.0	29.0	27.1	0	56.1	57.4	519.4	36.4	613.3	2.0	0	
Bosnia and Herzegovina	747.9	358.9	0	0	0	256.0	614.9	0.4	22.5	0.9	23.8	70.1	37.4	1.7	109.2	0	0	
Denmark	973.4	305.4	28.3	0			333.8	43.7	38.4	2.3	84.4	215.5	338.5	0.6	554.6	0.7	0	
Estonia	837.2	265.0	0	0	0	0	265.0	34.0	9.9	0.8	44.7	22.0	505.5	0	527.5	0	0	
Finland	907.4	131.5	20.5	0	0	114.0	266.0	29.4	19.9	0	49.3	57.8	514.5	19.8	592.1	0	0	
France (26 of 27 regions)	1363.7	435.7	11.1	0.8	0.8	233.4	681.8	16.4	27.1	0.2	43.6	90.2	520.9	20.1	631.1	7.1	0	
Greece	1281.3	634.1	0	0	0	336.1	970.2	35.4	18.7	0	54.1	112.2	144.7	0	257.0	0	0	
Iceland	952.0	239.6	0	0			239.6	9.1	48.6	0	57.6	368.4	286.4	0	654.8	0	0	
Montenegro *	458.3	437.0	0	0	0	11.8	448.7	0	0	0	0	9.6	0	0	9.6	0	0	
Norway	1041.1	258.5	9.8	0			268.4			77.0	77.0	258.3	434.7	1.1	694.1	1.7	0	
Romania	1191.4	979.9	0	0.1	1.6	52.6	1034.2	3.5	54.2	0	57.7	25.9	41.9	31.2	99.0	0.6	0	
Serbia	819.6	517.0	4.5	1.7	2.7	96.3	622.2	8.7	63.8	0.6	73.1	66.2	55.5	0.5	122.2	1.1	1.0	
Spain, Andalusia	1318.4	545.1	4.6	0			549.7			48.5	48.5	68.6	651.5	0	720.2	0	0	
Spain, Aragon	1309.9	304.0	4.0	0		84.3	392.3	12.0	49.2	0	61.2	83.1	771.5	0	854.5	1.9	0	
Spain, Asturias	1173.9	398.5	4.1	0	0	12.5	415.1	21.3	40.6	0	61.9	43.3	651.4	2.3	697.0	0	0	
Spain, Basque country	1162.6	298.9	3.2	0			302.1	8.8	54.9	0	63.7	91.9	704.9	0	796.8	0	0	
Spain, Canary Islands	1518.3	738.1	0.8	0	0	0	738.9	0	0	97.7	97.7	28.0	650.1	0	678.1	3.6	0	
Spain, Cantabria *	1034.6	324.8	6.3	0			331.1	7.0	37.1	0	44.1	34.6	624.8	0	659.4	0	0	
Spain, Castile and León *	1108.9	374.2	6.4	0			380.7	27.2	23.6	0	50.8	40.7	620.3	0	660.9	16.4	0	
Spain, Castile-La Mancha *	1200.1	460.5	0	0			460.5	14.4	54.6	0	69.0	22.2	625.0	23.3	670.6	0	0	
Spain, Catalonia	1497.1	122.9	5.1	0		407.5	535.5	25.5	32.7	0	58.2	189.1	714.2	0	903.3	0	0	
Spain, Community of Madrid	1181.1	463.1	8.1	0			471.2	23.0	41.5	0	64.6	56.5	588.3	0.3	645.1	0.3	0	
Spain, Extremadura	1212.2	618.1	3.3	0			621.5	29.5	14.1	0	43.6	26.1	325.1	195.9	547.1	0	0	
Spain, Galicia	1262.2	500.3	8.1	0	0	0	508.4	35.5	57.0	0	92.5	102.2	527.1	32.1	661.3	0	0	
Spain, La Rioja	1103.4	346.8	0	0	0	0	346.8	26.3	46.8	0	73.1	40.8	642.8	0	683.6	0	0	
Spain, Murcia	1546.1	307.2	0	0	0	473.5	780.7	11.5	63.8	0	75.3	47.5	642.6	0	690.1	0	0	
Spain, Navarre *	1340.5	442.8	41.0	0			483.8	42.0	6.6	0	48.5	55.2	752.9	0	808.2	0	0	
Spain, Valencian region	1432.3	657.1	16.6	0			673.7	17.3	67.8	0	85.1	31.7	535.6	104.9	672.1	1.4	0	
Sweden	1008.9	292.0	11.6	0			303.6			84.8	84.8	255.2	365.1	0	620.4	0.1	0	
Switzerland	983.5	373.9	6.6	0	10.1	0	390.5	17.0	17.5	0	34.5	213.9	342.0	2.6	558.5	0	0	
the Netherlands	1034.0	244.4	15.9	0		43.3	303.6	35.2	21.5	0	56.7	364.7	308.3	0.5	673.5	0.2	0	
United Kingdom, England #	1037.0	287.2	21.8	0.2	0.3	86.6	396.1	35.7	25.7	0.8	62.1	185.0	380.8	12.9	578.7	0.2	0	
United Kingdom, Northern Ireland #	1138.2	294.3	9.4	0	0	5.7	309.4	32.3	5.7		38.5	352.1	406.7	31.5	790.3	0	0	
United Kingdom, Scotland	987.8	333.1	8.1	0			341.2	23.6	12.9	0	36.4	0	0	610.2	610.2	0	0	
United Kingdom, Wales #	1041.1	331.8	38.2	0	0	30.9	400.9	25.3	21.3	0	46.6	190.4	398.3	4.9	593.5	0	0	

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

|| The prevalence of patients living on a functioning graft is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.4.10
Treatment modality distribution, unadjusted
prevalent patients on December 31

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Unkn	Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%		
Austria	100	34.6	0	0.1	0.1	12.4	47.2	2.2	1.4	0.1	3.6	8.9	40.1	0.1	49.1	0	0
Belgium, Dutch-speaking *	100	30.5	0.9	0	0	21.2	52.6	2.7	1.3	0	3.9	3.9	39.6	0	43.5	0	0
Belgium, French-speaking *	100	31.1	1.9	0	0.8	20.4	54.2	2.0	1.8	0	3.8	4.0	35.4	2.5	41.8	0.1	0
Bosnia and Herzegovina	100	47.5	0	0	0	33.1	80.6	0	3.0	0.1	3.1	10.5	5.5	0.3	16.3	0	0
Denmark	100	32.4	2.8	0			35.2	4.6	4.1	0.2	9.0	21.2	34.4	0.1	55.7	0.1	0
Estonia	100	31.5	0	0	0	0	31.5	4.0	1.3	0.1	5.4	2.6	60.5	0	63.1	0	0
Finland	100	15.2	2.1	0	0	13.1	30.5	3.3	2.3	0	5.6	6.1	55.8	2.0	63.9	0	0
France (26 of 27 regions)	100	32.8	0.8	0.1	0.1	17.7	51.4	1.2	2.1	0	3.3	6.2	37.0	1.5	44.7	0.5	0
Greece	100	52.1	0	0	0	25.3	77.4	2.7	1.4	0	4.1	7.8	10.6	0	18.4	0	0
Iceland	100	23.2	0	0			23.2	0.6	5.1	0	5.7	39.8	31.2	0	71.0	0	0
Montenegro *	100	95.2	0	0	0	2.6	97.8	0	0	0	0	2.2	0	0	2.2	0	0
Norway	100	24.7	0.9	0			25.7			7.4	7.4	25.1	41.6	0.1	66.8	0.2	0
Romania	100	82.1	0	0	0.1	4.5	86.7	0.3	4.4	0	4.7	2.2	3.6	2.7	8.5	0.1	0
Serbia	100	63.8	0.5	0.2	0.3	11.7	76.6	1.0	7.7	0.1	8.8	7.7	6.6	0.1	14.4	0.1	0.1
Spain, Andalusia	100	40.4	0.4	0			40.8			3.6	3.6	5.3	50.3	0	55.6	0	0
Spain, Aragon	100	24.0	0.3	0		6.5	30.8	0.9	4.0	0	4.8	5.8	58.4	0	64.2	0.2	0
Spain, Asturias	100	36.0	0.3	0	0	1.1	37.4	1.6	3.7	0	5.3	3.1	54.0	0.2	57.3	0	0
Spain, Basque country	100	26.7	0.2	0			27.0	0.7	5.0	0	5.7	7.2	60.1	0	67.3	0	0
Spain, Canary Islands	100	47.0	0.1	0	0	0	47.0	0	0	6.3	6.3	1.9	44.5	0	46.4	0.3	0
Spain, Cantabria *	100	32.0	0.4	0			32.5	0.6	3.6	0	4.2	3.1	60.3	0	63.3	0	0
Spain, Castile and León *	100	36.2	0.5	0			36.7	2.4	2.2	0	4.5	3.1	53.7	0	56.8	2.0	0
Spain, Castile-La Mancha *	100	38.8	0	0			38.8	1.2	4.5	0	5.7	1.8	51.8	1.9	55.5	0	0
Spain, Catalonia	100	8.3	0.3	0		27.5	36.2	1.7	2.2	0	3.9	12.7	47.3	0	60.0	0	0
Spain, Community of Madrid	100	38.9	0.7	0			39.6	2.0	3.5	0	5.5	4.9	50.0	0	54.9	0	0
Spain, Extremadura	100	52.1	0.3	0			52.4	2.4	1.1	0	3.5	2.0	26.2	15.9	44.1	0	0
Spain, Galicia	100	42.3	0.6	0	0	0	43.0	2.7	4.7	0	7.4	7.3	40.3	1.9	49.6	0	0
Spain, La Rioja	100	32.5	0	0	0	0	32.5	2.4	4.2	0	6.5	3.4	57.6	0	61.0	0	0
Spain, Murcia	100	19.4	0	0	0	30.0	49.4	0.8	4.1	0	4.9	3.3	42.5	0	45.8	0	0
Spain, Navarre *	100	33.9	2.9	0			36.8	3.1	0.4	0	3.5	4.1	55.6	0	59.7	0	0
Spain, Valencian region	100	46.1	1.2	0			47.3	1.2	4.7	0	5.9	2.1	37.3	7.3	46.7	0.1	0
Sweden	100	30.0	1.1	0			31.1			8.8	8.8	24.5	35.6	0	60.1	0	0
Switzerland	100	38.3	0.7	0	1.0	0	40.0	1.7	1.8	0	3.5	21.7	34.5	0.3	56.5	0	0
the Netherlands	100	23.8	1.5	0		4.2	29.5	3.4	2.1	0	5.5	34.9	30.0	0.1	65.0	0	0
United Kingdom, England #	100	27.9	2.1	0	0	8.4	38.4	3.5	2.5	0.1	6.1	17.8	36.5	1.2	55.5	0	0
United Kingdom, Northern Ireland #	100	25.6	0.8	0	0	0.5	26.9	2.8	0.5		3.3	31.2	35.8	2.8	69.8	0	0
United Kingdom, Scotland	100	34.1	0.8	0			34.9	2.4	1.3	0	3.7	0	0	61.3	61.3	0	0
United Kingdom, Wales #	100	33.1	3.7	0	0	3.1	39.8	2.5	2.1	0	4.6	17.6	37.7	0.4	55.6	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

|| The prevalence of patients living on a functioning graft is underestimated by approximately 30%

Values based on 1 to 5 patients are suppressed

Table B.4.11
Treatment modality distribution by age, sex, and primary renal disease, unadjusted
prevalent patients on December 31

	All				0-19				20-44				45-64				65-74				75+				Male				Female				DM				Non-DM			
	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Austria	47	4	49	0	6	2	92	0	30	5	65	0	36	4	60	0	50	3	46	0	76	3	21	0	47	4	49	0	47	4	50	0	64	3	33	0	43	4	53	0
Belgium, Dutch-speaking *	53	4	43	0					28	6	66	0	33	4	63	0	47	3	49	0	83	4	13	0	53	4	43	0	53	4	44	0	70	4	26	0	49	4	47	0
Belgium, French-speaking *	54	4	42	0					38	4	58	0	41	3	56	0	55	4	41	0	76	4	21	0	54	4	43	0	55	4	40	0	70	4	26	0	51	4	45	0
Bosnia and Herzegovina	81	3	16	0	54	0	46	0	58	4	39	0	79	3	18	0	91	3	6	0	96	3	1	0	80	2	18	0	82	4	14	0	88	6	7	0	79	3	18	0
Denmark	35	9	56	0	6	8	86	0	20	5	75	0	28	6	66	0	41	10	49	0	62	17	21	0	36	9	55	0	34	9	57	0	51	12	37	0	32	8	60	0
Estonia	32	5	63	0	7	14	79	0	22	6	72	0	21	4	75	0	37	6	57	0	64	6	31	0	31	5	64	0	32	5	62	0	28	11	61	0	32	4	64	0
Finland	30	6	64	0	3	3	95	0	21	4	76	0	24	4	72	0	33	6	61	0	53	10	37	0	31	6	63	0	29	6	66	0	40	7	53	0	27	5	67	0
France (26 of 27 regions)	51	3	45	1	18	6	76	0	31	2	67	0	38	2	59	1	56	3	40	1	76	5	18	1	52	3	45	1	51	3	45	1	74	3	23	0	47	3	49	1
Greece	77	4	18	0	25	16	59	0	49	5	47	0	68	4	28	0	81	5	14	0	93	3	3	0	79	3	18	0	75	5	19	0	92	4	4	0	74	4	22	0
Iceland	23	6	71	0	17	17	67	0	8	5	87	0	15	1	85	0	26	7	67	0	57	15	28	0	24	6	71	0	22	6	72	0	34	6	60	0	22	6	72	0
Montenegro *	98	0	2	0					90	0	10	0	99	0	1	0	99	0	1	0	100	0	0	0	98	0	2	0	98	0	2	0	100	0	0	0	97	0	3	0
Norway	26	7	67	0	4	7	88	1	15	5	80	0	21	5	73	0	27	7	65	0	44	13	44	0	26	8	66	0	25	7	68	0	36	8	56	0	24	7	68	0
Romania	87	5	8	0	61	14	25	0	72	4	24	0	84	4	13	0	93	4	3	0	93	7	1	0	86	4	9	0	87	5	7	0	90	7	3	0	86	5	9	0
Serbia	77	9	14	0	22	40	38	0	55	9	35	0	72	9	19	0	86	8	6	0	90	9	1	0	78	8	14	0	75	11	15	0	79	15	7	0	76	8	16	0
Spain, Andalusia	41	4	56	0	6	4	90	0	26	4	71	0	28	3	69	0	45	4	52	0	72	4	24	0	40	3	56	0	42	4	54	0	60	4	36	0	37	3	60	0
Spain, Aragon	31	5	64	0	0	0	100	0	19	7	73	1	24	5	72	0	31	3	66	0	43	6	51	0	31	5	63	0	29	4	66	0	50	7	43	0	27	4	69	0
Spain, Asturias	37	5	57	0	8	8	85	0	17	4	79	0	27	4	69	0	35	7	58	0	64	5	32	0	38	5	58	0	37	6	56	0	53	7	40	0	34	5	61	0
Spain, Basque country	27	6	67	0	12	3	85	0	21	3	77	0	19	3	78	0	25	7	68	0	47	10	43	0	28	6	65	0	24	5	71	0	51	9	40	0	23	5	72	0
Spain, Canary Islands	47	6	46	0	36	14	50	0	31	7	62	0	36	5	58	0	49	8	43	0	74	7	20	0	46	6	47	0	48	7	45	0	60	6	33	0	42	6	51	0
Spain, Cantabria *	32	4	63	0					22	3	75	0	17	2	81	0	31	4	65	0	64	8	28	0	34	4	62	0	30	5	66	0	48	5	47	0	29	4	67	0
Spain, Castile and León *	37	5	57	2					22	5	72	1	24	4	72	1	33	5	61	1	58	5	32	5	38	5	56	2	35	4	58	2	52	4	40	4	34	5	60	2
Spain, Castile-La Mancha *	39	6	55	0					20	7	72	0	27	6	66	0	42	6	52	0	62	4	34	0	40	6	54	0	36	6	58	0	56	8	36	0	35	5	60	0
Spain, Catalonia	36	4	60	0	11	1	88	0	22	4	75	0	24	3	73	0	35	4	61	0	63	5	32	0	36	4	60	0	36	4	60	0	53	4	43	0	33	4	63	0
Spain, Community of Madrid	40	5	55	0	11	2	87	0	27	6	67	0	29	6	65	0	41	5	54	0	65	5	30	0	41	5	53	0	36	6	58	0	61	4	35	0	35	6	59	0
Spain, Extremadura	52	4	44	0	14	0	86	0	25	2	72	0	41	5	54	0	57	3	40	0	78	2	20	0	53	3	44	0	51	4	45	0	71	3	26	0	49	4	48	0
Spain, Galicia	43	7	50	0	0	0	100	0	25	6	69	0	29	6	65	0	45	8	47	0	70	9	21	0	44	7	50	0	42	8	50	0	63	6	30	0	39	8	54	0
Spain, La Rioja	32	7	61	0	0	0	100	0	24	4	71	0	21	7	72	0	28	8	64	0	63	5	32	0	32	6	62	0	33	8	60	0	64	7	29	0	27	6	66	0
Spain, Murcia	49	5	46	0	26	7	67	0	38	8	54	0	36	5	59	0	47	5	48	0	81	4	15	0	50	5	45	0	49	5	47	0	74	4	22	0	45	5	50	0
Spain, Navarre *	37	4	60	0					27	5	68	0	23	2	74	0	35	4	61	0	62	4	34	0	40	2	58	0	31	6	63	0	61	4	35	0	32	4	65	0
Spain, Valencian region	47	6	47	0	8	13	77	1	24	6	70	0	35	6	59	0	47	6	47	0	76	6	19	0	48	6	46	0	46	6	48	0	66	6	28	0	44	6	50	0
Sweden	31	9	60	0	7	4	89	0	19	6	75	0	23	6	71	0	34	9	57	0	54	17	29	0	31	9	59	0	31	8	61	0	47	11	43	0	28	8	64	0
Switzerland	40	4	56	0	3	10	87	0	21	4	75	0	27	3	70	0	40	4	56	0	71	4	25	0	41	4	55	0	38	3	59	0	57	4	39	0	37	3	59	0
the Netherlands	30	6	65	0	8	6	85	0	17	4	79	0	21	4	75	0	30	6	64	0	55	9	36	0	29	5	65	0	30	6	65	0	49	8	43	0	27	5	68	0
United Kingdom, England	38	6	56	0	14	11	75	0	26	5	69	0	32	5	63	0	42	7	51	0	68	9	23	0	39	6	55	0	38	6	56	0	57	7	36	0	34	6	60	0
United Kingdom, Northern Ireland	27	3	70	0			93	0	11	2	86	0	18	1	81	0	32	4	64	0	60	9	31	0	27	4	69	0	26	2	71	0	46	4	50	0	24	3	73	0
United Kingdom, Scotland	35	4	61	0	14	10	76	0	21	3	76	0	28	3	68	0	43	4	53	0	69	5	26	0	36	4	61	0	34	4	63	0	54	4	42	0	31	4	65	0
United Kingdom, Wales	40	5	56	0		12	79	0	27	4	69	0	34	3	63	0	47	5	48	0	64	7	29	0	40	5	55	0	39	4	56	0	60	5	35	0	35	4	60	0

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; Un: unknown; DM: diabetes mellitus

Categories may not add up because of missing values or rounding off

* Patients younger than 20 years of age are not reported

|| The prevalence of patients living on a functioning graft is underestimated by approximately 30%

Table B.5.1
Kidney transplant counts and percentages by donor type

	All		Living donor						Deceased donor		Donor type Unkn			
	N	%	Related		Unrelated		Type Unkn		All		N	%	N	%
			N	%	N	%	N	%	N	%				
Austria §	280	100	22	7.9	14	5.0	0	0	36	12.9	244	87.1	0	0
Belgium, Dutch-speaking *	237	100	18	7.6	11	4.6	0	0	29	12.2	208	87.8	0	0
Belgium, French-speaking *	148	100	5	3.4	9	6.1	0	0	14	9.5	133	89.9	1	0.7
Bosnia and Herzegovina	12	100	5	41.7	4	33.3	0	0	9	75.0	3	25.0	0	0
Denmark	252	100	41	16.3	27	10.7	0	0	68	27.0	184	73.0	0	0
Estonia	48	100	4	8.3	0	0	0	0	4	8.3	44	91.7	0	0
Finland	266	100	16	6.0	0	0	16	6.0	32	12.0	169	63.5	65	24.4
France (26 of 27 regions)	3235	100	299	9.2	202	6.2	0	0	501	15.5	2733	84.5	1	0.0
Greece	176	100	55	31.3	27	15.3	0	0	82	46.6	94	53.4	0	0
Iceland	9	100	1	11.1	1	11.1	0	0	2	22.2	7	77.8	0	0
Montenegro *	2	100	2	100	0	0	0	0	2	100	0	0	0	0
Norway	232	100	48	20.7	17	7.3	1	0.4	66	28.4	166	71.6	0	0
Romania	34	100					18	52.9	18	52.9	16	47.1	0	0
Serbia □	11	100	5	45.5	0	0	4	36.4	9	81.8	2	18.2	0	0
Spain, Andalusia	480	100	22	4.6	21	4.4	0	0	43	9.0	437	91.0	0	0
Spain, Aragon	65	100	5	7.7	0	0	0	0	5	7.7	60	92.3	0	0
Spain, Asturias	76	100	1	1.3	3	3.9	0	0	4	5.3	72	94.7	0	0
Spain, Basque country	149	100	19	12.8	3	2.0	0	0	22	14.8	127	85.2	0	0
Spain, Canary Islands	137	100					9	6.6	9	6.6	128	93.4	0	0
Spain, Cantabria *	64	100	1	1.6	0	0	0	0	1	1.6	63	98.4	0	0
Spain, Castile and León *	134	100	0	0	0	0	9	6.7	9	6.7	125	93.3	0	0
Spain, Castile-La Mancha *	83	100	0	0	0	0	0	0	0	0	82	98.8	1	1.2
Spain, Catalonia	743	100	69	9.3	76	10.2	0	0	145	19.5	598	80.5	0	0
Spain, Community of Madrid	352	100	26	7.4	19	5.4	0	0	45	12.8	307	87.2	0	0
Spain, Extremadura	25	100	0	0	1	4.0	0	0	1	4.0	23	92.0	1	4.0
Spain, Galicia	140	100	0	0	0	0	25	17.9	25	17.9	115	82.1	0	0
Spain, La Rioja	9	100					0	0	0	0	9	100	0	0
Spain, Murcia	87	100	2	2.3	0	0	0	0	2	2.3	85	97.7	0	0
Spain, Navarre *	36	100					0	0	0	0	36	100	0	0
Spain, Valencian region	276	100	3	1.1	0	0	6	2.2	9	3.3	267	96.7	0	0
Sweden	439	100	67	15.3	51	11.6	0	0	118	26.9	321	73.1	0	0
Switzerland	351	100	60	17.1	60	17.1	0	0	120	34.2	231	65.8	0	0
the Netherlands ‡	873	100					438	50.2	438	50.2	435	49.8	0	0
United Kingdom, England #	2291	100	308	13.4	163	7.1	83	3.6	554	24.2	1725	75.3	12	0.5
United Kingdom, Northern Ireland #	107	100	27	25.2	23	21.5			53	49.5	54	50.5	0	0
United Kingdom, Scotland	268	100	0	0	0	0	87	32.5	87	32.5	181	67.5	0	0
United Kingdom, Wales #	97	100	12	12.4	15	15.5	0	0	27	27.8	70	72.2	0	0

Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

§ Data based on residents and non-residents

* Patients younger than 20 years of age are not reported

|| The transplant activity is underestimated by approximately 30%

□ The transplant activity is underestimated by approximately 16% for deceased donor transplants and by approximately 12% for living donor transplants due to centers not submitting complete data

‡ The transplant activity is underestimated by approximately 2%

Values based on 1 to 5 patients are suppressed

Table B.5.2
Kidney transplants per million population by donor type, unadjusted

	All	Living donor			Deceased donor	Donor type Unkn	
	Pmp	Related	Unrelated	Type Unkn	All	Pmp	
		Pmp	Pmp	Pmp	Pmp		
Austria §	31.6	2.4	1.6	0	4.0	27.6	0
Belgium, Dutch-speaking *	35.4	2.7	1.6	0	4.3	31.1	0
Belgium, French-speaking *	30.2	1.0	1.8	0	2.9	27.1	0.2
Bosnia and Herzegovina	3.4	1.4	1.1	0	2.5	0.8	0
Denmark	43.0	7.0	4.6	0	11.6	31.4	0
Estonia	36.1	3.0	0	0	3.0	33.1	0
Finland	48.0	2.9	0	2.9	5.8	30.5	11.7
France (26 of 27 regions)	48.0	4.4	3.0	0	7.4	40.6	0
Greece	16.7	5.2	2.6	0	7.8	8.9	0
Iceland	24.2	2.7	2.7	0	5.4	18.8	0
Montenegro *	3.2	3.2	0	0	3.2	0	0
Norway	42.9	8.9	3.1	0.2	12.2	30.7	0
Romania	1.8			0.9	0.9	0.8	0
Serbia □	1.7	0.8	0	0.6	1.4	0.3	0
Spain, Andalusia	56.4	2.6	2.5	0	5.1	51.3	0
Spain, Aragon	49.1	3.8	0	0	3.8	45.4	0
Spain, Asturias	75.3	1.0	3.0	0	4.0	71.3	0
Spain, Basque country	68.3	8.7	1.4	0	10.1	58.2	0
Spain, Canary Islands	60.9			4.0	4.0	56.9	0
Spain, Cantabria *	109.6	1.7	0	0	1.7	107.9	0
Spain, Castile and León *	56.2	0	0	3.8	3.8	52.5	0
Spain, Castile-La Mancha *	40.5	0	0	0	0	40.0	0.5
Spain, Catalonia	95.7	8.9	9.8	0	18.7	77.0	0
Spain, Community of Madrid	52.1	3.9	2.8	0	6.7	45.5	0
Spain, Extremadura	23.6	0	0.9	0	0.9	21.7	0.9
Spain, Galicia	52.0	0	0	9.3	9.3	42.7	0
Spain, La Rioja	28.5			0	0	28.5	0
Spain, Murcia	57.3	1.3	0	0	1.3	56.0	0
Spain, Navarre *	54.7			0	0	54.7	0
Spain, Valencian region	54.6	0.6	0	1.2	1.8	52.8	0
Sweden	42.1	6.4	4.9	0	11.3	30.8	0
Switzerland	41.5	7.1	7.1	0	14.2	27.3	0
the Netherlands	50.8			25.5	25.5	25.3	0
United Kingdom, England #	41.4	5.6	2.9	1.5	10.0	31.2	0.2
United Kingdom, Northern Ireland #	56.2	14.2	12.1		27.8	28.4	0
United Kingdom, Scotland	48.9	0	0	15.9	15.9	33.0	0
United Kingdom, Wales #	31.2	3.9	4.8	0	8.7	22.5	0

Categories may not add up because of rounding off; When cells are left empty, (complete) data are unavailable

§ The number of transplants differs from table B.5.1 as non-residents are excluded for this analysis

* Patients younger than 20 years of age are not reported

|| The transplant activity is underestimated by approximately 30%

□ The transplant activity is underestimated by approximately 16% for deceased donor transplants and by approximately 12% for living donor transplants due to centers not submitting complete data

Values based on 1 to 5 patients are suppressed

Table B.5.3
Sex, mean age, and median age of kidney transplant recipients
at time of transplantation

	All						Male						Female					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Austria	100	53.2	14.5	55.8	44.1	64.0	63.6	54.6	14.7	57.6	46.2	65.1	36.4	50.7	13.8	53.0	42.9	59.2
Belgium, Dutch-speaking *	100	54.9	12.1	56.7	45.5	65.1	62.9	55.6	12.1	58.7	45.7	65.3	37.1	53.7	12.0	54.1	44.1	64.0
Belgium, French-speaking *	100	55.7	12.3	59.5	47.7	64.9	61.5	57.0	12.0	60.7	50.0	64.9	38.5	53.7	12.6	53.7	44.2	65.3
Bosnia and Herzegovina	100	44.6	11.7	48.3	40.8	51.8	50.0	49.4	7.0	50.4	46.4	54.4	50.0	39.7	14.0	46.1	25.7	50.6
Denmark	100	51.0	15.1	53.0	40.6	62.9	63.1	50.3	14.7	51.7	40.9	61.5	36.9	52.2	15.7	57.2	40.1	63.8
Estonia	100	51.6	12.1	53.1	41.6	60.2	52.1	50.8	13.7	52.8	41.4	60.0	47.9	52.4	10.2	55.2	41.7	61.5
Finland	100	53.3	16.0	56.8	45.2	65.7	68.0	52.7	16.7	54.1	44.9	65.1	32.0	54.6	14.6	58.5	46.1	65.9
France (26 of 27 regions)	100	53.6	16.6	55.5	42.8	66.8	63.4	54.2	16.6	55.9	43.6	67.4	36.6	52.6	16.7	54.8	41.1	65.8
Greece	100	45.7	14.9	47.9	37.1	56.4	63.1	45.5	15.5	47.2	37.2	56.4	36.9	46.1	14.0	49.4	36.5	55.2
Iceland	100	47.7	15.5	46.2	40.5	55.6	66.7	47.9	19.0	45.2	37.6	63.1	33.3	47.5	7.6	46.2	40.5	55.6
Montenegro *	100	36.6	4.6	36.6	33.4	39.9	50.0	39.9	0	39.9	39.9	39.9	50.0	33.4	0	33.4	33.4	33.4
Norway	100	52.5	17.7	55.1	40.0	66.6	61.6	52.4	17.8	55.7	40.7	66.9	38.4	52.5	17.6	53.6	38.9	65.5
Romania	100	36.5	14.1	39.7	25.9	46.0	52.9	37.5	14.1	39.5	29.3	51.1	47.1	35.3	14.5	40.4	25.8	45.2
Serbia	100	31.6	15.4	32.0	27.6	40.5	54.5	28.3	11.6	31.4	27.6	32.8	45.5	35.5	19.8	36.3	28.0	46.8
Spain, Andalusia	100	54.5	15.1	56.5	45.2	66.6	65.2	55.2	14.7	56.9	45.7	66.9	34.8	53.0	15.8	55.0	43.8	65.4
Spain, Aragon	100	58.3	14.5	59.6	51.1	68.7	75.4	59.1	14.2	60.7	52.4	68.7	24.6	55.9	15.4	57.0	49.6	68.6
Spain, Asturias	100	58.8	13.6	60.8	52.4	68.8	67.1	58.2	14.6	59.9	52.3	68.7	32.9	60.0	11.4	62.7	52.5	69.7
Spain, Basque country	100	53.0	15.3	55.0	43.9	63.4	69.8	52.7	15.7	55.3	43.7	62.8	30.2	53.8	14.3	53.1	44.9	66.4
Spain, Canary Islands	100	55.7	13.4	56.8	49.4	65.0	73.0	54.6	13.8	55.9	48.4	64.9	27.0	58.7	11.7	60.7	53.8	65.7
Spain, Cantabria *	100	57.6	11.6	59.8	48.2	65.3	75.0	57.9	12.2	60.3	48.4	66.8	25.0	56.5	10.2	58.6	47.5	63.7
Spain, Castile and León *	100	59.2	12.4	60.4	51.3	68.9	67.9	59.8	12.3	61.6	51.3	69.9	32.1	58.0	12.8	59.1	51.2	66.0
Spain, Castile-La Mancha *	100	58.1	13.4	58.9	50.5	69.1	61.4	60.1	11.4	59.7	52.2	69.1	38.6	55.0	15.7	56.8	42.5	69.1
Spain, Catalonia	100	58.0	14.8	59.9	48.9	69.2	63.7	58.7	14.4	60.3	49.7	69.6	36.3	56.8	15.6	58.7	47.8	68.4
Spain, Community of Madrid	100	53.3	16.7	55.1	43.5	66.4	67.6	53.9	17.2	55.6	44.1	66.9	32.4	52.2	15.5	52.9	40.8	64.5
Spain, Extremadura	100	49.2	13.8	49.7	43.8	56.6	68.0	48.7	15.1	49.7	43.1	56.5	32.0	50.3	11.1	50.1	46.0	57.6
Spain, Galicia	100	56.6	13.1	58.6	48.2	67.1	62.1	57.4	12.5	58.5	48.5	67.7	37.9	55.3	14.1	59.3	44.8	66.1
Spain, La Rioja	100	58.0	10.8	57.2	51.0	64.5	55.6	58.4	8.3	60.1	51.0	64.5	44.4	57.5	14.8	54.4	47.4	67.5
Spain, Murcia	100	52.8	14.9	56.5	42.1	62.7	72.4	52.0	15.9	55.5	42.8	62.7	27.6	54.8	12.0	56.9	40.9	63.1
Spain, Navarre *	100	54.4	13.5	52.4	43.5	66.9	72.2	56.6	12.1	56.1	45.7	67.9	27.8	48.6	15.8	46.9	32.1	65.4
Spain, Valencian region	100	55.7	15.1	58.5	47.9	66.2	64.5	56.7	15.2	60.6	46.1	67.6	35.5	53.9	14.9	56.7	48.4	62.9
Sweden	100	51.1	16.8	54.2	40.1	64.6	66.5	51.0	17.0	54.6	39.4	64.9	33.5	51.3	16.5	53.9	43.3	63.2
Switzerland	100	53.1	14.6	55.6	44.3	64.5	72.1	53.1	14.8	55.4	44.6	64.8	27.9	52.9	14.3	56.0	43.3	63.7
the Netherlands	100	54.9	15.5	57.6	45.9	67.0	62.5	55.5	15.6	58.1	46.7	67.5	37.5	53.9	15.2	56.4	44.6	65.3
United Kingdom, England	100	49.2	16.7	52.2	37.9	62.0	62.2	49.9	16.6	52.8	38.3	62.8	37.8	48.2	16.7	51.1	35.8	61.1
United Kingdom, Northern Ireland	100	52.4	16.4	56.7	41.2	64.6	64.5	52.1	16.6	57.6	41.2	64.3	35.5	53.0	16.1	56.2	44.4	65.0
United Kingdom, Scotland	100	52.4	15.0	55.5	43.0	63.3	58.6	53.1	15.6	57.0	43.0	65.0	41.4	51.4	13.9	54.0	41.0	62.5
United Kingdom, Wales	100	51.1	14.2	51.6	40.7	61.5	63.9	51.6	14.6	52.8	41.9	62.9	36.1	50.4	13.5	50.9	40.4	60.9

Categories may not add up because of missing values or rounding off

* Patients younger than 20 years of age are not reported

Table B.6.1
Incident KRT patients, from day 1, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)						
	cohort 2012 - 2016				cohort 2015 - 2019		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.4 (99.0-99.6)	98.3 (97.7-98.8)	97.2 (96.4-97.7)	94.9 (94.0-95.7)	99.4 (99.0-99.6)	97.9 (97.2-98.4)	97.1 (96.4-97.7)
20-44	99.2 (99.1-99.3)	97.3 (97.1-97.5)	95.1 (94.7-95.4)	89.5 (89.0-89.9)	99.2 (99.1-99.3)	97.1 (96.8-97.3)	94.7 (94.4-95.0)
45-64	97.4 (97.2-97.5)	91.5 (91.2-91.7)	85.4 (85.0-85.7)	69.2 (68.8-69.6)	97.6 (97.5-97.7)	92.2 (92.0-92.4)	85.8 (85.5-86.1)
65-74	94.8 (94.6-95.0)	84.4 (84.1-84.8)	73.6 (73.2-74.0)	46.3 (45.9-46.8)	95.3 (95.1-95.5)	85.2 (84.8-85.5)	74.4 (74.0-74.7)
75+	91.1 (90.8-91.3)	75.1 (74.7-75.4)	59.1 (58.7-59.5)	25.2 (24.8-25.6)	91.6 (91.4-91.8)	76.1 (75.8-76.4)	60.4 (60.0-60.8)
Male	94.9 (94.8-95.1)	85.0 (84.7-85.2)	74.7 (74.4-74.9)	50.6 (50.3-50.9)	95.3 (95.1-95.4)	85.5 (85.3-85.7)	75.1 (74.9-75.4)
Female	94.9 (94.7-95.0)	85.3 (85.0-85.6)	75.8 (75.5-76.1)	53.6 (53.2-54.0)	95.3 (95.1-95.4)	86.1 (85.9-86.4)	76.7 (76.3-77.0)
Diabetes	95.8 (95.6-96.0)	86.1 (85.8-86.5)	74.5 (74.1-74.9)	45.0 (44.5-45.5)	96.2 (96.0-96.3)	86.6 (86.2-86.9)	74.8 (74.4-75.2)
Hypertension / renal vascular disease	94.6 (94.4-94.9)	83.7 (83.3-84.1)	71.8 (71.3-72.3)	43.3 (42.7-43.8)	95.1 (94.9-95.4)	84.7 (84.3-85.1)	72.9 (72.4-73.3)
Glomerulonephritis	97.5 (97.3-97.7)	92.6 (92.2-92.9)	87.3 (86.8-87.7)	72.8 (72.2-73.4)	98.0 (97.8-98.1)	93.5 (93.1-93.8)	88.3 (87.8-88.7)
Other causes	94.2 (94.1-94.4)	83.7 (83.5-84.0)	74.3 (74.0-74.6)	53.8 (53.4-54.1)	94.6 (94.4-94.7)	84.4 (84.1-84.6)	74.7 (74.4-75.0)
All	94.9 (94.8-95.0)	85.1 (84.9-85.3)	75.1 (74.9-75.3)	51.7 (51.4-51.9)	95.3 (95.2-95.4)	85.7 (85.6-85.9)	75.7 (75.5-75.9)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.2
Incident KRT patients, from day 1, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)						
	cohort 2012 - 2016				cohort 2015 - 2019		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.4 (99.1-99.7)	98.3 (97.8-98.8)	97.2 (96.5-97.9)	94.8 (93.9-95.7)	99.4 (99.1-99.7)	97.8 (97.2-98.4)	97.1 (96.4-97.8)
20-44	99.3 (99.1-99.4)	97.3 (97.0-97.5)	95.0 (94.7-95.3)	89.1 (88.6-89.6)	99.2 (99.1-99.4)	97.0 (96.8-97.3)	94.6 (94.3-95.0)
45-64	97.5 (97.4-97.6)	91.8 (91.5-92.0)	85.8 (85.5-86.1)	69.6 (69.2-70.0)	97.8 (97.7-97.9)	92.5 (92.3-92.8)	86.3 (86.0-86.6)
65-74	95.2 (95.0-95.4)	85.3 (84.9-85.6)	74.8 (74.4-75.2)	47.7 (47.2-48.2)	95.7 (95.5-95.9)	86.0 (85.7-86.3)	75.5 (75.1-75.8)
75+	91.4 (91.2-91.7)	75.8 (75.4-76.1)	60.0 (59.6-60.4)	26.0 (25.6-26.3)	92.0 (91.8-92.3)	76.9 (76.6-77.3)	61.4 (61.0-61.8)
Male	96.1 (96.0-96.2)	87.7 (87.5-87.9)	78.4 (78.2-78.7)	52.7 (52.4-53.1)	96.3 (96.2-96.4)	88.1 (87.9-88.3)	78.7 (78.4-78.9)
Female	96.0 (95.9-96.2)	88.1 (87.9-88.4)	79.6 (79.3-79.9)	56.3 (55.9-56.7)	96.3 (96.2-96.4)	88.6 (88.4-88.8)	80.0 (79.7-80.3)
Diabetes	96.4 (96.3-96.6)	87.8 (87.5-88.1)	77.0 (76.6-77.4)	46.4 (45.9-46.9)	96.7 (96.5-96.9)	88.2 (87.9-88.5)	77.3 (77.0-77.7)
Hypertension / renal vascular disease	96.7 (96.6-96.9)	89.7 (89.4-89.9)	81.2 (80.8-81.6)	56.1 (55.5-56.6)	96.9 (96.7-97.1)	89.9 (89.6-90.2)	81.2 (80.8-81.6)
Glomerulonephritis	97.1 (96.9-97.4)	91.3 (90.9-91.7)	84.8 (84.2-85.3)	65.6 (64.8-66.3)	97.7 (97.5-97.9)	92.4 (92.0-92.8)	86.1 (85.6-86.6)
Other causes	95.2 (95.0-95.3)	85.8 (85.6-86.0)	76.7 (76.4-77.0)	54.0 (53.6-54.3)	95.4 (95.3-95.5)	86.3 (86.1-86.5)	77.1 (76.8-77.4)
All	96.1 (96.0-96.1)	87.9 (87.7-88.0)	78.9 (78.7-79.1)	54.1 (53.8-54.3)	96.3 (96.2-96.4)	88.3 (88.2-88.5)	79.2 (79.0-79.4)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.3
Incident KRT patients, from day 91, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	98.6 (98.1-99.0)	97.6 (96.9-98.2)	95.5 (94.5-96.2)	98.3 (97.7-98.7)	97.6 (96.9-98.1)
20-44	97.4 (97.2-97.6)	95.3 (94.9-95.6)	89.7 (89.3-90.2)	97.2 (97.0-97.5)	94.9 (94.5-95.2)
45-64	92.5 (92.2-92.7)	86.2 (85.9-86.5)	69.9 (69.5-70.3)	92.9 (92.6-93.1)	86.5 (86.2-86.8)
65-74	86.2 (85.8-86.5)	75.0 (74.6-75.4)	47.0 (46.5-47.5)	86.7 (86.4-87.0)	75.5 (75.1-75.9)
75+	78.1 (77.8-78.5)	61.2 (60.7-61.6)	25.8 (25.4-26.1)	79.0 (78.7-79.4)	62.1 (61.7-62.5)
Male	86.9 (86.7-87.1)	76.3 (76.0-76.5)	51.8 (51.5-52.1)	87.2 (87.0-87.4)	76.4 (76.1-76.6)
Female	87.5 (87.2-87.7)	77.8 (77.4-78.1)	55.1 (54.7-55.5)	88.1 (87.8-88.3)	78.3 (78.0-78.7)
Diabetes	86.8 (86.4-87.1)	74.9 (74.4-75.3)	44.9 (44.4-45.4)	87.2 (86.8-87.5)	74.8 (74.4-75.2)
Hypertension / renal vascular disease	85.4 (85.0-85.8)	73.2 (72.7-73.7)	44.1 (43.5-44.6)	86.1 (85.7-86.5)	73.9 (73.4-74.4)
Glomerulonephritis	93.8 (93.4-94.1)	88.2 (87.7-88.6)	73.6 (72.9-74.2)	94.1 (93.8-94.4)	88.8 (88.4-89.2)
Other causes	86.4 (86.2-86.7)	76.7 (76.4-77.0)	55.9 (55.5-56.2)	86.8 (86.5-87.0)	76.9 (76.6-77.2)
All	87.1 (86.9-87.2)	76.8 (76.6-77.0)	53.0 (52.7-53.2)	87.5 (87.3-87.7)	77.1 (76.9-77.3)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.4
Incident KRT patients, from day 91, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	98.6 (98.1-99.1)	97.6 (96.9-98.2)	95.2 (94.3-96.1)	98.3 (97.7-98.8)	97.5 (96.8-98.1)
20-44	97.3 (97.1-97.6)	95.1 (94.8-95.4)	89.3 (88.8-89.7)	97.1 (96.9-97.4)	94.7 (94.4-95.1)
45-64	92.7 (92.5-92.9)	86.6 (86.3-86.9)	70.2 (69.8-70.6)	93.1 (92.8-93.3)	86.8 (86.5-87.1)
65-74	86.8 (86.5-87.2)	76.1 (75.7-76.5)	48.4 (47.9-48.9)	87.3 (87.0-87.6)	76.5 (76.1-76.9)
75+	78.7 (78.4-79.1)	62.0 (61.6-62.5)	26.5 (26.1-26.9)	79.7 (79.3-80.0)	63.0 (62.6-63.4)
Male	89.1 (88.9-89.3)	79.4 (79.2-79.7)	53.2 (52.9-53.5)	89.2 (89.1-89.4)	79.4 (79.2-79.6)
Female	89.7 (89.4-89.9)	80.9 (80.6-81.3)	57.1 (56.6-57.5)	89.9 (89.7-90.2)	81.0 (80.7-81.3)
Diabetes	88.3 (88.0-88.6)	77.1 (76.7-77.5)	45.9 (45.4-46.4)	88.7 (88.4-88.9)	77.1 (76.7-77.5)
Hypertension / renal vascular disease	90.7 (90.4-91.0)	82.0 (81.6-82.4)	56.3 (55.8-56.9)	90.7 (90.4-91.0)	81.7 (81.3-82.1)
Glomerulonephritis	92.6 (92.2-93.0)	85.6 (85.0-86.1)	66.0 (65.2-66.8)	93.0 (92.7-93.4)	86.5 (86.0-87.0)
Other causes	88.0 (87.7-88.2)	78.5 (78.2-78.8)	55.2 (54.8-55.6)	88.2 (88.0-88.4)	78.7 (78.4-79.0)
All	89.3 (89.2-89.5)	80.0 (79.8-80.2)	54.7 (54.4-54.9)	89.5 (89.4-89.7)	80.0 (79.8-80.2)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.5
Incident dialysis patients, from day 1, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)						
	cohort 2012 - 2016				cohort 2015 - 2019		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.3 (98.8-99.6)	97.8 (96.9-98.4)	95.0 (93.5-96.2)	86.0 (81.8-89.2)	99.4 (98.9-99.7)	97.0 (96.0-97.7)	95.5 (94.2-96.5)
20-44	99.1 (99.0-99.3)	96.8 (96.5-97.1)	93.3 (92.8-93.7)	80.0 (79.1-81.0)	99.1 (99.0-99.3)	96.4 (96.1-96.7)	92.6 (92.2-93.1)
45-64	97.2 (97.0-97.3)	90.6 (90.3-90.8)	83.1 (82.7-83.4)	58.9 (58.3-59.4)	97.4 (97.3-97.6)	91.4 (91.1-91.6)	83.6 (83.2-83.9)
65-74	94.7 (94.5-94.9)	83.9 (83.5-84.2)	72.3 (71.8-72.7)	41.0 (40.5-41.5)	95.2 (95.0-95.3)	84.6 (84.2-84.9)	72.9 (72.5-73.4)
75+	91.0 (90.8-91.3)	75.0 (74.6-75.3)	58.9 (58.5-59.3)	24.6 (24.2-25.0)	91.6 (91.3-91.8)	75.9 (75.6-76.3)	60.0 (59.6-60.4)
Male	94.7 (94.5-94.8)	83.9 (83.7-84.1)	72.0 (71.7-72.3)	40.2 (39.8-40.5)	95.0 (94.9-95.1)	84.5 (84.3-84.7)	72.4 (72.2-72.7)
Female	94.6 (94.4-94.8)	84.2 (83.9-84.5)	73.1 (72.7-73.5)	43.7 (43.2-44.1)	95.0 (94.8-95.1)	85.0 (84.7-85.3)	74.0 (73.6-74.4)
Diabetes	95.8 (95.6-96.0)	85.8 (85.4-86.1)	73.3 (72.8-73.7)	39.0 (38.4-39.5)	96.1 (95.9-96.3)	86.2 (85.8-86.5)	73.6 (73.2-74.0)
Hypertension / renal vascular disease	94.5 (94.2-94.8)	83.3 (82.8-83.7)	70.5 (70.0-71.0)	37.5 (36.9-38.1)	95.0 (94.8-95.3)	84.3 (83.8-84.7)	71.6 (71.1-72.1)
Glomerulonephritis	97.3 (97.0-97.5)	91.6 (91.2-92.0)	84.5 (84.0-85.1)	59.4 (58.4-60.3)	97.8 (97.5-98.0)	92.5 (92.1-92.9)	85.6 (85.1-86.1)
Other causes	93.8 (93.6-94.0)	82.1 (81.8-82.4)	70.7 (70.3-71.0)	41.9 (41.4-42.3)	94.1 (94.0-94.3)	82.7 (82.5-83.0)	71.1 (70.8-71.5)
All	94.6 (94.5-94.7)	84.0 (83.8-84.2)	72.4 (72.2-72.6)	41.4 (41.1-41.7)	95.0 (94.9-95.1)	84.7 (84.5-84.8)	73.0 (72.8-73.2)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.6
Incident dialysis patients, from day 1, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)						
	cohort 2012 - 2016				cohort 2015 - 2019		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.4 (99.0-99.8)	97.8 (97.0-98.6)	95.1 (93.8-96.5)	85.7 (81.9-89.6)	99.4 (99.0-99.8)	97.0 (96.1-97.9)	95.4 (94.2-96.6)
20-44	99.2 (99.0-99.3)	96.8 (96.5-97.1)	93.3 (92.9-93.8)	79.8 (78.9-80.8)	99.2 (99.0-99.3)	96.4 (96.1-96.8)	92.7 (92.2-93.1)
45-64	97.3 (97.2-97.5)	90.9 (90.7-91.2)	83.6 (83.2-83.9)	59.6 (59.1-60.2)	97.6 (97.5-97.8)	91.7 (91.5-92.0)	84.1 (83.7-84.4)
65-74	95.0 (94.8-95.2)	84.6 (84.2-84.9)	73.2 (72.8-73.7)	42.2 (41.6-42.7)	95.5 (95.3-95.7)	85.3 (85.0-85.6)	73.9 (73.5-74.4)
75+	91.3 (91.1-91.6)	75.5 (75.2-75.9)	59.5 (59.1-60.0)	25.1 (24.7-25.5)	92.0 (91.7-92.2)	76.7 (76.3-77.0)	60.9 (60.5-61.3)
Male	95.5 (95.4-95.7)	86.1 (85.9-86.3)	75.4 (75.1-75.7)	45.1 (44.8-45.5)	95.9 (95.8-96.0)	86.8 (86.6-87.0)	76.2 (75.9-76.4)
Female	95.5 (95.3-95.6)	86.5 (86.2-86.7)	76.6 (76.3-77.0)	49.1 (48.7-49.6)	95.9 (95.8-96.1)	87.3 (87.1-87.6)	77.6 (77.3-78.0)
Diabetes	96.1 (96.0-96.3)	86.9 (86.6-87.2)	75.1 (74.7-75.5)	41.4 (40.9-41.9)	96.5 (96.3-96.7)	87.5 (87.2-87.8)	75.8 (75.4-76.2)
Hypertension / renal vascular disease	96.1 (96.0-96.3)	87.9 (87.6-88.2)	78.1 (77.6-78.5)	49.0 (48.4-49.6)	96.5 (96.3-96.7)	88.6 (88.3-88.9)	78.9 (78.4-79.3)
Glomerulonephritis	96.9 (96.6-97.2)	90.5 (90.0-90.9)	82.9 (82.3-83.5)	57.1 (56.2-58.1)	97.5 (97.3-97.7)	91.6 (91.2-92.1)	84.3 (83.7-84.8)
Other causes	94.5 (94.3-94.6)	83.9 (83.6-84.1)	73.3 (73.0-73.7)	45.9 (45.5-46.3)	94.9 (94.7-95.0)	84.8 (84.5-85.0)	74.2 (73.9-74.6)
All	95.5 (95.4-95.6)	86.2 (86.1-86.4)	75.9 (75.7-76.1)	46.6 (46.3-46.9)	95.9 (95.8-96.0)	87.0 (86.9-87.2)	76.7 (76.5-77.0)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.7
Incident dialysis patients, from day 91, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	97.8 (96.8-98.5)	95.7 (94.2-96.9)	86.6 (82.4-89.8)	97.3 (96.2-98.0)	95.8 (94.4-96.9)
20-44	96.7 (96.3-97.0)	93.1 (92.6-93.5)	79.2 (78.1-80.2)	96.4 (96.0-96.7)	92.3 (91.8-92.8)
45-64	91.5 (91.2-91.8)	83.6 (83.2-84.0)	58.5 (58.0-59.1)	91.9 (91.6-92.1)	83.9 (83.5-84.2)
65-74	85.5 (85.2-85.9)	73.4 (73.0-73.9)	41.1 (40.6-41.7)	86.0 (85.7-86.3)	73.8 (73.4-74.3)
75+	78.0 (77.7-78.4)	60.9 (60.5-61.3)	25.1 (24.7-25.5)	78.9 (78.5-79.2)	61.7 (61.3-62.1)
Male	85.7 (85.4-85.9)	73.1 (72.8-73.4)	40.3 (39.9-40.6)	86.0 (85.8-86.2)	73.3 (73.0-73.5)
Female	86.2 (85.9-86.5)	74.6 (74.3-75.0)	44.1 (43.6-44.6)	86.8 (86.5-87.1)	75.3 (74.9-75.6)
Diabetes	86.3 (85.9-86.6)	73.3 (72.9-73.8)	38.3 (37.7-38.8)	86.7 (86.3-87.0)	73.3 (72.9-73.8)
Hypertension / renal vascular disease	84.8 (84.4-85.3)	71.6 (71.1-72.2)	37.6 (37.0-38.2)	85.5 (85.1-85.9)	72.3 (71.8-72.9)
Glomerulonephritis	92.7 (92.3-93.1)	84.9 (84.3-85.5)	59.0 (58.0-59.9)	93.0 (92.6-93.4)	85.6 (85.0-86.2)
Other causes	84.7 (84.4-85.0)	72.6 (72.2-72.9)	42.7 (42.3-43.2)	85.0 (84.8-85.3)	72.8 (72.5-73.2)
All	85.8 (85.7-86.0)	73.6 (73.4-73.9)	41.6 (41.4-41.9)	86.3 (86.1-86.4)	74.0 (73.7-74.2)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.8
Incident dialysis patients, from day 91, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	97.8 (97.0-98.6)	95.7 (94.4-97.0)	86.0 (82.2-90.0)	97.2 (96.2-98.1)	95.6 (94.4-96.9)
20-44	96.6 (96.3-96.9)	93.0 (92.5-93.5)	78.9 (77.9-80.0)	96.3 (96.0-96.7)	92.3 (91.8-92.8)
45-64	91.7 (91.5-92.0)	84.0 (83.7-84.4)	59.3 (58.8-59.9)	92.1 (91.9-92.4)	84.3 (84.0-84.7)
65-74	86.1 (85.7-86.4)	74.3 (73.9-74.8)	42.4 (41.8-42.9)	86.6 (86.3-86.9)	74.7 (74.3-75.2)
75+	78.4 (78.1-78.8)	61.5 (61.0-61.9)	25.6 (25.2-26.0)	79.4 (79.0-79.7)	62.4 (62.0-62.9)
Male	87.4 (87.2-87.6)	76.2 (75.9-76.5)	45.0 (44.6-45.4)	87.9 (87.7-88.1)	76.6 (76.4-76.9)
Female	88.0 (87.8-88.3)	77.8 (77.5-78.2)	49.3 (48.8-49.8)	88.6 (88.4-88.9)	78.4 (78.1-78.8)
Diabetes	87.2 (86.9-87.6)	75.0 (74.6-75.5)	40.5 (39.9-41.0)	87.8 (87.5-88.1)	75.4 (75.0-75.8)
Hypertension / renal vascular disease	89.0 (88.6-89.3)	78.7 (78.3-79.2)	48.7 (48.1-49.4)	89.4 (89.1-89.7)	79.1 (78.7-79.6)
Glomerulonephritis	91.7 (91.3-92.2)	83.4 (82.7-84.0)	56.9 (55.9-57.9)	92.2 (91.8-92.6)	84.4 (83.8-85.0)
Other causes	86.1 (85.8-86.3)	75.0 (74.6-75.3)	46.5 (46.0-46.9)	86.6 (86.4-86.9)	75.6 (75.3-75.9)
All	87.7 (87.5-87.8)	76.8 (76.6-77.0)	46.6 (46.3-46.9)	88.2 (88.0-88.4)	77.3 (77.1-77.6)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.9
First transplant patients (deceased donor), from day of transplant, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	98.8 (97.9-99.3)	98.0 (97.0-98.7)	97.1 (95.8-97.9)	98.9 (98.1-99.3)	98.5 (97.6-99.1)
20-44	98.7 (98.4-98.9)	98.1 (97.8-98.4)	96.1 (95.6-96.5)	98.9 (98.6-99.1)	98.2 (97.9-98.4)
45-64	96.8 (96.5-97.0)	95.0 (94.7-95.3)	88.0 (87.5-88.4)	97.0 (96.8-97.2)	95.1 (94.8-95.4)
65+	92.6 (92.1-93.1)	88.0 (87.4-88.7)	70.7 (69.8-71.6)	92.9 (92.4-93.4)	87.9 (87.3-88.5)
Male	96.2 (96.0-96.4)	93.8 (93.5-94.1)	84.8 (84.4-85.3)	96.3 (96.0-96.5)	93.5 (93.2-93.8)
Female	96.3 (96.0-96.6)	94.6 (94.3-95.0)	87.4 (86.9-88.0)	96.5 (96.2-96.8)	94.7 (94.3-95.0)
Diabetes	94.1 (93.5-94.6)	90.8 (90.1-91.5)	77.3 (76.2-78.3)	94.0 (93.5-94.5)	90.1 (89.4-90.8)
Hypertension / renal vascular disease	95.2 (94.6-95.8)	91.9 (91.1-92.6)	81.6 (80.5-82.7)	95.6 (95.0-96.2)	92.0 (91.2-92.7)
Glomerulonephritis	97.5 (97.1-97.8)	96.0 (95.5-96.4)	90.1 (89.4-90.7)	97.5 (97.2-97.8)	95.8 (95.4-96.2)
Other causes	96.7 (96.5-97.0)	95.0 (94.7-95.3)	87.9 (87.5-88.4)	96.9 (96.7-97.1)	95.0 (94.7-95.3)
All	96.2 (96.0-96.4)	94.1 (93.9-94.3)	85.8 (85.4-86.1)	96.4 (96.2-96.5)	93.9 (93.7-94.1)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)*

Table B.6.10
First transplant patients (deceased donor), from day of transplant, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	98.6 (97.9-99.4)	97.9 (97.0-98.8)	96.8 (95.7-98.0)	98.7 (98.1-99.4)	98.4 (97.6-99.1)
20-44	98.7 (98.5-98.9)	98.2 (97.9-98.5)	96.2 (95.8-96.6)	98.9 (98.7-99.1)	98.3 (98.0-98.5)
45-64	97.0 (96.8-97.2)	95.4 (95.1-95.7)	88.7 (88.3-89.1)	97.2 (97.0-97.4)	95.5 (95.2-95.8)
65+	93.4 (92.9-93.8)	89.2 (88.6-89.8)	72.9 (72.0-73.8)	93.6 (93.2-94.1)	89.1 (88.5-89.6)
Male	98.1 (98.0-98.2)	96.8 (96.7-97.0)	91.8 (91.4-92.1)	98.1 (98.0-98.3)	96.7 (96.5-96.9)
Female	97.9 (97.8-98.1)	97.0 (96.8-97.2)	92.6 (92.2-93.0)	98.1 (97.9-98.3)	97.0 (96.8-97.2)
Diabetes	96.9 (96.5-97.2)	95.0 (94.6-95.4)	86.9 (86.2-87.6)	96.9 (96.6-97.2)	94.8 (94.4-95.2)
Hypertension / renal vascular disease	98.0 (97.7-98.3)	96.5 (96.2-96.9)	91.7 (91.1-92.3)	98.2 (97.9-98.4)	96.6 (96.2-96.9)
Glomerulonephritis	98.4 (98.2-98.6)	97.4 (97.2-97.7)	93.5 (93.0-94.0)	98.5 (98.2-98.7)	97.4 (97.1-97.6)
Other causes	98.1 (97.9-98.2)	97.0 (96.8-97.2)	92.5 (92.1-92.8)	98.2 (98.0-98.3)	97.0 (96.8-97.2)
All	98.0 (97.9-98.2)	96.9 (96.8-97.1)	92.1 (91.8-92.4)	98.1 (98.0-98.2)	96.8 (96.7-97.0)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)*

Table B.6.11
First transplant patients (living donor), from day of transplant, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	99.4 (98.6-99.7)	99.0 (98.2-99.5)	98.4 (97.3-99.0)	99.1 (98.3-99.6)	98.7 (97.7-99.2)
20-44	99.6 (99.3-99.7)	99.3 (99.0-99.5)	98.0 (97.6-98.4)	99.7 (99.5-99.8)	99.3 (99.1-99.5)
45-64	98.7 (98.4-99.0)	97.8 (97.3-98.1)	93.6 (93.0-94.3)	98.7 (98.3-98.9)	97.7 (97.2-98.0)
65+	96.8 (95.8-97.6)	94.0 (92.7-95.1)	81.9 (79.8-83.8)	97.2 (96.3-97.9)	94.8 (93.6-95.7)
Male	98.7 (98.5-99.0)	97.9 (97.5-98.2)	94.1 (93.6-94.6)	98.7 (98.4-98.9)	97.8 (97.4-98.1)
Female	99.1 (98.8-99.3)	98.2 (97.7-98.5)	94.4 (93.7-95.0)	99.2 (98.9-99.4)	98.2 (97.7-98.5)
Diabetes	97.3 (96.0-98.2)	95.5 (94.0-96.7)	85.4 (83.0-87.6)	97.4 (96.2-98.2)	94.8 (93.2-96.1)
Hypertension / renal vascular disease	98.3 (97.4-99.0)	96.4 (95.1-97.4)	89.6 (87.6-91.3)	97.6 (96.4-98.3)	95.8 (94.4-96.9)
Glomerulonephritis	99.0 (98.6-99.3)	98.4 (97.9-98.8)	96.0 (95.3-96.7)	99.2 (98.8-99.5)	98.8 (98.3-99.1)
Other causes	99.1 (98.9-99.3)	98.4 (98.1-98.7)	95.4 (94.9-95.9)	99.1 (98.8-99.3)	98.3 (98.0-98.6)
All	98.9 (98.7-99.0)	98.0 (97.7-98.2)	94.2 (93.8-94.6)	98.9 (98.6-99.0)	97.9 (97.7-98.2)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.12
First transplant patients (living donor), from day of transplant, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	99.4 (98.8-99.9)	99.0 (98.3-99.7)	98.2 (97.2-99.1)	99.1 (98.4-99.8)	98.5 (97.7-99.4)
20-44	99.6 (99.4-99.8)	99.3 (99.0-99.5)	97.9 (97.4-98.3)	99.6 (99.5-99.8)	99.3 (99.0-99.5)
45-64	98.8 (98.5-99.1)	97.9 (97.6-98.3)	93.9 (93.2-94.5)	98.7 (98.4-99.0)	97.8 (97.4-98.2)
65+	97.1 (96.3-97.9)	94.4 (93.3-95.6)	83.3 (81.4-85.3)	97.5 (96.8-98.2)	95.3 (94.3-96.3)
Male	99.0 (98.8-99.2)	98.3 (98.1-98.6)	95.2 (94.8-95.7)	99.0 (98.8-99.2)	98.3 (98.1-98.6)
Female	99.2 (98.9-99.4)	98.4 (98.0-98.7)	94.8 (94.1-95.4)	99.3 (99.1-99.5)	98.4 (98.1-98.8)
Diabetes	98.3 (97.6-98.9)	97.1 (96.3-98.0)	90.3 (88.7-91.9)	98.4 (97.8-99.0)	96.9 (96.0-97.8)
Hypertension / renal vascular disease	99.0 (98.6-99.5)	97.9 (97.2-98.6)	93.7 (92.5-94.9)	98.7 (98.1-99.2)	97.7 (97.0-98.4)
Glomerulonephritis	99.0 (98.6-99.4)	98.4 (97.9-98.8)	95.8 (95.1-96.5)	99.2 (98.9-99.5)	98.8 (98.4-99.2)
Other causes	99.2 (99.0-99.4)	98.6 (98.3-98.8)	95.7 (95.3-96.2)	99.2 (99.0-99.4)	98.5 (98.3-98.8)
All	99.1 (98.9-99.2)	98.3 (98.1-98.6)	95.1 (94.7-95.5)	99.1 (98.9-99.3)	98.4 (98.1-98.6)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.13
First graft (deceased donor), from day of transplant, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	94.8 (93.3-96.0)	92.1 (90.3-93.6)	86.3 (84.1-88.3)	94.9 (93.5-96.0)	92.5 (90.9-93.9)
20-44	94.3 (93.8-94.7)	92.5 (91.9-93.0)	86.1 (85.4-86.8)	95.1 (94.6-95.5)	93.1 (92.6-93.6)
45-64	92.1 (91.7-92.4)	89.3 (88.8-89.7)	79.8 (79.2-80.3)	92.3 (92.0-92.7)	89.5 (89.1-89.9)
65+	85.9 (85.2-86.5)	80.5 (79.7-81.3)	62.3 (61.3-63.2)	86.5 (85.9-87.1)	80.7 (80.0-81.4)
Male	91.1 (90.7-91.4)	87.6 (87.2-88.0)	76.1 (75.6-76.6)	91.2 (90.8-91.5)	87.5 (87.1-87.9)
Female	91.2 (90.7-91.6)	88.5 (88.0-89.0)	78.7 (78.0-79.4)	91.8 (91.4-92.3)	88.8 (88.3-89.3)
Diabetes	89.3 (88.5-90.0)	85.3 (84.4-86.1)	70.2 (69.0-71.3)	89.3 (88.6-90.0)	84.7 (83.8-85.5)
Hypertension / renal vascular disease	89.0 (88.1-89.9)	84.6 (83.5-85.6)	70.8 (69.5-72.1)	89.9 (89.0-90.6)	85.2 (84.2-86.1)
Glomerulonephritis	92.0 (91.3-92.5)	89.1 (88.3-89.7)	79.7 (78.8-80.6)	92.3 (91.8-92.9)	89.4 (88.7-90.0)
Other causes	91.9 (91.5-92.3)	89.2 (88.7-89.6)	79.8 (79.2-80.3)	92.2 (91.8-92.5)	89.2 (88.8-89.6)
All	91.1 (90.8-91.4)	87.9 (87.6-88.2)	77.0 (76.6-77.5)	91.4 (91.1-91.7)	88.0 (87.7-88.3)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)*

Table B.6.14
First graft (deceased donor), from day of transplant, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)					
	cohort 2012 - 2016			cohort 2015 - 2019		
	1 year	2 year	5 year	1 year	2 year	
0-19	94.3 (92.9-95.8)	91.4 (89.6-93.2)	85.1 (82.9-87.4)	94.5 (93.1-95.8)	91.9 (90.3-93.5)	
20-44	94.4 (93.9-94.8)	92.6 (92.1-93.1)	86.3 (85.6-87.0)	95.1 (94.7-95.6)	93.2 (92.7-93.7)	
45-64	92.3 (92.0-92.7)	89.6 (89.2-90.1)	80.4 (79.8-80.9)	92.6 (92.2-92.9)	89.8 (89.4-90.2)	
65+	86.7 (86.1-87.4)	81.6 (80.9-82.4)	64.0 (63.0-64.9)	87.2 (86.6-87.8)	81.6 (80.9-82.4)	
Male	93.2 (92.9-93.5)	90.5 (90.1-90.8)	81.0 (80.5-81.5)	93.4 (93.1-93.7)	90.5 (90.2-90.9)	
Female	92.8 (92.4-93.2)	90.6 (90.1-91.1)	82.1 (81.5-82.7)	93.4 (93.1-93.8)	90.9 (90.5-91.3)	
Diabetes	91.7 (91.1-92.3)	88.5 (87.8-89.2)	75.8 (74.8-76.8)	92.0 (91.4-92.5)	88.3 (87.7-89.0)	
Hypertension / renal vascular disease	92.5 (91.8-93.1)	89.3 (88.5-90.1)	78.9 (77.9-80.0)	93.1 (92.6-93.7)	89.8 (89.1-90.6)	
Glomerulonephritis	93.1 (92.6-93.6)	90.5 (89.9-91.2)	82.2 (81.4-83.0)	93.5 (93.0-94.0)	91.0 (90.4-91.6)	
Other causes	93.2 (92.9-93.6)	90.9 (90.5-91.3)	82.6 (82.1-83.2)	93.6 (93.2-93.9)	91.1 (90.7-91.5)	
All	93.1 (92.8-93.3)	90.5 (90.2-90.8)	81.4 (81.0-81.9)	93.4 (93.2-93.6)	90.7 (90.4-91.0)	

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.15
First graft (living donor), from day of transplant, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	96.2 (94.7-97.2)	94.5 (92.9-95.8)	89.5 (87.4-91.3)	96.3 (94.8-97.3)	94.4 (92.7-95.7)
20-44	97.1 (96.6-97.5)	96.1 (95.5-96.6)	90.0 (89.1-90.8)	97.2 (96.7-97.7)	96.2 (95.6-96.8)
45-64	96.8 (96.3-97.2)	95.2 (94.5-95.7)	89.0 (88.2-89.9)	96.8 (96.3-97.2)	95.2 (94.6-95.7)
65+	95.2 (93.9-96.2)	91.9 (90.3-93.2)	79.1 (76.9-81.1)	95.9 (94.9-96.7)	93.1 (91.8-94.2)
Male	96.5 (96.0-96.9)	95.1 (94.6-95.5)	88.5 (87.8-89.2)	96.6 (96.2-97.0)	95.2 (94.7-95.7)
Female	97.0 (96.4-97.4)	95.1 (94.4-95.7)	87.8 (86.8-88.7)	97.1 (96.6-97.5)	95.1 (94.5-95.7)
Diabetes	94.8 (93.2-96.1)	92.0 (90.0-93.6)	79.8 (77.0-82.2)	95.6 (94.1-96.7)	92.0 (90.1-93.6)
Hypertension / renal vascular disease	96.1 (94.7-97.1)	93.1 (91.4-94.5)	83.2 (80.8-85.4)	95.7 (94.3-96.8)	92.9 (91.2-94.4)
Glomerulonephritis	96.8 (96.1-97.3)	95.4 (94.7-96.1)	88.6 (87.4-89.7)	96.8 (96.1-97.3)	95.6 (94.8-96.3)
Other causes	97.0 (96.6-97.4)	95.7 (95.2-96.1)	90.1 (89.3-90.7)	97.1 (96.7-97.4)	95.8 (95.3-96.2)
All	96.7 (96.3-97.0)	95.1 (94.7-95.4)	88.3 (87.7-88.8)	96.8 (96.5-97.1)	95.2 (94.8-95.6)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.6.16
First graft (living donor), from day of transplant, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2012 - 2016			cohort 2015 - 2019	
	1 year	2 year	5 year	1 year	2 year
0-19	95.6 (94.2-97.0)	93.9 (92.2-95.5)	88.1 (85.9-90.4)	95.8 (94.3-97.2)	93.7 (91.9-95.4)
20-44	97.0 (96.4-97.5)	95.9 (95.3-96.5)	89.4 (88.5-90.4)	97.1 (96.5-97.6)	96.0 (95.4-96.6)
45-64	96.8 (96.4-97.3)	95.2 (94.7-95.8)	89.2 (88.3-90.0)	96.7 (96.3-97.2)	95.2 (94.6-95.7)
65+	95.3 (94.3-96.4)	92.1 (90.7-93.5)	79.8 (77.8-82.0)	96.1 (95.2-97.0)	93.4 (92.2-94.6)
Male	96.4 (96.0-96.8)	95.0 (94.5-95.5)	88.2 (87.4-88.9)	96.5 (96.1-97.0)	95.1 (94.6-95.6)
Female	96.7 (96.2-97.3)	94.7 (94.0-95.4)	86.8 (85.8-87.8)	96.9 (96.3-97.4)	94.8 (94.1-95.5)
Diabetes	95.1 (93.8-96.5)	92.5 (90.8-94.1)	80.8 (78.4-83.4)	95.9 (94.7-97.1)	92.5 (90.9-94.1)
Hypertension / renal vascular disease	96.4 (95.3-97.5)	93.5 (92.1-95.0)	84.2 (82.1-86.4)	96.0 (94.8-97.2)	93.4 (91.9-94.9)
Glomerulonephritis	96.5 (95.8-97.2)	95.1 (94.3-95.9)	87.7 (86.5-89.0)	96.6 (95.9-97.2)	95.3 (94.6-96.1)
Other causes	96.8 (96.4-97.3)	95.5 (95.0-96.0)	89.6 (88.9-90.3)	97.0 (96.6-97.4)	95.6 (95.1-96.1)
All	96.5 (96.2-96.9)	94.9 (94.5-95.3)	87.7 (87.1-88.3)	96.6 (96.3-97.0)	95.0 (94.6-95.4)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.7.1

Expected remaining years of life in the general population and in prevalent dialysis and kidney transplant patients (cohort 2017-2021)*by age and sex*

General population				ESRD: Dialysis				ESRD: Transplant			
Age	All	Male	Female	Age	All	Male	Female	Age	All	Male	Female
0	81.7	79.3	84.0	0-19	38.3	39.1	37.3	0-19	61.3	61.1	61.8
5	77.0	74.6	79.3								
10	72.0	69.6	74.3								
15	67.0	64.7	69.3								
20	62.1	59.7	64.4	20-24	20.7	21.2	20.0	20-24	42.1	41.7	42.8
25	57.2	54.9	59.4	25-29	17.9	18.2	17.6	25-29	37.8	37.5	38.4
30	52.3	50.1	54.5	30-34	15.7	15.8	15.6	30-34	33.7	33.2	34.6
35	47.5	45.2	49.6	35-39	13.7	13.6	13.8	35-39	29.5	29.1	30.4
40	42.6	40.5	44.7	40-44	11.8	11.7	12.2	40-44	25.5	25.0	26.4
45	37.9	35.7	39.9	45-49	10.1	9.9	10.5	45-49	21.7	21.2	22.6
50	33.2	31.1	35.2	50-54	8.5	8.4	8.9	50-54	18.2	17.7	19.1
55	28.7	26.7	30.5	55-59	7.2	7.0	7.5	55-59	15.0	14.5	15.8
60	24.3	22.5	26.0	60-64	6.2	6.0	6.5	60-64	12.1	11.7	12.8
65	20.2	18.5	21.7	65-69	5.3	5.2	5.7	65-69	9.6	9.3	10.1
70	16.2	14.8	17.5	70-74	4.7	4.5	5.0	70-74	7.4	7.2	7.7
75	12.6	11.4	13.5	75-79	4.0	3.9	4.2	75-79	5.5	5.4	5.8
80	9.2	8.3	9.9	80-84	3.3	3.3	3.4	80-84	3.7	3.5	3.9
85	6.4	5.7	6.8	85-89	2.2	2.1	2.2	85-89	2.2	2.1	2.3
90	4.3	3.9	4.5	90-94	1.5	1.4	1.6				

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Section C: Aggregated data reference tables

Table C.1.1
General population data and number of renal centres

	General population of country/region in thousands	% Coverage of general population by the registry	Total number of renal centres of country/region	Number of renal centres collaborating with the registry
Albania	2812	99.0	14	13
Belarus ‡	9256	100	54	52
Croatia	3889	85.0	48	43
Cyprus	905	100	8	8
Czech Republic	10517	98.0	114	111
Hungary	9731	100	52	52
Israel	9372	100	79	79
Italy (7 of 20 regions) §	59236	34.9	604	73
Kosovo	1740	97.0	9	8
Latvia	1893	90.0	32	26
Lithuania	2811	100	65	65
North Macedonia	2069	100	23	23
Poland	38162	100	278	278
Portugal	10348	100	133	133
Slovakia	5442	81.8	77	63
Spain #	47385	100	357	351
Tunisia, Sfax region	1023	100	18	18
Turkey	84680	100	1119	1119
Ukraine	41419	64.3	139	94

‡ Data from one pediatric center and one center with acute kidney injury patients are excluded

§ The data in this report covers 7 out of 20 regions (Emilia-Romagna, Liguria, Marche, Piedmont, Puglia, Trentino, and Veneto). The coverage for all regions was 100% except within Puglia (72% coverage), and Piedmont (96% coverage)

No data from 5 centers of the Canary Islands and 1 center of Balears Islands (these centers treat foreign patients only)

Table C.2.1
Incident counts and percentages by age and sex
at day 1

	All			0-19						20-44						45-64						65-74						75+					
	All	Male	Female	All		Male		Female		All		Male		Female		All		Male		Female		All		Male		Female							
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%						
Albania	383	256	127	0	0	0	0	0	0	40	10	25	10	15	12	118	31	73	29	45	35	151	39	108	42	43	34	74	19	50	20	24	19
Belarus *	707	412	295	5	1	3	1	2	1	135	19	81	20	54	18	354	50	221	54	133	45	179	25	87	21	92	31	34	5	20	5	14	5
Croatia †	437	270	167	1	0	0	0	1	1	32	7	19	7	13	8	109	25	68	25	41	25	134	31	86	32	48	29	161	37	97	36	64	38
Cyprus	256	193	63	2	1	1	1	1	2	16	6	13	7	3	5	60	23	50	26	10	16	72	28	59	31	13	21	106	41	70	36	36	57
Czech Republic †	2505																																
Hungary																																	
Israel	1877	1195	682	32	2	20	2	12	2	164	9	95	8	69	10	482	26	322	27	160	23	590	31	391	33	199	29	609	32	367	31	242	35
Italy (7 of 20 regions)	3299	2213	1086	21	1	16	1	5	0	211	6	134	6	77	7	874	26	579	26	295	27	879	27	611	28	268	25	1314	40	873	39	441	41
Kosovo	267	160	107	0	0	0	0	0	0	30	11	24	15	6	6	108	40	76	48	32	30	87	33	42	26	45	42	42	16	18	11	24	22
Latvia	160	86	74	2	1	2	2	0	0	29	18	15	17	14	19	66	41	37	43	29	39	35	22	18	21	17	23	28	18	14	16	14	19
Lithuania	274	159	115	7	3	3	2	4	3	43	16	31	19	12	10	94	34	58	36	36	31	56	20	31	19	25	22	74	27	36	23	38	33
North Macedonia	369	223	146	1	0	1	0	0	0	26	7	17	8	9	6	141	38	91	41	50	34	133	36	71	32	62	42	68	18	43	19	25	17
Poland	5570																																
Portugal	2510																																
Slovakia †	828	506	322	8	1	2	0	6	2	86	10	60	12	26	8	279	34	199	39	80	25	268	32	156	31	112	35	187	23	89	18	98	30
Spain §	7135	4762	2373	34	0	20	0	14	1	658	9	421	9	237	10	2183	31	1460	31	723	30	1997	28	1360	29	637	27	2263	32	1501	32	762	32
Tunisia, Sfax region †	235	138	97	4	2	4	3	0	0	40	17	20	14	20	21	88	37	60	43	28	29	59	25	32	23	27	28	44	19	22	16	22	23
Turkey	12661	7552	5109	470	4	264	3	206	4	2228	18	1394	18	834	16	4630	37	2983	39	1647	32	3115	25	1741	23	1374	27	2218	18	1170	15	1048	21
Ukraine *	1411	805	606	15	1	8	1	7	1	268	19	153	19	115	19	691	49	400	50	291	48	360	26	214	27	146	24	77	5	30	4	47	8

Categories may not add up because of missing values or rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

§ Data presented in column 0-19 refer to patients aged 0-14 years and data presented in column 20-44 refer to patients aged 15-44 years

Table C.2.2
Incidence per million (age-related) population by age and sex, unadjusted
at day 1

	All			0-19			20-44			45-64			65-74			75+		
	All	Male	Female	All	Male	Female	All	Male	Female									
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Albania	137.6	184.9	90.8	0	0	0	40.8	50.5	31.0	161.2	205.3	119.5	573.5	852.3	314.8	441.2	627.5	272.6
Belarus *	76.4	96.3	59.3	2.5	2.9	2.0	42.7	51.6	33.9	136.9	187.9	94.4	188.9	243.1	156.0	64.3	150.9	35.3
Croatia †	132.2	169.5	97.6	1.6	0	3.3	31.8	37.3	26.2	117.3	150.4	86.0	310.7	439.8	203.6	524.3	869.4	327.4
Cyprus	283.0	437.6	135.9	10.4	10.1	10.7	46.2	77.6	16.8	277.4	476.8	89.8	841.8	1414.8	296.6	1657.3	2499.5	1001.3
Czech Republic †	243.1																	
Hungary																		
Israel	200.3	256.7	144.6	9.5	11.6	7.3	53.2	61.3	45.0	270.1	369.9	175.1	867.5	1239.7	545.7	1307.7	1878.2	895.3
Italy (7 of 20 regions)	159.7	219.8	102.5	5.7	8.5	2.8	36.2	45.2	26.9	138.6	187.2	91.8	364.5	537.0	210.4	536.3	884.3	301.4
Kosovo	158.2	188.3	127.7	0	0	0	46.4	74.2	18.6	378.5	540.2	221.2	1151.9	1149.7	1153.9	1112.5	1096.0	1125.2
Latvia	93.9	109.2	80.8	5.6	11.0	0	55.5	56.1	54.9	139.5	168.4	114.5	189.5	253.5	149.5	165.1	297.9	114.2
Lithuania	97.5	121.8	76.4	12.8	10.7	15.0	49.1	69.8	27.8	113.4	150.3	81.3	192.4	269.7	142.0	275.2	450.7	201.0
North Macedonia	178.4	215.4	141.3	2.2	4.3	0	34.3	43.7	24.4	253.2	327.1	179.4	673.5	775.2	585.6	631.0	959.4	397.1
Poland	146.0																	
Portugal	242.6																	
Slovakia †	186.0	232.4	141.6	8.7	4.2	13.3	55.4	75.2	34.5	230.8	332.5	131.1	552.0	734.1	410.3	665.4	934.6	527.4
Spain §	150.6	205.1	98.2	3.7	4.3	3.2	44.2	56.0	32.2	155.1	209.1	101.9	426.6	619.2	256.4	488.8	817.3	272.8
Tunisia, Sfax region †	229.7	269.6	189.8	12.4	24.1	0	109.0	110.1	107.8	375.4	512.9	238.4	892.3	1011.1	783.3	1307.8	1391.5	1233.6
Turkey	149.5	178.0	120.9	18.6	20.4	16.8	68.6	84.6	52.1	247.1	318.8	175.6	584.3	698.8	483.8	761.2	1005.9	598.7
Ukraine *	53.0	65.2	42.4	2.9	3.0	2.7	28.7	32.4	24.9	93.6	119.6	72.1	132.6	210.9	85.9	40.1	54.9	34.2

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

§ Data presented in column 0-19 refer to patients aged 0-14 years and data presented in column 20-44 refer to patients aged 15-44 years

Table C.2.3
Sex, mean age, and median age of incident patients
at day 1

	All						Male						Female					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Albania	100	63.6	14.0	67.0	57.0	73.0	66.8	64.1	13.9	67.0	58.0	73.0	33.2	62.7	14.3	65.0	55.0	72.0
Belarus *	100						58.3						41.7					
Croatia †	100	68.8	14.3	70.0	60.0	78.0	61.8	69.2	13.3	71.0	60.0	76.0	38.2	68.2	14.3	70.0	61.0	78.0
Cyprus	100	69.0	14.0	72.0	62.0	79.0	75.4	68.0	14.0	72.0	62.0	79.0	24.6	72.0	14.0	72.0	62.0	79.0
Czech Republic																		
Hungary																		
Israel	100	66.5	16.1	69.8	59.3	77.4	63.7	66.5	15.6	69.5	59.1	76.6	36.3	66.5	17.1	70.2	59.8	78.5
Italy (7 of 20 regions)	100	68.8	15.0	71.8	59.9	79.5	67.1	68.8	14.8	71.9	60.6	79.3	32.9	68.6	15.2	71.6	58.9	80.0
Kosovo	100	62.1	13.1	64.0	55.0	72.0	59.9	59.1	13.5	59.3	50.0	68.0	40.1	66.6	11.3	66.9	60.0	74.0
Latvia	100	58.6	16.1	61.0	47.0	71.0	53.8	58.1	15.9	60.0	46.0	68.8	46.3	59.3	16.5	62.0	49.8	72.0
Lithuania	100	60.4	18.2	62.6	49.7	74.6	58.0	58.5	18.2	59.8	46.7	73.3	42.0	63.1	18.0	65.9	53.8	76.8
North Macedonia	100	63.4	12.9	65.0	57.0	72.0	60.4	62.4	13.7	65.0	53.0	72.0	39.6	65.0	11.3	66.5	60.0	72.8
Poland																		
Portugal																		
Slovakia †	100	63.5	14.9	66.0	55.3	74.0	61.1	62.0	14.6	64.0	53.0	72.0	38.9	65.8	15.0	68.5	60.0	77.0
Spain	100	64.0	14.8	68.5	55.0	77.1	66.7	64.1	14.6	68.5	55.3	77.1	33.3	63.7	15.2	68.3	54.5	77.2
Tunisia, Sfax region †	100	59.8	16.4	62.0	49.0	72.0	58.7	58.8	16.6	61.0	49.8	70.3	41.3	61.2	16.2	65.0	47.0	73.0
Turkey	100						59.6						40.4					
Ukraine *	100	54.0	14.1	56.0	45.0	64.0	57.1	53.7	13.2	55.0	45.0	63.0	42.9	54.4	15.2	56.0	45.0	65.0

Categories may not add up because of missing values or rounding off

When cells are left empty, the data are unavailable

** Patients younger than 18 years of age are not reported*

† Data include dialysis patients only

Table C.2.4
Incidence per million population, adjusted
at day 1, adjusted for age and sex

	All	Male	Female
	Pmp	Pmp	Pmp
Albania	148.5	195.8	103.3
Belarus			
Croatia †	120.9	155.5	87.9
Cyprus	313.7	467.0	167.6
Czech Republic			
Hungary			
Israel	297.0	379.5	218.3
Italy (7 of 20 regions)	133.7	181.2	88.5
Kosovo	335.8	367.2	305.9
Latvia	92.3	110.4	75.0
Lithuania	96.6	124.9	69.6
North Macedonia	198.7	244.1	155.4
Poland			
Portugal			
Slovakia †	198.7	253.9	146.0
Spain			
Tunisia, Sfax region †	310.3	349.6	272.8
Turkey			
Ukraine			

When cells are left empty, the data are unavailable

† Data include dialysis patients only

Table C.2.5
Incidence per million population and percentages by primary renal disease, unadjusted
at day 1

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type 1		Type 2		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Albania	137.6	100	30.9	22.5	16.9	12.3	8.3	6.0	2.5	1.8	29.5	21.4	32.0	23.2	23.7	17.2	3.2	2.3	13.7	9.9	8.6	6.3	0.4	0.3
Belarus *	76.4	100	17.4	22.8	7.2	9.5	7.3	9.6	4.4	5.8	11.5	15.0	15.9	20.8	10.0	13.2	3.9	5.1	14.0	18.4	0.5	0.7	0	0
Croatia †	132.2	100	17.9	13.5	1.5	1.1	13.3	10.1	3.0	2.3	33.0	24.9	36.0	27.2	28.1	21.3	4.5	3.4	18.5	14.0	8.5	6.4	3.9	3.0
Cyprus	283.0	100	29.8	10.5	18.8	6.6	4.4	1.6	5.5	2.0	118.3	41.8	123.8	43.8	46.4	16.4	3.3	1.2	36.5	12.9	19.9	7.0	0	0
Czech Republic																								
Hungary																								
Israel	200.3	100	11.1	5.5	2.0	1.0	4.5	2.2	4.4	2.2	80.7	40.3	85.0	42.5	21.9	10.9	2.0	1.0	22.3	11.1	28.3	14.1	23.2	11.6
Italy (7 of 20 regions)	159.7	100	14.5	9.1	6.7	4.2	7.0	4.4					19.8	12.4	19.4	12.2	7.5	4.7	16.2	10.2	50.1	31.4	18.4	11.5
Kosovo	158.2	100	13.0	8.2	28.4	18.0	10.1	6.4	3.0	1.9	51.0	32.2	53.9	34.1	29.0	18.4	10.1	6.4	10.7	6.7	3.0	1.9	0	0
Latvia	93.9	100	16.4	17.5	9.4	10.0	8.8	9.4	6.5	6.9	10.6	11.3	17.0	18.1	9.4	10.0	0	0	31.1	33.1	1.8	1.9	0	0
Lithuania	97.5	100	16.4	16.8	6.4	6.6	7.8	8.0					16.4	16.8	17.1	17.5	2.5	2.6	19.9	20.4	8.5	8.8	2.5	2.6
North Macedonia	178.4	100	7.3	4.1	22.2	12.5	7.3	4.1	2.9	1.6	37.7	21.1	40.6	22.8	56.6	31.7	0	0	19.3	10.8	25.1	14.1	0	0
Poland	146.0	100					7.2	5.0					37.4	25.6									101.3	69.4
Portugal ‡ + &	242.6	100	28.3	11.7			12.3	5.1					79.2	32.7	29.8	12.3			53.7	22.2	35.4	14.6	2.4	1.0
Slovakia †	186.0	100	15.5	8.3	14.6	7.9	5.6	3.0					64.0	34.4	13.3	7.1	6.3	3.4	60.2	32.4	6.5	3.5	0	0
Spain ¶	150.6	100	20.6	13.7	13.2	8.8	9.7	6.4					37.3	24.8	20.3	13.5			18.7	12.4	26.2	17.4	4.6	3.0
Tunisia, Sfax region † §	229.7	100	13.7	6.0	38.1	16.6	17.6	7.7					79.2	34.5			12.7	5.5	3.9	1.7	64.5	28.1	0	0
Turkey	149.5	100	3.4	2.3	0.6	0.4	2.5	1.6	4.7	3.1	22.2	14.9	26.9	18.0	26.3	17.6	1.0	0.6	8.7	5.8	10.7	7.1	69.5	46.5
Ukraine * +	53.0	100	14.6	27.6	7.0	13.3	5.7	10.7	4.1	7.7	6.8	12.8	10.9	20.5	6.0	11.4			7.5	14.1	0.9	1.7	0.4	0.7

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

‡ Data on primary renal disease are available for dialysis patients only (N=2495, 99.4% of total)

+ Renal vascular disease is not reported separately, but is included into miscellaneous

& Pyelonephritis is not reported separately, but is included into miscellaneous

¶ Renal vascular disease is not reported separately, but is included into hypertension

§ Hypertension is not reported separately, but is included into renal vascular disease

Table C.2.6
Incident counts by treatment modality
at day 1

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Albania	383	356	0	0	0	0	356	0	10	0	10	2	0	0	2	15
Belarus *	707	624	0	0	0	39	663	3	19	0	22	1	21	0	22	0
Croatia †	437	357	0	0	0	54	411			26	26					0
Cyprus	256	239	0	0	0	0	239	1	13	0	14	3	0	0	3	0
Czech Republic †	2505			2429			2429			76	76					0
Hungary																
Israel	1877	1563	0	0	0	47	1610	35	148	2	185	76	3	3	82	0
Italy (7 of 20 regions)	3299	2057	3	255	134	250	2699	261	252	0	513	29	58	0	87	0
Kosovo	267	263	1	0	0	0	264	0	0	0	0	3	0	0	3	0
Latvia	160	125	0	0	0	0	125			34	34	1	0	0	1	0
Lithuania	274	240	0	0	0	0	240			23	23	3	8	0	11	0
North Macedonia	369	366	0	0	0	0	366	0	0	0	0	3	0	0	3	0
Poland	5570	5215	0	0	0	0	5215			301	301			54	54	0
Portugal	2510			2240			2240			255	255			15	15	0
Slovakia †	828	248	0	0	9	534	791	15	4	0	19					18
Spain	7135			5614			5614			1202	1202			319	319	0
Tunisia, Sfax region †	235	229	0	0	0	0	229	5	1	0	6					0
Turkey	12661	9455	39	9	2	12	9517	302	967	0	1269	1860	15	0	1875	0
Ukraine *	1411	812	0	0	0	515	1327	12	72	0	84	0	0	0	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

Table C.2.7
Incidence per million population by treatment modality, unadjusted
at day 1

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	137.6	127.9	0	0	0	0	127.9	0	3.6	0	3.6	0.7	0	0	0.7	5.4
Belarus *	76.4	67.4	0	0	0	4.2	71.6	0.3	2.1	0	2.4	0.1	2.3	0	2.4	0
Croatia †	132.2	108.0	0	0	0	16.3	124.3			7.9	7.9					0
Cyprus	283.0	264.2	0	0	0	0	264.2	1.1	14.4	0	15.5	3.3	0	0	3.3	0
Czech Republic †	243.1			235.7			235.7			7.4	7.4					0
Hungary																
Israel	200.3	166.8	0	0	0	5.0	171.8	3.7	15.8	0.2	19.7	8.1	0.3	0.3	8.7	0
Italy (7 of 20 regions)	159.7	99.6	0.1	12.3	6.5	12.1	130.6	12.6	12.2	0	24.8	1.4	2.8	0	4.2	0
Kosovo	158.2	155.8	0.6	0	0	0	156.4	0	0	0	0	1.8	0	0	1.8	0
Latvia	93.9	73.4	0	0	0	0	73.4			20.0	20.0	0.6	0	0	0.6	0
Lithuania	97.5	85.4	0	0	0	0	85.4			8.2	8.2	1.1	2.8	0	3.9	0
North Macedonia	178.4	176.9	0	0	0	0	176.9	0	0	0	0	1.5	0	0	1.5	0
Poland	146.0	136.7	0	0	0	0	136.7			7.9	7.9			1.4	1.4	0
Portugal	242.6			216.5			216.5			24.6	24.6			1.4	1.4	0
Slovakia †	186.0	55.7	0	0	2.0	120.0	177.7	3.4	0.9	0	4.3					4.0
Spain	150.6			118.5			118.5			25.4	25.4			6.7	6.7	0
Tunisia, Sfax region †	229.7	223.9	0	0	0	0	223.9	4.9	1.0	0	5.9					0
Turkey	149.5	111.7	0.5	0.1	0	0.1	112.4	3.6	11.4	0	15.0	22.0	0.2	0	22.1	0
Ukraine *	53.0	30.5	0	0	0	19.3	49.8	0.5	2.7	0	3.2	0	0	0	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

Table C.2.8
Treatment modality distribution, unadjusted
at day 1

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Albania	100	93.0	0	0	0	0	93.0	0	2.6	0	2.6	0.5	0	0	0.5	3.9
Belarus *	100	88.3	0	0	0	5.5	93.8	0.4	2.7	0	3.1	0.1	3.0	0	3.1	0
Croatia †	100	81.7	0	0	0	12.4	94.1			5.9	5.9					0
Cyprus	100	93.4	0	0	0	0	93.4	0.4	5.1	0	5.5	1.2	0	0	1.2	0
Czech Republic †	100			97.0			97.0			3.0	3.0					0
Hungary																
Israel	100	83.3	0	0	0	2.5	85.8	1.9	7.9	0.1	9.9	4.0	0.2	0.2	4.4	0
Italy (7 of 20 regions)	100	62.4	0.1	7.7	4.1	7.6	81.8	7.9	7.6	0	15.6	0.9	1.8	0	2.6	0
Kosovo	100	98.5	0.4	0	0	0	98.9	0	0	0	0	1.1	0	0	1.1	0
Latvia	100	78.1	0	0	0	0	78.1			21.3	21.3	0.6	0	0	0.6	0
Lithuania	100	87.6	0	0	0	0	87.6			8.4	8.4	1.1	2.9	0	4.0	0
North Macedonia	100	99.2	0	0	0	0	99.2	0	0	0	0	0.8	0	0	0.8	0
Poland	100	93.6	0	0	0	0	93.6			5.4	5.4			1.0	1.0	0
Portugal	100			89.2			89.2			10.2	10.2			0.6	0.6	0
Slovakia †	100	30.0	0	0	1.1	64.5	95.5	1.8	0.5	0	2.3					2.2
Spain	100			78.7			78.7			16.8	16.8			4.5	4.5	0
Tunisia, Sfax region †	100	97.4	0	0	0	0	97.4	2.1	0.4	0	2.6					0
Turkey	100	74.7	0.3	0.1	0	0.1	75.2	2.4	7.6	0	10.0	14.7	0.1	0	14.8	0
Ukraine *	100	57.5	0	0	0	36.5	94.0	0.9	5.1	0	6.0	0	0	0	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

Table C.3.1
Incident counts and percentages by age and sex
at day 91

	All			0-19						20-44						45-64						65-74						75+						
	All	Male	Female	All		Male		Female		All		Male		Female		All		Male		Female		All		Male		Female								
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%							
Albania	350	231	119	0	0	0	0	0	0	39	11	24	10	15	13	112	32	67	29	45	38	144	41	101	44	43	36	55	16	39	17	16	13	
Belarus *	576	333	243	5	1	3	1	2	1	118	20	74	22	44	18	290	50	174	52	116	48	135	23	64	19	71	29	28	5	18	5	10	4	
Croatia †	381	236	145	0	0	0	0	0	0	32	8	19	8	13	9	103	27	64	27	39	27	116	30	74	31	42	29	130	34	79	33	51	35	
Cyprus	240	185	55	2	1	1	1	1	2	16	7	13	7	3	5	57	24	48	26	9	16	69	29	57	31	12	22	96	40	66	36	30	55	
Czech Republic																																		
Hungary	1338	777	561	20	1	11	1	9	2	164	12	103	13	61	11	534	40	330	42	204	36	360	27	210	27	150	27	260	19	123	16	137	24	
Israel	1761	1133	628	31	2	19	2	12	2	162	9	93	8	69	11	468	27	311	27	157	25	547	31	369	33	178	28	553	31	341	30	212	34	
Italy (7 of 20 regions)	3071	2055	1016	19	1	14	1	5	0	205	7	131	6	74	7	827	27	547	27	280	28	829	27	571	28	258	25	1191	39	792	39	399	39	
Kosovo	191	128	63	0	0	0	0	0	0	27	14	23	18	4	6	84	44	62	48	22	35	59	31	30	23	29	46	21	11	13	10	8	13	
Latvia	149	81	68	2	1	2	2	0	0	29	19	15	19	14	21	63	42	35	43	28	41	33	22	17	21	16	24	22	15	12	15	10	15	
Lithuania	261	152	109	7	3	3	2	4	4	42	16	30	20	12	11	93	36	57	38	36	33	52	20	29	19	23	21	67	26	33	22	34	31	
North Macedonia	262	163	99	1	0	1	1	0	0	25	10	17	10	8	8	113	43	75	46	38	38	86	33	45	28	41	41	37	14	25	15	12	12	
Poland																																		
Portugal	2394																																	
Slovakia †	584	356	228	6	1	2	1	4	2	62	11	43	12	19	8	197	34	143	40	54	24	191	33	107	30	84	37	128	22	61	17	67	29	
Spain																																		
Tunisia, Sfax region †	222	133	89	4	2	4	3	0	0	40	18	20	15	20	22	85	38	58	44	27	30	55	25	31	23	24	27	38	17	20	15	18	20	
Turkey																																		
Ukraine *	1292																																	

Categories may not add up because of missing values or rounding off

When cells are left empty, the data are unavailable

** Patients younger than 18 years of age are not reported*

† Data include dialysis patients only

Table C.3.2
Incidence per million (age-related) population by age and sex, unadjusted
at day 91

	All			0-19			20-44			45-64			65-74			75+		
	All	Male	Female	All	Male	Female	All	Male	Female									
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Albania	125.7	166.8	85.1	0	0	0	39.8	48.4	31.0	153.0	188.5	119.5	546.9	797.1	314.8	327.9	489.5	181.7
Belarus *	62.2	77.8	48.8	2.5	2.9	2.0	37.3	47.2	27.6	112.2	147.9	82.3	142.4	178.8	120.4	52.9	135.8	25.2
Croatia †	115.3	148.1	84.7	0	0	0	31.8	37.3	26.2	110.9	141.5	81.8	269.0	378.4	178.2	423.4	708.1	260.9
Cyprus	265.3	419.4	118.6	10.4	10.1	10.7	46.2	77.6	16.8	263.6	457.8	80.8	806.7	1366.9	273.8	1501.0	2356.6	834.4
Czech Republic																		
Hungary	137.5	166.6	110.7	10.5	11.2	9.7	51.3	62.8	39.1	201.5	256.1	149.8	310.3	431.1	222.8	318.5	456.0	250.6
Israel	187.9	243.4	133.1	9.2	11.0	7.3	52.6	60.0	45.0	262.3	357.2	171.8	804.3	1169.9	488.1	1187.5	1745.1	784.3
Italy (7 of 20 regions)	148.7	204.1	95.9	5.2	7.4	2.8	35.2	44.2	25.8	131.2	176.9	87.2	343.7	501.9	202.5	486.1	802.3	272.7
Kosovo	113.2	150.7	75.2	0	0	0	41.8	71.1	12.4	294.4	440.7	152.0	781.2	821.2	743.6	556.2	791.5	375.1
Latvia	87.4	102.8	74.2	5.6	11.0	0	55.5	56.1	54.9	133.2	159.3	110.6	178.6	239.4	140.7	129.7	255.4	81.6
Lithuania	92.9	116.5	72.4	12.8	10.7	15.0	48.0	67.6	27.8	112.2	147.7	81.3	178.7	252.3	130.6	249.2	413.2	179.9
North Macedonia	126.7	157.5	95.8	2.2	4.3	0	33.0	43.7	21.7	202.9	269.6	136.4	435.5	491.4	387.2	343.3	557.8	190.6
Poland																		
Portugal	231.3																	
Slovakia †	131.2	163.5	100.2	6.5	4.2	8.9	39.9	53.9	25.2	163.0	238.9	88.5	393.4	503.5	307.7	455.5	640.6	360.6
Spain																		
Tunisia, Sfax region †	217.0	259.8	174.2	12.4	24.1	0	109.0	110.1	107.8	362.6	495.8	229.9	831.8	979.5	696.3	1129.5	1265.0	1009.3
Turkey																		
Ukraine *	48.5																	

When cells are left empty, the data are unavailable

** Patients younger than 18 years of age are not reported*

† Data include dialysis patients only

Table C.3.3
Sex, mean age, and median age of incident patients
at day 91

	All						Male						Female					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Albania	100	62.8	13.7	66.0	56.0	72.0	66.0	63.6	13.7	67.0	57.5	73.0	34.0	61.4	13.7	64.0	55.0	71.0
Belarus *	100						57.8						42.2					
Croatia †	100	68.0	14.2	69.3	59.0	77.0	61.9	68.3	13.1	70.0	59.0	75.0	38.1	67.4	14.3	69.0	60.0	78.0
Cyprus	100	69.0	14.0	72.0	62.0	79.0	77.1	68.0	14.0	72.0	62.0	79.0	22.9	70.0	14.0	72.0	62.0	79.0
Czech Republic																		
Hungary	100	62.1	15.1	64.0	53.0	73.0	58.1	61.0	14.7	63.0	52.0	71.0	41.9	63.7	15.6	66.0	53.0	75.2
Israel	100	66.0	16.3	69.3	58.7	77.1	64.3	66.3	15.6	69.2	58.7	76.6	35.7	65.6	17.4	69.4	58.7	77.9
Italy (7 of 20 regions)	100	68.4	14.7	71.5	59.4	79.2	66.9	68.5	14.5	71.6	60.0	79.0	33.1	68.3	15.1	71.2	58.5	79.6
Kosovo	100	61.9	13.0	62.1	55.0	72.0	67.0	59.8	13.0	61.0	52.0	69.0	33.0	66.2	11.9	63.0	55.0	71.0
Latvia	100	57.6	16.1	60.0	46.0	69.0	54.4	57.3	15.9	58.0	45.0	68.0	45.6	57.9	16.4	61.0	48.8	70.3
Lithuania	100	59.8	18.0	62.2	48.9	74.4	58.2	58.0	17.8	59.8	46.6	72.8	41.8	62.3	18.1	65.3	53.2	76.0
North Macedonia	100	61.1	13.3	64.0	52.3	70.0	62.2	59.9	14.3	62.0	51.5	70.0	37.8	63.0	11.6	65.0	58.5	70.0
Poland																		
Portugal																		
Slovakia †	100	63.2	15.0	66.0	55.0	73.0	61.0	61.5	14.7	64.0	52.0	72.0	39.0	65.7	15.1	69.0	60.0	76.0
Spain																		
Tunisia, Sfax region †	100	59.1	16.5	61.0	47.0	61.0	59.9	58.4	16.7	60.0	48.5	60.0	40.1	60.1	16.4	63.0	45.5	72.0
Turkey																		
Ukraine																		

Categories may not add up because of missing values or rounding off

When cells are left empty, the data are unavailable

** Patients younger than 18 years of age are not reported*

† Data include dialysis patients only

Table C.3.4
Incidence per million population, adjusted
at day 91, adjusted for age and sex

	All	Male	Female
	Pmp	Pmp	Pmp
Albania	131.8	175.0	90.7
Belarus			
Croatia †	105.1	135.4	76.2
Cyprus	291.0	446.8	142.5
Czech Republic			
Hungary	135.4	167.9	104.5
Israel	277.5	359.3	199.5
Italy (7 of 20 regions)	124.9	168.9	83.0
Kosovo	221.5	290.0	156.1
Latvia	86.5	104.0	69.9
Lithuania	92.1	119.2	66.2
North Macedonia	136.4	174.0	100.6
Poland			
Portugal			
Slovakia †	139.6	178.3	102.7
Spain			
Tunisia, Sfax region †	287.7	331.9	245.6
Turkey			
Ukraine			

When cells are left empty, the data are unavailable

† Data include dialysis patients only

Table C.3.5
Incidence per million population and percentages by primary renal disease, unadjusted
at day 91

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type 1		Type 2		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Albania	125.7	100	30.5	24.3	14.4	11.4	7.2	5.7	2.2	1.7	26.6	21.1	28.7	22.9	22.3	17.7	2.9	2.3	11.9	9.4	7.2	5.7	0.7	0.6
Belarus *	62.2	100	15.3	24.7	6.3	10.1	6.5	10.4	3.9	6.3	9.1	14.6	13.0	20.8	7.7	12.3	2.2	3.5	11.1	17.9	0.2	0.3	0	0
Croatia †	115.3	100	16.9	14.7	0.9	0.8	12.4	10.8	3.0	2.6	29.6	25.7	32.7	28.3	26.0	22.6	4.2	3.7	14.8	12.9	7.3	6.3	0	0
Cyprus	265.3	100	29.8	11.3	18.8	7.1	4.4	1.7	5.5	2.1	110.5	41.7	116.1	43.8	45.3	17.1	3.3	1.3	27.6	10.4	19.9	7.5	0	0
Czech Republic																								
Hungary																								
Israel	187.9	100	10.8	5.7	2.0	1.1	4.5	2.4	4.3	2.3	74.2	39.5	78.4	41.7	21.3	11.4	2.0	1.1	20.6	11.0	25.8	13.7	22.4	11.9
Italy (7 of 20 regions)	148.7	100	13.9	9.3	6.4	4.3	6.9	4.6					18.9	12.7	18.5	12.5	6.9	4.6	15.7	10.6	44.1	29.7	17.3	11.7
Kosovo	113.2	100	10.7	9.4	17.8	15.7	6.5	5.8	3.0	2.6	34.4	30.4	37.3	33.0	23.1	20.4	3.0	2.6	10.7	9.4	4.1	3.7	0	0
Latvia	87.4	100	15.8	18.1	9.4	10.7	8.2	9.4	6.5	7.4	10.0	11.4	16.4	18.8	7.0	8.1	0	0	29.3	33.6	1.2	1.3	0	0
Lithuania	92.9	100	15.3	16.5	6.4	6.9	7.8	8.4					15.7	16.9	16.4	17.6	2.5	2.7	18.5	19.9	7.8	8.4	2.5	2.7
North Macedonia	126.7	100	6.8	5.3	14.5	11.5	7.3	5.7	2.9	2.3	24.7	19.5	27.6	21.8	43.5	34.4	0	0	14.5	11.5	12.6	9.9	0	0
Poland																								
Portugal																								
Slovakia †	131.2	100	11.7	8.9	9.9	7.5	4.5	3.4					50.8	38.7	12.1	9.2	4.3	3.3	35.5	27.1	2.5	1.9	0	0
Spain																								
Tunisia, Sfax region † §	217.0	100	13.7	6.3	38.1	17.6	17.6	8.1					73.3	33.8			12.7	5.9	3.9	1.8	57.7	26.6	0	0
Turkey																								
Ukraine * +	48.5	100	14.5	30.0	6.6	13.5	5.6	11.6	3.9	8.1	5.1	10.6	9.1	18.7	5.5	11.4			6.4	13.2	0.8	1.5	0	0

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown
 Categories may not add up because of rounding off
 When cells are left empty, the data are unavailable
 * Patients younger than 18 years of age are not reported
 † Data include dialysis patients only
 + Renal vascular disease is not reported separately, but is included into miscellaneous
 § Hypertension is not reported separately, but is included into renal vascular disease

C3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2021, AT DAY 91

Table C.3.6
Incident counts by treatment modality
at day 91

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
		N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Albania	350	333	0	0	0	0	333	0	10	0	10	5	0	0	5	2
Belarus *	576	444	0	0	0	76	520	4	30	0	34	1	21	0	22	0
Croatia †	381	312	0	0	0	46	358			23	23					0
Cyprus	240	223	0	0	0	0	223	1	13	0	14	3	0	0	3	0
Czech Republic																
Hungary	1338	987	0	0	6	186	1179	0	0	139	139	14	6	0	20	0
Israel	1761	1445	0	0	0	43	1488	35	142	2	179	88	3	3	94	0
Italy (7 of 20 regions)	3071	1885	3	239	115	245	2487	247	251	0	498	28	58	0	86	0
Kosovo	191	175	0	0	0	0	175	0	0	0	0	16	0	0	16	0
Latvia	149	115	0	0	0	0	115			33	33	1	0	0	1	0
Lithuania	261	227	0	0	0	0	227	14	8	0	22	4	8	0	12	0
North Macedonia	262	260	0	0	0	0	260	0	0	0	0	2	0	0	2	0
Poland																
Portugal #	2394			2128			2128			251	251			15	15	0
Slovakia †	584	184	0	0	7	374	565	15	4	0	19					0
Spain																
Tunisia, Sfax region †	222	216	0	0	0	0	216	5	1	0	6					0
Turkey																
Ukraine *	1292	689	0	0	0	515	1204	11	77	0	88	0	0	0	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

Only pre-emptive transplantations (at day 1) are included

Table C.3.7
Incidence per million population by treatment modality, unadjusted
at day 91

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	125.7	119.6	0	0	0	0	119.6	0	3.6	0	3.6	1.8	0	0	1.8	0.7
Belarus *	62.2	48.0	0	0	0	8.2	56.2	0.4	3.2	0	3.7	0.1	2.3	0	2.4	0
Croatia †	115.3	94.4	0	0	0	13.9	108.3			7.0	7.0					0
Cyprus	265.3	246.5	0	0	0	0	246.5	1.1	14.4	0	15.5	3.3	0	0	3.3	0
Czech Republic																
Hungary	137.5	101.4	0	0	0.6	19.1	121.2	0	0	14.3	14.3	1.4	0.6	0	2.1	0
Israel	187.9	154.2	0	0	0	4.6	158.8	3.7	15.2	0.2	19.1	9.4	0.3	0.3	10.0	0
Italy (7 of 20 regions)	148.7	91.2	0.1	11.6	5.6	11.9	120.4	12.0	12.2	0	24.1	1.4	2.8	0	4.2	0
Kosovo	113.2	103.7	0	0	0	0	103.7	0	0	0	0	9.5	0	0	9.5	0
Latvia	87.4	67.5	0	0	0	0	67.5			19.4	19.4	0.6	0	0	0.6	0
Lithuania	92.9	80.8	0	0	0	0	80.8	5.0	2.8	0	7.8	1.4	2.8	0	4.3	0
North Macedonia	126.7	125.7	0	0	0	0	125.7	0	0	0	0	1.0	0	0	1.0	0
Poland																
Portugal #	231.3			205.6			205.6			24.3	24.3			1.4	1.4	0
Slovakia †	131.2	41.3	0	0	1.6	84.0	126.9	3.4	0.9	0	4.3					0
Spain																
Tunisia, Sfax region †	217.0	211.2	0	0	0	0	211.2	4.9	1.0	0	5.9					0
Turkey																
Ukraine *	48.5	25.9	0	0	0	19.3	45.2	0.4	2.9	0	3.3	0	0	0	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

Only pre-emptive transplantations (at day 1) are included

Table C.3.8
Treatment modality distribution, unadjusted
at day 91

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Albania	100	95.1	0	0	0	0	95.1	0	2.9	0	2.9	1.4	0	0	1.4	0.6
Belarus *	100	77.1	0	0	0	13.2	90.3	0.7	5.2	0	5.9	0.2	3.6	0	3.8	0
Croatia †	100	81.9	0	0	0	12.1	94.0			6.0	6.0					0
Cyprus	100	92.9	0	0	0	0	92.9	0.4	5.4	0	5.8	1.3	0	0	1.3	0
Czech Republic																
Hungary	100	73.8	0	0	0.4	13.9	88.1	0	0	10.4	10.4	1.0	0.4	0	1.5	0
Israel	100	82.1	0	0	0	2.4	84.5	2.0	8.1	0.1	10.2	5.0	0.2	0.2	5.3	0
Italy (7 of 20 regions)	100	61.4	0.1	7.8	3.7	8.0	81.0	8.0	8.2	0	16.2	0.9	1.9	0	2.8	0
Kosovo	100	91.6	0	0	0	0	91.6	0	0	0	0	8.4	0	0	8.4	0
Latvia	100	77.2	0	0	0	0	77.2			22.1	22.1	0.7	0	0	0.7	0
Lithuania	100	87.0	0	0	0	0	87.0	5.4	3.1	0	8.4	1.5	3.1	0	4.6	0
North Macedonia	100	99.2	0	0	0	0	99.2	0	0	0	0	0.8	0	0	0.8	0
Poland																
Portugal #	100			88.9			88.9			10.5	10.5			0.6	0.6	0
Slovakia †	100	31.5	0	0	1.2	64.0	96.7	2.6	0.7	0	3.3					0
Spain																
Tunisia, Sfax region †	100	97.3	0	0	0	0	97.3	2.3	0.5	0	2.7					0
Turkey																
Ukraine *	100	53.3	0	0	0	39.9	93.2	0.9	6.0	0	6.8	0	0	0	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

Only pre-emptive transplantations (at day 1) are included

Table C.4.1
Prevalent counts and percentages by age and sex
prevalent patients on December 31

	All			0-19						20-44						45-64						65-74						75+					
	All	Male	Female	All		Male		Female		All		Male		Female		All		Male		Female		All		Male		Female							
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%						
Albania	1680	1043	637	8	0	5	0	3	0	390	23	220	21	170	27	585	35	361	35	224	35	475	28	299	29	176	28	222	13	158	15	64	10
Belarus *	4063	2298	1765	34	1	18	1	16	1	1248	31	726	32	522	30	1928	47	1104	48	824	47	715	18	379	16	336	19	138	3	71	3	67	4
Croatia †	2140	1284	856	1	0	0	0	1	0	221	10	128	10	93	11	591	28	395	31	196	23	730	34	441	34	289	34	597	28	320	25	277	32
Cyprus																																	
Czech Republic	11613																																
Hungary	9091	5167	3924	133	1	79	2	54	1	1549	17	948	18	601	15	3810	42	2291	44	1519	39	2316	25	1249	24	1067	27	1283	14	600	12	683	17
Israel †	7042	4418	2624	47	1	25	1	22	1	467	7	282	6	185	7	2003	28	1306	30	697	27	2112	30	1337	30	775	30	2413	34	1468	33	945	36
Italy (7 of 20 regions)	25100	15988	9112	322	1	191	1	131	1	3261	13	2059	13	1202	13	9032	36	5748	36	3284	36	6071	24	3898	24	2173	24	6414	26	4092	26	2322	25
Kosovo * §	927	536	391	2	0	2	0	0	0	143	15	93	17	50	13	437	47	265	49	172	44	255	28	124	23	131	34	90	10	52	10	38	10
Latvia	1023	558	465	13	1	9	2	4	1	239	23	142	25	97	21	438	43	248	44	190	41	230	22	112	20	118	25	103	10	47	8	56	12
Lithuania	2405																																
North Macedonia	1634	1028	606	6	0	4	0	2	0	237	15	147	14	90	15	766	47	501	49	265	44	408	25	241	23	167	28	217	13	135	13	82	14
Poland †	19416	11707	7709	63	0					2233	12					6203	32					6218	32					4699	24				
Portugal	20731	12383	8348																														
Slovakia †	3463	2129	1334	11	0	4	0	7	1	336	10	212	10	124	9	1081	31	753	35	328	25	1135	33	689	32	446	33	900	26	471	22	429	32
Spain §	65678	41077	23291	285	0	185	0	100	0	7583	12	4631	11	2811	12	25244	38	15796	38	8913	38	16484	25	10580	26	5560	24	16082	24	9885	24	5907	25
Tunisia, Sfax region †	1063	625	438	13	1	9	1	4	1	226	21	131	21	95	22	445	42	277	44	168	38	216	20	131	21	85	19	163	15	77	12	86	20
Turkey	84128																																
Ukraine *	8086	4578	3508	62	1	36	1	26	1	2512	31	1400	31	1112	32	3604	45	2087	46	1517	43	1632	20	921	20	711	20	276	3	134	3	142	4

Categories may not add up because of missing values or rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

§ According to other data sources, 4 paediatric patients were treated with KRT (2 HD and 2 Tx) on December 31st 2021

§ Data presented in column 0-19 refer to patients aged 0-14 years and data presented in column 20-44 refer to patients aged 15-44 years

Table C.4.2
Prevalence per million (age-related) population by age and sex, unadjusted
prevalent patients on December 31

	All			0-19			20-44			45-64			65-74			75+		
	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Albania	603.5	753.3	455.3	12.5	15.3	9.5	398.3	444.0	351.4	799.3	1015.5	595.1	1804.0	2359.6	1288.6	1323.6	1983.1	726.9
Belarus *	439.0	537.1	354.6	16.7	17.3	16.2	394.7	462.7	327.7	745.7	938.7	584.7	754.4	1058.9	569.7	260.9	535.8	169.0
Croatia †	647.5	805.8	500.0	1.6	0	3.3	219.7	251.4	187.2	636.1	873.4	411.1	1692.6	2255.1	1226.0	1944.3	2868.1	1417.0
Cyprus																		
Czech Republic	1126.8																	
Hungary	934.3	1107.9	774.4	69.8	80.7	58.3	484.3	578.1	385.6	1437.4	1778.2	1115.1	1996.0	2563.8	1585.2	1571.6	2224.3	1249.5
Israel †	751.4	949.2	556.3	14.0	14.5	13.4	151.6	182.0	120.8	1122.5	1500.1	762.7	3105.4	4239.1	2125.0	5181.4	7512.8	3496.1
Italy (7 of 20 regions)	1215.0	1588.2	860.3	88.0	101.3	73.8	559.2	694.7	419.2	1432.4	1858.4	1022.3	2517.3	3426.0	1705.7	2617.6	4145.1	1587.0
Kosovo * §	549.3	630.9	466.6	3.1	6.0	0	221.2	287.6	154.8	1531.3	1883.7	1188.7	3376.3	3394.5	3359.2	2383.8	3166.1	1781.5
Latvia	600.4	708.4	507.5	36.7	49.3	23.3	457.5	530.8	380.7	926.0	1128.5	750.2	1245.0	1577.4	1037.6	607.3	1000.2	456.8
Lithuania	855.6																	
North Macedonia	789.9	993.1	586.4	13.4	17.3	9.2	312.6	378.1	243.7	1375.6	1801.0	951.0	2066.2	2631.5	1577.2	2013.5	3012.0	1302.6
Poland †	508.8	634.6	391.0	8.4			168.6			620.4			1357.9			1639.9		
Portugal	2003.4	2516.8	1538.0															
Slovakia †	777.9	977.9	586.5	11.9	8.4	15.5	216.5	265.8	164.3	894.2	1258.1	537.4	2337.9	3242.4	1633.8	3202.4	4946.2	2308.7
Spain §	1386.0	1768.8	963.9	31.3	39.5	22.6	509.2	615.6	381.5	1793.5	2262.5	1256.6	3521.6	4817.0	2237.9	3473.5	5382.1	2114.7
Tunisia, Sfax region †	1039.2	1220.8	857.2	40.4	54.3	25.7	615.6	721.1	512.3	1898.3	2367.8	1430.6	3266.8	4139.0	2466.0	4844.8	4870.3	4822.2
Turkey	993.5																	
Ukraine *	303.6	370.9	245.5	11.8	13.3	10.2	268.6	296.2	240.4	488.2	624.0	375.8	601.0	907.6	418.1	143.6	245.1	103.3

When cells are left empty, the data are unavailable

** Patients younger than 18 years of age are not reported*

† Data include dialysis patients only

§ According to other data sources, 4 paediatric patients were treated with KRT (2 HD and 2 Tx) on December 31st 2021

§ Data presented in column 0-19 refer to patients aged 0-14 years and data presented in column 20-44 refer to patients aged 15-44 years

Table C.4.3
Sex, mean age, and median age
prevalent patients on December 31

	All						Male						Female					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Albania	100	57.4	16.6	61.0	46.0	71.0	62.1	58.6	16.4	62.0	49.0	71.0	37.9	55.5	16.6	59.0	42.2	69.0
Belarus *	100						56.6						43.4					
Croatia †	100	66.9	14.6	70.0	60.0	79.0	60.0	66.7	14.7	68.5	60.0	78.0	40.0	67.3	15.7	69.5	62.0	79.0
Cyprus																		
Czech Republic																		
Hungary	100	62.0	15.1	64.0	52.0	73.0	56.8	60.6	14.9	63.0	51.0	71.0	43.2	63.7	15.1	66.0	53.0	73.0
Israel †	100	67.8	14.5	70.0	60.2	78.0	62.7	67.8	14.3	69.7	60.0	77.6	37.3	67.9	14.9	70.4	60.5	78.1
Italy (7 of 20 regions)	100	62.9	16.6	64.9	52.4	75.3	63.7	63.0	16.5	65.0	52.6	75.3	36.3	62.8	16.9	64.7	52.1	75.2
Kosovo * §	100	60.7	12.6	62.0	54.0	70.0	57.8	59.8	13.0	61.0	52.0	69.0	42.2	61.9	11.9	63.0	55.0	71.0
Latvia	100	55.8	15.8	58.0	45.0	67.5	54.5	54.3	15.8	56.0	43.0	66.0	45.5	57.7	15.6	60.0	48.0	69.0
Lithuania																		
North Macedonia	100	59.4	13.9	61.0	51.0	69.0	62.9	59.1	13.9	61.0	50.0	68.0	37.1	59.9	13.9	62.0	51.3	70.0
Poland †	100						60.3						39.7					
Portugal	100	68.3					59.7						40.3					
Slovakia †	100	64.9	14.2	67.0	57.0	75.0	61.5	63.8	13.9	66.0	56.0	73.0	38.5	66.7	14.4	69.0	59.0	77.0
Spain	100	61.3	15.1	64.8	51.8	74.8	62.5	61.4	15.0	64.9	51.9	74.6	35.5	61.2	15.3	64.6	51.5	75.2
Tunisia, Sfax region †	100	57.5	16.0	59.0	46.0	69.0	58.8	56.9	15.6	59.0	46.0	59.0	41.2	58.4	16.5	60.5	46.8	71.0
Turkey																		
Ukraine *	100	52.8	13.8	54.0	42.0	63.0	56.6	52.5	13.6	53.0	43.0	63.0	43.4	53.2	14.1	55.0	42.0	64.0

Categories may not add up because of missing values or rounding off

When cells are left empty, the data are unavailable

** Patients younger than 18 years of age are not reported*

† Data include dialysis patients only

§ According to other data sources, 4 paediatric patients were treated with KRT (2 HD and 2 Tx) on December 31st 2021

Table C.4.4
Prevalence per million population, adjusted
prevalent patients on December 31, adjusted for age and sex

	All	Male	Female
	Pmp	Pmp	Pmp
Albania	620.5	778.7	469.7
Belarus			
Croatia †	586.3	733.5	445.9
Cyprus			
Czech Republic			
Hungary	912.3	1102.5	730.8
Israel †	1132.1	1425.0	852.7
Italy (7 of 20 regions)	1070.3	1381.9	773.1
Kosovo * §	1053.3	1191.5	921.6
Latvia	592.0	714.4	475.2
Lithuania			
North Macedonia	848.8	1082.3	626.1
Poland			
Portugal			
Slovakia †	848.0	1092.6	614.7
Spain			
Tunisia, Sfax region †	1352.2	1540.0	1173.2
Turkey			
Ukraine			

When cells are left empty, the data are unavailable

** Patients younger than 18 years of age are not reported*

† Data include dialysis patients only

§ According to other data sources, 4 paediatric patients were treated with KRT (2 HD and 2 Tx) on December 31st 2021

Table C.4.5
Prevalence per million population and percentages by primary renal disease, unadjusted
prevalent patients on December 31

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type 1		Type 2		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Albania	603.5	100	106.3	17.6	129.7	21.5	46.7	7.7	14.0	2.3	122.5	20.3	136.5	22.6	61.4	10.2	14.4	2.4	59.3	9.8	49.2	8.2	0	0
Belarus *	439.0	100	192.0	43.7	32.2	7.3	41.7	9.5	24.3	5.5	29.3	6.7	53.6	12.2	33.6	7.7	9.6	2.2	75.7	17.3	0.5	0.1	0	0
Croatia †	647.5	100	131.6	20.3	39.0	6.0	61.7	9.5	10.0	1.5	147.3	22.8	157.3	24.3	125.0	19.3	21.8	3.4	64.1	9.9	33.0	5.1	13.9	2.1
Cyprus																								
Czech Republic																								
Hungary																								
Israel †	751.4	100	59.8	8.0	15.0	2.0	24.6	3.3	32.5	4.3	313.7	41.7	346.3	46.1	86.2	11.5	9.7	1.3	84.3	11.2	105.5	14.0	20.0	2.7
Italy (7 of 20 regions)	1215.0	100	232.9	19.2	79.8	6.6	112.2	9.2					121.6	10.0	127.0	10.5	37.7	3.1	131.5	10.8	237.0	19.5	135.4	11.1
Kosovo * §	549.3	100	33.8	6.1	169.5	30.9	33.2	6.0	10.7	1.9	129.8	23.6	140.4	25.6	96.6	17.6	16.6	3.0	33.8	6.1	25.5	4.6	0	0
Latvia	600.4	100	196.6	32.7	61.0	10.2	78.1	13.0	34.6	5.8	30.5	5.1	65.1	10.9	58.7	9.8	0	0	122.7	20.4	18.2	3.0	0	0
Lithuania																								
North Macedonia	789.9	100	109.7	13.9	70.1	8.9	74.0	9.4	16.9	2.1	113.6	14.4	130.5	16.5	227.7	28.8	2.4	0.3	78.8	10.0	96.7	12.2	0	0
Poland †	508.8	100	76.0	14.9	36.9	7.2	36.3	7.1	28.0	5.5	113.3	22.3	141.3	27.8	80.8	15.9	29.0	5.7	50.3	9.9	58.4	11.5	0	0
Portugal ‡ + &	2003.4	100	173.7	8.7			83.1	4.1					359.6	17.9	163.6	8.2			277.3	13.8	227.0	11.3	17.7	0.9
Slovakia †	777.9	100	120.0	15.4	86.9	11.2	38.9	5.0					243.1	31.2	92.1	11.8	54.4	7.0	140.2	18.0	2.5	0.3	0	0
Spain ¶	1386.0	100	273.7	19.7	142.1	10.3	141.8	10.2					227.8	16.4	148.0	10.7			148.7	10.7	263.4	19.0	40.5	2.9
Tunisia, Sfax region †	1039.2	100	130.0	12.5	181.8	17.5	86.0	8.3					241.5	23.2			48.9	4.7	25.4	2.4	324.6	31.2	0	0
Turkey	993.5	100	10.7	1.1	1.8	0.2	8.5	0.9	9.3	0.9	59.7	6.0	69.0	6.9	61.8	6.2	1.6	0.2	20.1	2.0	28.1	2.8	791.8	79.7
Ukraine * +	303.6	100	113.7	37.4	38.3	12.6	35.3	11.6	24.9	8.2	24.0	7.9	49.0	16.1	21.3	7.0			39.0	12.8	2.7	0.9	4.4	1.5

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

§ According to other data sources, 4 paediatric patients were treated with KRT (2 HD and 2 Tx) on December 31st 2021

‡ Data on primary renal disease are available for dialysis patients only (N=13473, 65.0% of total)

+ Renal vascular disease is not reported separately, but is included into miscellaneous

& Pyelonephritis is not reported separately, but is included into miscellaneous

¶ Renal vascular disease is not reported separately, but is included into hypertension

Table C.4.6
Prevalent counts by treatment modality
prevalent patients on December 31

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
Albania	1680	1334	0	0	0	0	1334	0	39	0	39	266	34	7	307	0
Belarus *	4063	1360	0	0	8	338	1706	11	122	0	133	87	2137	0	2224	0
Croatia †	2140	1725	0	0	0	275	2000			140	140					0
Cyprus																
Czech Republic	11613	1377	49	0	0	4517	5943			282	282			5388	5388	0
Hungary	9091	2827	0	0	4	2317	5148			728	728			3215	3215	0
Israel †	7042	5950	0	0	0	499	6449	234	355	0	589					0
Italy (7 of 20 regions)	25100	8718	46	769	496	3270	13299	960	840	0	1800	994	9005	2	10001	0
Kosovo * §	927	790	0	0	0	0	790	0	0	0	0	137	0	0	137	0
Latvia	1023	381	0	0	0	0	381			97	97	71	474	0	545	0
Lithuania	2405	1269	0	0	0	0	1269	35	23	0	58			1078	1078	0
North Macedonia	1634	1382	1	0	0	0	1383	0	12	0	12	203	36	0	239	0
Poland †	19416	18592	0	0	0	0	18592			824	824					0
Portugal	20731			12601			12601			886	886	783	6461	0	7244	0
Slovakia †	3463	781	0	0	65	2554	3400	43	20	0	63					0
Spain	65678			26627			26627			3288	3288			35763	35763	0
Tunisia, Sfax region †	1063	1030	0	0	0	0	1030	14	19	0	33					0
Turkey	84128	57548	1107	310	5	1081	60051	1200	2217	0	3417	0	0	20660	20660	0
Ukraine *	8086	4288	0	0	0	2274	6562	105	477	0	582	514	408	20	942	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

§ According to other data sources, 4 paediatric patients were treated with KRT (2 HD and 2 Tx) on December 31st 2021

Table C.4.7
Prevalence per million population by treatment modality, unadjusted
prevalent patients on December 31

	Prevalence per million population by treatment modality, unadjusted															
	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Missing
	Pmp	HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	Pmp
Albania	603.5	479.2	0	0	0	0	479.2	0	14.0	0	14.0	95.6	12.2	2.5	110.3	0
Belarus *	439.0	146.9	0	0	0.9	36.5	184.3	1.2	13.2	0	14.4	9.4	230.9	0	240.3	0
Croatia †	647.5	521.9	0	0	0	83.2	605.1			42.4	42.4					0
Cyprus																
Czech Republic	1126.8	133.6	4.8	0	0	438.3	576.6			27.4	27.4			522.8	522.8	0
Hungary	934.3	290.5	0	0	0.4	238.1	529.0			74.8	74.8			330.4	330.4	0
Israel †	751.4	634.9	0	0	0	53.2	688.1	25.0	37.9	0	62.8					0
Italy (7 of 20 regions)	1215.0	422.0	2.2	37.2	24.0	158.3	643.8	46.5	40.7	0	87.1	48.1	435.9	0.1	484.1	0
Kosovo * §	549.3	468.1	0	0	0	0	468.1	0	0	0	0	81.2	0	0	81.2	0
Latvia	600.4	223.6	0	0	0	0	223.6			56.9	56.9	41.7	278.2	0	319.9	0
Lithuania	855.6	451.5	0	0	0	0	451.5	12.5	8.2	0	20.6			383.5	383.5	0
North Macedonia	789.9	668.1	0.5	0	0	0	668.5	0	5.8	0	5.8	98.1	17.4	0	115.5	0
Poland †	508.8	487.2	0	0	0	0	487.2			21.6	21.6					0
Portugal	2003.4			1217.7			1217.7			85.6	85.6	75.7	624.4	0	700.0	0
Slovakia †	777.9	175.4	0	0	14.6	573.7	763.8	9.7	4.5	0	14.2					0
Spain	1386.0			561.9			561.9			69.4	69.4			754.7	754.7	0
Tunisia, Sfax region †	1039.2	1006.9	0	0	0	0	1006.9	13.7	18.6	0	32.3					0
Turkey	993.5	679.6	13.1	3.7	0.1	12.8	709.1	14.2	26.2	0	40.4	0	0	244.0	244.0	0
Ukraine *	303.6	161.0	0	0	0	85.4	246.4	3.9	17.9	0	21.9	19.3	15.3	0.8	35.4	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

§ According to other data sources, 4 paediatric patients were treated with KRT (2 HD and 2 Tx) on December 31st 2021

Table C.4.8
Treatment modality distribution, unadjusted
prevalent patients on December 31

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Albania	100	79.4	0	0	0	0	79.4	0	2.3	0	2.3	15.8	2.0	0.4	18.3	0
Belarus *	100	33.5	0	0	0.2	8.3	42.0	0.3	3.0	0	3.3	2.1	52.6	0	54.7	0
Croatia †	100	80.6	0	0	0	12.9	93.5			6.5	6.5					0
Cyprus																
Czech Republic	100	11.9	0.4	0	0	38.9	51.2			2.4	2.4			46.4	46.4	0
Hungary	100	31.1	0	0	0	25.5	56.6			8.0	8.0			35.4	35.4	0
Israel †	100	84.5	0	0	0	7.1	91.6	3.3	5.0	0	8.4					0
Italy (7 of 20 regions)	100	34.7	0.2	3.1	2.0	13.0	53.0	3.8	3.3	0	7.2	4.0	35.9	0	39.8	0
Kosovo * §	100	85.2	0	0	0	0	85.2	0	0	0	0	14.8	0	0	14.8	0
Latvia	100	37.2	0	0	0	0	37.2			9.5	9.5	6.9	46.3	0	53.3	0
Lithuania	100	52.8	0	0	0	0	52.8	1.5	1.0	0	2.4			44.8	44.8	0
North Macedonia	100	84.6	0.1	0	0	0	84.6	0	0.7	0	0.7	12.4	2.2	0	14.6	0
Poland †	100	95.8	0	0	0	0	95.8			4.2	4.2					0
Portugal	100			60.8			60.8			4.3	4.3	3.8	31.2	0	34.9	0
Slovakia †	100	22.6	0	0	1.9	73.8	98.2	1.2	0.6	0	1.8					0
Spain	100			40.5			40.5			5.0	5.0			54.5	54.5	0
Tunisia, Sfax region †	100	96.9	0	0	0	0	96.9	1.3	1.8	0	3.1					0
Turkey	100	68.4	1.3	0.4	0	1.3	71.4	1.4	2.6	0	4.1	0	0	24.6	24.6	0
Ukraine *	100	53.0	0	0	0	28.1	81.2	1.3	5.9	0	7.2	6.4	5.0	0.2	11.6	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

§ According to other data sources, 4 paediatric patients were treated with KRT (2 HD and 2 Tx) on December 31st 2021

Table C.5.1
Kidney transplant counts and percentages by donor type

	All		Living donor						Deceased donor		Donor type Unkn			
	N	%	Related		Unrelated		Type Unkn		All		N	%	N	%
			N	%	N	%	N	%	N	%				
Albania	23	100	23	100	0	0	0	0	23	100	0	0	0	0
Belarus *	298	100	6	2.0	0	0	0	0	6	2.0	292	98.0	0	0
Croatia	124	100					5	4.0	5	4.0	119	96.0	0	0
Cyprus	19	100	10	52.6	0	0	0	0	10	52.6	9	47.4	0	0
Czech Republic	449	100					45	10.0	45	10.0	404	90.0	0	0
Hungary	194	100	34	17.5	0	0	0	0	34	17.5	160	82.5	0	0
Israel	522	100					351	67.2	351	67.2	149	28.5	22	4.2
Italy (7 of 20 regions)	593	100	41	6.9	12	2.0	43	7.3	96	16.2	433	73.0	64	10.8
Kosovo	16	100	11	68.8	5	31.3	0	0	16	100	0	0	0	0
Latvia	28	100	2	7.1	0	0	0	0	2	7.1	26	92.9	0	0
Lithuania	102	100					8	7.8	8	7.8	94	92.2	0	0
North Macedonia	31	100	15	48.4	0	0	0	0	15	48.4	16	51.6	0	0
Poland	770	100					44	5.7	44	5.7	726	94.3	0	0
Portugal	442	100					36	8.1	36	8.1	406	91.9	0	0
Slovakia +	115	100	10	8.7	8	7.0	0	0	18	15.7	97	84.3	0	0
Spain ☐	2950	100	293	9.9	30	1.0	0	0	323	10.9	2627	89.1	0	0
Tunisia, Sfax region	2	100	1	50.0	0	0	0	0	1	50.0	1	50.0	0	0
Turkey	3375	100	2876	85.2	201	6.0	0	0	3077	91.2	298	8.8	0	0
Ukraine *	147	100	48	32.7	1	0.7	0	0	49	33.3	98	66.7	0	0

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

+ Data from: National Transplant Organization (NTO)

☐ Data from: Organización Nacional de Trasplantes (ONT)

Table C.5.2
Kidney transplants per million population by donor type, unadjusted

	All	Living donor			Deceased donor	Donor type Unkn
		Related	Unrelated	Type Unkn	All	
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	8.3	8.3	0	0	8.3	0
Belarus *	32.2	0.6	0	0	0.6	31.5
Croatia	37.5			1.5	1.5	36.0
Cyprus	21.0	11.1	0	0	11.1	9.9
Czech Republic	43.6			4.4	4.4	39.2
Hungary	19.9	3.5	0	0	3.5	16.4
Israel	55.7			37.5	37.5	15.9
Italy (7 of 20 regions)	28.7	2.0	0.6	2.1	4.6	21.0
Kosovo	9.5	6.5	3.0	0	9.5	0
Latvia	16.4	1.2	0	0	1.2	15.3
Lithuania	36.3			2.8	2.8	33.4
North Macedonia	15.0	7.3	0	0	7.3	7.7
Poland	20.2			1.2	1.2	19.0
Portugal	42.7			3.5	3.5	39.2
Slovakia +	25.8	2.2	1.8	0	4.0	21.8
Spain ☐	62.3	6.2	0.6	0	6.8	55.4
Tunisia, Sfax region	2.0	1.0	0	0	1.0	1.0
Turkey	39.9	34.0	2.4	0	36.3	3.5
Ukraine *	5.5	1.8	0	0	1.8	3.7

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

+ Data from: National Transplant Organization (NTO)

☐ Data from: Organización Nacional de Trasplantes (ONT)

Section D: Paediatric data reference tables

Section D: Paediatric data reference tables

The incidence and prevalence of KRT in paediatric patients are based on data from 28 registries from 17 countries that provided individual patient data on children to the ERA Registry, including Austria, Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Montenegro, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Canary Islands), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (La Rioja), Spain (Murcia), Spain (Valencian Region), Sweden, Switzerland, the Netherlands, and United Kingdom (England, Northern Ireland and Wales). In the analyses the data collected between 2016 and 2021 were used. Since not all countries provided data or had full coverage over the entire period and to allow for comparison across years, data are shown both including and excluding the data from Austria, Montenegro, Romania, Serbia, Spain (La Rioja), Switzerland, the Netherlands, and United Kingdom (England, Northern Ireland and Wales). The methods applied to the paediatric patient data were similar to those applied to the adult patient data and are described in the Methods section. However, as not all regions in Spain had specialized paediatric centres, non-residents were also included in the incidence and prevalence.

D1 GENERAL POPULATION AGE DISTRIBUTION

Table D.1.1
Population covered (in thousands)
by age and cohort

Cohort	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
2016	33518	7997	8694	8485	8341
2017	33448	7872	8638	8550	8388
2018	33428	7764	8570	8642	8452
2019	33469	7662	8486	8764	8557
2020	33393	7516	8387	8849	8641
2021	33163	7340	8260	8870	8693
2016 *	40186	9564	10312	10188	10123
2017 *	44027	10376	11229	11239	11183
2018 *	44058	10307	11159	11338	11254
2019 *	44140	10228	11068	11480	11364
2020 *	43902	10052	10921	11526	11403
2021 *	43871	9904	10862	11611	11495
2016-2021 *	260184	60429	65551	67382	66821

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years), Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020, and 95% in 2021), Spain (La Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 94% for incidence and 96% for prevalence in 2016, 93% for incidence and 97% for prevalence in 2017, 93% for incidence in 2018 and 2019 and 96% for prevalence in 2018, 2019, 2020, and 2021, and 94% for the incidence in 2020, and 92% for incidence in 2021)

D2 INCIDENT PATIENTS ACCEPTED FOR KRT, AT DAY 1

Table D.2.1
Incident counts by age and cohort
at day 1

Cohort	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
2016-2017	930	197	139	214	380
2018-2019	854	182	117	200	355
2020-2021	848	157	119	205	367
2016-2017 *	1054	224	152	247	431
2018-2019 *	1023	203	138	238	444
2020-2021 *	1021	187	150	241	443
2016-2021 *	3098	614	440	726	1318

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 94% in 2016, 93% in 2017-2019, 94% in 2020, and 92% in 2021)

Table D.2.2
Incident counts by age, treatment modality, and cohort
at day 1

Cohort	All			0-4			5-9			10-14			15-19		
	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2016-2017	445	248	230	76	98	23	62	30	44	87	55	71	220	65	92
2018-2019	393	257	190	55	96	27	45	32	37	101	59	38	192	70	88
2020-2021	406	258	184	52	85	20	55	32	32	72	70	63	227	71	69
2016-2017 *	507	267	273	88	106	30	64	34	51	105	58	83	250	69	109
2018-2019 *	494	286	229	61	108	30	57	36	42	128	64	44	248	78	113
2020-2021 *	495	311	214	59	103	25	65	49	36	92	79	70	279	80	83
2016-2021 *	1496	864	716	208	317	85	186	119	129	325	201	197	777	227	305

For 22 patients information on treatment modality at start was unavailable

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 94% in 2016, 93% in 2017-2019, 94% in 2020, and 92% in 2021)

Table D.2.3
Incident counts by age and primary renal disease
between 2016 and 2021, at day 1

	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	943	222	158	236	327
Glomerulonephritis	532	97	64	98	273
Cystic kidney disease	310	74	53	102	81
Hereditary Nephropathy	283	76	36	44	127
Ischaemic Renal Failure	58	15	6	14	23
HUS	83	23	22	19	19
Metabolic disorders	57	10	7	18	22
Vasculitis	89	1	9	15	65
Miscellaneous	247	48	19	44	136
Missing, unknown	495	48	66	136	245

Abbreviations used: CAKUT: congenital anomalies of the kidney and urinary tract; HUS: haemolytic uraemic syndrome

Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 94% in 2016, 93% in 2017-2019, 94% in 2020, and 92% in 2021)

D2 INCIDENT PATIENTS ACCEPTED FOR KRT, AT DAY 1

Table D.2.4

Incidence per million age-related population by age and cohort

at day 1

Cohort	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
2016-2017	13.9	12.4	8.0	12.6	22.7
2018-2019	12.8	11.8	6.9	11.5	20.9
2020-2021	12.7	10.6	7.1	11.6	21.2
2016-2017 *	12.5	11.2	7.1	11.5	20.2
2018-2019 *	11.6	9.9	6.2	10.4	19.6
2020-2021 *	11.6	9.4	6.9	10.4	19.3
2016-2021 *	11.9	10.2	6.7	10.8	19.7

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 94% in 2016, 93% in 2017-2019, 94% in 2020, and 92% in 2021)

Table D.2.5

Incidence per million age-related population by age, treatment modality, and cohort

at day 1

Cohort	All			0-4			5-9			10-14			15-19		
	HD	PD	Tx												
	Pmarp														
2016-2017	6.6	3.7	3.4	4.8	6.2	1.4	3.6	1.7	2.5	5.1	3.2	4.2	13.2	3.9	5.5
2018-2019	5.9	3.8	2.8	3.6	6.2	1.8	2.6	1.9	2.2	5.8	3.4	2.2	11.3	4.1	5.2
2020-2021	6.1	3.9	2.8	3.5	5.7	1.3	3.3	1.9	1.9	4.1	4.0	3.6	13.1	4.1	4.0
2016-2017 *	6.0	3.2	3.2	4.4	5.3	1.5	3.0	1.6	2.4	4.9	2.7	3.9	11.7	3.2	5.1
2018-2019 *	5.6	3.2	2.6	3.0	5.3	1.5	2.6	1.6	1.9	5.6	2.8	1.9	11.0	3.4	5.0
2020-2021 *	5.6	3.5	2.4	3.0	5.2	1.3	3.0	2.2	1.7	4.0	3.4	3.0	12.2	3.5	3.6
2016-2021 *	5.7	3.3	2.8	3.4	5.2	1.4	2.8	1.8	2.0	4.8	3.0	2.9	11.6	3.4	4.6

For 22 patients information on treatment modality at start was unavailable

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 94% in 2016, 93% in 2017-2019, 94% in 2020, and 92% in 2021)

Table D.2.6

Incidence per million age-related population by age and primary renal disease

between 2016 and 2021, at day 1

	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	3.6	3.7	2.4	3.5	4.9
Glomerulonephritis	2.0	1.6	1.0	1.5	4.1
Cystic kidney disease	1.2	1.2	0.8	1.5	1.2
Hereditary Nephropathy	1.1	1.3	0.5	0.7	1.9
Ischaemic Renal Failure	0.2	0.2	0.1	0.2	0.3
HUS	0.3	0.4	0.3	0.3	0.3
Metabolic disorders	0.2	0.2	0.1	0.3	0.3
Vasculitis	0.3	0.0	0.1	0.2	1.0
Miscellaneous	0.9	0.8	0.3	0.7	2.0
Missing, unknown	1.9	0.8	1.0	2.0	3.7

Abbreviations used: CAKUT: congenital anomalies of the kidney and urinary tract; HUS: haemolytic uraemic syndrome

Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 94% in 2016, 93% in 2017-2019, 94% in 2020, and 92% in 2021)

D3 PREVALENT PATIENTS ON KRT

Table D.3.1
Prevalent counts by age and cohort
prevalent patients on December 31

Cohort	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
2016	3252	279	589	927	1457
2017	3313	268	598	921	1526
2018	3325	285	581	937	1522
2019	3347	260	593	934	1560
2020	3379	234	594	961	1590
2021	3332	233	547	986	1566
2016 *	3647	308	678	1018	1643
2017 *	3811	302	685	1048	1776
2018 *	3818	323	663	1069	1763
2019 *	3822	288	664	1087	1783
2020 *	3864	262	662	1115	1825
2021 *	3911	278	635	1165	1833

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 96% in 2016, 97% 2017, 96% in 2018-2021)

Table D.3.2
Prevalent counts by age, treatment modality, and cohort
prevalent patients on December 31

Cohort	All			0-4			5-9			10-14			15-19		
	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2016	419	249	2536	68	95	112	64	36	484	90	60	760	197	58	1180
2017	440	252	2576	65	91	110	65	42	487	94	52	767	216	67	1212
2018	419	266	2597	55	102	125	58	41	480	100	57	771	206	66	1221
2019	436	258	2623	54	88	117	64	46	480	103	59	767	215	65	1259
2020	455	267	2634	53	77	103	64	47	483	97	60	795	241	83	1253
2021	431	257	2628	48	77	108	67	38	441	83	61	838	233	81	1241
2016 *	463	273	2862	76	102	126	71	43	559	99	63	839	217	65	1338
2017 *	548	293	2924	74	98	128	74	50	557	124	59	857	276	86	1382
2018 *	538	309	2927	61	113	146	72	50	539	133	67	860	272	79	1382
2019 *	551	295	2946	60	97	130	75	49	537	140	73	869	276	76	1410
2020 *	574	308	2959	58	86	117	75	54	533	131	71	904	310	97	1405
2021 *	546	325	3023	58	96	124	81	54	499	112	73	976	295	102	1424

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 96% in 2016, 97% 2017, 96% in 2018-2021)

Table D.3.3
Prevalent counts by age and primary renal disease
prevalent patients on December 31, 2021

	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	1442	96	256	448	642
Glomerulonephritis	515	32	94	131	258
Cystic kidney disease	462	44	62	139	217
Hereditary Nephropathy	386	33	86	112	155
Ischaemic Renal Failure	85	5	16	28	36
HUS	118	5	20	41	52
Metabolic disorders	99	10	11	30	48
Vasculitis	53	0	5	10	38
Miscellaneous	295	22	44	76	153
Missing, unknown	456	31	41	150	234

Abbreviations used: CAKUT: congenital anomalies of the kidney and urinary tract; HUS: haemolytic uraemic syndrome
Including data from all countries, also those with incomplete coverage

D3 PREVALENT PATIENTS ON KRT

Table D.3.4
Prevalence per million age-related population by age and cohort
prevalent patients on December 31

Cohort	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
2016	97.0	34.9	67.7	109.3	174.7
2017	99.0	34.0	69.2	107.7	181.9
2018	99.5	36.7	67.8	108.4	180.1
2019	100.0	33.9	69.9	106.6	182.3
2020	101.2	31.1	70.8	108.6	184.0
2021	100.5	31.7	66.2	111.2	180.1
2016 *	90.6	32.1	65.6	99.7	162.0
2017 *	86.3	29.0	60.8	92.9	158.2
2018 *	86.4	31.3	59.3	94.0	156.2
2019 *	86.4	28.1	59.8	94.5	156.5
2020 *	87.9	26.0	60.5	96.6	159.8
2021 *	88.8	28.0	58.3	100.0	158.9

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 96% in 2016, 97% 2017, 96% in 2018-2021)

Table D.3.5
Prevalence per million age-related population by age, treatment modality, and cohort
prevalent patients on December 31

Cohort	All			0-4			5-9			10-14			15-19		
	HD	PD	Tx												
	Pmarp														
2016	12.5	7.4	75.7	8.5	11.9	14.0	7.4	4.1	55.7	10.6	7.1	89.6	23.6	7.0	141.5
2017	13.2	7.5	77.0	8.3	11.6	14.0	7.5	4.9	56.4	11.0	6.1	89.7	25.8	8.0	144.5
2018	12.5	8.0	77.7	7.1	13.1	16.1	6.8	4.8	56.0	11.6	6.6	89.2	24.4	7.8	144.5
2019	13.0	7.7	78.4	7.0	11.5	15.3	7.5	5.4	56.6	11.8	6.7	87.5	25.1	7.6	147.1
2020	13.6	8.0	78.9	7.1	10.2	13.7	7.6	5.6	57.6	11.0	6.8	89.8	27.9	9.6	145.0
2021	13.0	7.7	79.2	6.5	10.5	14.7	8.1	4.6	53.4	9.4	6.9	94.5	26.8	9.3	142.8
2016 *	11.5	6.8	71.1	7.9	10.6	13.2	6.9	4.2	54.1	9.7	6.2	82.2	21.4	6.4	131.9
2017 *	12.4	6.6	66.2	7.1	9.4	12.3	6.6	4.4	49.4	11.0	5.2	76.0	24.6	7.7	123.1
2018 *	12.2	7.0	66.3	5.9	10.9	14.1	6.4	4.5	48.2	11.7	5.9	75.7	24.1	7.0	122.5
2019 *	12.5	6.7	66.6	5.9	9.5	12.7	6.8	4.4	48.4	12.2	6.3	75.5	24.2	6.7	123.7
2020 *	13.1	7.0	67.3	5.8	8.5	11.6	6.9	4.9	48.7	11.3	6.1	78.3	27.1	8.5	123.0
2021 *	12.4	7.4	68.7	5.8	9.7	12.5	7.4	5.0	45.8	9.6	6.3	83.8	25.6	8.8	123.4

* Additionally including data from Austria (coverage 99% in 2020-2021 and 100% for all other years) Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020, and 100% in 2021), Serbia (coverage 100% in 2016, 97% in 2017, 90% in 2018-2020, and 95% in 2021), Spain (la Rioja) since 2019, Switzerland (coverage 97.1% in 2021 and 100% in all other years), and the Netherlands (coverage 96% in 2016, 97% 2017, 96% in 2018-2021)

Table D.3.6
Prevalence per million age-related population by age and primary renal disease
prevalent patients on December 31, 2021

	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	32.8	9.7	23.5	38.5	55.7
Glomerulonephritis	11.7	3.2	8.6	11.2	22.4
Cystic kidney disease	10.5	4.4	5.7	11.9	18.8
Hereditary Nephropathy	8.8	3.3	7.9	9.6	13.4
Ischaemic Renal Failure	1.9	0.5	1.5	2.4	3.1
HUS	2.7	0.5	1.8	3.5	4.5
Metabolic disorders	2.2	1.0	1.0	2.6	4.2
Vasculitis	1.2	0.0	0.5	0.9	3.3
Miscellaneous	6.7	2.2	4.0	6.5	13.3
Missing, unknown	10.4	3.1	3.8	12.9	20.3

Abbreviations used: CAKUT: congenital anomalies of the kidney and urinary tract; HUS: haemolytic uraemic syndrome
Including data from all countries, also those with incomplete coverage

Methods

VI Methods

The ERA Registry is located at the Department of Medical Informatics in the Amsterdam University Medical Centers, location Academic Medical Center in Amsterdam, the Netherlands. This department hosts several clinical registries which share an ISO 9001:2015 certified quality management system with standard operating procedures for data collection, data storage, data analysis, and the production of the annual report. In addition, the clinical registries share an ISO 27001 certified information security management system, including procedures to ensure a lasting level of information security and data protection.

Data collection and preparation

Individual patient data

General Data Protection Regulation (GDPR)

All registries participating with individual patient data in this annual report have signed a Data Transfer Agreement with the AMC Medical Research B.V., where the ERA Registry is located.

Data collection

On an annual basis data sets containing individual patient data are uploaded to the ERA Registry office in Amsterdam. Supported file formats for data delivery include Microsoft Access, Microsoft Excel, SPSS, SAS, and delimited text files. Collaborating registries upload their data via a secure data upload portal.

Variables

The ERA Registry asks national and regional registries for the data shown in Table 1.

Table 1: Variables collected for individual patients

Patient data	Transaction data
Patient identifier	Patient identifier
Country of registry	Date of event
Month and year of birth	Type of event / treatment
Sex	Cause of death
Primary Renal Disease	Treatment centre
Date of first KRT	Source registry
	Destination registry

Collaborating registries and participating countries

Individual patient data from 35 national and regional registries in 18 countries were used to create the tables in Section B of this annual report.

Registry data are subject to continuous alteration and improvement. Small differences between ERA Registry data and the data presented in the national and regional registry's own annual reports may result from different times of data extraction.

The data on France presented in Section B of this report, are based on one dataset containing data from 26 of 27 regions, including Alsace, Aquitaine, Auvergne, Basse Normandie, Bourgogne, Bretagne, Centre, Champagne-Ardenne, Corse, Franche-Comté, Haute Normandie, Île-de-France, Languedoc Roussillon, Limousin, Lorraine, Midi-Pyrénées, Nord-Pas de Calais, Pays de la Loire, Picardie, Poitou-Charentes, Provence-Alpes-Côte d'Azur, Rhône-Alpes and the overseas departments of French Guiana, Mayotte, Martinique and Réunion.

Differences between collaborating registries

Definitions and collection of data

In the comparison of data between registries it should be recognized that there may be small differences between registries in definitions and in the collection of their data. For example, the different registries do not collect data at the same level of detail, especially with regard to the various subtypes of treatment modalities.

Patient population

The data from Belgium (Dutch-speaking), Belgium (French-speaking), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha) and Spain (Navarre) is comprised of patients older than 20 years of age. It has been estimated that the inclusion of data on children would add approximately 2 per million population (Pmp) to the incidence rate and about 13 Pmp to the prevalence.

For the calculation of the incidence of those alive and on KRT on day 91, registries were asked to provide data with follow-up until 31st March 2022. For the following registries data were only available until 31st December 2021: Estonia, France, Montenegro, Spain (Castile and León), Spain (Catalonia), Switzerland and the United Kingdom (England, Wales and Northern Ireland). For these registries the incidence on day 91 was estimated as explained in the paragraph on statistical analyses.

Data loading and cleaning

The data from the registries were imported using an in-house developed import utility. This program first uniformes the data and then translates any non-standard codes. Consistency checks were performed, and thereafter the data were converted to the desired format in order to make the storage of the data in the ERA Registry database possible. The new data, provided by the national and regional registries, replaced all existing data in the database. In this way changes in the data sets made by the national and regional registries were also adopted by the ERA Registry.

After data analysis, the results were checked by the national and regional registries. In the case of discrepancies potential problems regarding (the interpretation of) the data set were solved. Thereafter, more detailed reports were produced which needed approval from the registry representative before publication in this ERA Registry Annual Report.

ERA Registry database

Microsoft SQL Server (a database management system) was used to manage the ERA Registry database. This relational and event-driven database consists of a patient and a transaction table which can be extended according to future needs.

General population data

Midyear population data of the contributing countries were provided by Eurostat [1] or the national bureau of statistics. The sources of the population data used for the analyses in Section B are shown in Table 2. For countries and regions where the coverage of the general population was lower than 100%, population data were adjusted for this lower coverage where applicable.

Reference population

In this year's Annual Report, the age and sex distribution of the EU28 of 2015 as provided by Eurostat [1] was used for the adjustment of the incidence and prevalence for age and sex. The age and sex distribution of EU28 in 2015 is shown in Table 3.

Table 2: Sources of the general population data for the national and regional registries participating with individual patient data in Section B

Registry	Sources of general population data of 2021
Austria	www.statistik.at
Belgium, Dutch-speaking	www.ec.europa.eu/eurostat
Belgium, French-speaking	www.ec.europa.eu/eurostat
Bosnia and Herzegovina	www.popis2013.ba
Denmark	www.ec.europa.eu/eurostat
Greenland	www.stat.gl
Estonia	www.ec.europa.eu/eurostat
Finland	www.ec.europa.eu/eurostat
France	www.ec.europa.eu/eurostat
Greece	www.ec.europa.eu/eurostat
Iceland	www.ec.europa.eu/eurostat
Montenegro	www.ec.europa.eu/eurostat
Norway	www.ec.europa.eu/eurostat
Romania	www.ec.europa.eu/eurostat
Serbia	www.ec.europa.eu/eurostat
Spain, Andalusia	www.ine.es
Spain, Aragon	www.ine.es
Spain, Asturias	www.ine.es
Spain, Basque country	www.ine.es
Spain, Canary Islands	www.ine.es
Spain, Cantabria	www.ine.es
Spain, Castile and León	www.ine.es
Spain, Castile-La Mancha	www.ine.es
Spain, Catalonia	www.ine.es
Spain, Community of Madrid	www.ine.es
Spain, Extremadura	www.ine.es
Spain, Galicia	www.ine.es
Spain, La Rioja	www.ine.es
Spain, Murcia	www.ine.es
Spain, Navarre	www.ine.es
Spain, Valencian Region	www.ine.es
Sweden	www.ec.europa.eu/eurostat
Switzerland	www.ec.europa.eu/eurostat
the Netherlands	www.ec.europa.eu/eurostat
United Kingdom, England/Northern Ireland/Wales	www.ons.gov.uk
United Kingdom, Scotland	www.ons.gov.uk

Table 3: The age and sex distribution of the reference population EU28 (2015)

Age groups	All	Male	Female
	N	N	N
0-4	26.080.215	13.376.223	12.703.992
5-9	27.002.227	13.850.526	13.151.701
10-14	26.227.134	13.452.249	12.774.885
15-19	27.066.270	13.899.601	13.166.669
20-24	29.807.980	15.216.810	14.591.170
25-29	32.114.517	16.237.856	15.876.661
30-34	33.691.738	16.937.719	16.754.019
35-39	34.895.079	17.541.655	17.353.424
40-44	36.308.691	18.206.486	18.102.205
45-49	37.694.663	18.841.293	18.853.370
50-54	36.604.020	18.149.554	18.454.466
55-59	33.996.743	16.626.202	17.370.541
60-64	31.045.915	14.911.173	16.134.742
65-69	27.676.825	13.064.797	14.612.028
70-74	22.290.449	10.167.747	12.122.702
75-79	19.271.582	8.274.167	10.997.415
80-84	14.094.690	5.520.132	8.574.558
85+	12.671.365	3.958.804	8.712.561
Total	508.540.103	248.232.994	260.307.109

Aggregated data

Data collection

Section C relates to national and regional registries providing the ERA Registry with aggregated data. Data were provided via a Microsoft Excel template and imported for inclusion in this annual report.

Collaborating registries

Aggregated data from 19 national and regional registries were used for the preparation of the tables in Section C. The following countries participated in Section C of this year's annual report: Albania, Belarus, Croatia, Cyprus, Czech Republic, Hungary, Israel, Italy, Kosovo*, Latvia, Lithuania, North Macedonia, Poland, Portugal, Slovakia, Spain, Tunisia, Turkey and Ukraine.

Data from Italy are based on the regions Emilia-Romagna, Liguria, Marche, Piedmont, Puglia and Veneto, and the province Trentino.

Data loading and cleaning

The Microsoft Excel template used for data collection includes automated consistency checks. Additional checks were performed manually and data were compared with previous reports. In case of inconsistencies potential problems regarding (the interpretation of) the data set were solved together with the collaborating registry.

General population data

The population data needed for the calculation of incidence and prevalence Pmp were reported by the collaborating registries. If the coverage of the general population in a country by the registry was lower than 100%, population counts were adjusted for this where applicable.

Reference population

As in Section B, we used the age and sex distribution of the EU28 of 2015 (see Table 3) as provided by Eurostat [1] for the adjustment of incidence rates and prevalence.

Coding systems

Primary renal disease

Renal diseases were defined according to both the old and new (2018) ERA coding systems and subsequently classified into groups (Appendix 1 and 2). When the 2018 PRD codes were provided, they were categorized into the old PRD groups, which resulted in a somewhat different distribution of the PRD groups.

Causes of death

Causes of death were defined according to the ERA coding systems and subsequently classified into groups (Appendix 3).

Event type codes

Appendix 4 provides an overview of the coding currently used for event type codes in the ERA database.

Statistical analyses

An overview of the renal registries contributing data for the different types of analyses is given in Appendix 5. For the data analyses SAS 9.4 [2] was used. This statistical software package is able to maintain large datasets, is syntax driven which increases reproducibility of results, and has extensive capabilities with regard to statistics and data management.

Summary section

The tables and figures in the summary section are based on data both from registries providing individual patient data and registries providing aggregated data. Summary statistics were calculated for all registries providing individual patient data, for all registries providing aggregated data and for all registries combined. Where possible these summary statistics were calculated as the sum of the individual values. In all other cases summary statistics were calculated as weighted averages. The weights were dependent on the denominator (i.e. the population size for Pmp values and the total incident count or prevalent count for percentages) and were calculated as the contribution of the registry to the total of the registries.

Individual patient data

Incidence and prevalence

Methods for calculating incidence and prevalence

The incidence and the prevalence of those alive and on KRT were calculated for the total population and for subgroups based on sex, age group, treatment modality, and primary renal disease. The incidence or prevalence Pmp is the observed incident or prevalent count divided by the general population in that year and multiplied by one million. For the incidence or prevalence per million age-related population (Pmarp) the observed incident or prevalent count per age category was divided by the general population in that age category and multiplied by one million.

For those registries that had no data available with a follow-up until March 31st, 2022, the incidence of KRT on day 91 was estimated. We assumed that the relative difference between the incidence on day 1 and the incidence on day 91 was similar for patients who started KRT in the first nine months of 2021, when compared to patients who started KRT in the last three months of 2021.

For the calculation of the mean and median age for incident patients on day 91, we used the actual age on day 91.

Adjustment of incidence and prevalence

Differences in the unadjusted incidence and prevalence across countries might be due to the differences in the age and sex distribution of the general population. The EU28 age and sex distribution of the European population (Table 3) was therefore used to adjust incidence and prevalence for age and sex [1]. Adjusted rates were derived by applying the weights of the reference population to the observed variable-specific rates (e.g. incidence rate per age group) in a country. This weighted average provides a single summary rate for each country that would be expected if that country had the age and sex distribution of the reference population. The following example shows how to calculate the age-adjusted incidence rate. In this example the incidence rate of country A is 269 Pmp, the age-specific rates of country A and the reference population distribution with respect to age are shown in Table 4.

Table 4: Calculation of the adjusted incidence rate

Age groups	Incidence rate country A	Reference population
	Pmp	%
0-19	332	31.7
20-44	261	39.3
45-64	64	29.0
Total	269	100

The adjusted incident rate of country A is: $(0.317 * 332) + (0.393 * 261) + (0.29 * 64) = 226$ Pmp

Performed kidney transplants

For all participating countries and regions the number of kidney transplants performed during the year was presented by donor type. In Iceland the number of transplants was somewhat lower, because several patients received transplants in other countries. Rates are expressed as numbers, percentages and Pmp.

Survival probability

In this annual report, patient survival on KRT, patient survival on dialysis, patient survival after the first transplant, and graft survival after the first transplant are presented in tables by age, sex and primary renal disease. In addition, patient survival is presented in figures by primary renal disease and by treatment modality. Survival probabilities are presented as percentages from 0 to 100.

For this report the survival analyses were based on data from registries that provided individual patients data for a sufficiently long follow-up period, including Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England/Wales/ Northern Ireland) and United Kingdom (Scotland). The differences between the survival probabilities in this annual report and survival probabilities published in earlier annual reports of the ERA Registry may be partly due to differences in participating countries.

Survival was analysed from day 1 and from day 91 onwards for those patients alive and on KRT on those days. For the analysis of survival data two five-year cohorts were used:

- 2012-2016 - for the presentation of 90-day, one-, two- and five-year survival probabilities.
- 2015-2019 - for the presentation of 90-day, one- and two-year survival probabilities.

31st December 2021 was applied as censoring date for all survival analyses. Only for the United Kingdom (Scotland) 31st December 2019 was applied as censoring date. For the different types of survival analysis the events and reasons for censoring were defined as shown in Table 5.

Table 5: Overview of the events and reasons for censoring as defined for the survival analyses in Section B

Survival type	Event	Censoring
Patients on kidney replacement therapy	Death of patient	Recovery of renal function * Loss to follow-up End of follow-up time
Patients on dialysis		
1)	Death of patient	Transplantation Recovery of renal function * Loss to follow-up End of follow-up time
2)	Death of patient	Recovery of renal function * Loss to follow-up End of follow-up time
First transplant recipients	Death of patient	Loss to follow-up End of follow-up time
First graft	Death of patient Graft failure Re-transplantation	Loss to follow-up End of follow-up time

* This was only considered as a censored observation when a patient's renal function had recovered for a period of more than 30 days.

Unadjusted survival probabilities

Unadjusted survival probabilities were calculated using the Kaplan-Meier method.

Adjusted survival probabilities

The Cox regression model was used to calculate survival probabilities while accounting for confounders [3]. Survival probabilities were adjusted for age, sex and primary renal disease. As the KRT population changes over time, the survival models are adjusted for fixed values for age, sex and PRD to make the results comparable across time periods. The fixed values of variables used for the survival tables are shown in Table 6.

Patients for whom age, sex, or primary renal disease was missing were excluded.

Table 6: Overview of the variables used to adjust the survival probabilities in Section B

Survival type	Age	Sex	Renal disease
Patients on kidney replacement therapy	67 years	63% male	24% Diabetes 19% Hypertension / renal vascular disease 11% Glomerulonephritis 46% Other causes
Patients on dialysis	67 years	63% male	24% Diabetes 19% Hypertension / renal vascular disease 11% Glomerulonephritis 46% Other causes
First transplant recipients (deceased donor)	50 years	63% male	14% Diabetes 10% Hypertension / renal vascular disease 23% Glomerulonephritis 53% Other causes
First transplant recipients (living donor)	50 years	63% male	14% Diabetes 10% Hypertension / renal vascular disease 23% Glomerulonephritis 53% Other causes

Confidence intervals

When survival probabilities were calculated using the Kaplan-Meier method or Cox regression method, the corresponding confidence intervals were calculated according to Bie et al. [4], using the standard error.

Expected remaining lifetimes

Expected remaining lifetimes represent the average number of years of life remaining for those who have reached a given age. In this annual report, expected remaining lifetimes were calculated for patients receiving KRT and for the general population. For the calculation of expected remaining lifetimes of both groups, we adopted the methodology used by the United States Renal Data System (USRDS)[5].

In order to calculate expected remaining lifetimes we used data from registries providing complete follow-up data for the period from 2017 to 2021. The data of the following national or regional registries from 12 countries were included for this analysis: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque Country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (Navarre), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England, Northern Ireland and Wales), and United Kingdom (Scotland). With regard to the inclusion of the data, it should be noted that the differences between the expected remaining lifetimes of this annual report and expected remaining lifetimes published in earlier annual reports of the ERA Registry may be partly due to differences in participating countries.

KRT population

The expected remaining lifetimes for KRT patients are presented by age, sex and treatment modality. The expected remaining lifetime for a certain patient group is the average of the remaining life expectancies for the patients in that group. Although this cannot be known until all the patients in the group have died, the expected remaining lifetime can be projected by assuming that patients in the patient group will die at the same rates as those observed among older groups of recent prevalent KRT patients.

General population

The number of deaths Pmp by sex and age of the general population of the contributing countries were provided by Eurostat [1]. The size of the contribution of each country to the general population that was used to calculate expected remaining lifetimes was in proportion to the size of the general population covered by its renal registry.

Aggregated data

Incidence and prevalence counts were provided by the contributing registries. To increase the consistency of the data, general explanations of how to complete the Microsoft Excel template and how the adjusted incidence and prevalence were calculated were provided to support the participating registries.

Paediatric Section

The incidence and prevalence tables in Section D of this annual report were based on data from 28 national or regional registries from 17 countries that provided complete individual patient data in their paediatric population for 2016 to 2021, including Austria, Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Montenegro, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Canary Islands), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (La Rioja), Spain (Murcia), Spain (Valencian Region), Sweden, Switzerland, the Netherlands, and United Kingdom (England, Northern Ireland and Wales). Since not all countries provided data or had full coverage over the entire period, and to allow for comparison across years, data are shown both including and excluding the data from these countries. The years for which data was available and/or the coverage are indicated below the tables.

Furthermore, as not every region in Spain had a specialised paediatric centre, paediatric patients could be treated in other regions than their resident region. This would result in an underestimation of the incidence and prevalence in these regions. To allow for this, non-resident paediatric patients were not excluded from the paediatric tables.

Incidence (on day 1) and prevalence on KRT were calculated for subgroups based on age, treatment modality, and primary renal disease. Incidence on KRT by 2-year cohorts was presented for paediatric patients who started KRT between 2016 and 2021. The incidence rate on KRT (P_{marp}) was the observed incident count in that particular time period divided by the age-related general population in that time period (for example the total population in 2019 plus the total population in 2020) multiplied by one million. The grouping of primary renal disease codes for the paediatric population is described in Table 7 as it differs from the grouping in the adult population.

Table 7: Grouping of primary renal diseases for paediatric patients in Section D
Groups and codes included

Primary renal disease group	Primary renal disease code (see appendix 1)
Congenital anomalies of the kidney and urinary tract (CAKUT)	20, 21, 22, 23, 24, 25, 29, 60, 61, 63, and 66
Glomerulonephritis	10, 11, 12, 13, 14, 15, 16, 17, 19, and 86
Cystic kidney disease	40, 41, 42, 43, and 49
Hereditary nephropathy	50, 51, and 59
Ischaemic renal failure	90
Haemolytic uraemic syndrome (HUS)	88
Metabolic disorders	52, 53, 54, 92, and 93
Vasculitis	73, 74, 84, 85, and 87
Miscellaneous	30, 31, 32, 33, 34, 39, 70, 71, 72, 75, 76, 78, 79, 80, 81, 82, 83, 89, 91, 94, 95, 96, and 99
Missing, unknown	missing and 00

The prevalence on KRT was presented on 31st December of each year from 2016 to 2021. The prevalence on KRT by primary renal disease was calculated for patients prevalent on 31st December, 2021.

Bibliography

- 1) Eurostat: www.ec.europa.eu/eurostat/data/database.
- 2) SAS Institute Inc., Cary, NC, USA.
- 3) Altman, D. Practical statistics for medical research. second ed. 1999, London: Chapman & Hall.
- 4) Bie O, Borgan O and Liestol K. Confidence intervals and confidence bands for the cumulative hazard rate function and their small sample properties. Scandinavian Journal of Statistics 1987; 14: 221-233.
- 5) U.S. Renal Data System, USRDS 2012 Annual Data Report: Atlas of End-Stage Renal Disease in the United States, National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD, 2012.

Appendices

Appendix 1 - Grouping of primary renal diseases

1994 code	1995 code	PRD group	Primary renal disease
10	10	I	Glomerulonephritis; histologically NOT examined
11	11	I	Focal segmental glomerulosclerosis with nephrotic syndrome in children
12	12	I	IgA nephropathy (proven by immunofluorescence, not code 76 or 85)
13	13	I	Dense deposit disease; membrano-proliferative GN; type II (proven by immunofluorescence / electron microscopy)
14	14	I	Membranous nephropathy
15	15	I	Membrano-proliferative GN; type I (proven by immunofluorescence / electron microscopy, not code 84 or 89)
16	16	I	Crescentic (extracapillary) glomerulonephritis (type I, II, III)
17	17	I	Focal segmental glomerulosclerosis with nephrotic syndrome in adults
19	19	I	Glomerulonephritis; histologically examined, not given above
20	20	II	Pyelonephritis; cause not specified
21	21	II	Pyelonephritis associated with neurogenic bladder
22	22	II	Pyelonephritis due to congenital obstructive uropathy with/without vesico-ureteric reflux
23	23	II	Pyelonephritis due to acquired obstructive uropathy
24	24	II	Pyelonephritis due to vesico-ureteric reflux without obstruction
25	25	II	Pyelonephritis due to urolithiasis
29	29	II	Pyelonephritis due to other cause
30	30	VII	Interstitial nephritis (not pyelonephritis) due to other cause, or unspecified (not mentioned above)
31	31	VII	Nephropathy (interstitial) due to analgesic drugs
32	32	VII	Nephropathy (interstitial) due to cis-platinum
33	33	VII	Nephropathy (interstitial) due to cyclosporin A
	34	VII	Lead induced nephropathy (interstitial)
39	39	VII	Drug induced nephropathy (interstitial) not mentioned above
40	40	VII	Cystic kidney disease - type unspecified
41	41	III	Polycystic kidneys; adult type (dominant)
42	42	VII	Polycystic kidneys; infantile (recessive)
43	43	VII	Medullary cystic disease; including nephronophthisis
49	49	VII	Cystic kidney disease - other specified type
50	50	VII	Hereditary / Familial nephropathy - type unspecified
51	51	VII	Hereditary nephritis with nerve deafness (Alport's Syndrome)
52	52	VII	Cystinosis
53	53	VII	Primary oxalosis
54	54	VII	Fabry's disease
59	59	VII	Hereditary nephropathy - other specified type
60	60	VII	Renal hypoplasia (congenital) - type unspecified
61	61	VII	Oligomeganephronic hypoplasia
63	63	VII	Congenital renal dysplasia with or without urinary tract malformation
66	66	VII	Syndrome of agenesis of abdominal muscles (Prune Belly)
70	70	V	Renal vascular disease - type unspecified
71	71	IV	Renal vascular disease due to malignant hypertension
72	72	IV	Renal vascular disease due to hypertension
73	73	VII	Renal vascular disease due to polyarteritis
74	74	VII	Wegener's granulomatosis
	75	VII	Ischaemic renal disease/cholesterol embolism (1998 prd code)
76	76	VII	Glomerulonephritis related to liver cirrhosis
	78	VII	Cryoglobulinaemic glomerulonephritis
79	79	V	Renal vascular disease - due to other cause (not given above and not code 84-88)
80	80	VI	Diabetes glomerulosclerosis or diabetic nephropathy - Type I
81	80	VI	Diabetes glomerulosclerosis or diabetic nephropathy - Type II
82	82	VII	Myelomatosis / light chain deposit disease
83	83	VII	Amyloid
84	84	VII	Lupus erythematosus
85	85	VII	Henoch-Schoenlein purpura
86	86	VII	Goodpasture's Syndrome
87	87	VII	Systemic sclerosis (scleroderma)
88	88	VII	Haemolytic Uraemic Syndrome (including Moschowitz Syndrome)
89	89	VII	Multi-system disease - other (not mentioned above)
90	90	VII	Tubular necrosis (irreversible) or cortical necrosis (different from 88)
91	91	VII	Tuberculosis
92	92	VII	Gout
93	93	VII	Nephrocalcinosis and hypercalcaemic nephropathy
94	94	VII	Balkan nephropathy
95	95	VII	Kidney tumour
96	96	VII	Traumatic or surgical loss of kidney
99	99	VII	Other identified renal disorders
00	00	VIII	Chronic renal failure; aetiology uncertain

PRD group: I: glomerulonephritis / sclerosis; II: pyelonephritis; III: polycystic kidneys, adult type; IV: hypertension; V: renal vascular disease; VI: diabetes; VII: miscellaneous; VIII: unknown

Appendix 2 - Grouping of primary renal disease codes 2018

I: GLOMERULAR DISEASE

Code Primary renal disease

1003	Adult nephrotic syndrome - no histology
1472	Anti-Glomerular basement membrane (GBM) disease / Goodpasture's syndrome - histologically proven
1464	Anti-Glomerular basement membrane (GBM) disease / Goodpasture's syndrome - no histology
1440	Churg-Strauss syndrome - histologically proven
1438	Churg-Strauss syndrome - no histology
1088	Congenital nephrotic syndrome (CNS) - congenital infection
1057	Congenital nephrotic syndrome (CNS) - diffuse mesangial sclerosis
1042	Congenital nephrotic syndrome (CNS) - Finnish type - histologically proven
1035	Congenital nephrotic syndrome (CNS) - Finnish type - no histology
1061	Congenital nephrotic syndrome (CNS) - focal segmental glomerulosclerosis (FSGS)
1026	Congenital nephrotic syndrome (CNS) - no histology
1570	Cryoglobulinaemia secondary to hepatitis C - histologically proven
1562	Cryoglobulinaemia secondary to hepatitis C - no histology
1591	Cryoglobulinaemia secondary to systemic disease - histologically proven
1589	Cryoglobulinaemia secondary to systemic disease - no histology
1074	Denys-Drash syndrome
1331	Diffuse endocapillary glomerulonephritis
1558	Essential mixed cryoglobulinaemia - histologically proven
1543	Essential mixed cryoglobulinaemia - no histology
1308	Familial focal segmental glomerulosclerosis (FSGS) - autosomal dominant - histologically proven
1298	Familial focal segmental glomerulosclerosis (FSGS) - autosomal dominant - no histology
1280	Familial focal segmental glomerulosclerosis (FSGS) - autosomal recessive - histologically proven
1279	Familial focal segmental glomerulosclerosis (FSGS) - autosomal recessive - no histology
1144	Familial IgA nephropathy - histologically proven
1137	Familial IgA nephropathy - no histology
1354	Focal and segmental proliferative glomerulonephritis
3754	Focal segmental glomerulosclerosis (FSGS) secondary to HIV
3765	Focal segmental glomerulosclerosis (FSGS) secondary to lithium
1320	Focal segmental glomerulosclerosis (FSGS) secondary to obesity - histologically proven
1312	Focal segmental glomerulosclerosis (FSGS) secondary to obesity - no histology
3777	Focal segmental glomerulosclerosis (FSGS) secondary to sickle cell
1377	Glomerulonephritis - histologically indeterminate
3749	Glomerulonephritis - no histology
1365	Glomerulonephritis - secondary to systemic disease
1417	Granulomatosis with polyangiitis - histologically proven
1401	Granulomatosis with polyangiitis - no histology
1515	Henoch-Schönlein purpura / nephritis - histologically proven
1504	Henoch-Schönlein purpura / nephritis - no histology
1251	Idiopathic rapidly progressive (crescentic) glomerulonephritis
1128	IgA nephropathy - histologically proven
1116	IgA nephropathy - no histology
1163	IgA nephropathy secondary to liver cirrhosis - histologically proven
1159	IgA nephropathy secondary to liver cirrhosis - no histology
1171	IgM - associated nephropathy
1205	Membranous nephropathy - drug induced
1185	Membranous nephropathy - idiopathic
1214	Membranous nephropathy - infection associated
1192	Membranous nephropathy - malignancy associated
1349	Mesangial proliferative glomerulonephritis
1222	Mesangiocapillary glomerulonephritis type 1
1233	Mesangiocapillary glomerulonephritis type 2 (dense deposit disease)
1246	Mesangiocapillary glomerulonephritis type 3
1429	Microscopic polyangiitis - histologically proven
1100	Minimal change nephropathy - histologically proven
1090	Minimal change nephropathy - no histology
3615	Nephrotic syndrome of childhood - no trial of steroids - no histology
3604	Nephrotic syndrome of childhood - steroid resistant - no histology
1019	Nephrotic syndrome of childhood - steroid sensitive - no histology
1455	Polyarteritis nodosa
1267	Primary focal segmental glomerulosclerosis (FSGS)
1536	Renal scleroderma / systemic sclerosis - histologically proven
1527	Renal scleroderma / systemic sclerosis - no histology
1493	Systemic lupus erythematosus / nephritis - histologically proven
1486	Systemic lupus erythematosus / nephritis - no histology
1383	Systemic vasculitis - ANCA negative - histologically proven
3847	Systemic vasculitis - ANCA negative - no histology
3852	Systemic vasculitis - ANCA positive - histologically proven
1396	Systemic vasculitis - ANCA positive - no histology

II: TUBULOINTERSTITIAL DISEASE**Code Primary renal disease**

1768	Acquired obstructive nephropathy due to neurogenic bladder
1752	Acquired obstructive uropathy / nephropathy
2196	Acute urate nephropathy - histologically proven
2183	Acute urate nephropathy - no histology
1995	Aristolochic acid nephropathy (Balkan / Chinese herb / endemic nephropathy) - histologically proven
1982	Aristolochic acid nephropathy (Balkan / Chinese herb / endemic nephropathy) - no histology
1710	Bladder exstrophy
1845	Calcium oxalate urolithiasis
1832	Calculus nephropathy / urolithiasis
2203	Chronic urate nephropathy - histologically proven
3636	Chronic urate nephropathy - no histology
1625	Congenital dysplasia / hypoplasia
1706	Congenital neurogenic bladder
1660	Congenital pelvi-ureteric junction obstruction
1673	Congenital vesico-ureteric junction obstruction
2005	Drug-induced tubulointerstitial nephritis - no histology
2014	Drug-induced tubulointerstitial nephritis - histologically proven
1850	Enteric hyperoxaluria
1911	Familial interstitial nephropathy - histologically proven
1907	Familial interstitial nephropathy - no histology
1618	Familial reflux nephropathy
1656	Glomerulocystic disease
2257	Hantavirus nephropathy
3662	Hypercalcaemic nephropathy
1813	Idiopathic retroperitoneal fibrosis
2177	Lead induced nephropathy - histologically proven
2165	Lead induced nephropathy - no histology
2242	Leptospirosis
1866	Magnesium ammonium phosphate (struvite) urolithiasis
1723	Megacystis-megaureter
1639	Multicystic dysplastic kidneys
2098	Nephropathy due to aminoglycosides - histologically proven
2080	Nephropathy due to aminoglycosides - no histology
2112	Nephropathy due to amphotericin - histologically proven
2108	Nephropathy due to amphotericin - no histology
2033	Nephropathy due to analgesic drugs - histologically proven
2022	Nephropathy due to analgesic drugs - no histology
2051	Nephropathy due to ciclosporin - histologically proven
2046	Nephropathy due to ciclosporin - no histology
2131	Nephropathy due to cisplatin - histologically proven
2120	Nephropathy due to cisplatin - no histology
2154	Nephropathy due to lithium - histologically proven
2149	Nephropathy due to lithium - no histology
2079	Nephropathy due to tacrolimus - histologically proven
2067	Nephropathy due to tacrolimus - no histology
2288	Nephropathy related to HIV - histologically proven
2274	Nephropathy related to HIV - no histology
1799	Obstructive nephropathy due to bladder cancer
1809	Obstructive nephropathy due to other malignancies
1781	Obstructive nephropathy due to prostate cancer
1775	Obstructive nephropathy due to prostatic hypertrophy
1734	Oligomeganephronia
2300	Other specific infection
1687	Posterior urethral valves
1602	Primary reflux nephropathy - sporadic
2219	Radiation nephritis
2226	Renal / perinephric abscess
3627	Renal cysts and diabetes syndrome
1641	Renal dysplasia due to fetal ACE-inhibitor exposure
1747	Renal papillary necrosis
3796	Renal papillary necrosis caused by analgesics
3783	Renal papillary necrosis caused by diabetes
3806	Renal papillary necrosis caused by sickle cell
1976	Renal sarcoidosis - histologically proven
1969	Renal sarcoidosis - no histology

II: TUBULOINTERSTITIAL DISEASE (continued)**Code Primary renal disease**

2235	Renal tuberculosis
3689	Retroperitoneal fibrosis secondary to drugs
1821	Retroperitoneal fibrosis secondary to malignancies
3670	Retroperitoneal fibrosis secondary to peri-aortitis
2290	Schistosomiasis
1694	Syndrome of agenesis of abdominal muscles - prune belly syndrome
1897	Tubulointerstitial nephritis - histologically proven
1884	Tubulointerstitial nephritis - no histology
1930	Tubulointerstitial nephritis associated with autoimmune disease - histologically proven
1924	Tubulointerstitial nephritis associated with autoimmune disease - no histology
1953	Tubulointerstitial nephritis with uveitis (TINU) - histologically proven
1948	Tubulointerstitial nephritis with uveitis (TINU) - no histology
1878	Uric acid urolithiasis
2261	Xanthogranulomatous pyelonephritis

III: DIABETES MELLITUS**Code Primary renal disease**

2328	Diabetic nephropathy in type I diabetes - histologically proven
2316	Diabetic nephropathy in type I diabetes - no histology
2344	Diabetic nephropathy in type II diabetes - histologically proven
2337	Diabetic nephropathy in type II diabetes - no histology

IV: HYPERTENSION / RENAL VASCULAR DISEASE**Code Primary renal disease**

2392	Ageing kidney - no histology
2448	Atheroembolic renal disease - histologically proven
2430	Atheroembolic renal disease - no histology
2363	Chronic hypertensive nephropathy - histologically proven
2359	Chronic hypertensive nephropathy - no histology
2453	Fibromuscular dysplasia of renal artery
2407	Ischaemic nephropathy - no histology
2411	Ischaemic nephropathy / microvascular disease - histologically proven
2385	Malignant hypertensive nephropathy / accelerated hypertensive nephropathy - histologically proven
2371	Malignant hypertensive nephropathy / accelerated hypertensive nephropathy - no histology
2469	Renal arterial thrombosis / occlusion
2424	Renal artery stenosis

V: OTHER SYSTEMIC DISEASES AFFECTING THE KIDNEY**Code Primary renal disease**

2513	AA amyloid secondary to chronic inflammation
2521	AL amyloid secondary to plasma cell dyscrasia
2623	Atypical haemolytic uraemic syndrome (HUS) - diarrhoea negative
2482	Cardiorenal syndrome
2652	Congenital haemolytic uraemic syndrome (HUS)
2566	Familial AA amyloid secondary to familial Mediterranean fever / TRAPS (Hibernian fever) - histologically proven
2550	Familial AA amyloid secondary to familial Mediterranean fever / TRAPS (Hibernian fever) - no histology
2545	Familial amyloid secondary to protein mutations - histologically proven
2532	Familial amyloid secondary to protein mutations - no histology
2668	Familial haemolytic uraemic syndrome (HUS)
2675	Familial thrombotic thrombocytopenic purpura (TTP)
2610	Haemolytic uraemic syndrome (HUS) - diarrhoea associated
2647	Haemolytic uraemic syndrome (HUS) secondary to systemic disease
2495	Hepatorenal syndrome
2606	Immunotactoid / fibrillary nephropathy
2597	Light chain deposition disease
2584	Myeloma cast nephropathy - histologically proven
2578	Myeloma kidney - no histology
2681	Nephropathy due to eclampsia
3834	Nephropathy due to pre-eclampsia
2509	Renal amyloidosis
2476	Renal vein thrombosis
2702	Sickle cell nephropathy - histologically proven
2699	Sickle cell nephropathy - no histology
2634	Thrombotic thrombocytopenic purpura (TTP)

VI: FAMILIAL / HEREDITARY NEPHROPATHIES**Code Primary renal disease**

3071	Alagille syndrome
2760	Alport syndrome - histologically proven
2756	Alport syndrome - no histology
3118	Apparent mineralocorticoid excess
2718	Autosomal dominant (AD) polycystic kidney disease
2725	Autosomal dominant (AD) polycystic kidney disease type I
2739	Autosomal dominant (AD) polycystic kidney disease type II
2741	Autosomal recessive (AR) polycystic kidney disease
3085	Bartter syndrome
2773	Benign familial haematuria
3322	Branchio-oto-renal syndrome
2794	Cystic kidney disease
2964	Cystinosis
2955	Cystinuria
2929	Dent disease
3028	Distal renal tubular acidosis (RTA) - type I
3037	Distal renal tubular acidosis with sensorineural deafness - gene mutations
3230	Fabry disease - histologically proven
3224	Fabry disease - no histology
3173	Familial hypercalciuric hypocalcaemia
3160	Familial hypocalciuric hypercalcaemia
3187	Familial hypomagnesaemia
3379	Familial nephropathy
3314	Frasier syndrome
3092	Gitelman syndrome
3125	Glucocorticoid suppressible hyperaldosteronism
3305	Horse-shoe kidney
2993	Hypophosphataemic rickets autosomal recessive (AR)
2986	Hypophosphataemic rickets X-linked (XL)
3139	Inherited / genetic diabetes mellitus type II
2940	Inherited aminoaciduria
2972	Inherited renal glycosuria
3810	Kidney stones due to ARPT deficiency
3351	Lawrence-Moon-Biedl / Bardet-Biedl syndrome
3059	Lesch Nyhan syndrome - hypoxanthine guanine phosphoribosyl transferase deficiency
3102	Liddle syndrome
2938	Lowe syndrome (oculocerebrorenal syndrome)
2804	Medullary cystic kidney disease type I
2815	Medullary cystic kidney disease type II
3295	Medullary sponge kidneys
3367	Mitochondrial cytopathy
3253	Nail-patella syndrome
3044	Nephrogenic diabetes insipidus
2836	Nephronophthisis
2843	Nephronophthisis - type 1 (juvenile type)
2858	Nephronophthisis - type 2 (infantile type)
2862	Nephronophthisis - type 3 (adolescent type)
2870	Nephronophthisis - type 4 (juvenile type)
2889	Nephronophthisis - type 5
2891	Nephronophthisis - type 6
3063	Phosphoribosyl pyrophosphate synthetase (PRPPS) superactivity
2901	Primary Fanconi syndrome
3194	Primary hyperoxaluria
3207	Primary hyperoxaluria type I
3211	Primary hyperoxaluria type II
3731	Primary hyperoxaluria type III
3000	Primary renal tubular acidosis (RTA)
3016	Proximal renal tubular acidosis (RTA) - type II
3141	Pseudohypoaldosteronism type 1
3156	Pseudohypoaldosteronism type 2 (Gordon syndrome)
3658	Renal coloboma syndrome
3269	Rubinstein-Taybi syndrome
2787	Thin basement membrane disease
3346	Townes-Brocks syndrome
3276	Tuberous sclerosis
2917	Tubular disorder as part of inherited metabolic diseases
2827	Uromodulin-associated nephropathy (familial juvenile hyperuricaemic nephropathy)
3282	Von Hippel-Lindau disease
3333	Williams syndrome
3248	Xanthinuria

VII: MISCELLANEOUS RENAL DISORDERS

Code	Primary renal disease
3442	Acute cortical necrosis
3380	Acute kidney injury
3403	Acute kidney injury due to circulatory failure
3398	Acute kidney injury due to hypovolaemia
3435	Acute kidney injury due to nephrotoxicity
3426	Acute kidney injury due to rhabdomyolysis
3419	Acute kidney injury due to sepsis
3457	Acute pyelonephritis
3564	Chronic kidney disease (CKD) / chronic renal failure (CRF) - aetiology uncertain / unknown - histologically proven
3555	Chronic kidney disease (CKD) / chronic renal failure (CRF) - aetiology uncertain / unknown - no histology
3529	Chronic kidney disease (CKD) / chronic renal failure (CRF) caused by tumour nephrectomy
3540	Chronic kidney disease (CKD) / chronic renal failure (CRF) due to donor nephrectomy
3538	Chronic kidney disease (CKD) / chronic renal failure (CRF) due to traumatic loss of kidney
3708	Chronic renal failure
3643	Chronic renal failure due to systemic infection
3572	Haematuria and proteinuria - no histology
3823	Infiltration by lymphoma - histologically proven
3712	Isolated haematuria - no histology
3720	Isolated proteinuria - no histology
3461	Kidney tumour
3501	Mesoblastic nephroma - histologically proven
3474	Renal cell carcinoma - histologically proven
3691	Renal failure
3517	Single kidney identified in adulthood
3488	Transitional cell carcinoma - histologically proven
3490	Wilms tumour - histologically proven

Appendix 3 - Grouping of causes of death

1994 code	1995 code	COD group	Cause of death
0	0	XI	Cause of death uncertain / not determined
11	11	I	Myocardial ischaemia and infarction
12	12	X	Hyperkalaemia
13	13	X	Haemorrhagic pericarditis
14	14	II	Other causes of cardiac failure
15	15	III	Cardiac arrest / sudden death; other cause or unknown
16	16	II	Hypertensive cardiac failure
17	17	X	Hypokalaemia
18	18	II	Fluid overload / pulmonary oedema
21	21	X	Pulmonary embolus
22	22	IV	Cerebro-vascular accident, other cause or unspecified
23	23	X	Gastro-intestinal haemorrhage
24	24	X	Haemorrhage from graft site
25	25	X	Haemorrhage from vascular access or dialysis circuit
26	26	X	Haemorrhage from ruptured vascular aneurysm (not code 22 or 23)
27	27	X	Haemorrhage from surgery (not code 23, 24 or 26)
28	28	X	Other haemorrhage (not codes 23-27)
29	29	X	Mesenteric infarction
31	31	V	Pulmonary infection (bacterial - not code 73)
32	32	V	Pulmonary infection (viral)
33	33	V	Pulmonary infection (fungal or protozoal; parasitic)
34		V	Infections elsewhere except virus hepatitis
35	35	V	Septicaemia
36	36	V	Tuberculosis (lung)
37	37	V	Tuberculosis (elsewhere)
38	38	V	Generalized viral infection
39	39	V	Peritonitis (all causes except for Peritoneal Dialysis)
41	41	X	Liver disease due to hepatitis B virus
42	42	X	Liver disease due to other viral hepatitis
43	43	X	Liver disease due to drug toxicity
44	44	X	Cirrhosis - not viral
45	45	X	Cystic liver disease
46	46	X	Liver failure - cause unknown
51	51	VI	Patient refused further treatment for ESRF
52	52	VI	Suicide
53	53	VII	ESRF treatment ceased for any other reason
	54	VII	ESRF treatment withdrawn for medical reasons
61		X	Uremia caused by graft failure
62	62	X	Pancreatitis
63	63	X	Bone marrow depression
64	64	VIII	Cachexia
66	66	IX	Malignant disease, possibly induced by immunosuppressive therapy
67	67	IX	Malignant disease: solid tumors except those of 66
	68	IX	Malignant disease: lymphoproliferative disorders except those of 66
69	69	X	Dementia
70	70	V	Peritonitis (sclerosing, with peritoneal dialysis)
71	71	X	Perforation of peptic ulcer
72	72	X	Perforation of colon
73	73	X	Chronic obstructive airways disease
81	81	X	Accident related to ESRF treatment (not code 25)
82	82	X	Accident unrelated to ESRF treatment
	100	V	Peritonitis (bacterial, with peritoneal dialysis)
	101	V	Peritonitis (fungal, with peritoneal dialysis)
	102	V	Peritonitis (due to other cause, with peritoneal dialysis)
99	99	X	Other identified cause of death

COD group: I: myocardial ischaemia and infarction; II: heart failure; III: cardiac arrest, other cause / unknown; IV: cerebrovascular accident; V: infection; VI: suicide / refusal treatment; VII: withdrawal; VIII: cachexia; IX: malignancies; X: miscellaneous; XI: unknown / unavailable

Appendix 4 - Event type codes

Event code	Event
------------	-------

001	Home haemodialysis
002	Centre haemodialysis
003	Haemofiltration
004	Haemodiafiltration
009	Haemodialysis, type unknown
011	Continuous Ambulatory Peritoneal Dialysis (CAPD)
012	Intermittent Ambulatory Peritoneal Dialysis (CAPD)
013	Continuous Automated Peritoneal Dialysis (APD)
014	Intermittent Automated Peritoneal Dialysis (APD)
019	Peritoneal Dialysis, type unknown
090	Unknown dialysis
020	Transplantation, living donor
021	Transplantation, living related donor
022	Transplantation, living unrelated donor
023	Transplantation, deceased donor
029	Transplantation, donor type unknown
060	Transplantation follow-up (still functioning)
061	Graft failure
031	Treatment type unknown / unavailable
051	Recovery Renal Function
052	Death
053	Transfer out to other registry
054	Transfer in from other registry
055	Lost to follow-up
071	Limited care / stopped treatment (without recovery of renal function)

Appendix 5 - Renal registries contributing data for the different types of analyses

	Registries providing individual patient data			Registries providing aggregated data	Registries providing paediatric data
	Incidence and prevalence	Survival	Expected remaining lifetimes	Incidence and prevalence	Incidence and prevalence
Albania	-	-	-	+	-
Austria	+	+	+	-	+
Belarus	-	-	-	+	-
Belgium, Dutch-speaking	+	+	+	-	-
Belgium, French-speaking	+	+	+	-	-
Bosnia and Herzegovina	+	+	+	-	+
Croatia	-	-	-	+	-
Cyprus	-	-	-	+	-
Czech Republic	-	-	-	+	-
Denmark	+	+	+	-	+
Estonia	+	+	+	-	+
Finland	+	+	+	-	+
France (26 of 27 regions)	+	+	+	-	+
Greece	+	+	+	-	+
Hungary	-	-	-	+	-
Iceland	+	+	+	-	+
Israel	-	-	-	+	-
Italy (7 of 20 regions)	-	-	-	+	-
Kosovo	-	-	-	+	-
Latvia	-	-	-	+	-
Lithuania	-	-	-	+	-
Montenegro	+	-	-	-	+
North Macedonia	-	-	-	+	-
Norway	+	+	+	-	+
Poland	-	-	-	+	-
Portugal	-	-	-	+	-
Romania	+	-	-	-	+
Serbia	+	-	-	-	+
Slovakia	-	-	-	+	-
Spain, Andalusia	+	+	+	+	+
Spain, Aragon	+	+	+	+	+
Spain, Asturias	+	+	+	+	+
Spain, Balearic Islands	-	-	-	+	-
Spain, Basque country	+	+	+	+	+
Spain, Canary Islands	+	-	-	+	+
Spain, Cantabria	+	+	+	+	-
Spain, Castile and León	+	+	+	+	-
Spain, Castile-La Mancha	+	+	+	+	-
Spain, Catalonia	+	+	+	+	+
Spain, Ceuta	-	-	-	+	-
Spain, Community of Madrid	+	+	+	+	+
Spain, Extremadura	+	+	+	+	+
Spain, Galicia	+	+	+	+	+
Spain, La Rioja	+	-	-	+	+
Spain, Melilla	-	-	-	+	-
Spain, Murcia	+	+	+	+	+
Spain, Navarre	+	+	+	+	-
Spain, Valencian region	+	+	+	+	+
Sweden	+	+	+	-	+
Switzerland	+	-	-	-	+
the Netherlands	+	+	+	-	+
Tunisia, Sfax region	-	-	-	+	-
Turkey	-	-	-	+	-
Ukraine	-	-	-	+	-
United Kingdom, England	+	+	+	-	+
United Kingdom, Northern Ireland	+	+	+	-	+
United Kingdom, Scotland	+	+	+	-	-
United Kingdom, Wales	+	+	+	-	+

ERA Registry
Amsterdam UMC, location AMC
Department of Medical Informatics
PO Box 22700
1100 DE Amsterdam
the Netherlands

August 2023

