



ERA
Registry
Annual
Report
2020

Suggested Citation ERA Registry: ERA Registry Annual Report 2020. Amsterdam UMC, location AMC, Department of Medical Informatics, Amsterdam, the Netherlands, 2022.

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 2020

ERA Registry

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

Telephone +31 20 566 7637

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

KJ Jager, epidemiologist (Managing Director)

ME Astley, epidemiologist

R Boenink, epidemiologist

BA Boerstra, epidemiologist

M Bonthuis, epidemiologist (for paediatric section)

NC Chesnaye, epidemiologist

R Cornet, medical informatician (advisor)

A Kramer, medical informatician

VS Stel, epidemiologist

AJ Weerstra, data manager

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	F Engler, J Kerschbaum, R Kramar, G Mayer, and the Austrian Society of Nephrology
Belgium, Dutch-speaking	J De Meester
Belgium, French-speaking	JM des Grottes and F Collart
Bosnia and Herzegovina	H Resić and E Mešić
Denmark	K Hommel
Estonia	Ü Pechter, M Ots-Rosenberg, and K Lilienthal
Finland	J Helve
France	M Lassalle and C Couchoud
Greece	G Moustakas
Iceland	OS Indridason and R Pálsson
Montenegro	M Ratkovic, D Radunović, and F Tomović
Norway	AV Reisaeter and A Åsberg
Romania	G Mircescu, L Garneata, and E Podgoreanu
Serbia	M Lausevic, R Naumovic, all of the Serbian renal units, Serbian Society of Nephrology
Spain, Andalusia	P Castro de la Nuez (on behalf of all users of SICATA)
Spain, Aragon	F Arribas Monzón
Spain, Asturias	P Beltrán, M. Rodríguez, JR Quirós, and RERCA Working Group
Spain, Basque country	Á Magaz, J Aranzabal, M Rodrigo, and I Moina
Spain, Canary Islands	S Trujillo Alemán, I Santana Gil and C Torres Medina
Spain, Cantabria	JC Ruiz San Millán
Spain, Castile and León	MA Palencia García and P Ucio Mingo
Spain, Castile-La Mancha	G Gutiérrez Ávila and I Moreno Alía
Spain, Catalonia	J Comas and J Tort
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, S Schön, T Lundgren, H Rydell, and M Segelmark
Switzerland	P Ambühl and R Guidotti
the Netherlands	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 (8 of 20 regions)	M Nordio, M Postorino and A Limido
Kosovo	S Selmani and M Tolaj-Avdiu
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
Russia	A Andrusev, H Zakharova and N Tomilina
Slovakia	I Lajdova, V Spustova and A Oksa
Spain	B Mahillo Durán and Spanish Regional Registries
Turkey	N Seyahi, K Ates and G Süleymanlar

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

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
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 2020.

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 primary renal disease	14
A1 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 1	15
A2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 91	20
A3 PREVALENT PATIENTS ON KRT IN 2020	21
A4 KIDNEY TRANSPLANTS IN 2020	26
A5 SURVIVAL PROBABILITY	29
A6 EXPECTED REMAINING LIFETIMES	31
A7 COMPARISONS BY PRIMARY RENAL DISEASE FOR 2020	32
Section B: Individual patient data reference tables	38
B1 AFFILIATED REGISTRY INFORMATION FOR 2020	39
B2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 1	40
B3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 91	51
B4 PREVALENT PATIENTS ON KRT IN 2020	62
B5 KIDNEY TRANSPLANTS IN 2020	73
B6 SURVIVAL PROBABILITY	76
B7 EXPECTED REMAINING LIFETIMES	93
Section C: Aggregated data reference tables	94
C1 AFFILIATED REGISTRY INFORMATION FOR 2020	95
C2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 1	96
C3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 91	104
C4 PREVALENT PATIENTS ON KRT IN 2020	112
C5 KIDNEY TRANSPLANTS IN 2020	120
Section D: Paediatric data reference tables	122
D1 GENERAL POPULATION AGE DISTRIBUTION	123
D2 INCIDENT PATIENTS ACCEPTED FOR KRT, AT DAY 1	124
D3 PREVALENT PATIENTS ON KRT	126
Methods	128
Appendices	137

Table of Contents

Introduction	11
Section overview	13
New to this edition	13
ERA Registry website	13
ESPN/ERA Registry website	13
Section A: Summary data and comparisons by primary renal disease	14
A1 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 1	
Table A.1.1 Summary data on the incidence of KRT in 2020, 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 age, sex and primary renal disease, unadjusted	19
A2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 91	
Figure A.2.1 Treatment modality distribution by age, sex and primary renal disease, unadjusted	20
A3 PREVALENT PATIENTS ON KRT IN 2020	
Table A.3.1 Summary data on the prevalence of KRT on 31 December 2020, 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 age, sex and primary renal disease, unadjusted	25
A4 KIDNEY TRANSPLANTS IN 2020	
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
Figure A.5.1 Adjusted patient survival by modality: Incident dialysis patients	30
Figure A.5.2 Adjusted patient survival by donor type: Patients receiving a first kidney transplant	30
A6 EXPECTED REMAINING LIFETIMES	
Figure A.6.1 Expected remaining lifetimes (years) of the general population (cohort 2016-2020) and of prevalent dialysis and kidney transplant patients (cohort 2016-2020)	31
A7 COMPARISONS BY PRIMARY RENAL DISEASE FOR 2020	
Figure A.7.1 Incidence per million population by primary renal disease, unadjusted	32
Figure A.7.2 Age, sex and treatment modality distribution by primary renal disease in incident patients, unadjusted	33
Figure A.7.3 Prevalence per million population by primary renal disease, unadjusted	34
Figure A.7.4 Age, sex and treatment modality distribution by primary renal disease in prevalent patients, unadjusted	35
Figure A.7.5 Kidney transplants per million population by primary renal disease, unadjusted	36
Figure A.7.6 Donor type distribution by primary renal disease in kidney transplant recipients	36
Figure A.7.7 Patient survival probability by primary renal disease: Incident dialysis patients	37
Figure A.7.8 Patient survival probability by primary renal disease: Patients receiving a first kidney transplant	37

B1 AFFILIATED REGISTRY INFORMATION FOR 2020

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

B2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, 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 2020, 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 2020

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 2020

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 2011-2015 and cohort 2014-2018)**

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 2011-2015 and cohort 2014-2018)

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 2011-2015 and cohort 2014-2018)		
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 2011-2015 and cohort 2014-2018)		
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
Patient Survival by Primary Renal Disease and Modality (cohort 2011-2015)		
Figure B.6.1	Patient survival by primary renal disease: Incident KRT patients	92
Figure B.6.2	Patient survival by modality: Incident dialysis patients	92
Figure B.6.3	Patient survival by donor type: Patients receiving a first kidney transplant	92
B7 EXPECTED REMAINING LIFETIMES		
Table B.7.1	Expected remaining lifetimes (years) of the general population (cohort 2016-2020) and of prevalent dialysis and kidney transplant patients (cohort 2016-2020)	93

Section C: Aggregated data reference tables 94

C1 AFFILIATED REGISTRY INFORMATION FOR 2020		
Table C.1.1	General population data and number of renal centres	95
C2 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 1		
Table C.2.1	Incident counts and percentages by age and sex	96
Table C.2.2	Incidence per million (age-related) population by age and sex, unadjusted	97
Table C.2.3	Sex, mean age, and median age of incident patients	98
Table C.2.4	Incidence per million population, adjusted	99
Table C.2.5	Incidence per million population and percentages by primary renal disease, unadjusted	100
Table C.2.6	Incident counts by treatment modality	101
Table C.2.7	Incidence per million population by treatment modality, unadjusted	102
Table C.2.8	Treatment modality distribution, unadjusted	103
C3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 91		
Table C.3.1	Incident counts and percentages by age and sex	104
Table C.3.2	Incidence per million (age-related) population by age and sex, unadjusted	105
Table C.3.3	Sex, mean age, and median age of incident patients	106
Table C.3.4	Incidence per million population, adjusted	107
Table C.3.5	Incidence per million population and percentages by primary renal disease, unadjusted	108
Table C.3.6	Incident counts by treatment modality	109
Table C.3.7	Incidence per million population by treatment modality, unadjusted	110
Table C.3.8	Treatment modality distribution, unadjusted	111
C4 PREVALENT PATIENTS ON KRT IN 2020		
Table C.4.1	Prevalent counts and percentages by age and sex	112
Table C.4.2	Prevalence per million (age-related) population by age and sex, unadjusted	113
Table C.4.3	Sex, mean age, and median age	114
Table C.4.4	Prevalence per million population, adjusted	115
Table C.4.5	Prevalence per million population and percentages by primary renal disease, unadjusted	116
Table C.4.6	Prevalent counts by treatment modality	117
Table C.4.7	Prevalence per million population by treatment modality, unadjusted	118
Table C.4.8	Treatment modality distribution, unadjusted	119
C5 KIDNEY TRANSPLANTS IN 2020		
Table C.5.1	Kidney transplant counts and percentages by donor type	120
Table C.5.2	Kidney transplants per million population by donor type, unadjusted	121

Section D: Paediatric data reference tables

122

D1 GENERAL POPULATION AGE DISTRIBUTION

Table D.1.1	Population covered (in thousands)	123
--------------------	-----------------------------------	-----

D2 INCIDENT PATIENTS ACCEPTED FOR KRT, AT DAY 1

Table D.2.1	Incident counts by age and cohort	124
Table D.2.2	Incident counts by age, treatment modality, and cohort	124
Table D.2.3	Incident counts by age and primary renal disease	124
Table D.2.4	Incidence per million age-related population by age and cohort	125
Table D.2.5	Incidence per million age-related population by age, treatment modality, and cohort	125
Table D.2.6	Incidence per million age-related population by age and primary renal disease	125

D3 PREVALENT PATIENTS ON KRT

Table D.3.1	Prevalent counts by age and cohort	126
Table D.3.2	Prevalent counts by age, treatment modality, and cohort	126
Table D.3.3	Prevalent counts by age and primary renal disease	126
Table D.3.4	Prevalence per million age-related population by age and cohort	127
Table D.3.5	Prevalence per million age-related population by age, treatment modality, and cohort	127
Table D.3.6	Prevalence per million age-related population by age and primary renal disease	127

Methods

128

Data collection and preparation	129
Coding systems	132
Statistical analyses	132
Bibliography	136

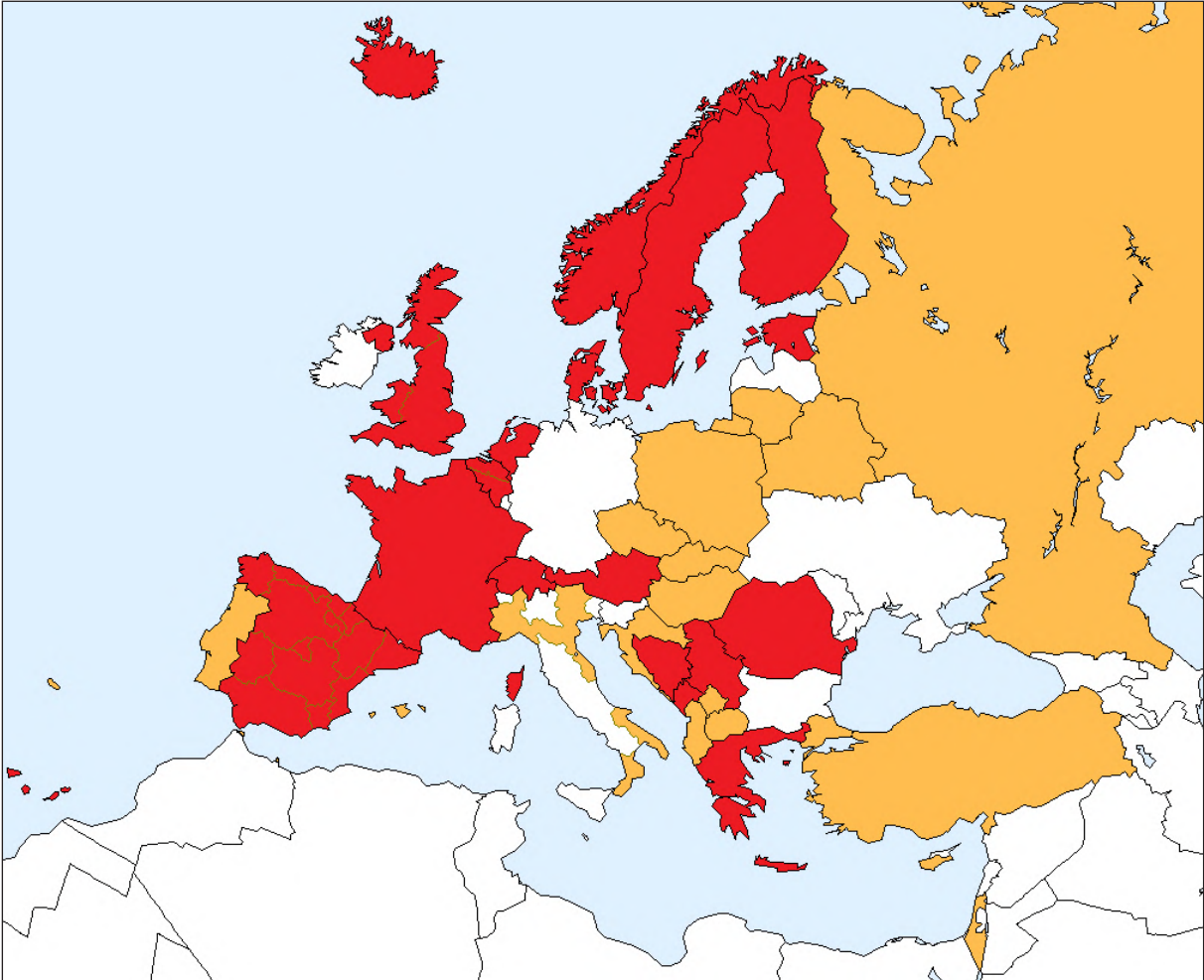
Appendices


137

Appendix 1 - Grouping of primary renal diseases	138
Appendix 2 - Grouping of primary renal disease codes 2018	139
Appendix 3 - Grouping of causes of death	144
Appendix 4 - Event type codes	145
Appendix 5 - Renal registries contributing data for the different types of analyses	146

Introduction

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



	AL Albania AT Austria BA Bosnia and Herzegovina BE Belgium BY Belarus CH Switzerland CY Cyprus CZ Czech Republic DK Denmark EE Estonia ES Spain FI Finland FR France GR Greece HR Croatia HU Hungary IL Israel	IS Iceland IT Italy LT Lithuania ME Montenegro MK North Macedonia NL the Netherlands NO Norway PL Poland PT Portugal RO Romania RS Serbia RU Russia SE Sweden SK Slovakia TR Turkey UK United Kingdom 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 2020 Annual Report data sets from 52 national or regional renal registries in 34 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 17 national and regional registries from 17 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. 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, while 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, the coding systems, and the statistical methods.

New to this edition

This year summary figures on comparisons by primary renal disease were added to Section A. In A7 the incidence, prevalence, kidney transplant activity and survival are presented for eight primary renal disease groups separately.

ERA Registry website

The ERA Registry annual reports and other information about the Registry can be downloaded from the ERA website: www.era-online.org/research-education/era-registry. Slides based on the information in this annual report will be presented on the website. 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 primary renal disease

A1 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, AT DAY 1

Table A.1.1
Summary data on the incidence of KRT in 2020, unadjusted

	General population covered by the registry in thousands	Incidence in 2020, at day 1					
		All N	All Pmp	Mean Age	Median Age	DM N	DM Pmp
Albania	2818	368	131	62.5	65.0	84	30
Austria §	8901	1085	122	65.0	68.6	272	31
Belarus //	9380	696	74			145	15
Belgium, Dutch-speaking *	6654	1156	174	71.0	73.5	236	35
Belgium, French-speaking *	4890	944	193	67.6	69.6	208	43
Bosnia and Herzegovina	3531	408	116	63.0	65.0	107	30
Croatia †	3441	376	109	69.1	71.0	105	31
Cyprus	888	242	273	70.0	72.0	101	114
Czech Republic †	10488	2230	213				
Denmark	5888	707	120	64.3	67.1	193	33
Estonia	1330	76	57	60.2	63.4	18	14
Finland	5530	522	94	61.0	64.6	175	32
France	67488	10696	158	67.5	70.5	2486	37
Greece	10699	2749	257	71.5	74.2	659	62
Hungary	9672	1923	199	63.7		527	54
Iceland	366	38	104	65.3	72.2	5	14
Israel	9215	1797	195	67.0	69.2	804	87
Italy (8 of 20 regions)	21471	3405	159	68.6	71.5	520	24
Kosovo	1688	214	127	61.1	64.0	68	40
Lithuania	2794	242	87	60.8	62.6	39	14
Montenegro *	621	75	121	61.3	63.0	14	23
North Macedonia	2069	381	184	63.9	66.0	96	46
Norway	5379	543	101	62.3	65.9	90	17
Poland	38354	4781	125			1484	39
Portugal ¶	10298	2361	229			773	75
Romania	18302	2990	163	62.2	64.6	378	21
Russia †	143248	12103	84			2900	20
Serbia	6209	474	76	60.3	63.1	138	22
Slovakia †	4324	540	125	64.4	66.0	163	38
Spain (All)	47451	6643	140	63.8	68.3	1668	35
Spain, Andalusia	8490	1185	140	64.4	67.7	316	37
Spain, Aragon	1331	182	137	64.5	68.2	46	35
Spain, Asturias	1016	170	167	67.1	69.6	50	49
Spain, Basque country	2188	288	132	65.4	69.3	73	33
Spain, Canary Islands	2241	382	170	64.0	66.5	126	56
Spain, Cantabria *	583	73	125	65.4	67.0	21	36
Spain, Castile and León *	2395	285	119	69.0	70.9	70	29
Spain, Castile-La Mancha *	2047	215	105	65.1	66.2	62	30
Spain, Catalonia	7780	1336	172	66.8	70.4	255	33
Spain, Community of Madrid	6780	745	110	64.5	68.3	195	29
Spain, Extremadura	1064	150	141	65.9	66.7	48	45
Spain, Galicia	2700	393	146	67.5	69.6	109	40
Spain, La Rioja	316	33	104	68.2	69.2	6	19
Spain, Murcia	1511	212	140	65.0	66.9	49	32
Spain, Navarre *	657	70	107	63.4	68.7	26	40
Spain, Valencian region	5057	773	153	66.5	70.3	177	35
Sweden	10353	1137	110	64.0	68.5	281	27
Switzerland	8638	846	98	65.2	68.9	159	18
the Netherlands	16395	1861	114	63.9	67.7	389	24
Turkey ‡	83614	11596	139			707	45
United Kingdom, England	56550	6097	108	61.0	63.5	1618	29
United Kingdom, Northern Ireland	1896	206	109	60.1	64.0	39	21
United Kingdom, Scotland	5466	542	99	60.0	63.0	161	29
United Kingdom, Wales	3170	356	112	61.5	65.4	92	29
All countries	654932	83972	128	65.1	65.6	18068	31

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 hemodialysis centre not submitting data

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

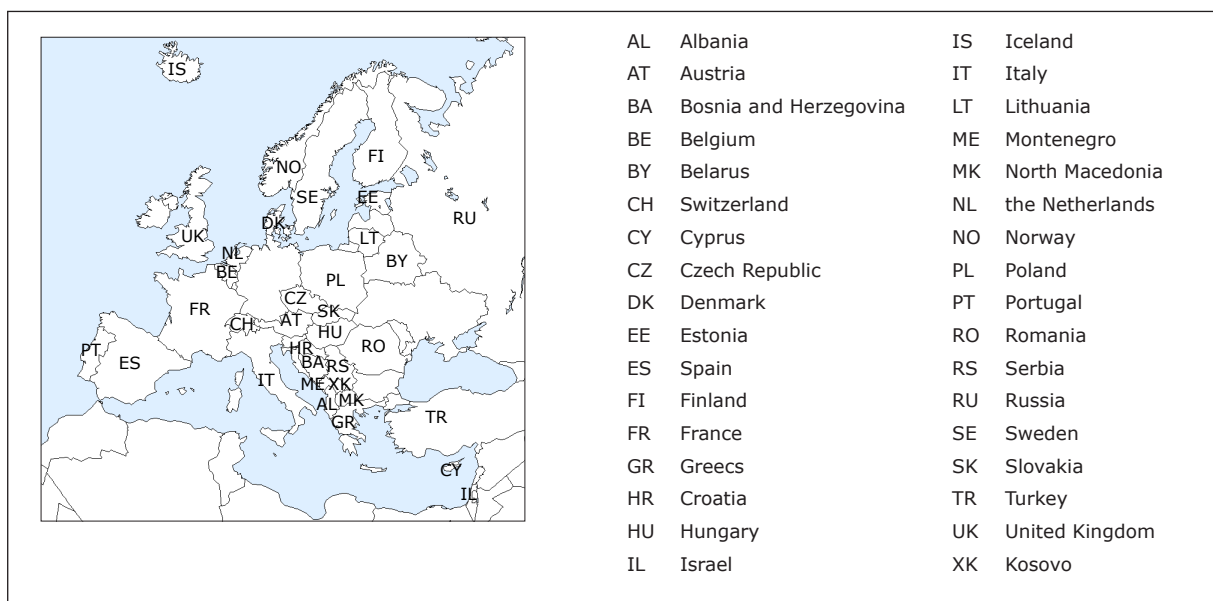
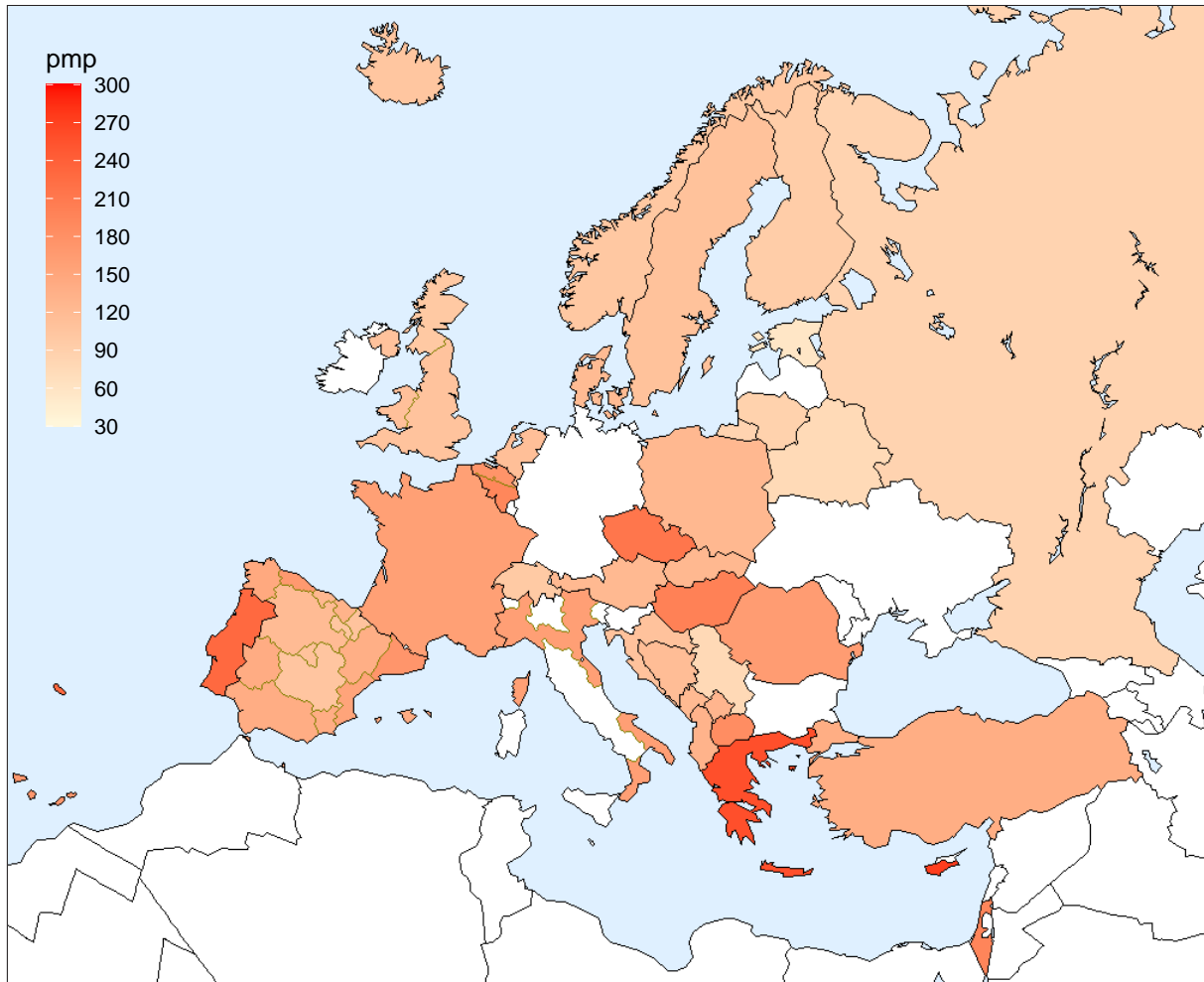
* Patients younger than 20 years of age are not reported: the true incidence counts are therefore slightly higher than the counts reported here

† Data include dialysis patients only

¶ Data on primary renal disease are available for dialysis patients only (99.1% of total N=2361)

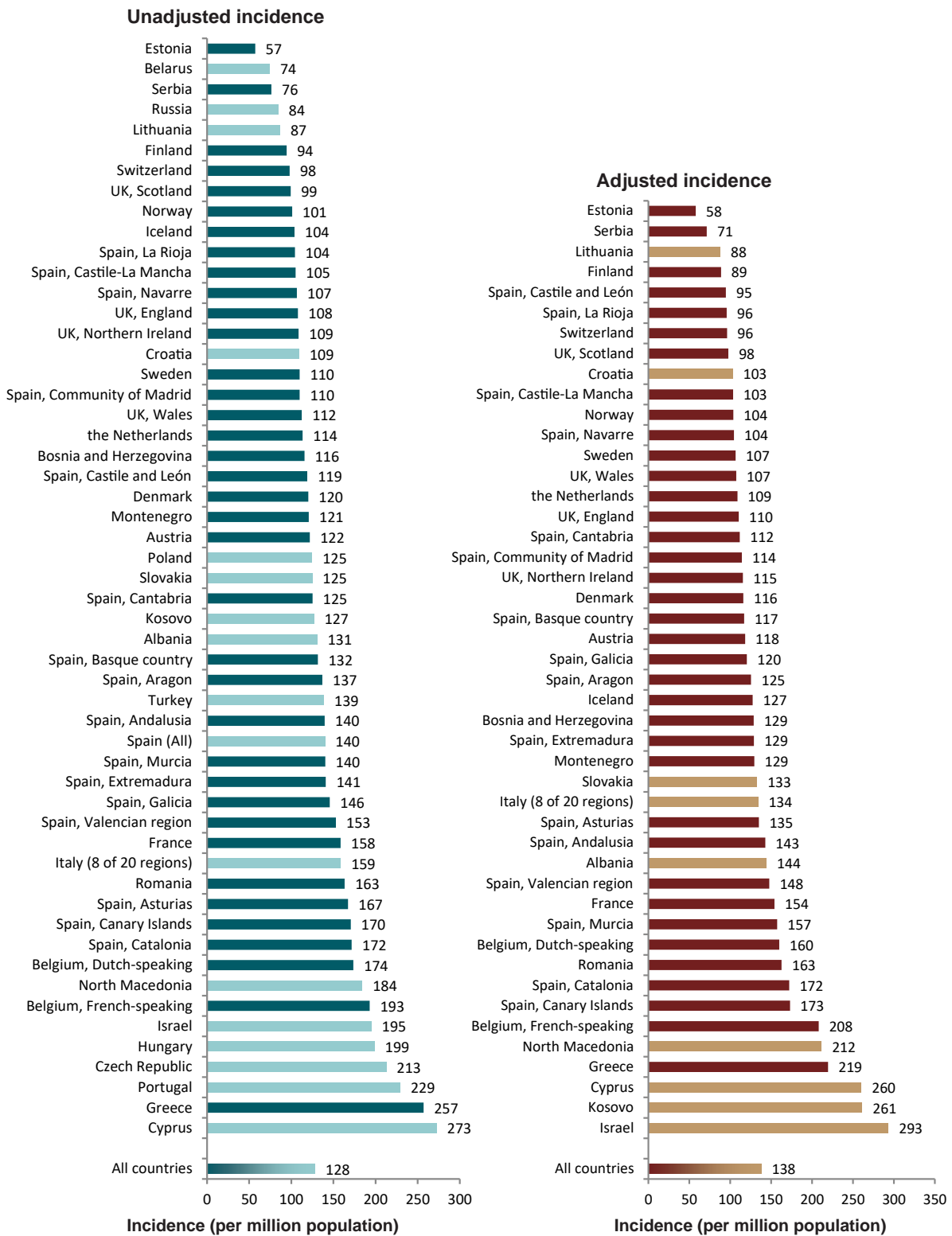
‡ Data on the incidence of primary renal disease (DM) is based on 2180 dialysis patients (18.8% of total)

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

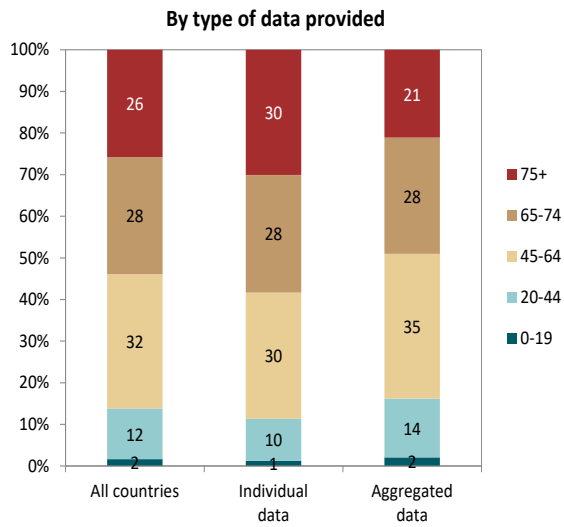


Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

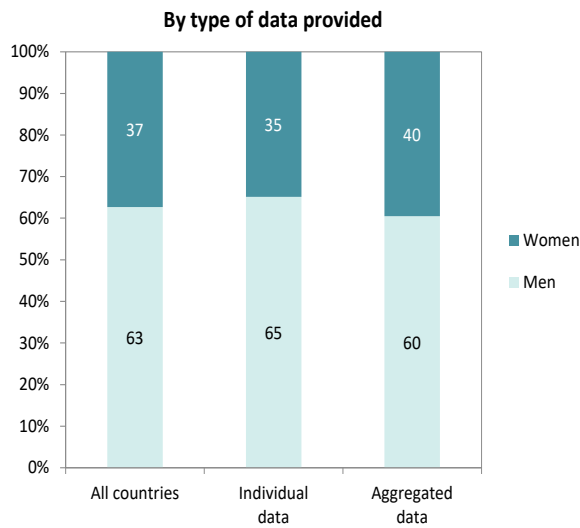
Detailed information on the contents of this figure can be found in tables B.2.2 and B.2.4 for registries providing individual patient data, and in tables C.2.2 and C.2.4 for registries providing aggregated data.

Adjustment of the incidence was performed by standardising the incidence to the age and sex distribution of the EU28 population.

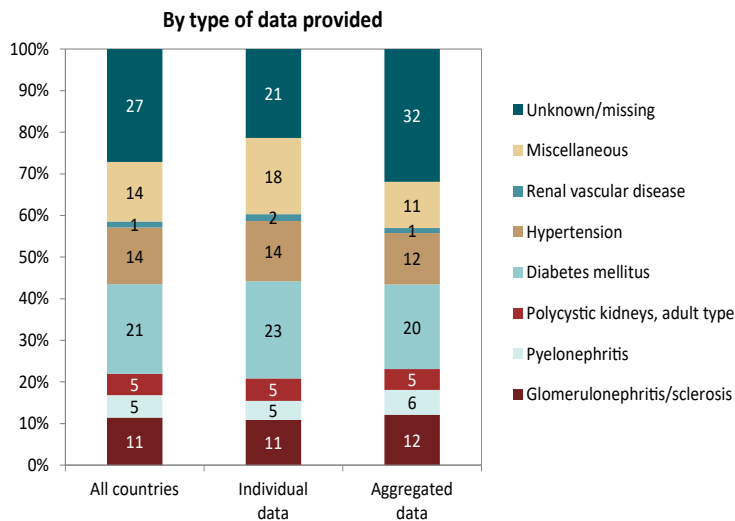
Figure A.1.3
Age, sex, and primary renal disease distribution by type of data provided, unadjusted at day 1



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

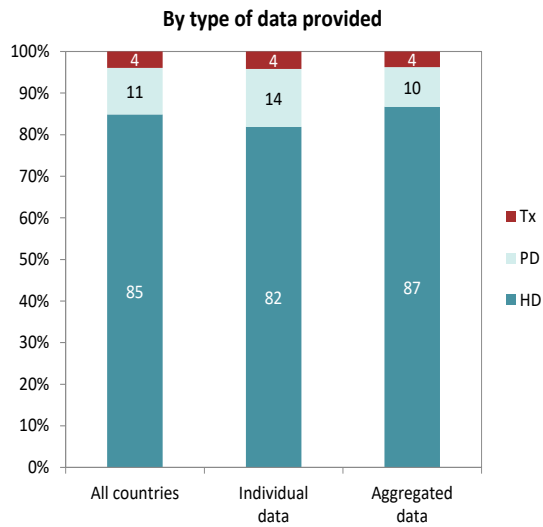


This figure summarizes the data presented in tables B.2.3 and C.2.3.



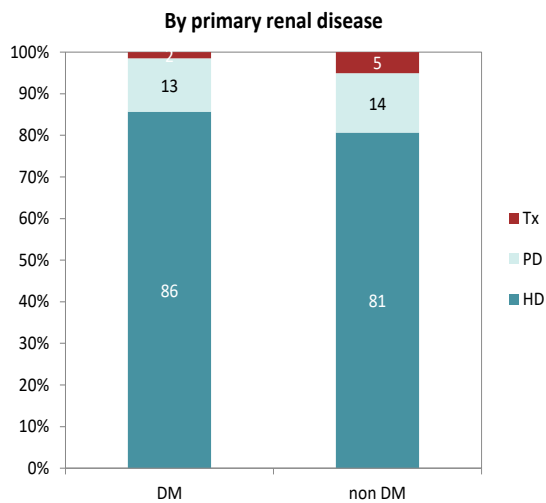
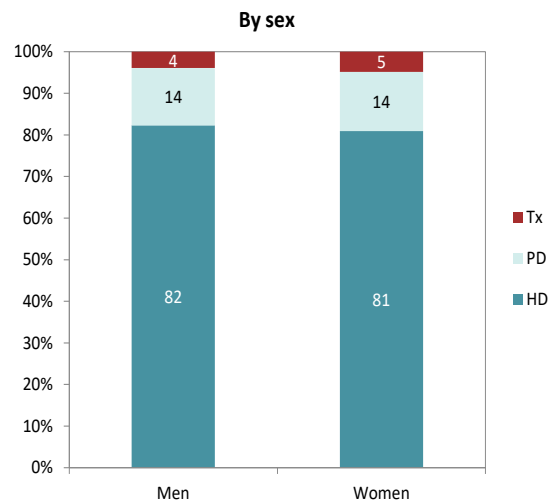
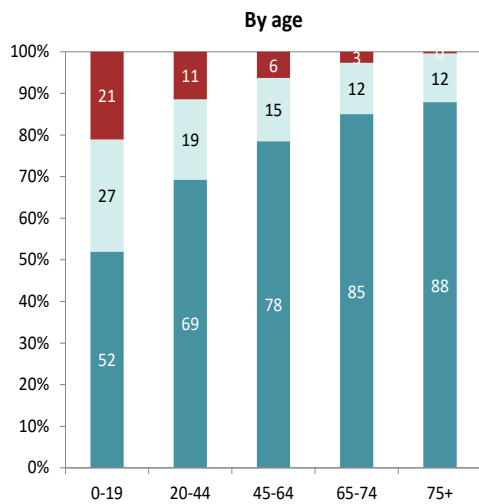
This figure summarizes the data presented in tables B.2.5 and C.2.5.

Figure A.1.4
Treatment modality distribution by 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.

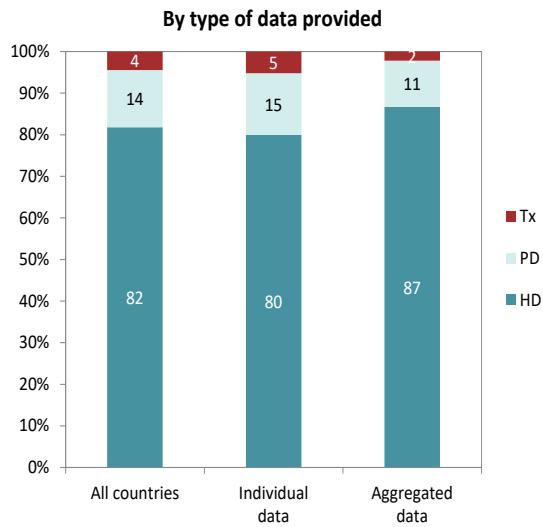
The figures below are only based on data from registries providing individual patient data.



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

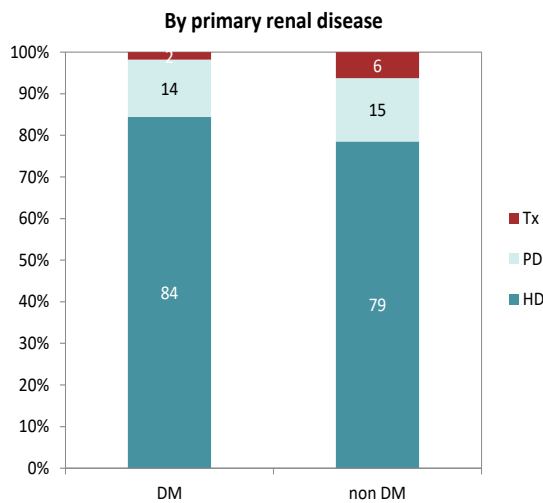
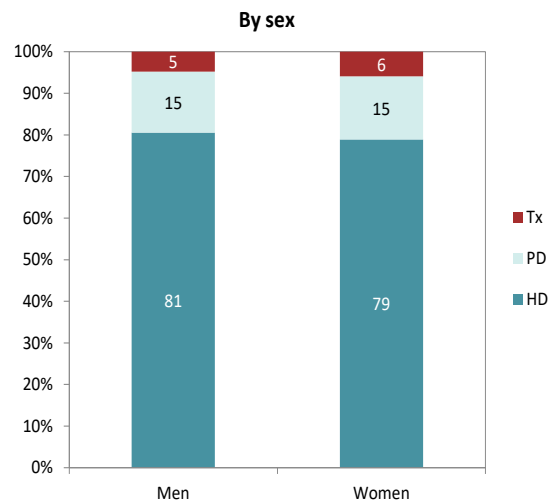
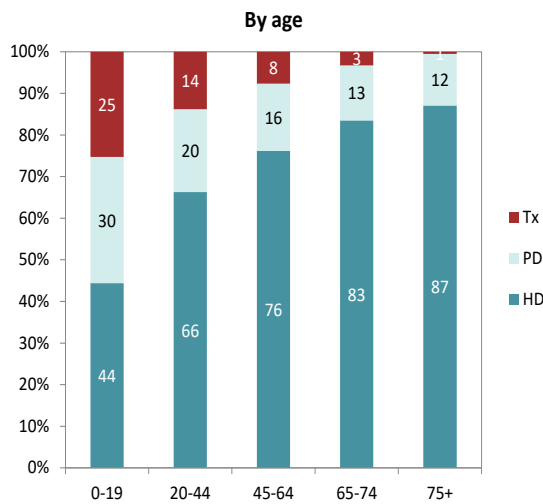
Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; DM: diabetes mellitus

Figure A.2.1
Treatment modality distribution by 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 2020, unadjusted

	General population covered by the registry in thousands	Prevalent patients on KRT in 2020					
		All N	All Pmp	Mean Age	Median Age	DM N	DM Pmp
Albania	2818	1664	591	52.2	51.0	356	126
Austria §	8901	9181	1031	62.4	63.8	1728	194
Belarus //	9380	3881	414			514	55
Belgium, Dutch-speaking *	6654	8571	1288	66.5	68.4	1389	209
Belgium, French-speaking *	4890	6663	1363	65.5	67.0	1186	243
Bosnia and Herzegovina	3531	2547	721	59.9	61.4	478	135
Croatia &	3441	2028	589	66.4	69.0	510	148
Cyprus	888						
Czech Republic	10488	11287	1076				
Denmark	5888	5685	966	59.3	60.8	962	163
Estonia	1330	1049	789	59.0	60.0	200	150
Finland	5530	5303	959	60.1	62.5	1323	239
France	67488	92864	1376	63.4	65.6	15361	228
Greece	10699	15169	1418	65.9	68.0	2815	263
Hungary	9672	9651	998				
Iceland	366	302	824	58.5	59.7	33	90
Israel &	9215	6916	751	67.4	69.3	3254	353
Italy (8 of 20 regions)	21471	28127	1310	63.1	65.0	2930	136
Kosovo	1688	784	465	60.2	62.0	231	137
Lithuania	2794	2417	865				
Montenegro *	621	241	388	58.2	61.5	35	56
North Macedonia	2069	1762	852	59.8	61.0	312	151
Norway	5379	5464	1016	60.2	62.3	757	141
Poland &	38354	19647	512			5449	142
Portugal □	10298	20713	2011	67.7		3684	358
Romania	18302	22074	1206	63.4	65.3	2104	115
Russia	143248	61164	427			11102	78
Serbia	6209	5516	888	60.7	63.0	976	157
Slovakia &	4324	3105	718	64.0	66.0	928	215
Spain (All)	47451	64621	1362	60.4	63.7	10560	223
Spain, Andalusia	8490	11053	1302	61.4	62.7	1848	218
Spain, Aragon	1331	1872	1407	65.0	66.7	328	246
Spain, Asturias	1016	1477	1454	64.6	66.2	272	268
Spain, Basque country	2188	2783	1272	62.4	64.5	356	163
Spain, Canary Islands	2241	3409	1521	62.5	63.6	921	411
Spain, Cantabria *	583	680	1166	63.7	65.3	111	190
Spain, Castile and León *	2395	3187	1331	66.0	67.0	547	228
Spain, Castile-La Mancha *	2047	2462	1203	63.7	64.3	424	207
Spain, Catalonia	7780	11593	1490	63.5	65.3	1628	209
Spain, Community of Madrid	6780	7753	1144	62.2	63.7	1338	197
Spain, Extremadura	1064	1384	1301	63.1	63.7	226	212
Spain, Galicia	2700	3951	1463	63.7	64.8	669	248
Spain, La Rioja	316	383	1212	62.7	63.7	48	152
Spain, Murcia	1511	2165	1433	63.0	63.8	334	221
Spain, Navarre *	657	904	1376	63.7	65.7	149	227
Spain, Valencian region	5057	7470	1477	64.1	66.0	1127	223
Sweden	10353	10332	998	60.3	62.5	1784	172
Switzerland	8638	8528	987	62.8	64.7	1269	147
the Netherlands	16744	17931	1071	61.2	63.2	2393	143
Turkey ‡	83614	83350	997			2638	347
United Kingdom, England	56550	54971	972	58.3	59.5	9908	175
United Kingdom, Northern Ireland	1896	2032	1072	58.3	59.2	298	157
United Kingdom, Scotland	5466	5421	992	57.3	59.0	940	172
United Kingdom, Wales	3170	3300	1041	58.6	59.9	599	189
All countries	649818	604261	931	60.7	59.3	89006	159

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 hemodialysis centre not submitting data

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

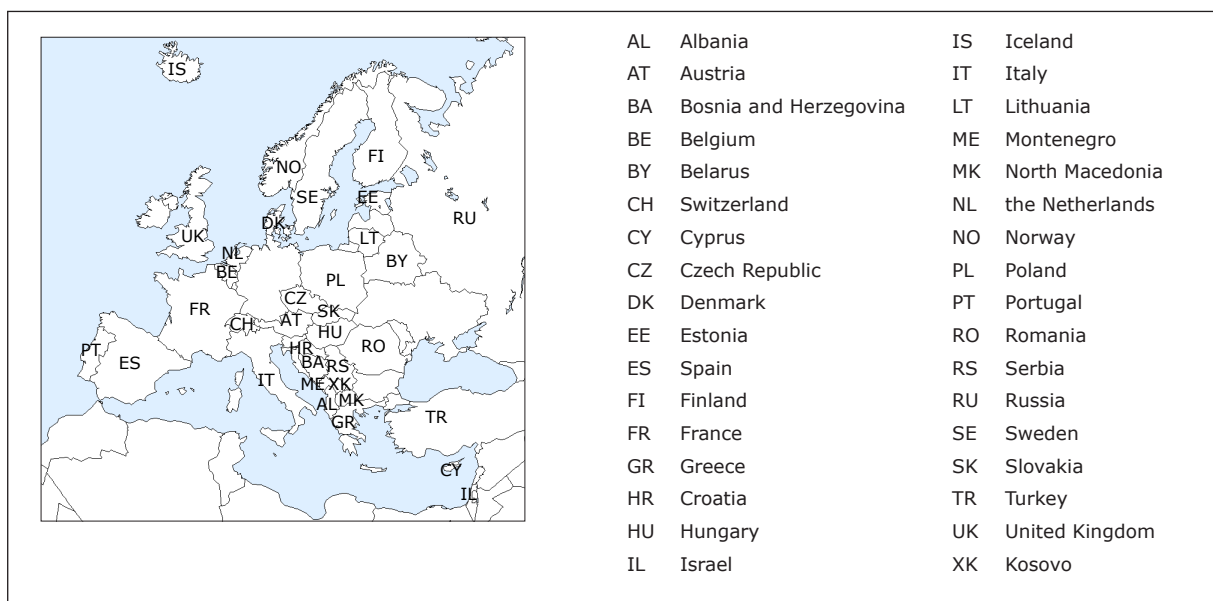
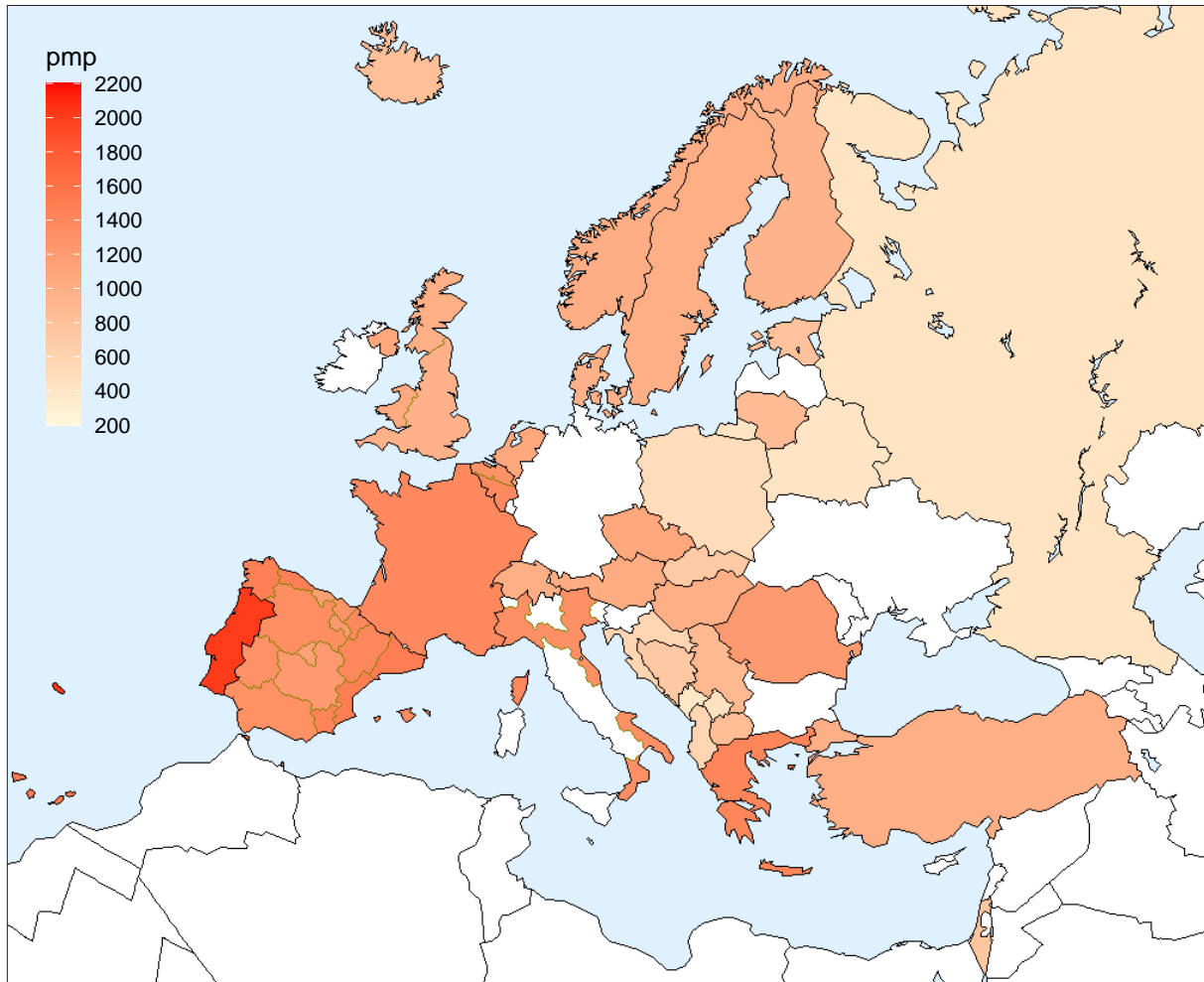
* Patients younger than 20 years of age are not reported. The true prevalent counts are therefore slightly higher than the counts reported here

& Data on prevalence include dialysis patients only

□ Data on primary renal disease are available for dialysis patients only (64.4% of total N=20713)

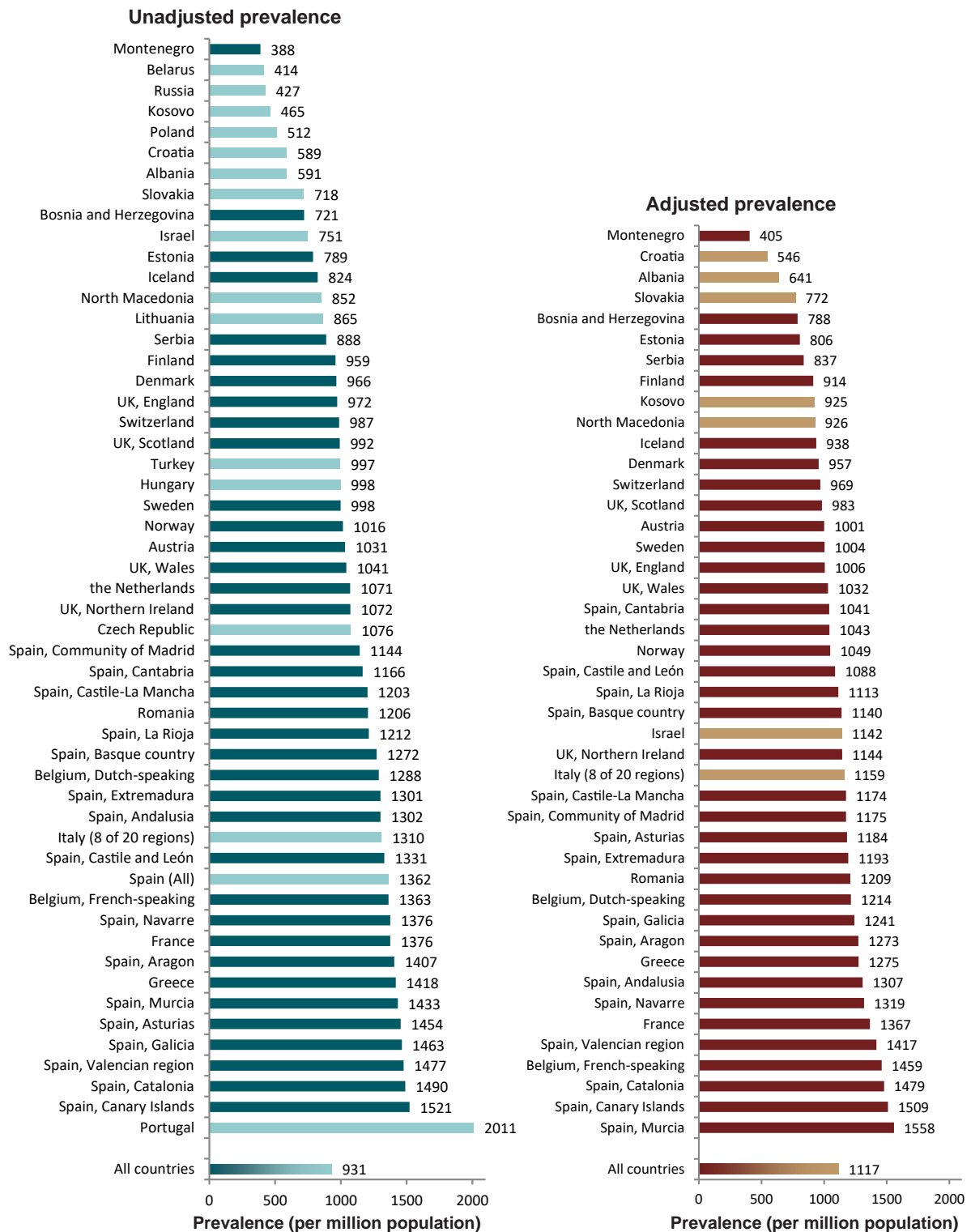
‡ Data on the prevalence of primary renal disease (DM) is based on 7585 dialysis patients (9.1% of total)

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.

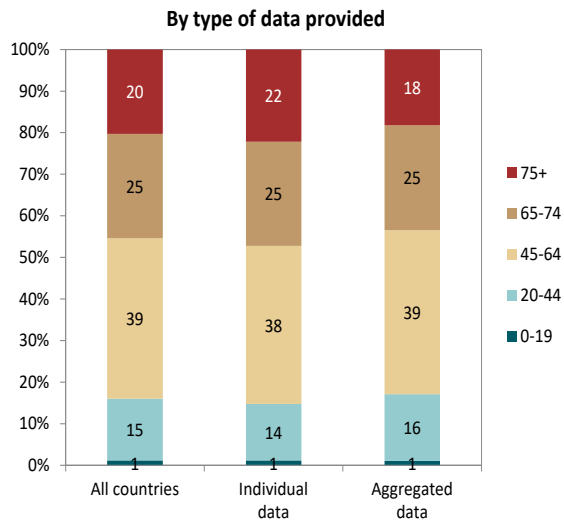
Figure A.3.2
Prevalence per million population by country / region, unadjusted and adjusted
prevalent patients on December 31



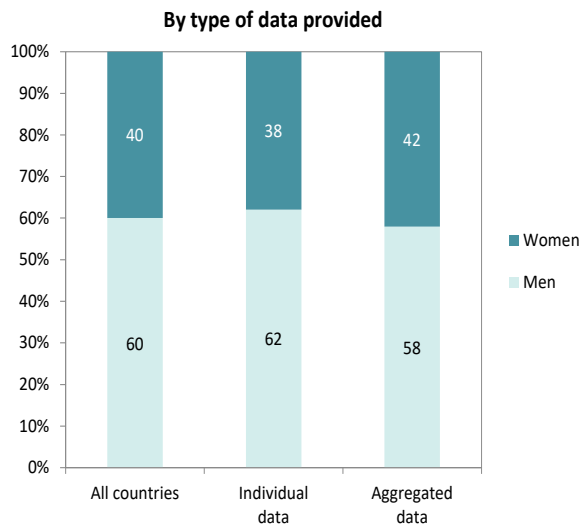
Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

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.

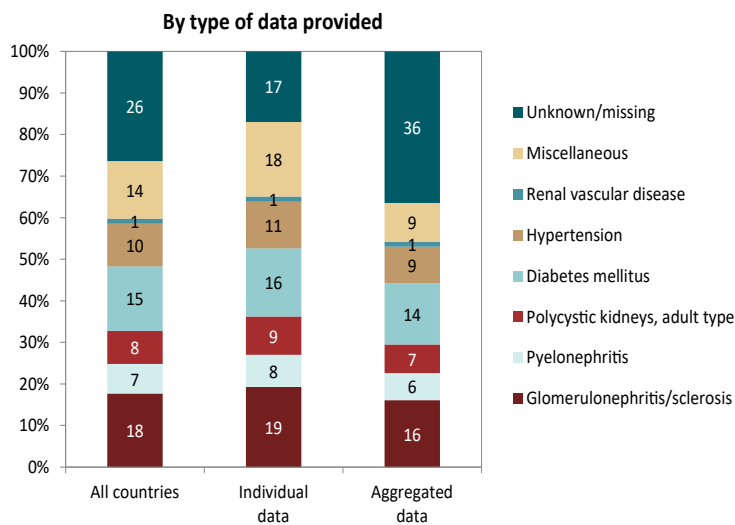
Figure A.3.3
Age, sex, and primary renal disease distribution by type of data provided, unadjusted
prevalent patients on December 31



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

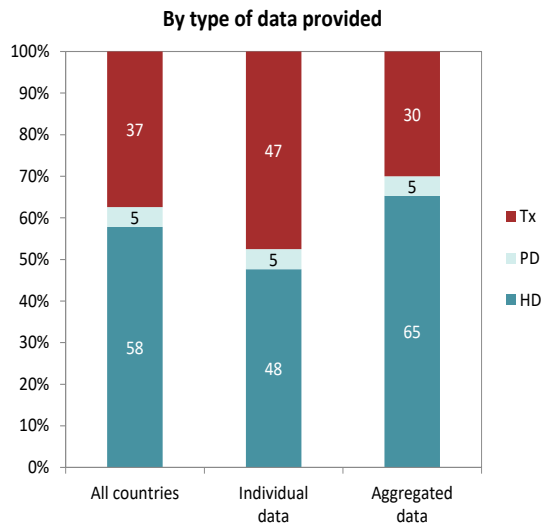


This figure summarizes the data presented in tables B.4.3 and C.4.3.



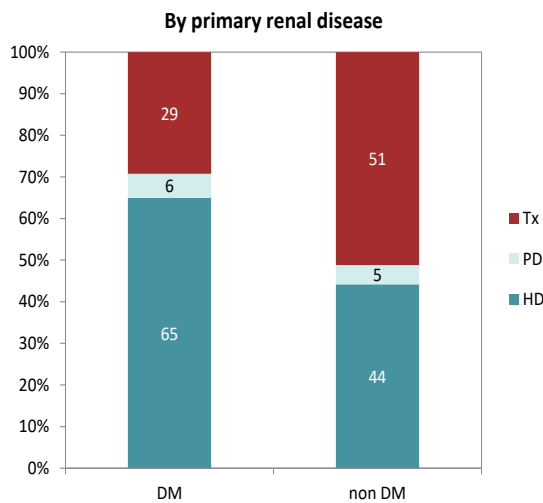
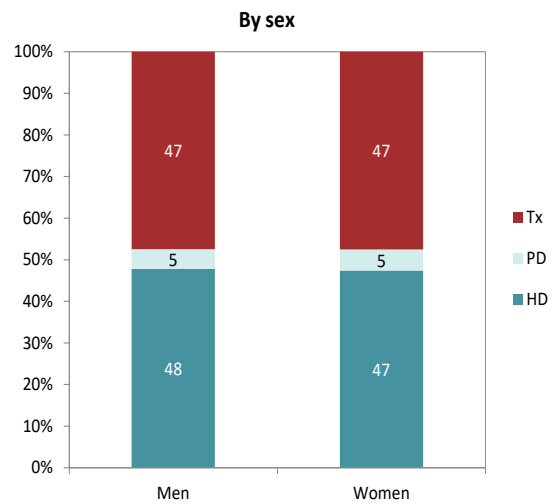
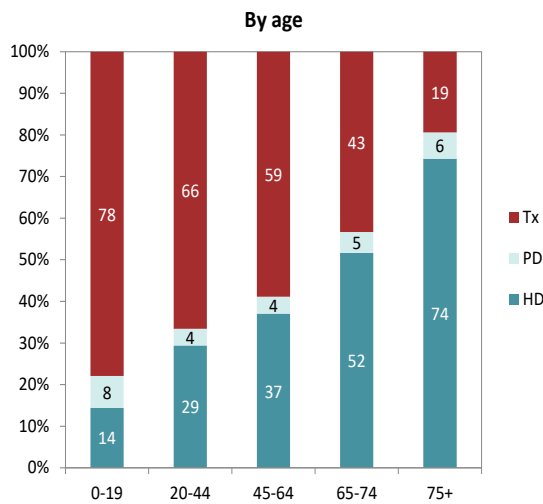
This figure summarizes the data presented in tables B.4.5 and C.4.5.

Figure A.3.4
Treatment modality distribution by 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.

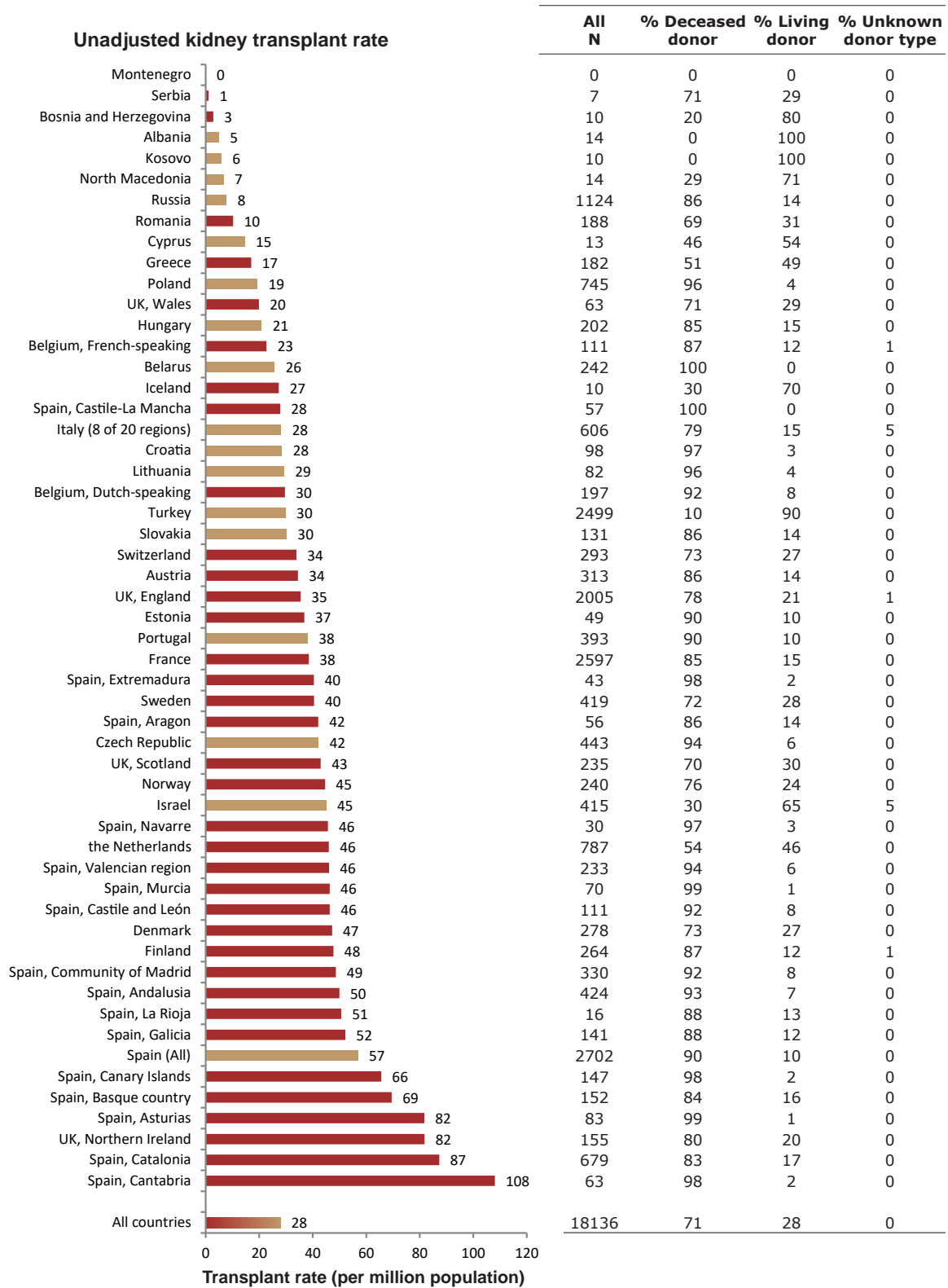
The figures below are only based on data from registries providing individual patient data.



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

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

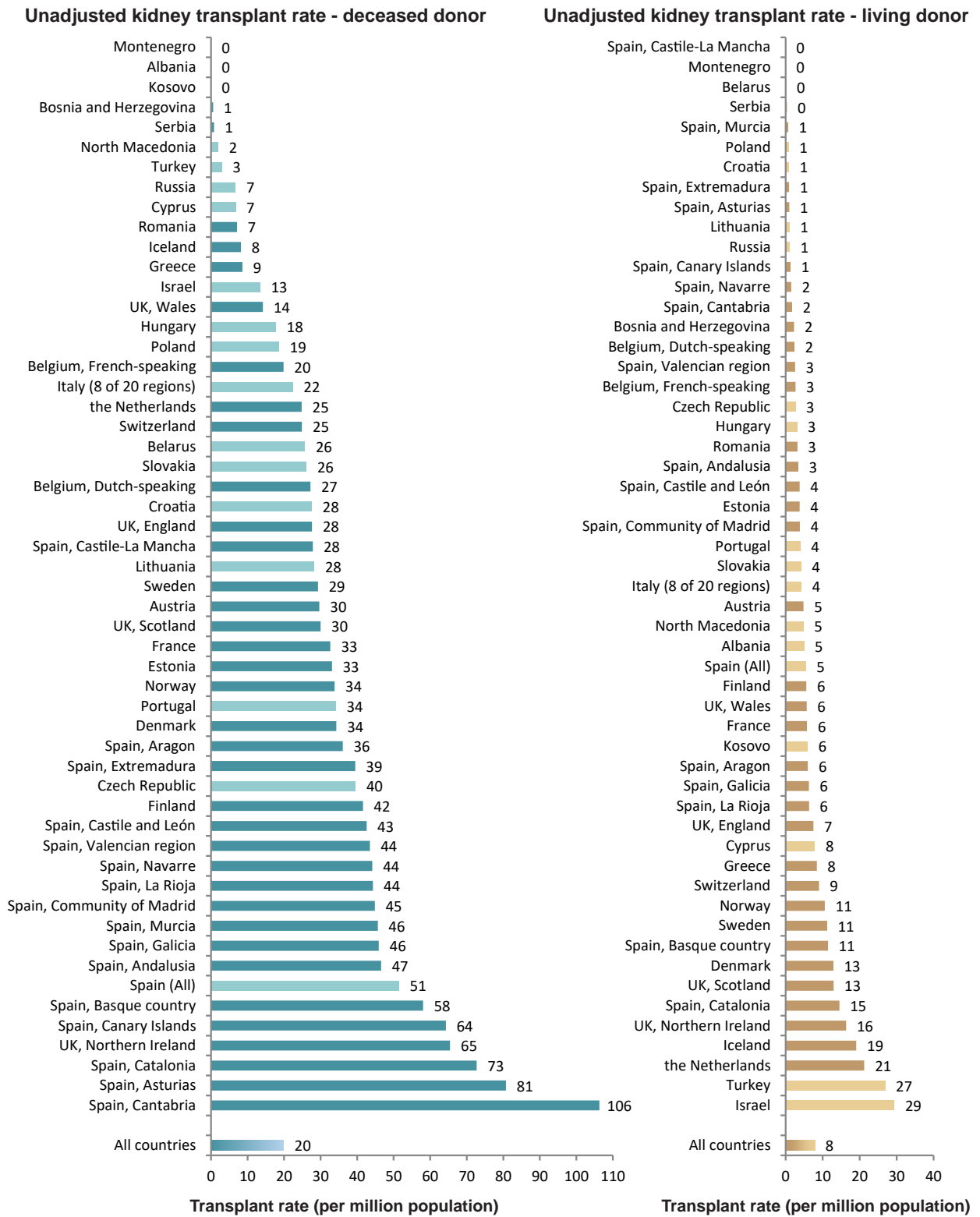
Figure A.4.1
Kidney transplant counts and per million population by country / region, unadjusted



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.

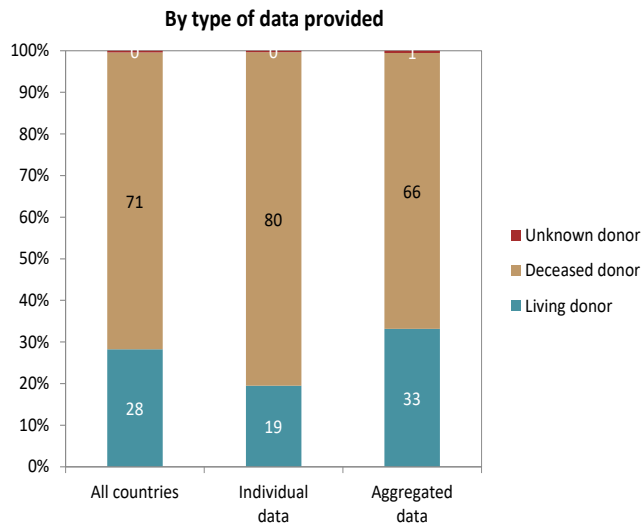
Figure A.4.2
Kidney transplants per million population by donor type and by country / region, unadjusted



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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
Patient survival on KRT					
Unadjusted	84.8 (84.6-85.0)	74.8 (74.6-75.1)	51.8 (51.6-52.0)	85.5 (85.4-85.7)	75.6 (75.4-75.8)
Adjusted †	87.6 (87.4-87.7)	78.5 (78.3-78.7)	53.9 (53.6-54.2)	88.1 (88.0-88.3)	79.0 (78.8-79.2)
Patient survival on dialysis					
Unadjusted	83.7 (83.5-83.9)	72.2 (72.0-72.5)	41.8 (41.5-42.1)	84.5 (84.3-84.6)	72.9 (72.7-73.1)
Adjusted †	85.9 (85.8-86.1)	75.6 (75.4-75.8)	46.8 (46.5-47.1)	86.8 (86.7-87.0)	76.6 (76.4-76.8)
Patient survival after first kidney transplantation (deceased donor)					
Unadjusted	96.2 (96.0-96.4)	94.1 (93.8-94.3)	86.2 (85.8-86.5)	96.3 (96.2-96.5)	94.1 (93.9-94.3)
Adjusted ††	98.0 (97.9-98.1)	96.8 (96.7-97.0)	92.1 (91.9-92.4)	98.1 (97.9-98.2)	96.8 (96.7-97.0)
Graft survival after first kidney transplantation (deceased donor)					
Unadjusted	91.0 (90.7-91.3)	87.9 (87.5-88.2)	77.3 (76.9-77.7)	91.3 (91.0-91.6)	88.0 (87.7-88.4)
Adjusted ††	92.9 (92.6-93.1)	90.3 (90.0-90.6)	81.3 (80.9-81.8)	93.1 (92.8-93.3)	90.4 (90.1-90.7)
Patient survival after first kidney transplantation (living donor)					
Unadjusted	99.0 (98.8-99.1)	98.1 (97.8-98.3)	94.4 (94.0-94.8)	98.9 (98.7-99.0)	98.0 (97.8-98.3)
Adjusted ††	99.1 (98.9-99.3)	98.3 (98.1-98.5)	95.0 (94.6-95.4)	99.1 (98.9-99.2)	98.4 (98.1-98.6)
Graft survival after first kidney transplantation (living donor)					
Unadjusted	96.6 (96.3-97.0)	94.9 (94.5-95.3)	88.1 (87.5-88.7)	96.7 (96.3-97.0)	95.2 (94.8-95.5)
Adjusted ††	96.4 (96.0-96.7)	94.5 (94.1-95.0)	87.3 (86.6-87.9)	96.5 (96.1-96.8)	94.9 (94.5-95.3)

† Analyses were adjusted using fixed values: age (67 years), sex (63% men) 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% men) 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 (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

Figure A.5.1
**Adjusted patient survival by modality:
 Incident dialysis patients**
from day 91, adjusted for age, sex, and primary renal disease

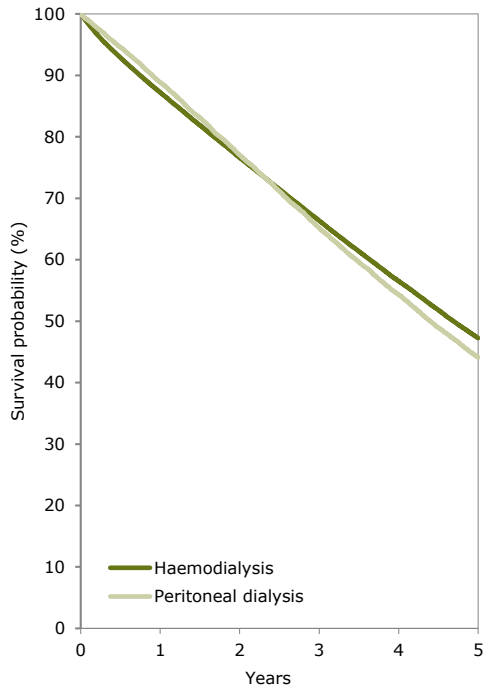
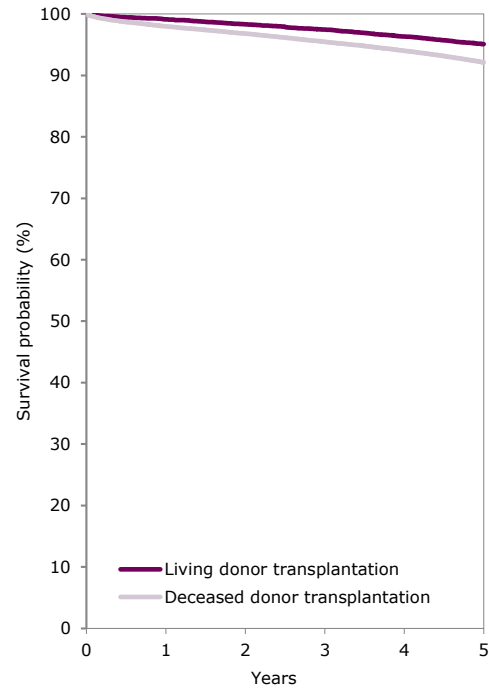


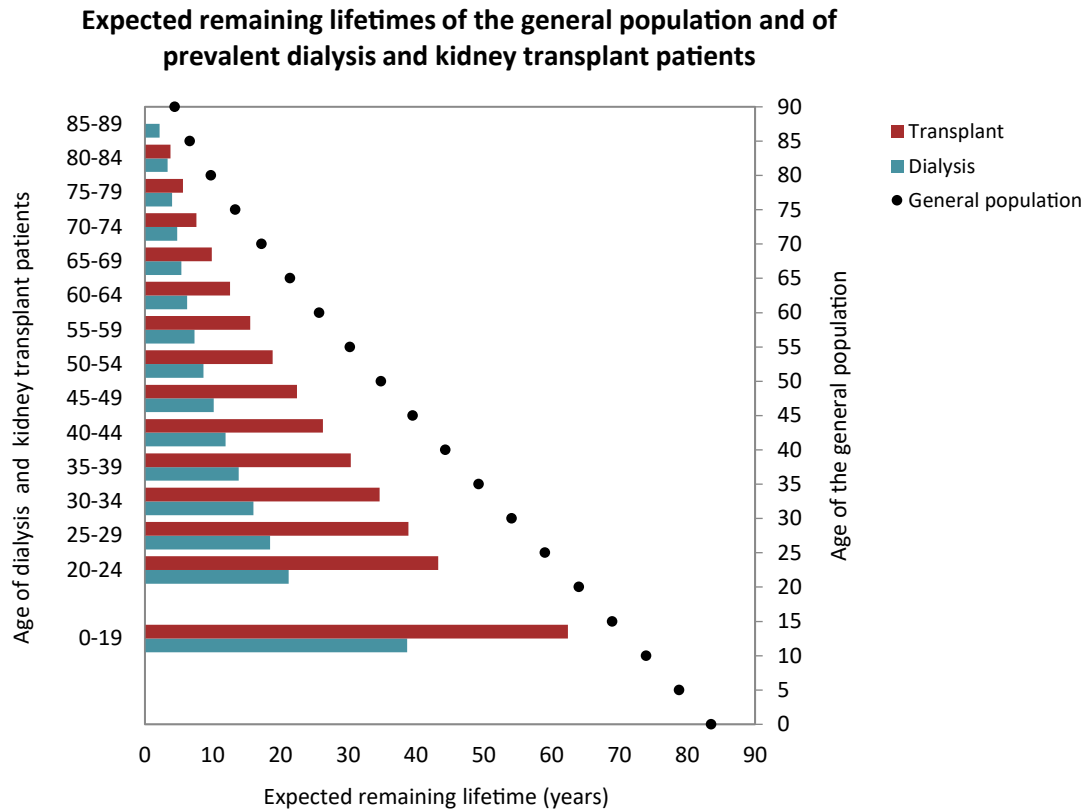
Figure A.5.2
**Adjusted patient survival by donor type:
 Patients receiving a first kidney transplant**
from day of transplant, adjusted for age, sex, and primary renal disease



Survival on dialysis was adjusted using fixed values: age (67 years), sex (63% men) and PRD (24% diabetes mellitus, 19% hypertension/renal vascular disease, 11% glomerulonephritis and 46% other causes). Survival after kidney transplantation was adjusted using fixed values: age (50 years), sex (63% men) and PRD (14% diabetes mellitus, 10% hypertension/renal vascular disease, 23% glomerulonephritis and 53% other causes).

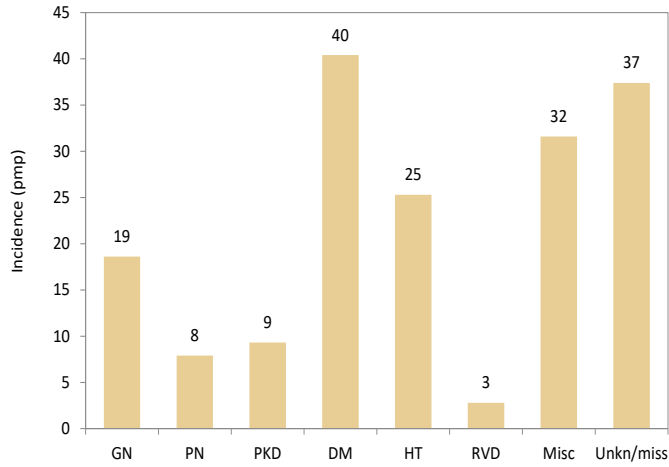
These figures are based on patients starting dialysis or receiving a kidney transplant between 2011 and 2015 from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, 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 (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

Figure A.6.1
Expected remaining lifetimes (years) of the general population (cohort 2016-2020) and of prevalent dialysis and kidney transplant patients (cohort 2016-2020)
by age



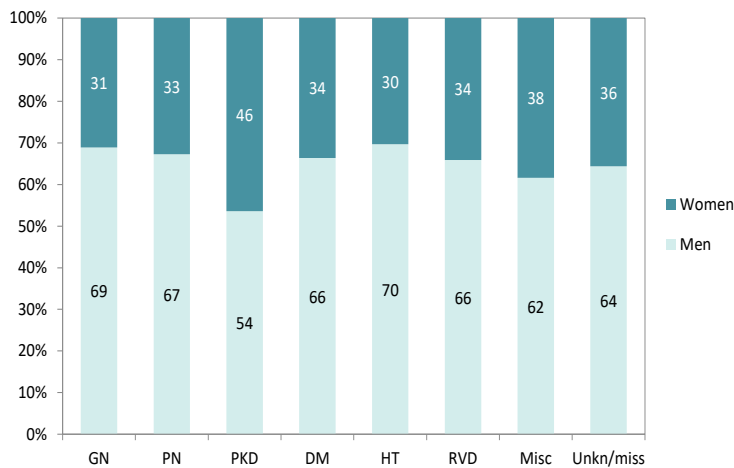
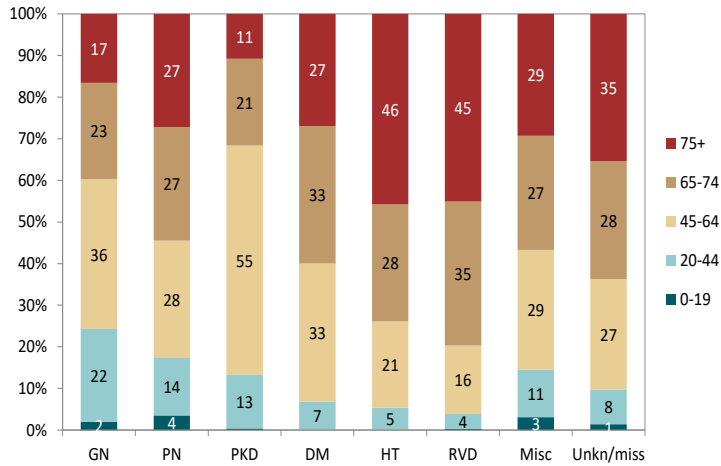
This figure summarizes the data presented in table B.7.1, and is based on data from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), 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 (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

Figure A.7.1
Incidence per million population by primary renal disease, unadjusted
at day 1



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

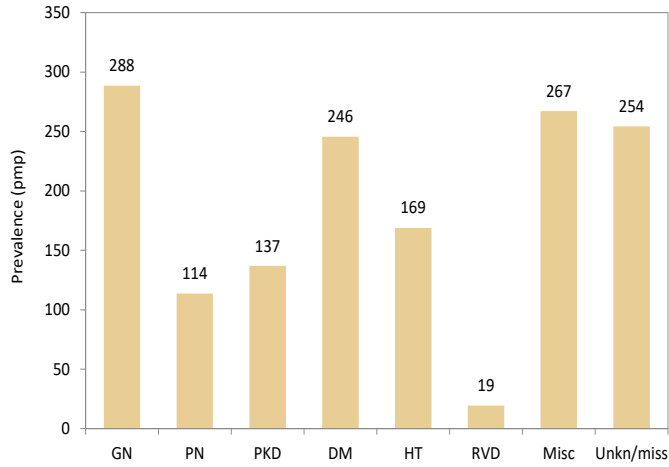
Figure A.7.2
Age, sex and treatment modality distribution by primary renal disease in incident patients, unadjusted
at day 1



Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn/miss: unknown/missing; HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant

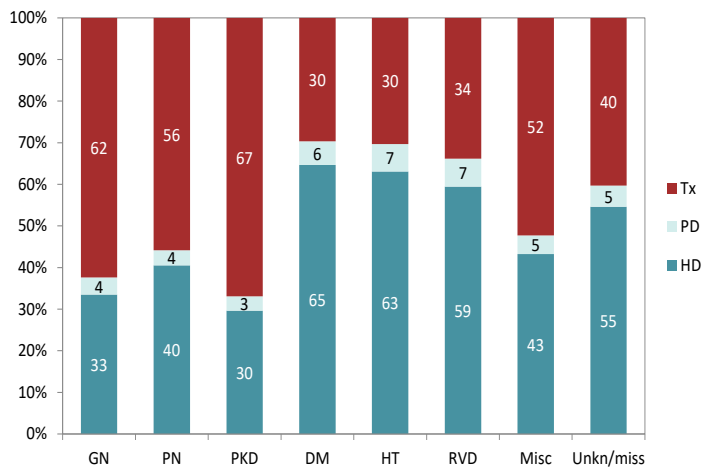
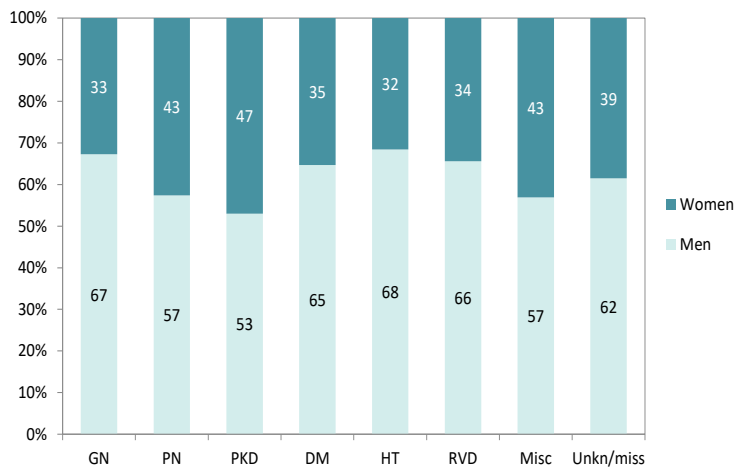
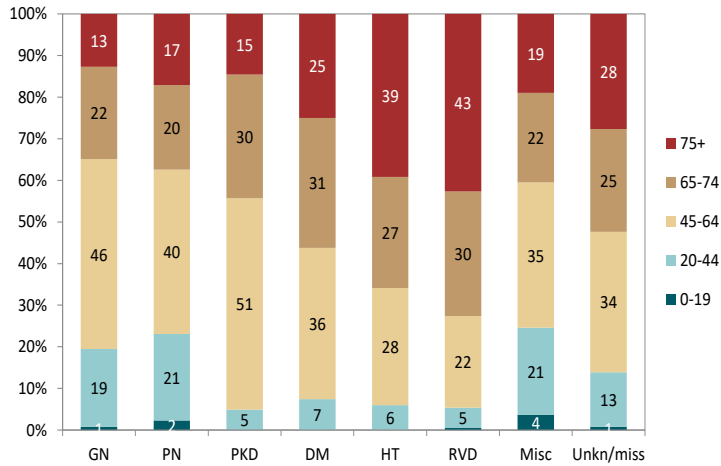
Figure A.7.3

Prevalence per million population by primary renal disease, unadjusted
prevalent patients on December 31



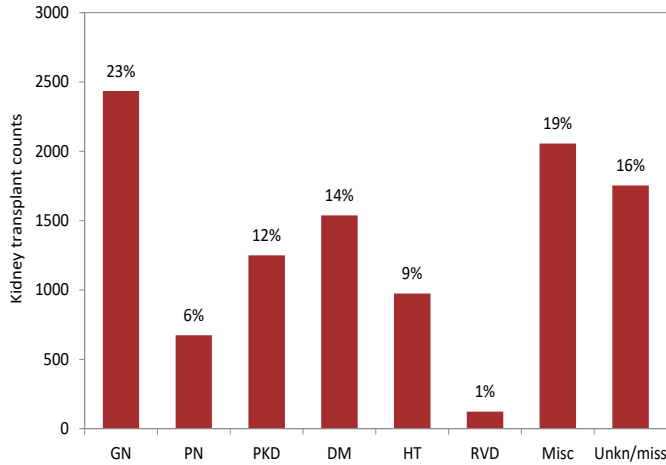
Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn/miss: unknown/missing

Figure A.7.4
Age, sex and treatment modality distribution by primary renal disease in prevalent patients, unadjusted
prevalent patients on December 31



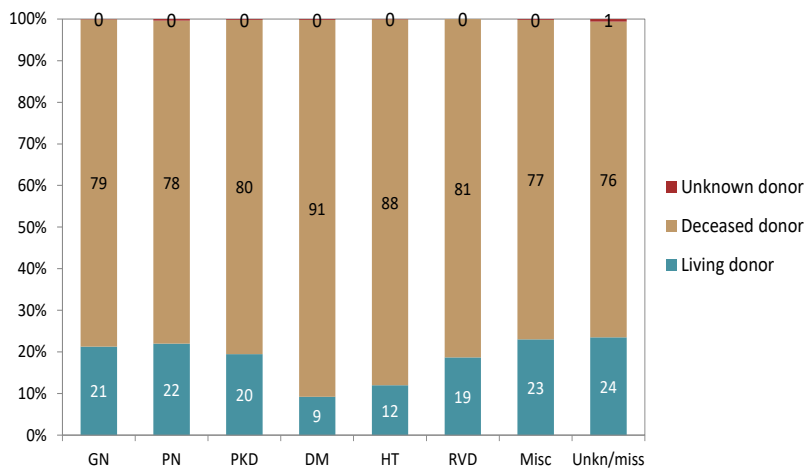
Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn/miss: unknown/missing; HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant

Figure A.7.5
Kidney transplants per million population by primary renal disease, unadjusted



Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn/miss: unknown/missing
 The percentages in this figure sum up to 100% for all age groups together

Figure A.7.6
Donor type distribution by primary renal disease in kidney transplant recipients



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

Figure A.7.7
Patient survival probability by primary renal disease: Incident dialysis patients
from day 91, adjusted for age and sex

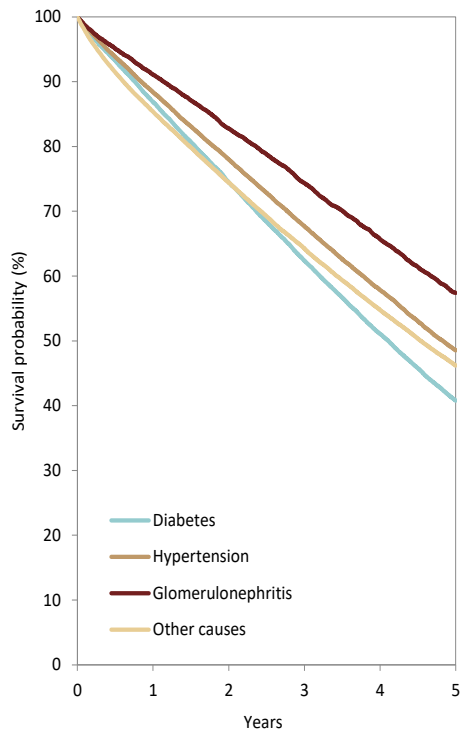
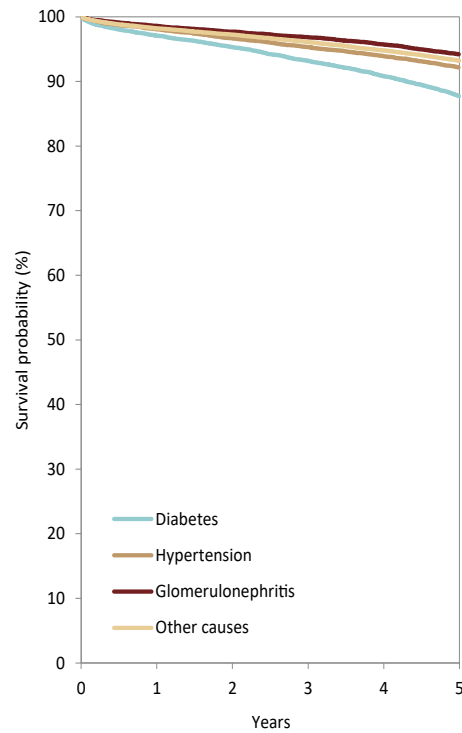


Figure A.7.8
Patient survival probability by primary renal disease: Patients receiving a first kidney transplant
from day of transplant, adjusted for age and sex



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 //	8901	100	77	76
Belgium, Dutch-speaking	6654	100	27	27
Belgium, French-speaking	4890	100	24	24
Bosnia and Herzegovina	3531	100	29	29
Denmark	5888	100	15	15
Estonia	1330	100	3	3
Finland	5530	100	30	30
France	67488	100	1481	1481
Greece	10699	100	200	200
Iceland	366	100	1	1
Montenegro	621	100	12	12
Norway	5379	100	27	27
Romania	19265	95.0	143	141
Serbia	6899	90.0	64	54
Spain, Andalusia	8490	100	62	62
Spain, Aragon	1331	100	10	10
Spain, Asturias	1016	100	11	11
Spain, Basque country	2188	100	10	10
Spain, Canary Islands §	2241	100	22	15
Spain, Cantabria	583	100	2	2
Spain, Castile and León	2395	100	22	22
Spain, Castile-La Mancha	2047	100	12	12
Spain, Catalonia	7780	100	48	48
Spain, Community of Madrid	6780	100	38	38
Spain, Extremadura	1064	100	13	13
Spain, Galicia	2700	100	26	26
Spain, La Rioja	316	100	3	3
Spain, Murcia	1511	100	14	14
Spain, Navarre	657	100	3	3
Spain, Valencian region	5057	100	48	48
Sweden	10353	100	67	67
Switzerland	8638	100	95	95
the Netherlands ‡	17442	94.0	60	60
United Kingdom, England	56550	100	51	51
United Kingdom, Northern Ireland	1896	100	5	5
United Kingdom, Scotland	5466	100	10	10
United Kingdom, Wales	3170	100	5	5

// 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 7 centers which treat foreign patients only

‡ The percentage coverage is different for the incidence (94%), 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	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women									
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%						
Austria §	1085	723	362	13	1	9	1	4	1	114	11	70	10	44	12	326	30	233	32	93	26	299	28	205	28	94	26	333	31	206	28	127	35
Belgium, Dutch-speaking *	1156	739	417							61	5	38	5	23	6	260	22	174	24	86	21	314	27	202	27	112	27	521	45	325	44	196	47
Belgium, French-speaking *	944	593	351							64	7	42	7	22	6	281	30	176	30	105	30	312	33	197	33	115	33	287	30	178	30	109	31
Bosnia and Herzegovina	408	253	155	6	1	3	1	3	2	37	9	24	9	13	8	160	39	102	40	58	37	128	31	82	32	46	30	77	19	42	17	35	23
Denmark	707	473	234	9	1	4	1	5	2	67	9	50	11	17	7	231	33	157	33	74	32	214	30	144	30	70	30	186	26	118	25	68	29
Estonia	76	40	36	2	3	1	3	1	3	10	13	4	10	6	17	30	39	15	38	15	42	21	28	11	28	10	28	13	17	9	23	4	11
Finland	522	327	195	11	2	7	2	4	2	88	17	44	13	44	23	164	31	101	31	63	32	156	30	104	32	52	27	103	20	71	22	32	16
France	10696	6975	3721	120	1	70	1	50	1	949	9	599	9	350	9	2669	25	1694	24	975	26	3118	29	2072	30	1046	28	3840	36	2540	36	1300	35
Greece	2749	1837	912	12	0	8	0	4	0	120	4	81	4	39	4	593	22	398	22	195	21	736	27	522	28	214	23	1288	47	828	45	460	50
Iceland	38	23	15	1	3	1	4	0	0	4	11	3	13	1	7	9	24	2	9	7	47	8	21	7	30	1	7	16	42	10	43	6	40
Montenegro *	75	52	23							11	15	6	12	5	22	34	45	24	46	10	43	17	23	13	25	4	17	13	17	9	17	4	17
Norway	543	369	174	13	2	8	2	5	3	71	13	53	14	18	10	175	32	112	30	63	36	153	28	106	29	47	27	131	24	90	24	41	24
Romania	2990	1779	1211	29	1	18	1	11	1	326	11	208	12	118	10	1185	40	746	42	439	36	943	32	536	30	407	34	507	17	271	15	236	19
Serbia	474	299	175	8	2	6	2	2	1	60	13	38	13	22	13	201	42	130	43	71	41	143	30	86	29	57	33	62	13	39	13	23	13
Spain, Andalusia	1185	756	429	17	1	12	2	5	1	121	10	62	8	59	14	378	32	267	35	111	26	342	29	209	28	133	31	327	28	206	27	121	28
Spain, Aragon	182	136	46	3	2	1	1	2	4	21	12	15	11	6	13	56	31	39	29	17	37	50	27	36	26	14	30	52	29	45	33	7	15
Spain, Asturias	170	112	58	2	1	2	2	0	0	9	5	8	7	1	2	45	26	33	29	12	21	58	34	35	31	23	40	56	33	34	30	22	38
Spain, Basque country	288	202	86	6	2	1	0	5	6	24	8	16	8	8	9	80	28	59	29	21	24	88	31	60	30	28	33	90	31	66	33	24	28
Spain, Canary Islands	382	263	119	4	1	3	1	1	1	37	10	26	10	11	9	131	34	86	33	45	38	115	30	83	32	32	27	95	25	65	25	30	25
Spain, Cantabria *	73	54	19							8	11	6	11	2	11	18	25	12	22	6	32	30	41	21	39	9	47	17	23	15	28	2	11
Spain, Castile and León *	285	194	91							15	5	12	6	3	3	80	28	55	28	25	27	87	31	61	31	26	29	103	36	66	34	37	41
Spain, Castile-La Mancha *	215	142	73							14	7	5	4	9	12	90	42	67	47	23	32	57	27	39	27	18	25	54	25	31	22	23	32
Spain, Catalonia	1336	893	443	20	1	12	1	8	2	102	8	68	8	34	8	376	28	229	26	147	33	367	27	262	29	105	24	471	35	322	36	149	34
Spain, Community of Madrid	745	511	234	7	1	4	1	3	1	88	12	56	11	32	14	231	31	166	32	65	28	199	27	140	27	59	25	220	30	145	28	75	32
Spain, Extremadura	150	103	47	0	0	0	0	0	0	9	6	8	8	1	2	57	38	39	38	18	38	44	29	31	30	13	28	40	27	25	24	15	32
Spain, Galicia	393	289	104	1	0	1	0	0	0	23	6	16	6	7	7	124	32	91	31	33	32	116	30	85	29	31	30	129	33	96	33	33	32
Spain, La Rioja	33	18	15	0	0	0	0	0	0	2	6	0	0	2	13	11	33	7	39	4	27	8	24	4	22	4	27	12	36	7	39	5	33
Spain, Murcia	212	149	63	2	1	1	1	1	2	20	9	13	9	7	11	69	33	49	33	20	32	64	30	49	33	15	24	57	27	37	25	20	32
Spain, Navarre *	70	46	24							15	21	6	13	9	38	17	24	12	26	5	21	18	26	14	30	4	17	20	29	14	30	6	25
Spain, Valencian region	773	526	247	3	0	2	0	1	0	63	8	50	10	13	5	224	29	146	28	78	32	220	28	156	30	64	26	263	34	172	33	91	37
Sweden	1137	780	357	23	2	14	2	9	3	137	12	92	12	45	13	313	28	211	27	102	29	320	28	228	29	92	26	344	30	235	30	109	31
Switzerland	846	557	289	13	2	10	2	3	1	90	11	56	10	34	12	250	30	156	28	94	33	221	26	142	25	79	27	272	32	193	35	79	27
the Netherlands ‡	1861	1190	671	30	2	14	1	16	2	201	11	118	10	83	12	586	31	361	30	225	34	558	30	355	30	203	30	486	26	342	29	144	21
United Kingdom, England #	6097	3957	2140	139	2	80	2	59	3	868	14	533	13	335	16	2252	37	1456	37	796	37	1502	25	969	24	533	25	1336	22	919	23	417	19
United Kingdom, Northern Ireland #	206	129	77							37	18	23	18	14	18	66	32	42	33	24	31	55	27	35	27	20	26	43	21	27	21	16	21
United Kingdom, Scotland	542	336	206	9	2	6	2	3	1	84	15	54	16	30	15	199	37	124	37	75	36	139	26	93	28	46	22	111	20	59	18	52	25
United Kingdom, Wales #	356	233	123	9	3					52	15	31	13	21	17	113	32	62	27	51	41	99	28	71	30	28	23	83	23	64	27	19	15

Categories may not add up because of missing values or rounding off
 § The incidence is underestimated by approximately 1% due to one hemodialysis centre not submitting data
 * Patients younger than 20 years of age are not reported
 ‡ The incidence is underestimated by approximately 7%
 # 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	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Austria §	121.9	165.1	80.0	7.6	10.2	4.8	39.3	47.5	30.8	126.1	181.5	71.5	355.1	521.4	209.4	391.0	601.0	249.6
Belgium, Dutch-speaking *	173.7	224.2	124.2				29.9	36.9	22.7	143.3	190.1	95.7	442.2	583.3	307.9	792.8	1193.9	509.2
Belgium, French-speaking *	193.0	247.3	140.9				39.4	51.4	27.2	221.4	278.1	165.1	660.2	897.0	454.7	760.3	1248.1	464.1
Bosnia and Herzegovina	115.5	146.1	86.2	7.6	7.4	7.8	30.2	38.6	21.6	157.0	205.3	111.0	435.3	636.1	278.6	370.2	523.5	274.0
Denmark	120.1	161.4	79.1	6.9	6.0	7.8	36.2	53.2	18.7	148.4	201.5	95.2	332.3	460.9	211.1	352.9	518.7	227.0
Estonia	57.2	63.5	51.5	7.1	6.9	7.3	23.2	17.9	29.1	86.0	89.3	83.0	147.1	192.6	116.7	103.4	247.8	44.8
Finland	94.4	119.7	69.7	9.5	11.8	7.0	50.9	49.4	52.5	117.6	144.8	90.4	220.5	310.1	139.8	192.1	333.9	98.9
France	158.5	213.8	106.7	7.4	8.5	6.3	47.5	60.7	34.5	153.0	199.2	109.1	416.9	594.1	262.1	600.8	1018.3	333.6
Greece	256.9	352.9	166.0	5.8	7.5	4.0	37.1	49.5	24.5	197.5	277.1	124.5	623.0	952.7	337.8	1059.5	1602.1	658.3
Iceland	103.7	122.3	84.0	11.0	21.5	0	29.8	42.2	15.8	102.6	44.8	162.5	257.3	449.0	64.5	716.7	996.8	488.1
Montenegro *	120.7	169.3	73.2				52.2	55.9	48.4	209.7	303.2	120.5	275.5	464.2	118.7	359.3	626.4	183.4
Norway	100.9	136.0	65.3	10.5	12.5	8.3	39.6	57.6	20.7	125.8	157.7	92.5	284.7	398.7	173.1	314.6	503.7	172.5
Romania	163.4	198.7	129.5	7.5	9.1	5.9	55.2	68.3	41.2	235.1	297.1	173.5	464.9	609.9	354.0	344.7	507.0	252.1
Serbia	76.3	98.9	54.9	6.6	9.7	3.4	30.1	37.4	22.5	118.2	157.5	81.2	177.0	237.0	128.1	123.4	196.1	75.7
Spain, Andalusia	139.6	180.5	99.7	9.6	13.1	5.8	44.2	44.7	43.6	152.1	216.6	88.6	437.0	563.6	322.9	462.5	724.1	286.3
Spain, Aragon	136.8	207.0	68.3	12.0	7.8	16.6	52.9	74.2	30.7	142.0	195.3	87.3	363.3	550.0	194.0	342.0	736.6	77.0
Spain, Asturias	167.3	230.7	109.4	13.4	26.1	0	33.0	58.3	7.4	137.4	206.6	71.5	434.0	567.2	319.8	420.0	674.8	265.3
Spain, Basque country	131.7	190.9	76.2	14.8	4.8	25.4	39.2	52.4	26.1	119.8	179.3	62.0	353.0	514.8	210.9	355.0	672.2	154.5
Spain, Canary Islands	170.5	237.0	105.2	10.0	14.6	5.2	48.4	68.2	28.7	186.5	243.5	128.9	561.7	844.4	300.6	555.6	902.8	303.0
Spain, Cantabria *	125.2	190.0	63.6				47.5	70.4	24.0	99.3	133.7	65.6	447.9	665.1	254.2	265.2	608.4	50.7
Spain, Castile and León *	119.0	164.6	74.8				22.8	35.7	9.3	108.2	147.6	68.2	313.7	446.4	184.8	306.2	485.9	184.5
Spain, Castile-La Mancha *	105.0	138.2	71.6				21.7	15.0	28.8	150.2	218.9	78.5	311.3	436.5	192.0	261.1	362.8	189.6
Spain, Catalonia	171.7	233.3	112.1	12.8	14.8	10.5	39.9	52.4	27.0	171.9	210.2	133.9	493.9	760.7	263.4	649.3	1126.4	339.0
Spain, Community of Madrid	109.9	157.5	66.2	5.2	5.8	4.5	38.5	49.9	27.5	119.7	179.6	64.6	324.6	511.3	173.9	369.3	634.2	204.3
Spain, Extremadura	141.0	195.7	87.4	0	0	0	27.7	48.2	6.3	178.0	240.8	113.7	418.8	604.4	241.8	338.4	532.3	210.6
Spain, Galicia	145.6	221.8	74.5	2.3	4.5	0	29.9	41.3	18.3	152.4	228.3	79.5	359.0	560.3	180.9	351.0	662.3	148.3
Spain, La Rioja	104.4	115.6	93.5	0	0	0	21.3	0	42.7	117.1	148.2	85.7	245.7	251.3	240.4	343.4	493.9	240.7
Spain, Murcia	140.3	196.9	83.5	5.8	5.7	6.0	39.0	49.2	28.2	165.1	232.5	96.5	517.5	840.0	229.6	498.7	798.3	294.4
Spain, Navarre *	106.5	141.7	72.2				75.4	59.8	91.2	89.0	124.5	52.9	275.4	443.0	118.5	301.3	521.1	151.8
Spain, Valencian region	152.8	211.1	96.3	3.0	3.9	2.1	39.4	61.6	16.5	150.9	197.7	104.6	430.5	651.7	235.6	558.7	902.3	324.9
Sweden	109.8	149.7	69.4	9.5	11.3	7.7	41.2	53.6	27.9	123.2	164.3	81.2	292.5	424.6	165.2	350.0	545.7	197.4
Switzerland	97.9	130.0	66.4	7.6	11.3	3.6	31.3	38.4	24.0	103.0	127.9	77.9	265.0	355.9	181.7	347.0	593.5	172.3
the Netherlands	113.5	146.1	81.4	8.5	7.7	9.3	39.4	45.8	32.8	129.1	159.1	99.1	303.5	392.8	217.1	352.0	580.3	181.9
United Kingdom, England #	107.8	141.4	74.9	10.4	11.7	9.1	47.5	57.8	36.9	155.6	204.0	108.5	268.3	360.0	183.4	274.6	437.7	150.8
United Kingdom, Northern Ireland #	108.7	138.1	80.1				61.6	76.8	46.4	134.7	175.3	95.8	318.4	417.2	225.1	292.1	433.7	188.4
United Kingdom, Scotland	99.2	126.1	73.6	7.9	10.3	5.4	47.4	61.2	33.7	133.1	171.6	97.1	237.1	331.6	150.4	236.3	302.0	189.5
United Kingdom, Wales #	112.3	149.0	76.6	12.8			53.6	63.1	43.8	136.3	153.7	119.8	273.6	405.0	150.1	270.6	479.5	109.6

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

* 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						Men						Women					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Austria	100	65.0	15.9	68.6	56.6	76.7	66.6	64.7	15.6	67.5	56.5	76.3	33.4	65.6	16.4	70.2	57.3	77.9
Belgium, Dutch-speaking *	100	71.0	13.4	73.5	63.4	81.3	63.9	70.8	13.4	73.2	62.9	81.0	36.1	71.3	13.5	74.2	64.2	82.0
Belgium, French-speaking *	100	67.6	13.4	69.6	59.6	77.1	62.8	67.2	13.3	69.3	59.5	76.6	37.2	68.3	13.4	69.8	59.9	78.8
Bosnia and Herzegovina	100	63.0	14.1	65.0	56.9	72.6	62.0	62.5	13.7	64.8	55.8	71.1	38.0	63.9	14.7	65.4	57.5	74.2
Denmark	100	64.3	15.4	67.1	55.5	75.5	66.9	63.8	15.2	66.4	54.7	74.9	33.1	65.3	15.9	67.6	56.8	76.4
Estonia	100	60.2	16.5	63.4	51.5	72.2	52.6	61.5	15.9	64.9	50.4	73.9	47.4	58.8	17.2	62.9	54.7	69.2
Finland	100	61.0	16.8	64.6	51.2	73.2	62.6	62.6	16.3	66.7	53.1	74.5	37.4	58.3	17.4	62.2	47.1	70.6
France	100	67.5	16.0	70.5	59.6	79.0	65.2	67.7	15.7	70.8	60.3	78.9	34.8	66.9	16.5	70.1	58.0	79.1
Greece	100	71.5	13.9	74.2	64.5	81.9	66.8	71.2	13.7	73.8	64.4	81.5	33.2	72.0	14.2	75.1	64.7	82.8
Iceland	100	65.3	18.3	72.2	56.4	77.9	60.5	65.5	21.0	73.1	59.5	77.9	39.5	65.0	13.9	64.5	54.9	78.6
Montenegro *	100	61.3	13.4	63.0	54.4	69.2	69.3	62.3	12.6	63.6	56.8	69.0	30.7	59.1	15.1	61.1	47.2	70.2
Norway	100	62.3	17.0	65.9	53.0	74.8	68.0	62.1	17.2	66.8	52.0	74.8	32.0	62.7	16.8	65.1	54.7	74.7
Romania	100	62.2	14.3	64.6	53.2	71.9	59.5	61.3	14.3	63.6	52.6	71.4	40.5	63.3	14.2	65.9	55.1	73.1
Serbia	100	60.3	14.4	63.1	52.5	70.1	63.1	60.0	14.7	62.2	52.9	70.0	36.9	60.9	13.9	63.8	51.7	70.6
Spain, Andalusia	100	64.4	15.5	67.7	56.4	75.9	63.8	64.6	15.2	67.1	57.0	75.9	36.2	64.1	16.0	68.2	55.7	76.2
Spain, Aragon	100	64.5	16.2	68.2	55.8	76.3	74.7	66.1	15.6	69.9	57.7	77.4	25.3	59.8	17.2	61.3	51.8	73.4
Spain, Asturias	100	67.1	15.1	69.6	61.2	77.0	65.9	65.7	16.0	68.6	59.5	76.6	34.1	70.0	12.9	70.4	65.8	78.5
Spain, Basque country	100	65.4	15.8	69.3	57.8	76.6	70.1	66.5	14.5	69.9	59.7	76.6	29.9	63.0	18.4	67.6	56.1	75.7
Spain, Canary Islands	100	64.0	14.8	66.5	55.8	75.0	68.8	64.0	14.8	66.9	55.2	74.7	31.2	64.1	14.7	65.2	56.1	75.1
Spain, Cantabria *	100	65.4	13.2	67.0	60.6	74.2	74.0	66.5	13.4	67.5	61.5	75.4	26.0	62.1	12.4	65.5	58.0	68.3
Spain, Castile and León *	100	69.0	12.7	70.9	62.0	78.7	68.1	68.7	12.9	70.8	62.6	78.7	31.9	69.5	12.3	72.2	61.5	78.7
Spain, Castile-La Mancha *	100	65.1	13.2	66.2	55.6	75.6	66.0	65.3	11.6	64.8	58.0	73.9	34.0	64.8	15.9	67.4	52.4	78.3
Spain, Catalonia	100	66.8	15.4	70.4	57.8	78.3	66.8	67.3	15.1	70.9	58.7	78.2	33.2	65.7	15.8	68.3	56.0	78.4
Spain, Community of Madrid	100	64.5	15.8	68.3	55.2	76.4	68.6	64.5	15.5	68.3	55.3	76.0	31.4	64.6	16.6	68.4	54.6	77.2
Spain, Extremadura	100	65.9	12.2	66.7	57.4	75.3	68.7	65.1	12.4	65.6	57.3	75.0	31.3	67.9	11.6	68.1	57.4	78.2
Spain, Galicia	100	67.5	12.4	69.6	60.8	77.0	73.5	67.6	12.4	69.8	60.4	77.3	26.5	67.3	12.5	67.9	61.2	76.0
Spain, La Rioja	100	68.2	11.8	69.2	59.6	78.2	54.5	69.3	11.0	68.5	59.6	80.0	45.5	66.8	13.1	71.4	59.3	77.4
Spain, Murcia	100	65.0	14.2	66.9	58.1	75.3	70.3	64.8	13.9	66.8	57.4	75.0	29.7	65.2	15.1	67.3	60.0	77.0
Spain, Navarre *	100	63.4	15.8	68.7	54.6	76.0	65.7	66.4	13.6	69.4	62.0	76.8	34.3	57.7	18.3	64.3	37.3	74.7
Spain, Valencian region	100	66.5	14.5	70.3	58.4	77.1	68.0	66.2	14.8	70.1	58.7	77.0	32.0	67.2	13.8	70.7	57.7	77.4
Sweden	100	64.0	17.2	68.5	54.8	76.5	68.6	64.2	17.1	69.1	55.2	76.5	31.4	63.4	17.5	67.5	54.1	76.4
Switzerland	100	65.2	16.2	68.9	56.8	77.2	65.8	65.8	16.4	70.0	58.4	77.6	34.2	64.0	15.7	66.8	54.6	76.4
the Netherlands	100	63.9	15.8	67.7	55.2	75.4	63.9	64.8	15.5	68.6	56.7	76.1	36.1	62.2	16.2	65.9	52.9	74.1
United Kingdom, England	100	61.0	16.9	63.5	51.3	73.8	64.9	61.6	16.7	64.0	52.2	74.3	35.1	59.9	17.2	62.6	50.1	72.9
United Kingdom, Northern Ireland	100	60.1	17.7	64.0	48.9	73.5	62.6	60.9	16.8	64.0	53.7	73.5	37.4	58.7	19.1	63.8	47.2	72.4
United Kingdom, Scotland	100	60.0	17.0	63.0	51.0	73.0	62.0	59.0	17.0	62.0	50.0	72.0	38.0	61.0	17.0	63.0	52.0	75.0
United Kingdom, Wales	100	61.5	17.3	65.4	51.2	74.4	65.4	63.5	17.1	67.9	53.9	75.7	34.6	57.7	17.0	60.6	47.8	69.3

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

* Patients younger than 20 years of age are not reported

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

	All	Men	Women
	Pmp	Pmp	Pmp
Austria §	118.2	160.1	78.2
Belgium, Dutch-speaking *	160.0	201.8	120.1
Belgium, French-speaking *	208.1	268.5	150.4
Bosnia and Herzegovina	128.6	164.9	94.0
Denmark	116.0	154.4	79.5
Estonia	57.9	67.9	48.3
Finland	88.7	111.0	67.4
France	154.0	204.8	105.6
Greece	219.5	295.5	147.0
Iceland	127.4	145.6	110.1
Montenegro *	129.4	184.4	76.9
Norway	103.9	139.2	70.3
Romania	162.7	203.1	124.2
Serbia	71.3	93.6	50.1
Spain, Andalusia	142.9	183.7	104.0
Spain, Aragon	125.5	187.9	65.9
Spain, Asturias	135.1	186.0	86.6
Spain, Basque country	116.9	166.5	69.6
Spain, Canary Islands	173.0	239.3	109.8
Spain, Cantabria *	111.6	167.3	58.5
Spain, Castile and León *	94.6	127.6	63.2
Spain, Castile-La Mancha *	103.4	135.8	72.5
Spain, Catalonia	172.1	233.9	113.2
Spain, Community of Madrid	114.3	162.4	68.5
Spain, Extremadura	129.0	178.8	81.5
Spain, Galicia	120.4	180.5	63.1
Spain, La Rioja	95.7	103.0	88.7
Spain, Murcia	157.2	222.9	94.6
Spain, Navarre *	104.5	135.4	75.0
Spain, Valencian region	147.7	203.3	94.7
Sweden	106.5	143.7	71.1
Switzerland	96.1	126.2	67.5
the Netherlands	108.7	138.0	80.8
United Kingdom, England	110.3	143.6	78.5
United Kingdom, Northern Ireland	115.5	145.6	86.8
United Kingdom, Scotland	97.8	122.8	74.0
United Kingdom, Wales	107.4	139.4	76.8

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

* 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 §	121.9	100	11.8	9.7	3.9	3.2	6.6	5.4	5.1	4.1	25.5	20.9	30.6	25.1	21.0	17.2	2.5	2.0	29.1	23.9	16.2	13.3	0.2	0.2
Belgium, Dutch-speaking *	173.7	100	15.3	8.8	6.5	3.7	6.5	3.7	5.3	3.0	30.2	17.4	35.5	20.4	18.3	10.6	6.5	3.7	69.0	39.7	16.2	9.3	0	0
Belgium, French-speaking *	193.0	100	13.5	7.0	7.2	3.7	6.3	3.3	2.2	1.2	40.3	20.9	42.5	22.0	28.2	14.6	2.0	1.1	57.7	29.9	35.6	18.4	0	0
Bosnia and Herzegovina	115.5	100	9.9	8.6	12.2	10.5	6.8	5.9	7.1	6.1	23.2	20.1	30.3	26.2	14.2	12.3	3.1	2.7	15.6	13.5	23.5	20.3	0	0
Denmark	120.1	100	14.9	12.4	6.5	5.4	8.2	6.8	6.3	5.2	26.5	22.1	32.8	27.3	12.4	10.3	1.0	0.8	21.2	17.7	23.1	19.2	0	0
Estonia	57.2	100	7.5	13.2	3.8	6.6	6.8	11.8					13.5	23.7	14.3	25.0	0	0	11.3	19.7	0	0	0	0
Finland	94.4	100	12.3	13.0	5.4	5.7	9.0	9.6	14.3	15.1	17.4	18.4	31.6	33.5	7.2	7.7	0.2	0.2	13.4	14.2	15.2	16.1	0	0
France	158.5	100	17.1	10.8	7.7	4.9	9.3	5.9					36.8	23.2	38.6	24.3	1.5	1.0	23.1	14.5	24.0	15.2	0.4	0.2
Greece	256.9	100	19.2	7.5	12.2	4.8	9.2	3.6	1.3	0.5	60.3	23.5	61.6	24.0	25.6	10.0	3.8	1.5	34.1	13.3	91.2	35.5	0	0
Iceland	103.7	100	16.4	15.8	2.7	2.6	5.5	5.3	2.7	2.6	10.9	10.5	13.6	13.2	32.7	31.6	2.7	2.6	24.6	23.7	5.5	5.3	0	0
Montenegro *	120.7	100	16.1	13.3	1.6	1.3	1.6	1.3	11.3	9.3	11.3	9.3	22.5	18.7	33.8	28.0	0	0	17.7	14.7	27.4	22.7	0	0
Norway	100.9	100	17.8	17.7	3.5	3.5	8.6	8.5	3.9	3.9	12.8	12.7	16.7	16.6	29.9	29.7	0.7	0.7	20.3	20.1	3.0	2.9	0.4	0.4
Romania	163.4	100	17.3	10.6	7.6	4.6	3.8	2.3					20.7	12.6	10.6	6.5	0.8	0.5	29.8	18.3	72.8	44.6	0	0
Serbia	76.3	100	8.2	10.8	6.1	8.0	3.5	4.6					22.2	29.1	17.9	23.4	1.0	1.3	12.2	16.0	5.2	6.8	0	0
Spain, Andalusia	139.6	100	17.5	12.6	7.7	5.5	7.8	5.6					37.2	26.7	13.3	9.5	1.8	1.3	27.4	19.7	26.9	19.2	0	0
Spain, Aragon	136.8	100	27.8	20.3	6.8	4.9	4.5	3.3	3.0	2.2	31.6	23.1	34.6	25.3	16.5	12.1	0.8	0.5	15.0	11.0	30.8	22.5	0	0
Spain, Asturias	167.3	100	21.7	12.9	8.9	5.3	9.8	5.9	3.9	2.4	45.3	27.1	49.2	29.4	38.4	22.9	0	0	22.6	13.5	16.7	10.0	0	0
Spain, Basque country	131.7	100	15.5	11.8	3.7	2.8	12.8	9.7	5.0	3.8	28.3	21.5	33.4	25.3	19.7	14.9	1.8	1.4	23.3	17.7	21.5	16.3	0	0
Spain, Canary Islands	170.5	100	24.5	14.4	4.5	2.6	8.5	5.0	4.5	2.6	51.8	30.4	56.2	33.0	15.2	8.9	0.9	0.5	37.9	22.3	22.8	13.4	0	0
Spain, Cantabria *	125.2	100	20.6	16.4	5.1	4.1	12.0	9.6	1.7	1.4	34.3	27.4	36.0	28.8	13.7	11.0	1.7	1.4	18.9	15.1	10.3	8.2	6.9	5.5
Spain, Castile and León ‡	119.0	100	17.5	14.7	5.4	4.6	9.6	8.1	4.2	3.5	25.1	21.1	29.2	24.6	15.0	12.6	0	0	23.8	20.0	18.4	15.4	0	0
Spain, Castile-La Mancha *	105.0	100	11.2	10.7	12.2	11.6	7.8	7.4					30.3	28.8	5.4	5.1	3.9	3.7	15.6	14.9	18.6	17.7	0	0
Spain, Catalonia	171.7	100	15.0	8.8	6.9	4.0	8.7	5.1	1.7	1.0	30.5	17.7	32.8	19.1	7.7	4.5	4.0	2.3	18.6	10.9	33.7	19.6	44.2	25.7
Spain, Community of Madrid	109.9	100	15.8	14.4	3.5	3.2	8.8	8.1	1.8	1.6	27.0	24.6	28.8	26.2	11.9	10.9	1.8	1.6	33.0	30.1	6.2	5.6	0	0
Spain, Extremadura	141.0	100	18.8	13.3	8.5	6.0	8.5	6.0					45.1	32.0	3.8	2.7	4.7	3.3	10.3	7.3	41.4	29.3	0	0
Spain, Galicia	145.6	100	13.3	9.2	4.4	3.1	11.1	7.6	2.6	1.8	37.8	26.0	40.4	27.7	14.8	10.2	0.7	0.5	24.1	16.5	36.7	25.2	0	0
Spain, La Rioja	104.4	100	22.1	21.2	6.3	6.1	3.2	3.0	0	0	19.0	18.2	19.0	18.2	15.8	15.2	0	0	25.3	24.2	12.7	12.1	0	0
Spain, Murcia	140.3	100	18.5	13.2	7.3	5.2	10.6	7.5	6.0	4.2	26.5	18.9	32.4	23.1	11.9	8.5	1.3	0.9	33.1	23.6	25.1	17.9	0	0
Spain, Navarre *	106.5	100	13.7	12.9	1.5	1.4	4.6	4.3	7.6	7.1	32.0	30.0	39.6	37.1	9.1	8.6	0	0	19.8	18.6	18.3	17.1	0	0
Spain, Valencian region	152.8	100	14.2	9.3	5.7	3.8	9.1	6.0					35.0	22.9	28.7	18.8	0.6	0.4	31.2	20.4	28.3	18.5	0	0
Sweden ‡	109.8	100	16.6	15.1	3.6	3.3	7.4	6.8	5.7	5.2	21.4	19.5	27.1	24.7	20.3	18.5	1.3	1.1	23.0	20.9	10.5	9.6	0	0
Switzerland	97.9	100	12.0	12.3	1.4	1.4	6.4	6.5	2.9	3.0	15.5	15.8	18.4	18.8	20.5	20.9	3.4	3.4	27.2	27.8	8.7	8.9	0	0
the Netherlands	113.5	100	11.2	9.8	3.2	2.8	5.2	4.6	3.4	3.0	20.4	17.9	23.7	20.9	16.7	14.7	11.1	9.8	21.7	19.1	12.1	10.6	8.6	7.6
United Kingdom, England #	107.8	100	10.9	10.1	5.5	5.1	5.8	5.4					28.6	26.5	7.2	6.6	1.2	1.1	19.4	18.0	14.1	13.1	15.2	14.1
United Kingdom, Northern Ireland #	108.7	100	10.6	9.7	7.4	6.8	7.9	7.3					20.6	18.9	3.2	2.9	0	0	29.0	26.7	18.5	17.0	11.6	10.7
United Kingdom, Scotland	99.2	100	15.4	15.5	4.6	4.6	7.7	7.7					29.5	29.7	2.7	2.8	1.6	1.7	25.2	25.5	12.4	12.5	0	0
United Kingdom, Wales #	112.3	100	19.2	17.1	6.6	5.9	6.9	6.2					29.0	25.8	4.1	3.7			33.1	29.5	11.7	10.4		

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

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

* 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 §	118.2	11.6	3.7	6.4	5.0	24.7	29.7	20.3	2.4	28.3	15.6	0.2
Belgium, Dutch-speaking *	160.0	14.7	6.1	6.4	5.1	27.7	32.8	16.3	5.9	62.9	14.9	0
Belgium, French-speaking *	208.1	14.6	7.6	6.7	2.3	43.5	45.8	30.7	2.2	61.7	38.8	0
Bosnia and Herzegovina	128.6	10.2	14.5	6.6	7.7	26.2	33.9	15.3	3.5	17.8	26.8	0
Denmark	116.0	15.2	6.0	8.0	6.5	25.0	31.5	12.0	0.9	20.5	21.9	0
Estonia	57.9	8.0	4.1	6.5			13.8	14.2	0	11.3	0	0
Finland	88.7	12.2	5.0	8.6	14.5	15.4	30.0	6.4	0.1	12.6	13.8	0
France	154.0	17.3	7.5	9.6			35.8	36.4	1.5	22.8	22.8	0.4
Greece	219.5	17.8	10.6	8.4	1.3	51.6	52.9	21.6	3.1	29.2	75.9	0
Iceland	127.4	18.6	3.0	6.5	3.1	12.7	15.8	44.4	2.9	30.2	6.2	0
Montenegro *	129.4	18.6	2.1	1.5	11.5	12.2	23.7	36.3	0	18.4	28.7	0
Norway	103.9	18.1	3.5	9.0	4.1	13.4	17.5	30.7	0.9	20.7	3.1	0.4
Romania	162.7	17.2	7.7	3.7			20.5	10.6	0.7	29.9	72.4	0
Serbia	71.3	7.9	5.8	3.3			20.6	16.5	0.9	11.6	4.8	0
Spain, Andalusia	142.9	17.6	7.8	7.6			38.1	13.9	1.9	28.3	27.7	0
Spain, Aragon	125.5	26.1	5.9	3.9	2.9	28.7	31.6	14.5	0.6	14.2	28.4	0
Spain, Asturias	135.1	19.8	7.6	7.8	3.1	35.0	38.1	28.4	0	20.6	12.9	0
Spain, Basque country	116.9	14.6	3.6	11.4	4.8	23.9	28.6	17.4	1.5	20.9	19.0	0
Spain, Canary Islands	173.0	24.5	4.4	7.4	4.1	53.4	57.5	15.6	1.0	38.9	23.6	0
Spain, Cantabria *	111.6	19.2	4.6	11.3	1.8	30.0	31.8	11.8	1.6	15.8	9.0	6.4
Spain, Castile and León * ‡	94.6	14.4	4.3	8.3	3.7	19.5	23.2	11.1	0	19.4	14.1	0
Spain, Castile-La Mancha *	103.4	10.7	12.4	7.6			29.8	5.3	3.5	15.8	18.3	0
Spain, Catalonia	172.1	14.9	6.8	8.5	1.6	31.1	33.3	7.6	4.0	18.7	33.9	44.3
Spain, Community of Madrid	114.3	16.3	3.7	8.9	1.8	28.4	30.2	12.4	1.9	34.5	6.4	0
Spain, Extremadura	129.0	16.3	7.8	8.0			41.1	3.6	4.5	9.7	37.9	0
Spain, Galicia	120.4	11.8	3.7	9.6	2.5	30.9	33.4	11.8	0.6	20.6	28.9	0
Spain, La Rioja	95.7	20.2	5.7	3.0	0	17.5	17.5	14.8	0	22.2	12.3	0
Spain, Murcia	157.2	20.0	8.2	10.6	5.7	30.6	36.2	14.2	1.6	37.2	29.1	0
Spain, Navarre *	104.5	13.8	1.6	4.2	7.8	30.5	38.3	8.7	0	20.2	17.7	0
Spain, Valencian region	147.7	13.9	5.7	8.5			33.9	27.5	0.6	30.4	27.3	0
Sweden ‡	106.5	16.5	3.4	7.7	5.9	20.6	26.5	19.1	1.2	22.1	10.0	0
Switzerland	96.1	11.8	1.4	6.3	2.8	15.2	18.0	19.9	3.2	26.9	8.5	0
the Netherlands	108.7	10.8	3.0	5.1	3.4	19.3	22.6	16.2	10.3	20.6	11.8	8.4
United Kingdom, England #	110.3	11.2	5.5	6.1			29.5	7.4	1.2	19.7	14.3	15.3
United Kingdom, Northern Ireland #	115.5	11.5	7.9	8.4			21.9	3.4	0	30.9	19.6	11.9
United Kingdom, Scotland	97.8	15.2	4.5	7.7			28.9	2.8	1.6	24.9	12.2	0
United Kingdom, Wales #	107.4	18.9	5.9	7.1			28.3	3.9		30.3	11.5	

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 or a limited number of cases (<10%) with diabetes mellitus type unknown; When cells are left empty, (complete) data are unavailable

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

* 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 §	1085	820	0	0	10	132	962	22	64	2	88	15	20	0	35	0	0
Belgium, Dutch-speaking *	1156	729	0	0	0	314	1043	45	54	0	99	6	8	0	14	0	0
Belgium, French-speaking *	944	505	5	0	68	282	860	29	47	0	76	3	5	0	8	0	0
Bosnia and Herzegovina	408	361	0	0	0	39	400	0	8	0	8	0	0	0	0	0	0
Denmark	707	408	0	0			408	94	131	7	232	27	40	0	67	0	0
Estonia	76	59	0	0	0	0	59	15	0	0	15	0	2	0	2	0	0
Finland	522	364	6	0	0	0	370	33	97	0	130	11	11	0	22	0	0
France	10696	7292	10	9	32	1895	9238	199	882	2	1083	146	229	0	375	0	0
Greece	2749	2590	0	0	0	16	2606	23	99	0	122	21	0	0	21	0	0
Iceland	38	27	0	0			27	0	8	0	8	1	2	0	3	0	0
Montenegro *	75	75	0	0	0	0	75	0	0	0	0	0	0	0	0	0	0
Norway	543	343	1	0			344			145	145	24	30	0	54	0	0
Romania //	2990	2929	0	0	0	5	2934	4	44	0	48	7	1	0	8	0	0
Serbia	474	409	0	0	0	10	419	3	52	0	55	0	0	0	0	0	0
Spain, Andalusia	1185	977	3	0			980			152	152	18	35	0	53	0	0
Spain, Aragon	182	142	0	0		6	148	1	27	0	28	4	2	0	6	0	0
Spain, Asturias	170	134	0	0		0	134	6	25	0	31	1	4	0	5	0	0
Spain, Basque country	288	203	2	0			205	2	65	0	67	10	6	0	16	0	0
Spain, Canary Islands	382	290	0	0	0	0	290	0	0	82	82	2	8	0	10	0	0
Spain, Cantabria *	73	56	0	0			56	1	9	0	10	0	7	0	7	0	0
Spain, Castile and León *	285	234	0	0			234	15	27	0	42	7	2	0	9	0	0
Spain, Castile-La Mancha *	215	170	0	0			170	3	40	0	43	0	2	0	2	0	0
Spain, Catalonia	1336	836	3	0		237	1076	22	147	0	169	50	41	0	91	0	0
Spain, Community of Madrid	745	593	2	0			595	40	85	0	125	9	16	0	25	0	0
Spain, Extremadura	150	132	0	0			132	10	7	0	17	0	1	0	1	0	0
Spain, Galicia	393	301	4	0	0	0	305	4	76	0	80	7	1	0	8	0	0
Spain, La Rioja	33	22	0	0	0	0	22	0	11	0	11	0	0	0	0	0	0
Spain, Murcia	212	179	0	0	0	0	179	1	31	0	32	1	0	0	1	0	0
Spain, Navarre *	70	46	2	0			48	18	3	0	21	0	1	0	1	0	0
Spain, Valencian region	773	600	7	0			607	10	113	0	123	6	37	0	43	0	0
Sweden	1137	663	1	0			664			390	390	38	45	0	83	0	0
Switzerland	846	671	5	17	3	0	696	26	81	2	109	26	15	0	41	0	0
the Netherlands ‡	1861	1278	2	0		18	1298	113	233	0	346	182	35	0	217	0	0
United Kingdom, England #	6097	3633	13		19	682	4348	570	817	21	1408	139	193	9	341	0	0
United Kingdom, Northern Ireland #	206	146		0		0	148	11		0	16	11	31	0	42	0	0
United Kingdom, Scotland	542	395	0	0			395	0	0	0	102	0	0	0	45	0	0
United Kingdom, Wales #	356	236		0		24	262	23	55	0	78	7	9	0	16	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 7%

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 §	121.9	92.1	0	0	1.1	14.8	108.1	2.5	7.2	0.2	9.9	1.7	2.2	0	3.9	0	0
Belgium, Dutch-speaking *	173.7	109.6	0	0	0	47.2	156.7	6.8	8.1	0	14.9	0.9	1.2	0	2.1	0	0
Belgium, French-speaking *	193.0	103.3	1.0	0	13.9	57.7	175.9	5.9	9.6	0	15.5	0.6	1.0	0	1.6	0	0
Bosnia and Herzegovina	115.5	102.2	0	0	0	11.0	113.3	0	2.3	0	2.3	0	0	0	0	0	0
Denmark	120.1	69.3	0	0			69.3	16.0	22.2	1.2	39.4	4.6	6.8	0	11.4	0	0
Estonia	57.2	44.4	0	0	0	0	44.4	11.3	0	0	11.3	0	1.5	0	1.5	0	0
Finland	94.4	65.8	1.1	0	0	0	66.9	6.0	17.5	0	23.5	2.0	2.0	0	4.0	0	0
France	158.5	108.0	0.1	0.1	0.5	28.1	136.9	2.9	13.1	0	16.0	2.2	3.4	0	5.6	0	0
Greece	256.9	242.1	0	0	0	1.5	243.6	2.1	9.3	0	11.4	2.0	0	0	2.0	0	0
Iceland	103.7	73.7	0	0			73.7	0	21.8	0	21.8	2.7	5.5	0	8.2	0	0
Montenegro *	120.7	120.7	0	0	0	0	120.7	0	0	0	0	0	0	0	0	0	0
Norway	100.9	63.8	0.2	0			63.9			27.0	27.0	4.5	5.6	0	10.0	0	0
Romania //	163.4	160.0	0	0	0	0.3	160.3	0.2	2.4	0	2.6	0.4	0.1	0	0.4	0	0
Serbia	76.3	65.9	0	0	0	1.6	67.5	0.5	8.4	0	8.9	0	0	0	0	0	0
Spain, Andalusia	139.6	115.1	0.4	0			115.4			17.9	17.9	2.1	4.1	0	6.2	0	0
Spain, Aragon	136.8	106.7	0	0		4.5	111.2	0.8	20.3	0	21.0	3.0	1.5	0	4.5	0	0
Spain, Asturias	167.3	131.9	0	0		0	131.9	5.9	24.6	0	30.5	1.0	3.9	0	4.9	0	0
Spain, Basque country	131.7	92.8	0.9	0			93.7	0.9	29.7	0	30.6	4.6	2.7	0	7.3	0	0
Spain, Canary Islands	170.5	129.4	0	0	0	0	129.4	0	0	36.6	36.6	0.9	3.6	0	4.5	0	0
Spain, Cantabria *	125.2	96.1	0	0			96.1	1.7	15.4	0	17.2	0	12.0	0	12.0	0	0
Spain, Castile and León *	119.0	97.7	0	0			97.7	6.3	11.3	0	17.5	2.9	0.8	0	3.8	0	0
Spain, Castile-La Mancha *	105.0	83.0	0	0			83.0	1.5	19.5	0	21.0	0	1.0	0	1.0	0	0
Spain, Catalonia	171.7	107.4	0.4	0		30.5	138.3	2.8	18.9	0	21.7	6.4	5.3	0	11.7	0	0
Spain, Community of Madrid	109.9	87.5	0.3	0			87.8	5.9	12.5	0	18.4	1.3	2.4	0	3.7	0	0
Spain, Extremadura	141.0	124.1	0	0			124.1	9.4	6.6	0	16.0	0	0.9	0	0.9	0	0
Spain, Galicia	145.6	111.5	1.5	0	0	0	113.0	1.5	28.2	0	29.6	2.6	0.4	0	3.0	0	0
Spain, La Rioja	104.4	69.6	0	0	0	0	69.6	0	34.8	0	34.8	0	0	0	0	0	0
Spain, Murcia	140.3	118.4	0	0	0	0	118.4	0.7	20.5	0	21.2	0.7	0	0	0.7	0	0
Spain, Navarre *	106.5	70.0	3.0	0			73.1	27.4	4.6	0	32.0	0	1.5	0	1.5	0	0
Spain, Valencian region	152.8	118.6	1.4	0			120.0	2.0	22.3	0	24.3	1.2	7.3	0	8.5	0	0
Sweden	109.8	64.0	0.1	0			64.1			37.7	37.7	3.7	4.3	0	8.0	0	0
Switzerland	97.9	77.7	0.6	2.0	0.3	0	80.6	3.0	9.4	0.2	12.6	3.0	1.7	0	4.7	0	0
the Netherlands	113.5	78.0	0.1	0		1.1	79.2	6.9	14.2	0	21.1	11.1	2.1	0	13.2	0	0
United Kingdom, England #	107.8	64.2	0.2		0.3	12.1	76.9	10.1	14.4	0.4	24.9	2.5	3.4	0.2	6.0	0	0
United Kingdom, Northern Ireland #	108.7	77.0		0		0	78.1	5.8		0	8.4	5.8	16.4	0	22.2	0	0
United Kingdom, Scotland	99.2	72.3	0	0			72.3	0	0	0	18.7	0	0	0	8.2	0	0
United Kingdom, Wales #	112.3	74.5		0		7.6	82.7	7.3	17.4	0	24.6	2.2	2.8	0	5.0	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, (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%

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
		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 §	118.2	89.0	0	0	1.1	14.5	104.6	2.5	7.0	0.2	9.6	1.7	2.3	0	3.9	0	0
Belgium, Dutch-speaking *	160.0	100.5	0	0	0	43.4	143.9	6.5	7.5	0	14.0	0.9	1.2	0	2.1	0	0
Belgium, French-speaking *	208.1	110.9	1.0	0	14.8	63.0	189.8	6.3	10.2	0	16.5	0.7	1.0	0	1.7	0	0
Bosnia and Herzegovina	128.6	114.0	0	0	0	12.3	126.3	0	2.3	0	2.3	0	0	0	0	0	0
Denmark	116.0	66.7	0	0			66.7	15.5	21.5	1.2	38.1	4.6	6.7	0	11.2	0	0
Estonia	57.9	44.8	0	0	0	0	44.8	11.4	0	0	11.4	0	1.6	0	1.6	0	0
Finland	88.7	61.3	1.1	0	0	0	62.5	6.2	16.0	0	22.2	2.0	2.0	0	4.0	0	0
France	154.0	104.7	0.1	0.1	0.5	27.1	132.6	2.9	12.6	0	15.6	2.3	3.6	0	5.9	0	0
Greece	219.5	205.9	0	0	0	1.3	207.2	2.0	8.2	0	10.2	2.1	0	0	2.1	0	0
Iceland	127.4	93.3	0	0			93.3	0	24.8	0	24.8	3.1	6.3	0	9.4	0	0
Montenegro *	129.4	129.4	0	0	0	0	129.4	0	0	0	0	0	0	0	0	0	0
Norway	103.9	65.6	0.2	0			65.8			27.9	27.9	4.5	5.7	0	10.2	0	0
Romania //	162.7	159.4	0	0	0	0.3	159.7	0.2	2.4	0	2.6	0.4	0.1	0	0.4	0	0
Serbia	71.3	61.2	0	0	0	1.6	62.8	0.5	8.0	0	8.5	0	0	0	0	0	0
Spain, Andalusia	142.9	118.3	0.3	0			118.7			18.1	18.1	2.0	4.0	0	6.0	0	0
Spain, Aragon	125.5	97.8	0	0		4.2	102.0	0.7	18.4	0	19.1	2.9	1.4	0	4.3	0	0
Spain, Asturias	135.1	105.0	0	0		0	105.0	5.9	20.3	0	26.2	0.8	3.2	0	3.9	0	0
Spain, Basque country	116.9	82.3	0.8	0			83.1	0.7	26.5	0	27.2	4.1	2.6	0	6.6	0	0
Spain, Canary Islands	173.0	131.7	0	0	0	0	131.7	0	0	37.0	37.0	0.9	3.4	0	4.3	0	0
Spain, Cantabria *	111.6	85.3	0	0			85.3	1.5	13.5	0	15.0	0	11.3	0	11.3	0	0
Spain, Castile and León *	94.6	76.8	0	0			76.8	4.9	9.5	0	14.4	2.8	0.7	0	3.5	0	0
Spain, Castile-La Mancha *	103.4	81.8	0	0			81.8	1.4	19.2	0	20.6	0	1.1	0	1.1	0	0
Spain, Catalonia	172.1	108.0	0.4	0		30.4	138.7	2.7	18.9	0	21.7	6.3	5.3	0	11.7	0	0
Spain, Community of Madrid	114.3	91.4	0.3	0			91.7	5.9	12.9	0	18.8	1.3	2.4	0	3.7	0	0
Spain, Extremadura	129.0	112.5	0	0			112.5	8.8	6.6	0	15.4	0	1.0	0	1.0	0	0
Spain, Galicia	120.4	91.5	1.2	0	0	0	92.7	1.5	23.4	0	24.9	2.5	0.3	0	2.8	0	0
Spain, La Rioja	95.7	64.4	0	0	0	0	64.4	0	31.3	0	31.3	0	0	0	0	0	0
Spain, Murcia	157.2	134.2	0	0	0	0	134.2	0.6	21.8	0	22.4	0.6	0	0	0.6	0	0
Spain, Navarre *	104.5	69.5	2.9	0			72.3	26.1	4.5	0	30.5	0	1.6	0	1.6	0	0
Spain, Valencian region	147.7	114.6	1.3	0			116.0	1.9	21.5	0	23.4	1.3	7.1	0	8.3	0	0
Sweden	106.5	61.6	0.1	0			61.7			36.6	36.6	3.7	4.5	0	8.2	0	0
Switzerland	96.1	76.1	0.6	2.0	0.3	0	79.0	3.0	9.2	0.2	12.4	2.9	1.8	0	4.7	0	0
the Netherlands	108.7	74.4	0.1	0		1.1	75.6	6.6	13.5	0	20.1	10.9	2.1	0	13.0	0	0
United Kingdom, England #	110.3	65.7	0.2		0.3	12.3	78.6	10.3	14.8	0.4	25.4	2.6	3.5	0.1	6.2	0	0
United Kingdom, Northern Ireland #	115.5	82.0		0		0	83.1	6.3		0	9.3	5.7	17.4	0	23.1	0	0
United Kingdom, Scotland	97.8	70.9	0	0			70.9	0	0	0	18.7	0	0	0	8.2	0	0
United Kingdom, Wales #	107.4	70.2		0		7.3	78.0	7.0	17.1	0	24.1	2.3	3.0	0	5.2	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

§ 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%

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	75.6	0	0	0.9	12.2	88.7	2.0	5.9	0.2	8.1	1.4	1.8	0	3.2	0	0
Belgium, Dutch-speaking *	100	63.1	0	0	0	27.2	90.2	3.9	4.7	0	8.6	0.5	0.7	0	1.2	0	0
Belgium, French-speaking *	100	53.5	0.5	0	7.2	29.9	91.1	3.1	5.0	0	8.1	0.3	0.5	0	0.8	0	0
Bosnia and Herzegovina	100	88.5	0	0	0	9.6	98.0	0	2.0	0	2.0	0	0	0	0	0	0
Denmark	100	57.7	0	0			57.7	13.3	18.5	1.0	32.8	3.8	5.7	0	9.5	0	0
Estonia	100	77.6	0	0	0	0	77.6	19.7	0	0	19.7	0	2.6	0	2.6	0	0
Finland	100	69.7	1.1	0	0	0	70.9	6.3	18.6	0	24.9	2.1	2.1	0	4.2	0	0
France	100	68.2	0.1	0.1	0.3	17.7	86.4	1.9	8.2	0	10.1	1.4	2.1	0	3.5	0	0
Greece	100	94.2	0	0	0	0.6	94.8	0.8	3.6	0	4.4	0.8	0	0	0.8	0	0
Iceland	100	71.1	0	0			71.1	0	21.1	0	21.1	2.6	5.3	0	7.9	0	0
Montenegro *	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Norway	100	63.2	0.2	0			63.4			26.7	26.7	4.4	5.5	0	9.9	0	0
Romania //	100	98.0	0	0	0	0.2	98.1	0.1	1.5	0	1.6	0.2	0	0	0.3	0	0
Serbia	100	86.3	0	0	0	2.1	88.4	0.6	11.0	0	11.6	0	0	0	0	0	0
Spain, Andalusia	100	82.4	0.3	0			82.7			12.8	12.8	1.5	3.0	0	4.5	0	0
Spain, Aragon	100	78.0	0	0		3.3	81.3	0.5	14.8	0	15.4	2.2	1.1	0	3.3	0	0
Spain, Asturias	100	78.8	0	0		0	78.8	3.5	14.7	0	18.2	0.6	2.4	0	2.9	0	0
Spain, Basque country	100	70.5	0.7	0			71.2	0.7	22.6	0	23.3	3.5	2.1	0	5.6	0	0
Spain, Canary Islands	100	75.9	0	0	0	0	75.9	0	0	21.5	21.5	0.5	2.1	0	2.6	0	0
Spain, Cantabria *	100	76.7	0	0			76.7	1.4	12.3	0	13.7	0	9.6	0	9.6	0	0
Spain, Castile and León *	100	82.1	0	0			82.1	5.3	9.5	0	14.7	2.5	0.7	0	3.2	0	0
Spain, Castile-La Mancha *	100	79.1	0	0			79.1	1.4	18.6	0	20.0	0	0.9	0	0.9	0	0
Spain, Catalonia	100	62.6	0.2	0		17.7	80.5	1.6	11.0	0	12.6	3.7	3.1	0	6.8	0	0
Spain, Community of Madrid	100	79.6	0.3	0			79.9	5.4	11.4	0	16.8	1.2	2.1	0	3.4	0	0
Spain, Extremadura	100	88.0	0	0			88.0	6.7	4.7	0	11.3	0	0.7	0	0.7	0	0
Spain, Galicia	100	76.6	1.0	0	0	0	77.6	1.0	19.3	0	20.4	1.8	0.3	0	2.0	0	0
Spain, La Rioja	100	66.7	0	0	0	0	66.7	0	33.3	0	33.3	0	0	0	0	0	0
Spain, Murcia	100	84.4	0	0	0	0	84.4	0.5	14.6	0	15.1	0.5	0	0	0.5	0	0
Spain, Navarre *	100	65.7	2.9	0			68.6	25.7	4.3	0	30.0	0	1.4	0	1.4	0	0
Spain, Valencian region	100	77.6	0.9	0			78.5	1.3	14.6	0	15.9	0.8	4.8	0	5.6	0	0
Sweden	100	58.3	0.1	0			58.4			34.3	34.3	3.3	4.0	0	7.3	0	0
Switzerland	100	79.3	0.6	2.0	0.4	0	82.3	3.1	9.6	0.2	12.9	3.1	1.8	0	4.8	0	0
the Netherlands	100	68.7	0.1	0		1.0	69.7	6.1	12.5	0	18.6	9.8	1.9	0	11.7	0	0
United Kingdom, England #	100	59.6	0.2		0.3	11.2	71.3	9.3	13.4	0.3	23.1	2.3	3.2	0.1	5.6	0	0
United Kingdom, Northern Ireland #	100	70.9		0		0	71.8	5.3		0	7.8	5.3	15.0	0	20.4	0	0
United Kingdom, Scotland	100	72.9	0	0			72.9	0	0	0	18.8	0	0	0	8.3	0	0
United Kingdom, Wales #	100	66.3		0		6.7	73.6	6.5	15.4	0	21.9	2.0	2.5	0	4.5	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

§ 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%

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	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women									
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%								
Austria §	934	618	316	12	1	8	1	4	1	101	11	60	10	41	13	287	31	203	33	84	27	256	27	174	28	82	26	278	30	173	28	105	33
Belgium, Dutch-speaking *	1047	665	382							56	5	36	5	20	5	245	23	160	24	85	22	263	25	171	26	92	24	483	46	298	45	185	48
Belgium, French-speaking *	776	480	296							54	7	33	7	21	7	225	29	141	29	84	28	258	33	158	33	100	34	239	31	148	31	91	31
Bosnia and Herzegovina	360	225	135	5	1	2	1	3	2	35	10	22	10	13	10	144	40	90	40	54	40	118	33	81	36	37	27	58	16	30	13	28	21
Denmark	673	447	226	9	1	4	1	5	2	67	10	50	11	17	8	215	32	144	32	71	31	202	30	136	30	66	29	180	27	113	25	67	30
Estonia	75	39	36	2	3	1	3	1	3	10	13	4	10	6	17	30	40	15	38	15	42	20	27	10	26	10	28	13	17	9	23	4	11
Finland	517	324	193	11	2	7	2	4	2	87	17	43	13	44	23	162	31	100	31	62	32	148	29	99	31	49	25	109	21	75	23	34	18
France †	9880	6444	3436	113	1	69	1	45	1	909	9	568	9	341	10	2522	26	1610	25	912	27	2881	29	1913	30	967	28	3455	35	2284	35	1171	34
Greece	2463	1650	813	12	0	8	0	4	0	117	5	80	5	37	5	549	22	368	22	181	22	659	27	463	28	196	24	1126	46	731	44	395	49
Iceland	35	22	13	1	3	1	5	0	0	4	11	3	14	1	8	8	23	2	9	6	46	8	23	7	32	1	8	14	40	9	41	5	38
Montenegro * ‡	59	41	18							11	19	6	15	5	28	29	49	20	49	9	50	14	24	12	29	3	17	5	8	4	10	1	6
Norway	523	354	169	13	2	8	2	5	3	67	13	49	14	18	11	174	33	112	32	62	37	140	27	98	28	42	25	129	25	87	25	42	25
Romania	2300	1370	930	27	1	17	1	10	1	286	12	180	13	106	11	943	41	592	43	351	38	724	31	408	30	316	34	320	14	173	13	147	16
Serbia	502	317	185	9	2	7	2	2	1	60	12	38	12	22	12	215	43	137	43	78	42	154	31	94	30	60	32	64	13	41	13	23	12
Spain, Andalusia	1160	739	421	17	1	12	2	5	1	120	10	65	9	55	13	365	31	256	35	109	26	335	29	205	28	130	31	323	28	201	27	122	29
Spain, Aragon	177	132	45	3	2	1	1	2	4	20	11	15	11	5	11	54	31	37	28	17	38	46	26	32	24	14	31	54	31	47	36	7	16
Spain, Asturias	164	110	54	2	1	2	2	0	0	8	5	7	6	1	2	44	27	33	30	11	20	56	34	34	31	22	41	54	33	34	31	20	37
Spain, Basque country	276	194	82	6	2	1	1	5	6	23	8	16	8	7	9	77	28	57	29	20	24	83	30	56	29	27	33	87	32	64	33	23	28
Spain, Canary Islands	382	263	119	4	1	3	1	1	1	36	9	25	10	11	9	132	35	87	33	45	38	112	29	83	32	29	24	98	26	65	25	33	28
Spain, Cantabria *	70	51	19							7	10	5	10	2	11	18	26	12	24	6	32	30	43	21	41	9	47	15	21	13	25	2	11
Spain, Castile and León * †	280	190	90							15	5	12	6	3	3	75	27	51	27	24	27	90	32	64	34	26	29	100	36	63	33	37	41
Spain, Castile-La Mancha *	195	130	65							13	7	5	4	8	12	81	42	58	45	23	35	54	28	39	30	15	23	47	24	28	22	19	29
Spain, Catalonia †	1277	857	420	19	1	11	1	8	2	99	8	68	8	31	7	357	28	221	26	136	32	347	27	243	28	104	25	455	36	314	37	141	34
Spain, Community of Madrid	714	489	225	7	1	4	1	3	1	85	12	55	11	30	13	220	31	158	32	62	28	186	26	129	26	57	25	216	30	143	29	73	32
Spain, Extremadura	143	100	43	0	0	0	0	0	0	7	5	6	6	1	2	56	39	39	39	17	40	41	29	29	12	28	39	27	26	26	13	30	
Spain, Galicia	391	286	105	2	1	2	1	0	0	20	5	14	5	6	6	124	32	89	31	35	33	118	30	85	30	33	31	127	32	96	34	31	30
Spain, La Rioja	32	18	14	0	0	0	0	0	0	1	3	0	0	1	7	11	34	7	39	4	29	8	25	4	22	4	29	12	38	7	39	5	36
Spain, Murcia	201	140	61	2	1	1	1	1	2	18	9	11	8	7	11	68	34	48	34	20	33	58	29	44	31	14	23	55	27	36	26	19	31
Spain, Navarre *	69	45	24							15	22	6	13	9	38	17	25	12	27	5	21	17	25	13	29	4	17	20	29	14	31	6	25
Spain, Valencian region †	753	513	240	3	0	2	0	1	0	63	8	51	10	12	5	225	30	147	29	78	33	208	28	147	29	61	25	254	34	165	32	88	37
Sweden	1039	713	326	23	2	14	2	9	3	135	13	90	13	45	14	288	28	194	27	94	29	286	28	203	28	83	25	307	30	212	30	95	29
Switzerland †	830	545	285	12	1	9	2	3	1	89	11	57	10	31	11	245	30	152	28	93	33	214	26	138	25	76	27	271	33	189	35	82	29
the Netherlands ‡	1762	1122	640	27	2	13	1	14	2	196	11	117	10	79	12	554	31	338	30	216	34	520	30	329	29	191	30	465	26	325	29	140	22
United Kingdom, England † #	5701	3694	2007	128	2	72	2	56	3	840	15	517	14	323	16	2132	37	1387	38	745	37	1378	24	881	24	497	25	1223	21	838	23	385	19
United Kingdom, Northern Ireland † #	197	125	72							34	17	22	18	13	18	63	32	39	31	24	33	52	26	35	28	17	24	42	21	27	22	15	21
United Kingdom, Scotland	511	316	195	9	2	6	2	3	2	83	16	54	17	29	15	189	37	115	36	74	38	130	25	89	28	41	21	100	20	52	16	48	25
United Kingdom, Wales † #	344	224	120	8	2					55	16	34	15	21	18	109	32	61	27	48	40	96	28	66	29	31	26	76	22	60	27	16	13

Categories may not add up because of missing values or rounding off
 § The incidence is underestimated by approximately 1% due to one hemodialysis 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 7%
 # 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	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Austria §	104.9	141.1	69.9	7.0	9.0	4.8	34.8	40.7	28.7	111.0	158.2	64.5	304.0	442.6	182.7	326.4	504.7	206.4
Belgium, Dutch-speaking *	157.3	201.7	113.8				27.4	35.0	19.8	135.0	174.8	94.6	370.4	493.8	252.9	735.0	1094.7	480.6
Belgium, French-speaking *	158.7	200.2	118.8				33.2	40.4	26.0	177.3	222.8	132.0	546.0	719.4	395.4	633.2	1037.8	387.5
Bosnia and Herzegovina	101.9	129.9	75.0	6.4	5.0	7.8	28.6	35.3	21.6	141.3	181.2	103.3	401.3	628.3	224.1	278.9	374.0	219.2
Denmark	114.3	152.5	76.4	6.9	6.0	7.8	36.2	53.2	18.7	138.2	184.8	91.4	313.7	435.3	199.1	341.5	496.7	223.6
Estonia	56.4	61.9	51.5	7.1	6.9	7.3	23.2	17.9	29.1	86.0	89.3	83.0	140.1	175.1	116.7	103.4	247.8	44.8
Finland	93.5	118.6	69.0	9.5	11.8	7.0	50.3	48.3	52.5	116.2	143.4	89.0	209.2	295.2	131.7	203.3	352.7	105.1
France †	146.4	197.5	98.5	7.0	8.3	5.7	45.5	57.6	33.6	144.6	189.3	102.1	385.2	548.7	242.4	540.5	915.7	300.4
Greece	230.2	317.0	148.0	5.8	7.5	4.0	36.2	48.9	23.2	182.8	256.2	115.5	557.8	845.0	309.4	926.3	1414.4	565.3
Iceland	95.5	117.0	72.8	11.0	21.5	0	29.8	42.2	15.8	91.2	44.8	139.2	257.3	449.0	64.5	627.1	897.1	406.7
Montenegro * †	95.0	134.5	56.2				52.2	55.9	48.4	176.8	252.6	104.4	232.3	416.5	79.2	138.2	255.2	61.1
Norway	97.2	130.5	63.4	10.5	12.5	8.3	37.4	53.3	20.7	125.1	157.7	91.0	260.5	368.6	154.7	309.8	486.9	176.7
Romania	125.7	153.0	99.5	7.0	8.6	5.3	48.4	59.1	37.0	187.1	235.8	138.7	356.9	464.2	274.9	217.6	323.7	157.0
Serbia	80.8	104.8	58.1	7.5	11.3	3.4	30.1	37.4	22.5	126.5	166.0	89.2	190.6	259.0	134.8	127.3	206.2	75.7
Spain, Andalusia	136.6	176.4	97.9	9.6	13.1	5.8	43.8	46.9	40.7	146.8	207.7	87.0	428.0	552.8	315.7	456.8	706.6	288.7
Spain, Aragon	133.0	200.9	66.8	12.0	7.8	16.6	50.3	74.2	25.6	136.9	185.3	87.3	334.2	488.9	194.0	355.2	769.3	77.0
Spain, Asturias	161.4	226.5	101.8	13.4	26.1	0	29.3	51.0	7.4	134.3	206.6	65.6	419.1	551.0	305.9	405.0	674.8	241.2
Spain, Basque country	126.2	183.3	72.6	14.8	4.8	25.4	37.6	52.4	22.9	115.3	173.2	59.1	332.9	480.5	203.4	343.1	651.8	148.0
Spain, Canary Islands	170.5	237.0	105.2	10.0	14.6	5.2	47.1	65.6	28.7	188.0	246.3	128.9	547.0	844.4	272.4	573.1	902.8	333.3
Spain, Cantabria *	120.1	179.5	63.6				41.6	58.7	24.0	99.3	133.7	65.6	447.9	665.1	254.2	234.0	527.3	50.7
Spain, Castile and León * †	116.8	161.2	73.7				22.8	35.7	9.3	101.0	136.8	64.6	323.3	465.9	184.8	298.3	466.2	184.5
Spain, Castile-La Mancha *	95.3	126.5	63.8				20.1	15.0	25.6	135.2	189.5	78.5	294.9	436.5	160.0	227.3	327.7	156.6
Spain, Catalonia †	164.2	223.9	106.3	11.9	13.2	10.5	38.9	52.4	24.9	163.4	202.9	124.2	467.0	706.5	260.1	627.3	1098.4	320.8
Spain, Community of Madrid	105.3	150.7	63.6	5.2	5.8	4.5	37.2	49.0	25.8	114.0	171.0	61.7	303.4	471.1	168.0	362.6	625.5	198.9
Spain, Extremadura	134.4	190.0	80.0	0	0	0	21.5	36.2	6.3	174.8	240.8	107.3	390.3	565.4	223.2	330.0	553.6	182.5
Spain, Galicia	144.8	219.5	75.2	4.7	9.1	0	26.0	36.1	15.7	152.4	223.3	84.3	365.2	560.3	192.5	345.6	662.3	139.3
Spain, La Rioja	101.2	115.6	87.3	0	0	0	10.7	0	21.4	117.1	148.2	85.7	245.7	251.3	240.4	343.4	493.9	240.7
Spain, Murcia	133.0	185.0	80.8	5.8	5.7	6.0	35.1	41.6	28.2	162.7	227.7	96.5	469.0	754.3	214.3	481.2	776.7	279.6
Spain, Navarre *	105.0	138.6	72.2				75.4	59.8	91.2	89.0	124.5	52.9	260.1	411.3	118.5	301.3	521.1	151.8
Spain, Valencian region †	148.9	205.7	93.7	3.0	3.9	2.1	39.4	63.2	14.8	151.8	199.5	104.6	407.0	612.7	225.8	538.9	867.3	315.3
Sweden	100.4	136.9	63.4	9.5	11.3	7.7	40.6	52.5	27.9	113.4	151.1	74.8	261.4	378.0	149.0	312.4	492.3	172.0
Switzerland †	96.1	127.2	65.5	6.8	9.8	3.6	30.9	39.4	22.1	100.8	124.6	76.8	257.0	345.8	175.5	345.3	581.2	178.1
the Netherlands	107.5	137.7	77.6	7.6	7.2	8.1	38.4	45.4	31.3	122.1	149.0	95.1	282.8	364.0	204.3	336.7	551.4	176.9
United Kingdom, England † #	100.8	132.0	70.2	9.6	10.5	8.7	45.9	56.1	35.6	147.3	194.3	101.6	246.1	327.3	171.0	251.3	398.9	139.2
United Kingdom, Northern Ireland † #	103.8	133.8	74.5				57.1	72.3	42.0	129.2	164.1	95.8	302.9	417.2	195.1	283.1	433.7	172.7
United Kingdom, Scotland	93.5	118.6	69.6	7.9	10.3	5.4	46.8	61.2	32.5	126.4	159.1	95.8	221.7	317.4	134.1	212.8	266.2	174.9
United Kingdom, Wales † #	108.5	143.1	74.9	10.9			56.3	68.6	43.8	131.5	150.4	113.5	266.2	374.6	164.4	248.8	449.5	94.3

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

* 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						Men						Women					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Austria	100	64.8	16.1	68.2	56.3	76.8	66.2	64.6	15.8	67.2	56.2	76.3	33.8	65.2	16.7	70.1	56.6	77.8
Belgium, Dutch-speaking *	100	71.0	13.7	73.7	63.1	81.6	63.5	70.8	13.6	73.4	62.3	81.2	36.5	71.4	13.8	74.4	63.6	82.3
Belgium, French-speaking *	100	67.7	13.3	69.7	59.8	77.1	61.9	67.6	13.4	69.6	59.9	76.8	38.1	68.0	13.3	69.9	59.6	78.2
Bosnia and Herzegovina	100	62.3	13.9	64.6	55.7	71.3	62.5	62.0	13.3	64.7	55.4	70.7	37.5	62.7	14.9	64.6	56.6	74.0
Denmark	100	64.3	15.6	67.1	55.1	75.7	66.4	63.8	15.4	66.4	54.5	75.2	33.6	65.4	16.0	67.7	56.9	76.5
Estonia	100	60.3	16.5	63.4	50.8	72.2	52.0	61.4	16.0	64.7	50.6	73.3	48.0	59.1	17.2	63.2	55.0	69.4
Finland	100	61.1	16.8	64.7	51.3	73.2	62.7	62.7	16.3	66.9	53.2	74.7	37.3	58.4	17.4	62.5	47.3	70.7
France †	100	67.2	16.0	70.3	58.9	78.8	65.2	67.5	15.8	70.5	59.7	78.8	34.8	66.7	16.4	69.8	57.8	78.7
Greece	100	70.9	14.1	73.8	63.7	81.6	67.0	70.7	13.9	73.4	63.7	81.1	33.0	71.4	14.5	74.4	63.4	82.7
Iceland	100	65.0	18.9	72.2	56.1	78.9	62.9	65.3	21.4	72.7	59.7	78.2	37.1	64.4	14.7	61.5	55.1	78.9
Montenegro * †	100	60.2	13.4	61.9	54.2	69.1	70.1	61.3	12.2	62.8	56.0	69.1	29.9	57.1	16.4	59.2	46.2	68.1
Norway	100	62.3	17.1	65.9	52.8	74.9	67.7	62.0	17.2	66.7	52.1	74.9	32.3	62.7	17.0	64.6	54.4	74.9
Romania	100	60.9	14.4	63.4	52.2	71.0	59.6	60.2	14.4	62.5	51.7	70.8	40.4	61.9	14.4	64.9	53.0	71.6
Serbia	100	60.4	14.2	63.1	52.4	70.1	63.1	60.3	14.6	62.7	53.4	70.1	36.9	60.7	13.5	63.6	51.0	69.9
Spain, Andalusia	100	64.5	15.7	67.6	56.5	76.2	63.7	64.6	15.5	67.1	56.6	75.9	36.3	64.3	16.1	68.4	56.1	76.4
Spain, Aragon	100	64.7	16.3	68.2	56.0	76.7	74.6	66.2	15.8	69.7	57.7	77.7	25.4	60.4	17.3	61.7	53.9	73.7
Spain, Asturias	100	67.2	15.3	69.7	61.6	77.0	67.1	65.8	16.4	68.8	59.8	76.7	32.9	70.0	12.6	70.1	66.0	77.3
Spain, Basque country	100	65.4	15.9	69.0	57.6	76.5	70.3	66.5	14.6	70.0	59.2	76.8	29.7	62.9	18.6	67.9	56.4	75.5
Spain, Canary Islands	100	64.2	14.8	66.8	56.0	75.2	68.8	64.2	14.8	67.2	55.4	75.0	31.2	64.3	14.7	65.4	56.4	75.4
Spain, Cantabria *	100	65.5	12.6	67.2	60.8	74.0	72.9	66.7	12.6	67.7	61.8	75.3	27.1	62.3	12.4	65.8	58.3	68.6
Spain, Castile and León * †	100	69.0	12.9	71.0	62.3	79.0	67.9	68.5	13.1	69.9	62.3	79.0	32.1	70.1	12.6	72.9	62.5	78.9
Spain, Castile-La Mancha *	100	65.2	13.1	66.6	55.3	74.9	66.7	65.6	11.4	66.0	58.6	74.2	33.3	64.5	15.9	66.9	52.5	77.7
Spain, Catalonia †	100	65.8	15.8	68.8	57.1	77.7	67.1	66.5	15.6	70.0	57.9	77.7	32.9	64.5	16.3	66.1	54.5	77.5
Spain, Community of Madrid	100	64.6	15.9	68.1	55.3	76.6	68.5	64.5	15.6	67.9	55.3	76.1	31.5	64.8	16.5	68.9	55.4	77.4
Spain, Extremadura	100	66.0	12.2	66.9	57.5	75.4	69.9	65.4	12.5	66.1	57.6	75.3	30.1	67.4	11.6	67.8	57.4	76.5
Spain, Galicia	100	67.6	12.6	69.8	61.0	77.0	73.1	67.7	12.8	70.1	60.6	77.5	26.9	67.2	12.2	67.9	61.5	76.2
Spain, La Rioja	100	69.3	11.0	70.5	60.6	78.6	56.3	69.6	11.0	68.8	59.9	80.2	43.8	68.9	11.4	71.8	62.2	77.6
Spain, Murcia	100	65.0	14.1	67.0	58.3	75.4	69.7	64.9	13.7	66.7	57.6	75.2	30.3	65.2	15.2	67.5	60.3	77.0
Spain, Navarre *	100	63.6	15.9	68.9	54.9	76.3	65.2	66.5	13.7	70.3	62.3	77.1	34.8	57.9	18.3	64.5	37.5	75.0
Spain, Valencian region †	100	66.6	14.0	70.2	58.5	77.0	68.1	66.0	14.3	69.4	58.5	76.8	31.9	67.8	13.2	71.5	58.0	77.6
Sweden	100	63.5	17.5	67.9	54.3	76.4	68.6	63.8	17.4	68.5	55.1	76.4	31.4	62.8	17.8	66.9	53.2	76.4
Switzerland †	100	65.2	16.3	68.6	57.2	77.3	65.7	65.6	16.9	69.8	58.2	77.7	34.3	64.5	15.1	67.1	55.6	76.0
the Netherlands	100	63.8	15.9	67.7	55.1	75.5	63.7	64.7	15.6	68.7	56.0	76.0	36.3	62.3	16.2	66.0	53.2	74.2
United Kingdom, England †	100	60.7	16.9	63.2	50.8	73.7	64.8	61.3	16.7	63.8	51.4	74.1	35.2	59.5	17.2	62.4	49.2	72.8
United Kingdom, Northern Ireland †	100	59.2	18.1	63.2	47.8	72.7	63.6	59.4	17.8	63.4	49.0	72.9	36.4	58.9	18.6	62.7	47.5	72.7
United Kingdom, Scotland	100	59.0	17.0	62.0	50.0	72.0	61.8	58.0	17.0	62.0	49.0	71.0	38.2	61.0	17.0	62.0	52.0	92.0
United Kingdom, Wales †	100	61.7	17.3	65.8	52.1	74.7	65.0	62.8	17.3	68.0	53.2	75.4	35.0	59.1	17.3	63.2	50.0	71.6

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	Men	Women
	Pmp	Pmp	Pmp
Austria §	101.9	137.1	68.4
Belgium, Dutch-speaking *	144.7	181.3	109.9
Belgium, French-speaking *	171.0	217.1	127.1
Bosnia and Herzegovina	112.3	146.2	80.0
Denmark	110.5	145.9	76.8
Estonia	57.1	66.3	48.3
Finland	88.1	110.4	66.8
France †	142.5	189.4	97.8
Greece	197.8	267.3	131.6
Iceland	116.2	138.3	95.1
Montenegro * †	98.2	141.6	56.8
Norway	100.2	133.5	68.3
Romania	124.5	155.2	95.1
Serbia	75.4	98.8	53.0
Spain, Andalusia	139.9	179.3	102.2
Spain, Aragon	121.2	181.0	64.2
Spain, Asturias	131.2	183.9	80.9
Spain, Basque country	112.1	160.0	66.5
Spain, Canary Islands	173.2	239.2	110.1
Spain, Cantabria *	107.0	158.0	58.4
Spain, Castile and León * †	92.6	124.8	62.0
Spain, Castile-La Mancha *	93.5	124.9	63.5
Spain, Catalonia †	164.5	224.4	107.4
Spain, Community of Madrid	109.5	155.4	65.8
Spain, Extremadura	122.4	172.5	74.5
Spain, Galicia	119.6	178.3	63.6
Spain, La Rioja	93.1	103.2	83.3
Spain, Murcia	149.3	210.5	91.0
Spain, Navarre *	102.2	132.3	73.5
Spain, Valencian region †	143.7	197.8	92.1
Sweden	97.7	131.9	65.2
Switzerland †	94.4	123.5	66.6
the Netherlands	103.1	130.3	77.2
United Kingdom, England †	103.3	134.4	73.6
United Kingdom, Northern Ireland †	110.1	141.2	80.5
United Kingdom, Scotland	92.3	115.6	70.0
United Kingdom, Wales †	104.0	134.4	75.0

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

* 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 §	104.9	100	10.9	10.4	3.4	3.2	6.3	6.0	4.4	4.2	21.9	20.9	26.3	25.1	18.5	17.7	2.4	2.2	22.8	21.7	14.2	13.5	0.2	0.2
Belgium, Dutch-speaking *	157.3	100	14.4	9.2	6.3	4.0	6.5	4.1	5.3	3.3	28.3	18.0	33.5	21.3	16.8	10.7	5.9	3.7	58.8	37.3	15.2	9.6	0	0
Belgium, French-speaking *	158.7	100	12.1	7.6	6.3	4.0	6.3	4.0	2.2	1.4	37.2	23.5	39.5	24.9	26.2	16.5	1.6	1.0	38.4	24.2	28.2	17.8	0	0
Bosnia and Herzegovina	101.9	100	9.9	9.7	10.5	10.3	6.8	6.7	6.5	6.4	21.5	21.1	28.0	27.5	13.3	13.1	2.3	2.2	12.7	12.5	18.4	18.1	0	0
Denmark	114.3	100	14.6	12.8	6.3	5.5	8.0	7.0	5.9	5.2	25.0	21.8	30.9	27.0	11.7	10.3	0.8	0.7	19.4	16.9	22.6	19.8	0	0
Estonia	56.4	100	7.5	13.3	3.8	6.7	6.8	12.0					13.5	24.0	14.3	25.3	0	0	10.5	18.7	0	0	0	0
Finland	93.5	100	12.3	13.2	5.4	5.8	9.0	9.7	14.1	15.1	17.2	18.4	31.3	33.5	7.1	7.5	0.2	0.2	13.4	14.3	14.8	15.9	0	0
France †	146.4	100	16.4	11.2	7.2	4.9	9.2	6.3					34.5	23.6	35.4	24.2	1.4	1.0	20.6	14.1	21.2	14.5	0.4	0.3
Greece	230.2	100	18.1	7.9	10.4	4.5	8.9	3.9	1.3	0.6	55.8	24.2	57.1	24.8	24.0	10.4	3.1	1.3	28.6	12.4	80.0	34.8	0	0
Iceland	95.5	100	13.6	14.3	2.7	2.9	5.5	5.7	2.7	2.9	8.2	8.6	10.9	11.4	30.0	31.4	2.7	2.9	24.6	25.7	5.5	5.7	0	0
Montenegro * †	95.0	100	9.7	10.2	1.6	1.7	1.6	1.7	11.3	11.9	11.3	11.9	22.5	23.7	18.8	19.8	0	0	15.6	16.4	25.2	26.6	0	0
Norway	97.2	100	17.3	17.8	3.3	3.4	8.4	8.6	3.7	3.8	12.1	12.4	15.8	16.3	29.0	29.8	0.7	0.8	19.3	19.9	3.0	3.1	0.4	0.4
Romania	125.7	100	13.2	10.5	5.0	4.0	3.6	2.8					16.0	12.7	9.2	7.3	0.8	0.6	21.3	16.9	56.7	45.1	0	0
Serbia	80.8	100	9.0	11.2	6.3	7.8	4.0	5.0					23.0	28.5	19.5	24.1	0.8	1.0	12.9	15.9	5.3	6.6	0	0
Spain, Andalusia	136.6	100	17.7	12.9	7.5	5.5	7.8	5.7					36.0	26.4	13.2	9.7	1.8	1.3	25.9	19.0	26.7	19.6	0	0
Spain, Aragon	133.0	100	27.1	20.3	6.8	5.1	3.8	2.8	3.0	2.3	30.8	23.2	33.8	25.4	16.5	12.4	0.8	0.6	14.3	10.7	30.1	22.6	0	0
Spain, Asturias	161.4	100	20.7	12.8	8.9	5.5	9.8	6.1	3.9	2.4	43.3	26.8	47.2	29.3	38.4	23.8	0	0	20.7	12.8	15.7	9.8	0	0
Spain, Basque country	126.2	100	15.1	12.0	3.7	2.9	12.8	10.1	5.0	4.0	27.0	21.4	32.0	25.4	19.2	15.2	1.8	1.4	21.5	17.0	20.1	15.9	0	0
Spain, Canary Islands	170.5	100	24.5	14.4	4.5	2.6	8.5	5.0	4.5	2.6	51.8	30.4	56.2	33.0	15.2	8.9	0.9	0.5	37.9	22.3	22.8	13.4	0	0
Spain, Cantabria *	120.1	100	20.6	17.1	3.4	2.9	12.0	10.0	0	0	34.3	28.6	34.3	28.6	13.7	11.4	1.7	1.4	17.2	14.3	10.3	8.6	6.9	5.7
Spain, Castile and León * † ‡	116.8	100	17.0	14.5	4.9	4.2	9.6	8.2	4.2	3.6	25.1	21.5	29.2	25.0	15.0	12.9	0	0	23.2	19.9	17.8	15.3	0	0
Spain, Castile-La Mancha *	95.3	100	10.3	10.8	10.3	10.8	6.8	7.2					28.8	30.3	2.9	3.1	3.4	3.6	13.7	14.4	19.1	20.0	0	0
Spain, Catalonia †	164.2	100	14.2	8.6	6.8	4.1	8.7	5.3	1.7	1.0	30.1	18.3	32.3	19.7	7.5	4.6	4.0	2.4	17.3	10.5	31.4	19.2	42.0	25.6
Spain, Community of Madrid	105.3	100	15.5	14.7	3.4	3.2	8.8	8.4	1.6	1.5	26.3	24.9	27.9	26.5	11.7	11.1	1.8	1.7	30.4	28.9	5.9	5.6	0	0
Spain, Extremadura	134.4	100	17.9	13.3	8.5	6.3	8.5	6.3					42.3	31.5	3.8	2.8	4.7	3.5	9.4	7.0	39.5	29.4	0	0
Spain, Galicia	144.8	100	14.1	9.7	4.4	3.1	11.5	7.9	2.2	1.5	38.2	26.3	40.4	27.9	14.4	10.0	0.7	0.5	23.3	16.1	35.9	24.8	0	0
Spain, La Rioja	101.2	100	19.0	18.8	6.3	6.3	3.2	3.1	0	0	19.0	18.8	19.0	18.8	15.8	15.6	0	0	25.3	25.0	12.7	12.5	0	0
Spain, Murcia	133.0	100	17.2	12.9	7.3	5.5	9.9	7.5	5.3	4.0	25.1	18.9	30.4	22.9	11.9	9.0	1.3	1.0	30.4	22.9	24.5	18.4	0	0
Spain, Navarre *	105.0	100	13.7	13.0	1.5	1.4	4.6	4.3	7.6	7.2	32.0	30.4	39.6	37.7	9.1	8.7	0	0	18.3	17.4	18.3	17.4	0	0
Spain, Valencian region †	148.9	100	14.8	9.9	5.2	3.5	9.1	6.1					33.2	22.3	28.4	19.1	0.6	0.4	30.2	20.3	27.5	18.5	0	0
Sweden ‡	100.4	100	16.0	16.0	3.4	3.4	7.1	7.0	5.1	5.1	18.7	18.7	23.9	23.8	19.7	19.6	0.8	0.8	20.3	20.2	9.3	9.2	0	0
Switzerland †	96.1	100	12.0	12.5	1.4	1.4	6.4	6.6	2.9	3.0	14.9	15.5	17.8	18.5	19.9	20.7	3.4	3.5	26.6	27.7	8.7	9.0	0	0
the Netherlands	107.5	100	10.8	10.0	2.9	2.7	5.2	4.8	3.2	3.0	19.6	18.2	22.8	21.2	16.1	15.0	10.7	10.0	19.3	17.9	11.2	10.4	8.5	7.9
United Kingdom, England † #	100.8	100	10.6	10.5	5.3	5.3	5.6	5.5					27.2	27.0	7.0	6.9	1.1	1.1	17.8	17.6	13.2	13.1	13.1	13.0
United Kingdom, Northern Ireland † #	103.8	100	10.6	10.2	7.4	7.1	7.9	7.6					21.3	20.5	3.2	3.1	0	0	26.9	25.9	17.8	17.1	8.8	8.5
United Kingdom, Scotland	93.5	100	15.2	16.2	4.4	4.7	7.5	8.0					26.5	28.4	2.7	2.9	1.5	1.6	24.0	25.6	11.5	12.3	0	0
United Kingdom, Wales † #	108.5	100	18.8	17.3	7.0	6.5	6.9	6.4					28.6	26.4	4.1	3.8			31.4	29.0	10.0	9.2		

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

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

* 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 §	101.9	10.8	3.2	6.0	4.3	21.3	25.6	17.9	2.3	22.2	13.8	0.2
Belgium, Dutch-speaking *	144.7	13.9	6.0	6.4	5.1	25.9	31.1	15.0	5.3	53.3	13.9	0
Belgium, French-speaking *	171.0	13.0	6.8	6.7	2.3	40.1	42.4	28.6	1.7	41.0	30.8	0
Bosnia and Herzegovina	112.3	10.3	12.7	6.7	7.2	23.6	30.8	14.5	2.5	14.2	20.8	0
Denmark	110.5	14.9	5.8	7.8	6.1	23.4	29.6	11.5	0.7	18.8	21.4	0
Estonia	57.1	8.0	4.1	6.5			13.8	14.2	0	10.5	0	0
Finland	88.1	12.3	5.0	8.7	14.4	15.3	29.7	6.3	0.1	12.6	13.5	0
France †	142.5	16.5	7.1	9.5			33.6	33.4	1.4	20.4	20.2	0.4
Greece	197.8	16.9	9.1	8.1	1.3	47.7	49.0	20.4	2.5	24.7	67.1	0
Iceland	116.2	14.3	3.0	6.2	3.1	9.2	12.3	41.3	2.9	30.2	6.2	0
Montenegro * †	98.2	10.9	2.1	1.5	11.5	12.2	23.7	21.4	0	15.5	26.3	0
Norway	100.2	17.5	3.3	8.9	3.9	12.6	16.5	29.8	0.9	19.8	3.1	0.4
Romania	124.5	13.0	5.0	3.4			15.7	9.3	0.7	21.3	55.9	0
Serbia	75.4	8.7	5.9	3.8			21.4	17.9	0.8	12.1	4.9	0
Spain, Andalusia	139.9	17.8	7.6	7.6			36.9	13.6	1.9	26.8	27.6	0
Spain, Aragon	121.2	25.6	5.9	3.2	2.9	27.7	30.6	14.5	0.4	13.6	27.4	0
Spain, Asturias	131.2	19.3	7.6	7.8	3.1	33.3	36.4	28.4	0	18.9	12.7	0
Spain, Basque country	112.1	14.1	3.5	11.4	4.8	22.8	27.6	17.0	1.5	19.3	17.8	0
Spain, Canary Islands	173.2	24.5	4.5	7.4	4.1	53.3	57.4	15.8	1.0	38.9	23.6	0
Spain, Cantabria *	107.0	19.2	3.0	11.3	0	29.9	29.9	11.8	1.6	14.8	9.0	6.4
Spain, Castile and León * † ‡	92.6	13.9	4.0	8.2	3.7	19.5	23.2	11.0	0	18.9	13.6	0
Spain, Castile-La Mancha *	93.5	9.7	10.5	6.4			28.3	2.8	3.1	13.7	18.8	0
Spain, Catalonia †	164.5	14.1	6.7	8.5	1.6	30.7	32.8	7.4	4.0	17.3	31.7	42.1
Spain, Community of Madrid	109.5	15.9	3.6	8.9	1.6	27.7	29.3	12.1	1.9	31.8	6.1	0
Spain, Extremadura	122.4	15.4	7.8	8.0			38.6	3.5	4.2	8.8	36.0	0
Spain, Galicia	119.6	12.5	3.6	9.9	2.1	31.1	33.3	11.5	0.6	20.0	28.2	0
Spain, La Rioja	93.1	17.4	5.8	3.0	0	17.5	17.5	14.8	0	22.2	12.3	0
Spain, Murcia	149.3	18.8	8.2	9.8	5.0	29.1	34.1	14.1	1.6	34.2	28.5	0
Spain, Navarre *	102.2	13.5	1.6	4.2	7.8	30.5	38.3	8.7	0	18.6	17.1	0
Spain, Valencian region †	143.7	14.4	5.2	8.5			32.1	27.2	0.6	29.2	26.5	0
Sweden ‡	97.7	15.9	3.2	7.4	5.4	18.1	23.5	18.6	0.7	19.6	8.8	0
Switzerland †	94.4	11.8	1.4	6.3	2.8	14.7	17.5	19.4	3.2	26.2	8.5	0
the Netherlands	103.1	10.5	2.8	5.0	3.2	18.5	21.8	15.6	9.9	18.4	10.8	8.3
United Kingdom, England † #	103.3	10.9	5.4	5.9			28.1	7.2	1.1	18.1	13.4	13.2
United Kingdom, Northern Ireland † #	110.1	11.5	7.9	8.4			22.6	3.4	0	28.6	18.8	9.3
United Kingdom, Scotland	92.3	15.0	4.3	7.6			26.0	2.8	1.4	23.7	11.4	0
United Kingdom, Wales † #	104.0	18.5	6.3	7.1			27.9	3.8		28.8	10.1	

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

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

* 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 §	934	701	0	0	3	105	809	39	53	1	93	15	17	0	32	0	0
Belgium, Dutch-speaking *	1047	608	3	0	0	321	932	63	34	0	97	7	11	0	18	0	0
Belgium, French-speaking *	776	383	9	0	13	283	688	32	46	0	78	3	7	0	10	0	0
Bosnia and Herzegovina	360	293	0	0	0	59	352	0	8	0	8	0	0	0	0	0	0
Denmark	673	379	1	0			380	109	109	0	218	32	43	0	75	0	0
Estonia	75	56	0	0	0	0	56	16	0	0	16	0	3	0	3	0	0
Finland	517	295	14	0	0	49	358	62	69	0	131	12	15	1	28	0	0
France †	9880	6284	15	10	21	2070	8401	286	774	2	1062	158	257	0	415	3	0
Greece	2463	2180	0	0	0	128	2308	52	82	0	134	21	0	0	21	0	0
Iceland	35	22	0	0			22	1	7	0	8	2	3	0	5	0	0
Montenegro * †	59	59	0	0	0	0	59	0	0	0	0	0	0	0	0	0	0
Norway	523	309	2	0			311			144	144	32	36	0	68	0	0
Romania //	2300	2208	0	0	0	32	2240	4	47	0	51	5	4	0	9	0	0
Serbia	502	416	0	0	7	21	444	4	54	0	58	0	0	0	0	0	0
Spain, Andalusia	1160	939	2	0			941			148	148	17	54	0	71	0	0
Spain, Aragon	177	133	0	0		9	142	1	25	0	26	4	4	0	8	1	0
Spain, Asturias	164	125	0	0		0	125	8	21	0	29	1	9	0	10	0	0
Spain, Basque country	276	186	2	0			188	6	60	0	66	15	7	0	22	0	0
Spain, Canary Islands	382	296	0	0	0	0	296	0	0	76	76	2	8	0	10	0	0
Spain, Cantabria *	70	50	0	0			50	2	10	0	12	0	8	0	8	0	0
Spain, Castile and León * †	280	231	1	0			233	16	22	0	38	7	2	0	9	0	0
Spain, Castile-La Mancha *	195	149	0	0			149	5	36	0	41	1	4	0	5	0	0
Spain, Catalonia †	1277	425	3	0		574	1003	41	126	0	166	57	52	0	108	0	0
Spain, Community of Madrid	714	549	5	0			558	44	83	0	127	10	19	0	29	0	0
Spain, Extremadura	143	125	0	0			125	10	7	0	17	0	1	0	1	0	0
Spain, Galicia	391	294	4	0	0	0	298	8	75	0	83	7	1	2	10	0	0
Spain, La Rioja	32	23	0	0	0	0	23	1	8	0	9	0	0	0	0	0	0
Spain, Murcia	201	115	0	0	0	48	163	2	34	0	36	1	1	0	2	0	0
Spain, Navarre *	69	45	5	0			50	15	3	0	18	0	1	0	1	0	0
Spain, Valencian region †	753	576	7	0			583	15	108	0	123	7	40	0	47	0	0
Sweden	1039	573	2	0			575			369	369	41	54	0	95	0	0
Switzerland †	830	639	10	12	19	0	680	39	64	2	105	30	15	0	45	0	0
the Netherlands ‡	1762	1104	4	0		71	1179	163	181	0	344	201	38	0	239	0	0
United Kingdom, England † #	5701	3185	37			730	3957	669	678	20	1367	150	217	9	376		0
United Kingdom, Northern Ireland † #	197	136		0	0	0	137	11		0	16	11	32	0	43	0	0
United Kingdom, Scotland	511	364	0	0			364	0	0	0	101	0	0	0	46	0	0
United Kingdom, Wales † #	344	221		0	0	24	247	31	47		79	10	8	0	17	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 7%

Values based on 1 to 5 patients are suppressed

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

	Incidence per million population by treatment modality, unadjusted at day 91																
	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
Austria §	104.9	78.8	0	0	0.3	11.8	90.9	4.4	6.0	0.1	10.4	1.7	1.9	0	3.6	0	0
Belgium, Dutch-speaking *	157.3	91.4	0.5	0	0	48.2	140.1	9.5	5.1	0	14.6	1.1	1.7	0	2.7	0	0
Belgium, French-speaking *	158.7	78.3	1.8	0	2.7	57.9	140.7	6.5	9.4	0	16.0	0.6	1.4	0	2.0	0	0
Bosnia and Herzegovina	101.9	83.0	0	0	0	16.7	99.7	0	2.3	0	2.3	0	0	0	0	0	0
Denmark	114.3	64.4	0.2	0			64.5	18.5	18.5	0	37.0	5.4	7.3	0	12.7	0	0
Estonia	56.4	42.1	0	0	0	0	42.1	12.0	0	0	12.0	0	2.3	0	2.3	0	0
Finland	93.5	53.3	2.5	0	0	8.9	64.7	11.2	12.5	0	23.7	2.2	2.7	0.2	5.1	0	0
France †	146.4	93.1	0.2	0.2	0.3	30.7	124.5	4.2	11.5	0	15.7	2.3	3.8	0	6.1	0	0
Greece	230.2	203.8	0	0	0	12.0	215.7	4.9	7.7	0	12.5	2.0	0	0	2.0	0	0
Iceland	95.5	60.0	0	0			60.0	2.7	19.1	0	21.8	5.5	8.2	0	13.6	0	0
Montenegro * †	95.0	95.0	0	0	0	0	95.0	0	0	0	0	0	0	0	0	0	0
Norway	97.2	57.4	0.4	0			57.8			26.8	26.8	5.9	6.7	0	12.6	0	0
Romania //	125.7	120.6	0	0	0	1.7	122.4	0.2	2.6	0	2.8	0.3	0.2	0	0.5	0	0
Serbia	80.8	67.0	0	0	1.1	3.4	71.5	0.6	8.7	0	9.3	0	0	0	0	0	0
Spain, Andalusia	136.6	110.6	0.2	0			110.8			17.4	17.4	2.0	6.4	0	8.4	0	0
Spain, Aragon	133.0	99.9	0	0		6.8	106.7	0.8	18.8	0	19.5	3.0	3.0	0	6.0	0.8	0
Spain, Asturias	161.4	123.0	0	0		0	123.0	7.9	20.7	0	28.5	1.0	8.9	0	9.8	0	0
Spain, Basque country	126.2	85.0	0.9	0			85.9	2.7	27.4	0	30.2	6.9	3.2	0	10.1	0	0
Spain, Canary Islands	170.5	132.1	0	0	0	0	132.1	0	0	33.9	33.9	0.9	3.6	0	4.5	0	0
Spain, Cantabria *	120.1	85.8	0	0			85.8	3.4	17.2	0	20.6	0	13.7	0	13.7	0	0
Spain, Castile and León * †	116.8	96.6	0.6	0			97.2	6.8	9.0	0	15.9	2.9	0.8	0	3.8	0	0
Spain, Castile-La Mancha *	95.3	72.8	0	0			72.8	2.4	17.6	0	20.0	0.5	2.0	0	2.4	0	0
Spain, Catalonia †	164.2	54.7	0.4	0		73.8	128.9	5.2	16.2	0	21.4	7.3	6.6	0	13.9	0	0
Spain, Community of Madrid	105.3	81.0	0.7	0			82.3	6.5	12.2	0	18.7	1.5	2.8	0	4.3	0	0
Spain, Extremadura	134.4	117.5	0	0			117.5	9.4	6.6	0	16.0	0	0.9	0	0.9	0	0
Spain, Galicia	144.8	108.9	1.5	0	0	0	110.4	3.0	27.8	0	30.7	2.6	0.4	0.7	3.7	0	0
Spain, La Rioja	101.2	72.8	0	0	0	0	72.8	3.2	25.3	0	28.5	0	0	0	0	0	0
Spain, Murcia	133.0	76.1	0	0	0	31.8	107.9	1.3	22.5	0	23.8	0.7	0.7	0	1.3	0	0
Spain, Navarre *	105.0	68.5	7.6	0			76.1	22.8	4.6	0	27.4	0	1.5	0	1.5	0	0
Spain, Valencian region †	148.9	113.9	1.4	0			113.3	3.0	21.3	0	24.3	1.5	7.8	0	9.3	0	0
Sweden	100.4	55.3	0.2	0			55.5			35.6	35.6	4.0	5.2	0	9.2	0	0
Switzerland †	96.1	74.0	1.2	1.4	2.2	0	78.7	4.6	7.4	0.2	12.2	3.5	1.7	0	5.2	0	0
the Netherlands	107.5	67.3	0.2	0		4.3	71.9	9.9	11.0	0	21.0	12.3	2.3	0	14.6	0	0
United Kingdom, England † #	100.8	56.3	0.7			12.9	70.0	11.8	12.0	0.3	24.2	2.6	3.8	0.2	6.6	0	0
United Kingdom, Northern Ireland † #	103.8	71.6		0	0	0	72.5	5.8		0	8.4	5.8	17.1	0	22.9	0	0
United Kingdom, Scotland	93.5	66.6	0	0			66.6	0	0	0	18.5	0	0	0	8.4	0	0
United Kingdom, Wales † #	108.5	69.8		0	0	7.6	78.0	9.8	14.8		25.0	3.0	2.4	0	5.5	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

§ 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, 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

	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
Austria §	101.9	76.3	0	0	0.3	11.5	88.1	4.3	5.8	0.1	10.2	1.7	1.9	0	3.6	0	0
Belgium, Dutch-speaking *	144.7	83.4	0.5	0	0	44.5	128.3	9.1	4.7	0	13.8	1.1	1.6	0	2.6	0	0
Belgium, French-speaking *	171.0	84.2	1.9	0	2.8	63.0	151.9	6.9	10.1	0	17.0	0.7	1.5	0	2.1	0	0
Bosnia and Herzegovina	112.3	91.8	0	0	0	18.2	110.0	0	2.3	0	2.3	0	0	0	0	0	0
Denmark	110.5	62.0	0.2	0		62.2	62.2	17.9	17.9	0	35.8	5.4	7.1	0	12.5	0	0
Estonia	57.1	42.5	0	0	0	0	42.5	12.1	0	0	12.1	0	2.4	0	2.4	0	0
Finland	88.1	49.3	2.7	0	0	8.5	60.5	11.2	11.2	0	22.5	2.2	2.8	0.2	5.2	0	0
France †	142.5	90.4	0.2	0.1	0.3	29.6	120.7	4.2	11.0	0	15.3	2.5	4.0	0	6.5	0	0
Greece	197.8	173.5	0	0	0	11.0	184.6	4.4	6.8	0	11.2	2.0	0	0	2.0	0	0
Iceland	116.2	75.7	0	0		75.7	75.7	4.3	20.5	0	24.8	6.4	9.3	0	15.7	0	0
Montenegro * †	98.2	98.2	0	0	0	0	98.2	0	0	0	0	0	0	0	0	0	0
Norway	100.2	59.5	0.4	0		59.9	59.9			27.5	27.5	5.9	6.8	0	12.8	0	0
Romania //	124.5	119.5	0	0	0	1.7	121.2	0.2	2.5	0	2.7	0.3	0.2	0	0.5	0	0
Serbia	75.4	62.2	0	0	1.0	3.2	66.4	0.7	8.3	0	9.0	0	0	0	0	0	0
Spain, Andalusia	139.9	113.7	0.2	0		114.0	114.0			17.7	17.7	1.9	6.3	0	8.2	0	0
Spain, Aragon	121.2	90.3	0	0		6.3	96.6	0.7	17.2	0	17.9	2.9	3.0	0	5.9	0.8	0
Spain, Asturias	131.2	97.6	0	0		0	97.6	8.3	16.3	0	24.7	0.8	8.1	0	8.9	0	0
Spain, Basque country	112.1	75.3	0.8	0		76.1	76.1	2.3	24.2	0	26.4	6.6	3.0	0	9.6	0	0
Spain, Canary Islands	173.2	134.7	0	0	0	0	134.7	0	0	34.1	34.1	0.9	3.5	0	4.3	0	0
Spain, Cantabria *	107.0	74.9	0	0		74.9	74.9	3.3	16.1	0	19.4	0	12.7	0	12.7	0	0
Spain, Castile and León * †	92.6	75.9	0.5	0		76.4	76.4	5.4	7.7	0	12.9	2.7	0.7	0	3.5	0	0
Spain, Castile-La Mancha *	93.5	71.4	0	0		71.4	71.4	2.4	17.1	0	19.5	0.5	2.1	0	2.6	0	0
Spain, Catalonia †	164.5	55.5	0.4	0		73.6	129.2	5.1	16.3	0	21.4	7.1	6.8	0	13.9	0	0
Spain, Community of Madrid	109.5	84.7	0.8	0		86.2	86.2	6.5	12.6	0	19.1	1.4	2.9	0	4.3	0	0
Spain, Extremadura	122.4	106.1	0	0		106.1	106.1	8.8	6.5	0	15.3	0	1.0	0	1.0	0	0
Spain, Galicia	119.6	89.0	1.2	0	0	0	90.2	2.8	22.9	0	25.7	2.5	0.3	0.8	3.6	0	0
Spain, La Rioja	93.1	66.5	0	0	0	0	66.5	2.8	23.7	0	26.6	0	0	0	0	0	0
Spain, Murcia	149.3	87.4	0	0	0	35.2	122.6	1.4	24.1	0	25.5	0.6	0.7	0	1.3	0	0
Spain, Navarre *	102.2	67.2	7.4	0		74.6	74.6	21.6	4.5	0	26.1	0	1.6	0	1.6	0	0
Spain, Valencian region †	143.7	109.9	1.3	0		111.3	111.3	2.8	20.5	0	23.4	1.5	7.6	0	9.2	0	0
Sweden	97.7	53.5	0.2	0		53.7	53.7			34.6	34.6	4.0	5.4	0	9.5	0	0
Switzerland †	94.4	72.5	1.3	1.4	2.2	0	77.2	4.5	7.3	0.2	12.0	3.4	1.8	0	5.2	0	0
the Netherlands	103.1	64.3	0.3	0		4.2	68.7	9.6	10.4	0	20.0	12.1	2.3	0	14.4	0	0
United Kingdom, England † #	103.3	57.8	0.7			13.1	71.7	12.1	12.3	0.3	24.7	2.7	4.0	0.1	6.9	0	0
United Kingdom, Northern Ireland † #	110.1	76.6		0	0	0	77.0	6.5		0	9.5	5.7	18.1	0	23.8	0	0
United Kingdom, Scotland	92.3	65.3	0	0		65.3	65.3	0	0	0	18.5	0	0	0	8.4	0	0
United Kingdom, Wales † #	104.0	66.2		0	0	7.4	74.0	9.3	14.7		24.3	3.1	2.5	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

§ 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, 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	75.1	0	0	0.3	11.2	86.6	4.2	5.7	0.1	10.0	1.6	1.8	0	3.4	0	0
Belgium, Dutch-speaking *	100	58.1	0.3	0	0	30.7	89.0	6.0	3.2	0	9.3	0.7	1.1	0	1.7	0	0
Belgium, French-speaking *	100	49.4	1.2	0	1.7	36.5	88.7	4.1	5.9	0	10.1	0.4	0.9	0	1.3	0	0
Bosnia and Herzegovina	100	81.4	0	0	0	16.4	97.8	0	2.2	0	2.2	0	0	0	0	0	0
Denmark	100	56.3	0.1	0			56.5	16.2	16.2	0	32.4	4.8	6.4	0	11.1	0	0
Estonia	100	74.7	0	0	0	0	74.7	21.3	0	0	21.3	0	4.0	0	4.0	0	0
Finland	100	57.1	2.7	0	0	9.5	69.2	12.0	13.3	0	25.3	2.3	2.9	0.2	5.4	0	0
France †	100	63.6	0.2	0.1	0.2	20.9	85.0	2.9	7.8	0	10.7	1.6	2.6	0	4.2	0	0
Greece	100	88.5	0	0	0	5.2	93.7	2.1	3.3	0	5.4	0.9	0	0	0.9	0	0
Iceland	100	62.9	0	0			62.9	2.9	20.0	0	22.9	5.7	8.6	0	14.3	0	0
Montenegro * †	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Norway	100	59.1	0.4	0			59.5			27.5	27.5	6.1	6.9	0	13.0	0	0
Romania //	100	96.0	0	0	0	1.4	97.4	0.2	2.0	0	2.2	0.2	0.2	0	0.4	0	0
Serbia	100	82.9	0	0	1.4	4.2	88.4	0.8	10.8	0	11.6	0	0	0	0	0	0
Spain, Andalusia	100	80.9	0.2	0			81.1			12.8	12.8	1.5	4.7	0	6.1	0	0
Spain, Aragon	100	75.1	0	0		5.1	80.2	0.6	14.1	0	14.7	2.3	2.3	0	4.5	0.6	0
Spain, Asturias	100	76.2	0	0		0	76.2	4.9	12.8	0	17.7	0.6	5.5	0	6.1	0	0
Spain, Basque country	100	67.4	0.7	0			68.1	2.2	21.7	0	23.9	5.4	2.5	0	8.0	0	0
Spain, Canary Islands	100	77.5	0	0	0	0	77.5	0	0	19.9	19.9	0.5	2.1	0	2.6	0	0
Spain, Cantabria *	100	71.4	0	0			71.4	2.9	14.3	0	17.1	0	11.4	0	11.4	0	0
Spain, Castile and León * †	100	82.7	0.5	0			83.2	5.8	7.7	0	13.6	2.5	0.7	0	3.2	0	0
Spain, Castile-La Mancha *	100	76.4	0	0			76.4	2.6	18.5	0	21.0	0.5	2.1	0	2.6	0	0
Spain, Catalonia †	100	33.3	0.2	0		45.0	78.5	3.2	9.8	0	13.0	4.4	4.0	0	8.5	0	0
Spain, Community of Madrid	100	76.9	0.7	0			78.2	6.2	11.6	0	17.8	1.4	2.7	0	4.1	0	0
Spain, Extremadura	100	87.4	0	0			87.4	7.0	4.9	0	11.9	0	0.7	0	0.7	0	0
Spain, Galicia	100	75.2	1.0	0	0	0	76.2	2.0	19.2	0	21.2	1.8	0.3	0.5	2.6	0	0
Spain, La Rioja	100	71.9	0	0	0	0	71.9	3.1	25.0	0	28.1	0	0	0	0	0	0
Spain, Murcia	100	57.2	0	0	0	23.9	81.1	1.0	16.9	0	17.9	0.5	0.5	0	1.0	0	0
Spain, Navarre *	100	65.2	7.2	0			72.5	21.7	4.3	0	26.1	0	1.4	0	1.4	0	0
Spain, Valencian region †	100	76.5	0.9	0			77.4	2.0	14.3	0	16.3	1.0	5.3	0	6.2	0	0
Sweden	100	55.1	0.2	0			55.3			35.5	35.5	3.9	5.2	0	9.1	0	0
Switzerland †	100	77.0	1.2	1.4	2.3	0	81.9	4.7	7.7	0.2	12.7	3.6	1.8	0	5.4	0	0
the Netherlands	100	62.7	0.2	0		4.0	66.9	9.3	10.3	0	19.5	11.4	2.2	0	13.6	0	0
United Kingdom, England † #	100	55.9	0.6			12.8	69.4	11.7	11.9	0.3	24.0	2.6	3.8	0.2	6.6		0
United Kingdom, Northern Ireland † #	100	69.0		0	0	0	69.8	5.6		0	8.1	5.6	16.4	0	22.0	0	0
United Kingdom, Scotland	100	71.2	0	0			71.2	0	0	0	19.8	0	0	0	9.0	0	0
United Kingdom, Wales † #	100	64.3		0	0	7.0	71.9	9.0	13.7		23.1	2.8	2.2	0	5.0	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, (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, 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.4.2
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	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Austria §	1031.4	1336.9	735.7	54.0	62.1	45.5	384.6	470.8	295.6	1422.8	1852.7	998.9	2743.4	3843.3	1780.0	2329.8	3547.4	1509.4
Belgium, Dutch-speaking *	1288.1	1588.4	993.2				433.5	510.0	355.7	1499.2	1850.7	1141.3	3071.7	3880.9	2301.3	4237.9	6146.0	2888.7
Belgium, French-speaking *	1362.6	1710.1	1028.1				407.6	469.1	345.3	1810.9	2322.9	1301.6	4014.4	5391.0	2819.0	4784.6	7460.6	3159.5
Bosnia and Herzegovina	721.3	886.7	562.0	19.1	22.3	15.7	332.7	406.4	256.3	1077.2	1409.1	761.7	2309.3	3071.7	1714.1	1673.3	2218.8	1330.7
Denmark	965.6	1219.9	713.5	59.6	73.0	45.5	506.0	636.0	371.9	1528.1	1932.6	1122.3	2051.2	2605.2	1529.1	1842.1	2672.4	1211.6
Estonia	789.0	991.9	606.2	49.6	55.2	43.7	397.5	451.0	339.4	1347.9	1715.4	1006.6	1694.9	2399.1	1225.5	1209.4	2505.6	682.6
Finland	959.0	1207.2	716.8	109.2	122.7	95.0	469.9	562.6	371.3	1460.2	1780.7	1139.4	2014.4	2740.6	1360.0	1684.0	2643.1	1053.8
France	1376.0	1754.5	1021.8	59.0	68.7	48.8	594.9	727.6	465.8	1849.9	2338.0	1385.5	3275.4	4401.1	2291.8	3638.1	5718.5	2306.6
Greece	1417.8	1911.9	949.6	42.6	52.5	32.0	444.5	579.6	305.7	1652.1	2298.9	1059.1	3331.6	4858.3	2011.1	3905.8	5773.7	2524.4
Iceland	824.1	1026.6	610.8	66.0	85.8	45.2	446.3	421.7	473.9	1345.2	1680.5	997.9	2251.5	3271.1	1225.9	2150.1	3289.5	1220.2
Montenegro *	387.9	501.3	277.0				208.9	223.7	193.5	672.2	808.4	542.2	1085.9	1785.2	504.6	580.4	1113.6	229.2
Norway	1015.7	1300.8	725.7	80.4	90.9	69.4	456.2	548.9	358.2	1558.1	1933.7	1166.8	2532.8	3486.7	1598.6	2444.7	3727.4	1480.6
Romania	1206.1	1407.1	1013.6	31.7	29.3	34.2	457.6	525.4	385.4	1590.6	1930.8	1253.0	3037.3	3893.7	2382.6	3446.5	4993.7	2563.3
Serbia	888.4	1133.8	655.3	48.9	61.1	35.9	388.1	495.2	276.7	1330.0	1651.7	1026.5	1955.5	2747.3	1309.9	1675.2	2650.1	1037.0
Spain, Andalusia	1301.9	1622.8	989.4	70.4	80.9	59.2	547.2	665.8	425.7	1810.8	2328.3	1301.8	3407.5	4492.5	2430.5	3197.9	4443.3	2359.4
Spain, Aragon	1406.7	1885.7	939.6	56.1	31.1	82.9	490.8	613.7	363.6	1650.6	2093.5	1196.5	3363.9	4965.0	1911.9	3611.1	6023.7	1990.3
Spain, Asturias	1453.9	1989.5	963.5	87.4	130.7	41.6	436.4	575.9	295.2	1682.1	2290.9	1102.5	3188.0	4521.4	2043.9	2760.3	4604.5	1639.8
Spain, Basque country	1272.2	1684.0	886.4	76.5	81.4	71.2	574.0	690.6	457.5	1564.8	2035.6	1107.2	2943.9	4083.9	1943.2	2453.2	4155.2	1377.5
Spain, Canary Islands	1521.4	2014.0	1038.1	42.6	58.5	25.8	513.2	635.1	391.9	2009.3	2627.3	1383.9	4215.0	5910.6	2649.2	4245.6	6555.7	2565.6
Spain, Cantabria *	1166.3	1632.8	722.8				445.5	563.4	324.7	1423.7	1826.6	1028.0	2821.7	4275.7	1525.1	2465.1	4745.3	1039.6
Spain, Castile and León *	1330.7	1781.4	893.9				442.2	562.0	317.0	1545.0	1982.9	1099.7	2909.5	4069.1	1783.6	2815.6	4534.7	1650.9
Spain, Castile-La Mancha *	1202.7	1505.3	897.6				385.2	445.8	320.3	1705.7	2120.8	1272.4	3282.4	4511.0	2111.8	2853.3	4048.8	2011.2
Spain, Catalonia	1490.0	1934.4	1059.8	90.5	108.7	71.2	499.5	628.8	366.2	1971.9	2536.7	1411.6	3873.4	5464.0	2498.9	4112.5	6485.6	2568.9
Spain, Community of Madrid	1143.5	1524.1	794.4	66.4	86.3	45.4	440.1	518.6	364.4	1572.2	2062.4	1121.7	3040.4	4543.2	1827.5	2953.1	5038.6	1653.9
Spain, Extremadura	1300.8	1655.0	954.1	41.0	39.9	42.0	402.9	506.2	295.3	1876.3	2321.9	1420.7	3274.4	4562.6	2045.8	2538.3	3683.6	1783.1
Spain, Galicia	1463.5	1969.6	991.5	70.4	90.8	48.5	527.9	645.5	408.6	1904.9	2531.5	1303.2	3138.4	4429.9	1995.3	2587.6	4243.1	1509.6
Spain, La Rioja	1211.8	1631.2	804.5	16.4	0	33.9	575.5	829.2	320.5	1533.4	1883.9	1178.5	2672.5	3958.5	1442.4	2775.9	4445.4	1636.9
Spain, Murcia	1432.6	1856.7	1007.2	61.2	79.2	42.1	468.4	608.9	318.6	2098.4	2628.3	1559.2	4180.4	6154.1	2418.3	4462.1	6839.1	2840.5
Spain, Navarre *	1375.8	1835.7	926.5				537.6	578.1	496.5	1733.2	2313.4	1141.9	3856.1	5347.3	2459.6	3223.7	5434.8	1720.7
Spain, Valencian region	1477.1	1916.8	1049.8	50.3	68.4	31.2	505.0	653.0	352.2	1830.1	2312.8	1351.9	3745.6	5230.6	2437.0	4212.4	6567.8	2609.5
Sweden	997.9	1280.0	712.3	75.1	89.4	60.0	480.2	571.7	382.8	1591.7	2037.2	1136.2	2286.3	2996.4	1601.6	2044.1	3137.3	1191.6
Switzerland	987.2	1252.8	725.8	61.0	71.2	50.2	366.0	451.7	277.7	1310.8	1648.8	969.2	2622.6	3418.3	1892.4	2556.7	3914.4	1593.9
the Netherlands	1070.9	1302.2	842.4	60.1	70.3	49.4	484.5	577.0	390.2	1508.5	1816.0	1201.3	2521.6	3084.4	1977.5	2454.9	3543.6	1644.2
United Kingdom, England	972.1	1207.5	741.5	81.6	97.5	64.9	544.1	651.3	435.2	1643.2	2042.2	1255.1	2079.5	2654.5	1547.1	1749.4	2573.1	1124.1
United Kingdom, Northern Ireland	1072.0	1311.3	839.4	76.4	96.4	55.2	652.2	747.9	557.2	1779.4	2219.9	1357.8	2222.8	2800.9	1676.9	2357.4	3373.5	1612.8
United Kingdom, Scotland	991.8	1227.7	767.3	68.3	94.0	41.3	547.1	664.6	430.8	1681.0	2054.6	1331.3	2046.9	2699.3	1448.5	1404.8	1991.2	987.4
United Kingdom, Wales	1041.1	1329.0	760.9	76.9	91.6	61.5	630.8	751.6	507.1	1656.1	2149.2	1188.7	2070.0	2669.7	1506.4	1669.1	2554.9	986.8

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

* 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						Men						Women					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Austria	100	62.4	15.5	63.8	53.4	73.5	63.8	62.4	15.2	63.8	53.7	73.4	36.2	62.5	16.0	63.9	52.9	74.1
Belgium, Dutch-speaking *	100	66.5	15.2	68.4	56.9	78.0	61.1	66.3	15.1	68.3	57.0	77.5	38.9	66.7	15.4	68.5	56.8	78.5
Belgium, French-speaking *	100	65.5	14.8	67.0	56.2	75.9	61.5	65.3	14.5	66.8	56.1	75.4	38.5	65.8	15.3	67.5	56.3	76.7
Bosnia and Herzegovina	100	59.9	14.3	61.4	50.8	70.4	60.3	59.1	14.1	60.8	50.0	69.4	39.7	61.1	14.5	63.4	52.5	71.8
Denmark	100	59.3	15.9	60.8	49.4	71.8	62.9	59.1	15.9	60.5	49.3	71.8	37.1	59.6	15.8	61.1	49.8	71.8
Estonia	100	59.0	15.6	60.0	49.4	70.8	59.6	59.0	15.7	59.6	49.5	71.0	40.4	59.1	15.5	60.7	48.8	70.6
Finland	100	60.1	16.4	62.5	51.1	72.4	62.2	60.3	16.3	62.8	51.1	72.5	37.8	59.7	16.6	62.3	51.1	72.1
France	100	63.4	16.2	65.6	53.4	75.0	61.6	63.5	16.0	65.8	53.5	75.0	38.4	63.3	16.4	65.4	53.2	75.1
Greece	100	65.9	15.3	68.0	55.9	77.4	65.6	65.6	15.1	67.8	55.8	76.8	34.4	66.4	15.6	68.5	56.2	78.6
Iceland	100	58.5	16.6	59.7	46.4	72.1	63.9	59.7	17.1	61.4	48.4	72.7	36.1	56.4	15.6	56.6	43.8	69.7
Montenegro *	100	58.2	13.8	61.5	48.5	67.5	63.9	59.8	14.0	62.5	51.5	68.5	36.1	55.5	13.1	57.5	45.5	65.5
Norway	100	60.2	16.1	62.3	50.0	72.5	64.6	60.7	16.0	63.1	50.5	72.6	35.4	59.4	16.4	60.9	48.8	72.1
Romania	100	63.4	15.4	65.3	53.0	74.1	57.1	62.8	15.2	64.5	52.5	73.4	42.9	64.3	15.6	66.3	53.7	75.1
Serbia	100	60.7	14.7	63.0	51.4	70.9	62.2	60.6	15.0	63.0	51.0	70.9	37.8	60.9	14.3	62.7	52.0	71.0
Spain, Andalusia	100	61.4	15.3	62.7	51.8	73.0	61.5	61.0	15.0	62.2	51.9	72.2	38.5	62.0	15.8	63.7	51.8	74.4
Spain, Aragon	100	65.0	15.3	66.7	55.2	77.0	66.2	65.5	14.8	67.2	56.5	77.0	33.8	64.0	16.1	65.2	52.7	77.0
Spain, Asturias	100	64.6	14.2	66.2	56.1	75.0	65.4	64.4	14.2	65.8	56.8	74.8	34.6	65.2	14.3	66.7	55.3	75.9
Spain, Basque country	100	62.4	15.3	64.5	52.9	73.9	64.0	62.9	15.2	64.8	53.4	74.1	36.0	61.6	15.6	63.8	51.5	73.4
Spain, Canary Islands	100	62.5	14.4	63.6	52.9	73.3	65.6	62.7	14.3	64.0	53.4	73.2	34.4	62.3	14.6	63.1	52.0	73.5
Spain, Cantabria *	100	63.7	13.8	65.3	54.5	74.6	68.2	64.5	13.8	66.3	55.4	75.0	31.8	61.8	13.8	62.5	52.5	72.7
Spain, Castile and León *	100	66.0	14.2	67.0	56.6	77.1	65.9	66.0	14.0	67.3	56.9	76.9	34.1	65.8	14.7	66.2	56.2	77.3
Spain, Castile-La Mancha *	100	63.7	14.0	64.3	54.4	74.6	62.8	63.6	13.6	64.3	54.7	73.8	37.2	63.8	14.8	64.0	54.1	75.5
Spain, Catalonia	100	63.5	15.6	65.3	53.5	75.3	63.9	63.5	15.5	65.3	53.7	75.0	36.1	63.6	15.9	65.4	53.3	75.7
Spain, Community of Madrid	100	62.2	15.7	63.7	52.4	73.8	63.8	62.7	15.6	64.4	53.2	74.1	36.2	61.4	15.9	62.6	50.9	73.2
Spain, Extremadura	100	63.1	14.1	63.7	54.2	73.3	62.9	63.0	13.6	63.7	54.5	72.8	37.1	63.3	14.9	63.7	53.9	74.9
Spain, Galicia	100	63.7	14.6	64.8	54.2	74.7	64.9	63.8	14.3	65.0	54.5	74.6	35.1	63.4	15.0	64.5	53.6	74.8
Spain, La Rioja	100	62.7	15.3	63.7	51.0	75.8	66.3	62.3	15.2	64.3	50.9	74.7	33.7	63.3	15.4	62.6	52.5	76.0
Spain, Murcia	100	63.0	15.2	63.8	53.5	74.5	64.9	62.8	15.1	64.0	53.9	74.4	35.1	63.2	15.3	63.7	53.0	75.3
Spain, Navarre *	100	63.7	14.4	65.7	54.0	74.6	65.9	64.5	13.8	66.4	54.8	74.8	34.1	62.3	15.5	64.6	52.0	74.5
Spain, Valencian region	100	64.1	15.1	66.0	54.4	75.5	63.9	63.9	15.1	66.0	54.5	75.4	36.1	64.4	15.1	66.0	54.3	75.8
Sweden	100	60.3	16.3	62.5	50.5	72.9	64.5	60.7	16.2	62.7	50.9	73.2	35.5	59.6	16.6	61.8	49.4	72.2
Switzerland	100	62.8	15.8	64.7	53.6	74.5	63.0	62.9	15.7	64.7	53.6	74.5	37.0	62.7	15.8	64.6	53.6	74.5
the Netherlands	100	61.2	15.6	63.2	51.6	72.9	60.4	61.3	15.6	63.3	51.5	73.1	39.6	61.1	15.7	63.1	51.7	72.7
United Kingdom, England	100	58.3	16.3	59.5	48.4	70.5	61.5	58.5	16.3	59.7	48.6	70.6	38.5	57.9	16.3	59.1	48.0	70.1
United Kingdom, Northern Ireland	100	58.3	16.7	59.2	47.3	71.3	60.3	58.4	16.8	59.5	48.0	71.0	39.7	58.1	16.6	59.1	46.8	71.8
United Kingdom, Scotland	100	57.3	15.3	59.0	48.0	68.0	60.4	57.3	15.6	59.0	48.0	69.0	39.6	57.3	15.0	59.0	48.0	68.0
United Kingdom, Wales	100	58.6	16.3	59.9	48.6	71.0	63.0	59.0	16.3	60.0	49.0	71.4	37.0	58.0	16.2	59.7	47.7	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	Men	Women
	Pmp	Pmp	Pmp
Austria §	1000.8	1294.4	720.9
Belgium, Dutch-speaking *	1213.6	1470.1	969.1
Belgium, French-speaking *	1458.9	1834.7	1100.5
Bosnia and Herzegovina	787.8	980.1	604.4
Denmark	956.7	1202.5	722.3
Estonia	805.9	1037.7	584.9
Finland	913.7	1144.1	694.0
France	1366.6	1723.5	1026.3
Greece	1274.7	1703.2	866.1
Iceland	937.8	1177.3	709.4
Montenegro *	404.9	535.0	280.9
Norway	1048.6	1335.1	775.3
Romania	1208.8	1438.7	989.6
Serbia	836.8	1073.5	611.2
Spain, Andalusia	1306.9	1622.4	1006.0
Spain, Aragon	1273.0	1694.9	870.8
Spain, Asturias	1183.7	1598.2	788.4
Spain, Basque country	1139.7	1485.2	810.3
Spain, Canary Islands	1509.3	1982.0	1058.4
Spain, Cantabria *	1040.8	1443.5	656.8
Spain, Castile and León *	1087.8	1426.2	765.1
Spain, Castile-La Mancha *	1174.4	1467.3	895.1
Spain, Catalonia	1478.5	1919.9	1057.6
Spain, Community of Madrid	1174.8	1563.3	804.4
Spain, Extremadura	1192.9	1505.6	894.6
Spain, Galicia	1241.3	1642.6	858.6
Spain, La Rioja	1113.2	1494.5	749.5
Spain, Murcia	1557.5	2035.0	1102.2
Spain, Navarre *	1319.5	1735.1	923.1
Spain, Valencian region	1417.0	1834.3	1019.0
Sweden	1004.3	1281.6	739.7
Switzerland	969.5	1219.0	731.6
the Netherlands	1043.2	1253.5	842.6
United Kingdom, England	1005.8	1245.0	777.7
United Kingdom, Northern Ireland	1143.5	1395.6	903.1
United Kingdom, Scotland	983.0	1211.3	765.4
United Kingdom, Wales	1031.6	1312.5	763.7

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

* 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 §	1031.4	100	226.9	22.0	69.5	6.7	80.3	7.8	49.5	4.8	144.6	14.0	194.1	18.8	110.2	10.7	42.5	4.1	207.7	20.1	99.2	9.6	0.9	0.1
Belgium, Dutch-speaking *	1288.1	100	222.3	17.3	84.2	6.5	134.5	10.4	48.2	3.7	160.5	12.5	208.7	16.2	110.0	8.5	39.5	3.1	356.2	27.7	132.7	10.3	0	0
Belgium, French-speaking *	1362.6	100	218.6	16.0	93.9	6.9	114.3	8.4	37.6	2.8	204.9	15.0	242.5	17.8	201.0	14.8	20.0	1.5	321.3	23.6	150.9	11.1	0	0
Bosnia and Herzegovina	721.3	100	139.9	19.4	90.6	12.6	42.5	5.9	47.3	6.6	88.1	12.2	135.4	18.8	94.0	13.0	7.1	1.0	104.8	14.5	107.0	14.8	0	0
Denmark	965.6	100	201.6	20.9	63.5	6.6	96.3	10.0	70.5	7.3	92.9	9.6	163.4	16.9	96.3	10.0	3.2	0.3	165.4	17.1	175.8	18.2	0	0
Estonia	789.0	100	202.3	25.6	91.8	11.6	75.2	9.5					150.4	19.1	106.1	13.4	51.1	6.5	111.3	14.1	0.8	0.1	0	0
Finland	959.0	100	204.9	21.4	82.5	8.6	131.3	13.7	149.7	15.6	89.5	9.3	239.3	24.9	47.6	5.0	3.6	0.4	166.2	17.3	83.4	8.7	0.4	0
France	1376.0	100	275.6	20.0	101.1	7.3	138.5	10.1					227.6	16.5	227.7	16.5	11.6	0.8	236.0	17.1	137.2	10.0	20.7	1.5
Greece	1417.8	100	228.2	16.1	84.4	6.0	111.1	7.8	26.5	1.9	236.7	16.7	263.1	18.6	135.8	9.6	16.6	1.2	151.4	10.7	427.2	30.1	0	0
Iceland	824.1	100	196.5	23.8	54.6	6.6	92.8	11.3	51.8	6.3	38.2	4.6	90.1	10.9	147.4	17.9	21.8	2.6	182.8	22.2	38.2	4.6	0	0
Montenegro *	387.9	100	41.8	10.8	20.9	5.4	22.5	5.8	17.7	4.6	38.6	10.0	56.3	14.5	138.4	35.7	0	0	48.3	12.4	59.6	15.4	0	0
Norway	1015.7	100	283.9	27.9	65.6	6.5	111.7	11.0					140.7	13.9	180.5	17.8	6.3	0.6	199.8	19.7	25.7	2.5	1.5	0.1
Romania	1206.1	100	201.0	16.7	91.0	7.5	51.4	4.3					115.0	9.5	69.3	5.7	6.4	0.5	182.4	15.1	489.6	40.6	0	0
Serbia	888.4	100	163.6	18.4	86.3	9.7	58.3	6.6					157.2	17.7	223.2	25.1	7.7	0.9	127.7	14.4	64.3	7.2	0	0
Spain, Andalusia	1301.9	100	266.5	20.5	114.3	8.8	127.7	9.8					217.7	16.7	105.4	8.1	5.3	0.4	203.2	15.6	261.8	20.1	0	0
Spain, Aragon	1406.7	100	292.3	20.8	73.6	5.2	119.5	8.5	65.4	4.6	181.1	12.9	246.5	17.5	141.3	10.0	2.3	0.2	170.6	12.1	360.7	25.6	0	0
Spain, Asturias	1453.9	100	306.1	21.1	96.5	6.6	156.5	10.8	49.2	3.4	218.5	15.0	267.7	18.4	210.7	14.5	0	0	211.6	14.6	204.7	14.1	0	0
Spain, Basque country	1272.2	100	218.1	17.1	104.7	8.2	151.8	11.9	35.7	2.8	127.1	10.0	162.7	12.8	152.2	12.0	3.7	0.3	201.6	15.8	277.5	21.8	0	0
Spain, Canary Islands	1521.4	100	237.0	15.6	83.0	5.5	68.3	4.5	31.2	2.1	379.8	25.0	411.0	27.0	59.4	3.9	3.1	0.2	328.5	21.6	322.7	21.2	8.5	0.6
Spain, Cantabria *	1166.3	100	372.2	31.9	85.8	7.4	130.4	11.2	36.0	3.1	154.4	13.2	190.4	16.3	109.8	9.4	63.5	5.4	140.6	12.1	63.5	5.4	10.3	0.9
Spain, Castile and León * ‡	1330.7	100	240.5	18.1	88.1	6.6	122.8	9.2	69.3	5.2	159.1	12.0	228.4	17.2	154.1	11.6	0.8	0.1	191.2	14.4	304.8	22.9	0	0
Spain, Castile-La Mancha *	1202.7	100	241.8	20.1	127.5	10.6	140.2	11.7					207.1	17.2	57.6	4.8	24.4	2.0	148.0	12.3	253.5	21.1	2.4	0.2
Spain, Catalonia	1490.0	100	286.0	19.2	127.6	8.6	149.9	10.1	35.1	2.4	171.6	11.5	209.2	14.0	111.6	7.5	33.3	2.2	154.5	10.4	306.0	20.5	111.9	7.5
Spain, Community of Madrid	1143.5	100	254.3	22.2	77.6	6.8	129.9	11.4	39.4	3.4	158.0	13.8	197.3	17.3	123.2	10.8	12.2	1.1	263.7	23.1	85.3	7.5	0	0
Spain, Extremadura	1300.8	100	259.4	19.9	94.0	7.2	135.3	10.4					212.4	16.3	72.4	5.6	23.5	1.8	140.0	10.8	353.4	27.2	10.3	0.8
Spain, Galicia	1463.5	100	267.1	18.2	92.6	6.3	175.6	12.0	58.5	4.0	189.3	12.9	247.8	16.9	109.3	7.5	4.1	0.3	253.4	17.3	313.7	21.4	0	0
Spain, La Rioja	1211.8	100	351.2	29.0	53.8	4.4	120.2	9.9	44.3	3.7	107.6	8.9	151.9	12.5	94.9	7.8	3.2	0.3	360.7	29.8	75.9	6.3	0	0
Spain, Murcia	1432.6	100	371.2	25.9	112.5	7.9	119.1	8.3	38.4	2.7	182.6	12.7	221.0	15.4	88.0	6.1	1.3	0.1	238.2	16.6	281.2	19.6	0	0
Spain, Navarre *	1375.8	100	252.6	18.4	50.2	3.7	179.6	13.1	71.5	5.2	155.2	11.3	226.8	16.5	159.8	11.6	1.5	0.1	277.0	20.1	228.3	16.6	0	0
Spain, Valencian region	1477.1	100	182.7	12.4	120.0	8.1	136.6	9.3					222.8	15.1	191.0	12.9	4.7	0.3	224.8	15.2	394.3	26.7	0	0
Sweden ‡	997.9	100	254.0	25.5	51.4	5.1	106.5	10.7					172.3	17.3	111.9	11.2	3.4	0.3	200.4	20.1	97.9	9.8	0	0
Switzerland	987.2	100	208.4	21.1	36.6	3.7	34.5	3.5	24.4	2.5	122.5	12.4	146.9	14.9	130.2	13.2	17.6	1.8	300.8	30.5	112.3	11.4	0	0
the Netherlands	1070.9	100	174.0	16.3	64.7	6.0	92.2	8.6	38.9	3.6	104.0	9.7	142.9	13.3	127.0	11.9	63.0	5.9	225.8	21.1	115.7	10.8	65.6	6.1
United Kingdom, England #	972.1	100	179.2	18.4	93.2	9.6	91.5	9.4					175.2	18.0	64.6	6.6	9.6	1.0	185.1	19.0	138.7	14.3	35.1	3.6
United Kingdom, Northern Ireland #	1072.0	100	205.2	19.1	164.1	15.3	129.3	12.1					157.2	14.7	32.2	3.0	7.4	0.7	222.6	20.8	134.0	12.5	20.0	1.9
United Kingdom, Scotland	991.8	100	220.3	22.2	113.8	11.5	118.7	12.0					172.0	17.3	31.5	3.2	5.9	0.6	222.1	22.4	107.6	10.8	0	0
United Kingdom, Wales #	1041.1	100	257.8	24.8	111.7	10.7	110.1	10.6					189.0	18.2	44.5	4.3	8.5	0.8	201.6	19.4	116.4	11.2		

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

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

* 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 §	1000.8	220.3	67.7	77.2	48.3	140.0	188.2	106.3	40.9	202.6	96.7	0.9
Belgium, Dutch-speaking *	1213.6	213.3	80.9	128.9	46.8	147.2	194.0	101.0	35.2	333.9	126.4	0
Belgium, French-speaking *	1458.9	231.9	100.0	121.9	40.1	220.9	261.0	217.7	21.7	341.6	163.1	0
Bosnia and Herzegovina	787.8	143.5	100.6	44.3	50.5	100.9	151.3	103.1	7.7	119.2	118.0	0
Denmark	956.7	205.0	62.9	94.2	72.4	88.2	160.6	93.0	3.0	164.6	173.5	0
Estonia	805.9	208.4	92.3	72.3			154.7	111.8	52.7	112.9	0.8	0
Finland	913.7	195.8	78.2	121.0	155.6	77.8	233.3	42.7	3.1	161.5	77.8	0.3
France	1366.6	281.2	102.8	138.1			221.9	216.5	11.4	239.5	134.4	20.9
Greece	1274.7	216.7	79.1	103.8	26.0	204.3	230.3	117.6	14.5	140.3	372.4	0
Iceland	937.8	218.3	62.4	109.4	56.0	42.7	98.7	177.6	27.8	203.2	40.3	0
Montenegro *	404.9	41.1	22.2	22.8	18.2	41.3	59.4	145.8	0	51.6	62.0	0
Norway	1048.6	291.0	67.6	117.5			145.5	187.1	6.7	205.4	26.3	1.5
Romania	1208.8	199.7	91.8	50.6			114.2	70.3	6.5	183.8	491.9	0
Serbia	836.8	157.3	82.5	53.6			145.1	208.1	7.3	121.2	61.8	0
Spain, Andalusia	1306.9	262.6	114.3	127.4			220.1	108.3	5.4	204.7	264.1	0
Spain, Aragon	1273.0	270.3	69.1	109.0	60.6	159.7	220.2	120.4	1.8	156.4	325.8	0
Spain, Asturias	1183.7	253.2	83.7	124.2	42.1	168.3	210.4	158.1	0	185.2	169.0	0
Spain, Basque country	1139.7	200.5	96.7	133.6	32.7	108.4	141.2	128.9	3.1	188.3	247.4	0
Spain, Canary Islands	1509.3	226.9	79.4	63.7	27.9	388.5	416.4	61.8	3.1	328.9	321.0	8.0
Spain, Cantabria *	1040.8	333.5	80.9	114.3	32.6	134.8	167.5	93.0	56.3	128.5	57.0	9.7
Spain, Castile and León * ‡	1087.8	206.7	74.0	103.5	61.3	119.8	181.1	114.5	0.7	162.2	245.1	0
Spain, Castile-La Mancha *	1174.4	236.5	124.1	139.3			203.7	55.6	22.9	145.0	245.1	2.3
Spain, Catalonia	1478.5	284.2	125.1	150.3	34.2	172.3	209.1	110.1	33.3	152.9	302.2	111.4
Spain, Community of Madrid	1174.8	259.3	77.6	134.1	38.0	168.9	206.9	127.8	12.9	269.1	87.2	0
Spain, Extremadura	1192.9	240.6	88.0	124.8			191.3	65.1	21.3	132.5	319.7	9.7
Spain, Galicia	1241.3	234.8	81.6	150.7	53.6	150.4	204.0	85.7	3.1	226.4	255.0	0
Spain, La Rioja	1113.2	320.8	49.7	110.5	41.2	95.8	137.1	87.8	2.7	335.6	69.1	0
Spain, Murcia	1557.5	399.3	119.8	125.1	36.6	204.6	241.3	99.8	1.6	259.7	310.9	0
Spain, Navarre *	1319.5	245.1	49.6	172.6	68.2	147.6	215.7	146.9	1.6	271.8	216.0	0
Spain, Valencian region	1417.0	176.0	115.5	129.9			213.5	182.5	4.5	217.0	377.9	0
Sweden ‡	1004.3	258.2	51.4	109.2			173.6	106.9	3.4	202.6	98.9	0
Switzerland	969.5	203.5	36.6	34.2	23.9	120.0	143.9	126.4	17.2	297.3	110.4	0
the Netherlands	1043.2	170.4	64.2	88.0	39.1	98.4	137.4	123.4	60.0	221.6	114.4	63.9
United Kingdom, England #	1005.8	186.2	96.3	95.8			182.0	66.8	9.6	190.0	143.4	35.7
United Kingdom, Northern Ireland #	1143.5	219.9	173.7	137.7			167.7	35.4	8.1	236.5	143.8	20.7
United Kingdom, Scotland	983.0	219.3	113.7	115.5			170.4	31.1	5.6	220.0	107.4	0
United Kingdom, Wales #	1031.6	258.7	114.8	107.8			187.8	42.3	7.9	198.1	112.7	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

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

* 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 §	9181	3289	0	11	9	1059	4368	195	143	8	346	812	3634	10	4456	11	0
Belgium, Dutch-speaking *	8571	2559	61	0	0	1814	4434	239	121	0	360	307	3470	0	3777	0	0
Belgium, French-speaking *	6663	2064	111	0	48	1365	3588	132	153	0	285	268	2339	174	2781	9	0
Bosnia and Herzegovina	2547	1188	0	0	0	881	2069	1	88	3	92	248	132	6	386	0	0
Denmark	5685	1861	165	0			2026	271	232	8	511	1209	1934	2	3145	3	0
Estonia	1049	332	0	0	0	0	332	32	24	1	57	26	634	0	660	0	0
Finland	5303	880	126	0	0	663	1669	182	128	0	310	297	2973	54	3324	0	0
France	92864	30358	646	67	54	16487	47612	1093	1935	2	3030	5503	34714	1512	41729	493	0
Greece	15169	7927	0	0	0	3836	11763	416	257	0	673	1153	1580	0	2733	0	0
Iceland	302	71	0	0			71	3	15	0	18	126	87	0	213	0	0
Montenegro *	241	237	0	0	0	0	237	0	0	0	0	3	0	1	4	0	0
Norway	5464	1311	46	0			1357			416	416	1396	2283	9	3688	3	0
Romania //	22074	17931	0	1	34	1075	19041	69	1030	0	1099	483	799	623	1905	15	14
Serbia	5516	3393	34	10	21	763	4221	40	413	4	457	432	396	4	832	6	0
Spain, Andalusia	11053	4443	25	0			4468			361	361	570	5654	0	6224	0	0
Spain, Aragon	1872	441	1	0		131	573	12	77	0	89	109	1098	0	1207	3	0
Spain, Asturias	1477	542	5	0	0	13	560	25	57	0	82	43	789	3	835	0	0
Spain, Basque country	2783	740	4	0			744	24	126	0	150	189	1700	0	1889	0	0
Spain, Canary Islands	3409	1581	1	0	0	0	1582	0	0	220	220	58	1540	0	1598	9	0
Spain, Cantabria *	680	220	2	0			222	8	32	0	40	22	396	0	418	0	0
Spain, Castile and León *	3187	1138	12	0			1150	77	72	0	149	91	1733	0	1824	64	0
Spain, Castile-La Mancha *	2462	913	0	0			913	24	124	0	148	47	1303	51	1401	0	0
Spain, Catalonia	11593	1006	19	0		3188	4213	207	253	0	460	1437	5483	0	6920	0	0
Spain, Community of Madrid	7753	2943	55	0			3004	140	284	0	424	348	3976	0	4324	1	0
Spain, Extremadura	1384	679	5	0			684	32	16	0	48	29	382	239	650	2	0
Spain, Galicia	3951	1661	17	0	0	0	1678	100	176	0	276	286	1634	77	1997	0	0
Spain, La Rioja	383	129	0	0	0	0	129	6	11	0	17	13	224	0	237	0	0
Spain, Murcia	2165	385	0	0	0	695	1080	21	84	0	105	74	906	0	980	0	0
Spain, Navarre *	904	289	18	0			307	33	5	0	38	38	521	0	559	0	0
Spain, Valencian region	7470	3542	87	0			3629	82	382	0	464	150	2678	523	3351	26	0
Sweden	10332	3063	121	0			3184			916	916	2559	3670	0	6229	3	0
Switzerland	8528	3344	67	1	96	0	3508	146	178	0	324	1798	2871	23	4692	4	0
the Netherlands ‡	17931	4269	272	0		730	5271	617	386	0	1003	6166	5482	9	11657	0	0
United Kingdom, England #	54971	15324	1154		19	4314	20816	1923	1353	37	3313	9840	20248	745	30833	9	0
United Kingdom, Northern Ireland #	2032	537	21		0	11	572	35	10		46	615	738	61	1414	0	0
United Kingdom, Scotland	5421	1841	42	0			1883	125	71	0	196	0	0	0	3342	0	0
United Kingdom, Wales #	3300	1089	103	0	0	91	1283	99	87	0	186	570	1251	10	1831	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	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 §	1031.4	369.5	0	1.2	1.0	119.0	490.7	21.9	16.1	0.9	38.9	91.2	408.3	1.1	500.6	1.2	0
Belgium, Dutch-speaking *	1288.1	384.6	9.2	0	0	272.6	666.3	35.9	18.2	0	54.1	46.1	521.5	0	567.6	0	0
Belgium, French-speaking *	1362.6	422.1	22.7	0	9.8	279.1	733.7	27.0	31.3	0	58.3	54.8	478.3	35.6	568.7	1.8	0
Bosnia and Herzegovina	721.3	336.4	0	0	0	249.5	585.9	0.3	24.9	0.8	26.1	70.2	37.4	1.7	109.3	0	0
Denmark	965.6	316.1	28.0	0			344.1	46.0	39.4	1.4	86.8	205.3	328.5	0.3	534.2	0.5	0
Estonia	789.0	249.7	0	0	0	0	249.7	24.1	18.1	0.8	42.9	19.6	476.9	0	496.4	0	0
Finland	959.0	159.1	22.8	0	0	119.9	301.8	32.9	23.1	0	56.1	53.7	537.7	9.8	601.1	0	0
France	1376.0	449.8	9.6	1.0	0.8	244.3	705.5	16.2	28.7	0	44.9	81.5	514.4	22.4	618.3	7.3	0
Greece	1417.8	740.9	0	0	0	358.6	1099.5	38.9	24.0	0	62.9	107.8	147.7	0	255.5	0	0
Iceland	824.1	193.7	0	0			193.7	8.2	40.9	0	49.1	343.8	237.4	0	581.2	0	0
Montenegro *	387.9	381.5	0	0	0	0	381.5	0	0	0	0	4.8	0	1.6	6.4	0	0
Norway	1015.7	243.7	8.6	0			252.3			77.3	77.3	259.5	424.4	1.7	685.6	0.6	0
Romania //	1206.1	979.7	0	0.1	1.9	58.7	1040.4	3.8	56.3	0	60.0	26.4	43.7	34.0	104.1	0.8	0.8
Serbia	888.4	546.4	5.5	1.6	3.4	122.9	679.8	6.4	66.5	0.6	73.6	69.6	63.8	0.6	134.0	1.0	0
Spain, Andalusia	1301.9	523.3	2.9	0			526.3			42.5	42.5	67.1	665.9	0	733.1	0	0
Spain, Aragon	1406.7	331.4	0.8	0		98.4	430.6	9.0	57.9	0	66.9	81.9	825.1	0	907.0	2.3	0
Spain, Asturias	1453.9	533.5	4.9	0	0	12.8	551.2	24.6	56.1	0	80.7	42.3	776.7	3.0	821.9	0	0
Spain, Basque country	1272.2	338.3	1.8	0			340.1	11.0	57.6	0	68.6	86.4	777.1	0	863.5	0	0
Spain, Canary Islands	1521.4	705.6	0.4	0	0	0	706.0	0	0	98.2	98.2	25.9	687.3	0	713.2	4.0	0
Spain, Cantabria *	1166.3	377.3	3.4	0			380.8	13.7	54.9	0	68.6	37.7	679.2	0	717.0	0	0
Spain, Castile and León *	1330.7	475.2	5.0	0			480.2	32.2	30.1	0	62.2	38.0	723.6	0	761.6	26.7	0
Spain, Castile-La Mancha *	1202.7	446.0	0	0			446.0	11.7	60.6	0	72.3	23.0	636.5	24.9	684.4	0	0
Spain, Catalonia	1490.0	129.3	2.4	0		409.7	541.5	26.6	32.5	0	59.1	184.7	704.7	0	889.4	0	0
Spain, Community of Madrid	1143.5	434.1	8.1	0			443.1	20.6	41.9	0	62.5	51.3	586.4	0	637.8	0.1	0
Spain, Extremadura	1300.8	638.2	4.7	0			642.9	30.1	15.0	0	45.1	27.3	359.0	224.6	610.9	1.9	0
Spain, Galicia	1463.5	615.2	6.3	0	0	0	621.5	37.0	65.2	0	102.2	105.9	605.2	28.5	739.7	0	0
Spain, La Rioja	1211.8	408.2	0	0	0	0	408.2	19.0	34.8	0	53.8	41.1	708.7	0	749.9	0	0
Spain, Murcia	1432.6	254.8	0	0	0	459.9	714.6	13.9	55.6	0	69.5	49.0	599.5	0	648.5	0	0
Spain, Navarre *	1375.8	439.8	27.4	0			467.2	50.2	7.6	0	57.8	57.8	792.9	0	850.7	0	0
Spain, Valencian region	1477.1	700.4	17.2	0			717.6	16.2	75.5	0	91.7	29.7	529.5	103.4	662.6	5.1	0
Sweden	997.9	295.8	11.7	0			307.5			88.5	88.5	247.2	354.5	0	601.6	0.3	0
Switzerland	987.2	387.1	7.8	0.1	11.1	0	406.1	16.9	20.6	0	37.5	208.1	332.4	2.7	543.2	0.5	0
the Netherlands	1070.9	255.0	16.2	0		43.6	314.8	36.8	23.1	0	59.9	368.3	327.4	0.5	696.2	0	0
United Kingdom, England #	972.1	271.0	20.4		0.3	76.3	368.1	34.0	23.9	0.7	58.6	174.0	358.1	13.2	545.2	0.2	0
United Kingdom, Northern Ireland #	1072.0	283.3	11.1		0	5.8	301.8	18.5	5.3		24.3	324.5	389.3	32.2	746.0	0	0
United Kingdom, Scotland	991.8	336.8	7.7	0			344.5	22.9	13.0	0	35.9	0	0	0	611.4	0	0
United Kingdom, Wales #	1041.1	343.6	32.5	0	0	28.7	404.8	31.2	27.4	0	58.7	179.8	394.7	3.2	577.7	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 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%

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 §	1000.8	357.2	0	1.2	1.0	115.0	474.3	21.1	15.5	0.8	37.4	89.4	397.4	1.1	487.9	1.2	0	
Belgium, Dutch-speaking *	1213.6	352.1	9.1	0	0	248.7	610.0	34.1	17.2	0	51.3	47.1	505.3	0	552.4	0	0	
Belgium, French-speaking *	1458.9	456.2	23.6	0	10.5	303.2	793.5	28.8	33.3	0	62.1	56.9	506.6	37.9	601.4	1.9	0	
Bosnia and Herzegovina	787.8	369.5	0	0	0	281.5	651.0	0.4	27.7	0.9	29.0	69.1	37.0	1.7	107.8	0	0	
Denmark	956.7	305.5	28.1	0			333.5	44.7	38.1	1.3	84.1	210.5	327.7	0.3	538.5	0.5	0	
Estonia	805.9	257.5	0	0	0	0	257.5	24.7	18.1	0.8	43.6	20.0	484.8	0	504.8	0	0	
Finland	913.7	146.3	22.7	0	0	110.5	279.5	31.8	20.8	0	52.6	53.1	518.7	9.8	581.6	0	0	
France	1366.6	435.4	10.1	1.0	0.8	234.7	682.0	16.0	27.1	0	43.2	85.7	526.2	22.3	634.2	7.3	0	
Greece	1274.7	632.4	0	0	0	334.8	967.2	35.7	21.9	0	57.6	108.0	141.8	0	249.8	0	0	
Iceland	937.8	238.5	0	0			238.5	12.7	47.8	0	60.6	377.4	261.4	0	638.8	0	0	
Montenegro *	404.9	398.5	0	0	0	0	398.5	0	0	0	0	4.9	0	1.5	6.4	0	0	
Norway	1048.6	253.3	8.8	0			262.1			80.6	80.6	264.5	439.1	1.7	705.3	0.6	0	
Romania //	1208.8	984.2	0	0.1	1.9	57.6	1043.7	3.8	57.1	0	61.0	25.9	43.0	33.7	102.6	0.8	0.7	
Serbia	836.8	507.7	5.4	1.5	3.2	116.7	634.5	6.3	63.0	0.6	69.9	69.2	61.6	0.6	131.5	0.9	0	
Spain, Andalusia	1306.9	538.2	2.8	0			541.0			43.5	43.5	65.7	656.6	0	722.3	0	0	
Spain, Aragon	1273.0	287.7	0.7	0		87.3	375.7	8.6	50.4	0	59.0	80.6	755.9	0	836.5	1.8	0	
Spain, Asturias	1183.7	414.8	4.1	0	0	9.9	428.8	20.9	43.0	0	63.9	40.3	648.4	2.4	691.1	0	0	
Spain, Basque country	1139.7	290.0	1.6	0			291.5	9.9	50.1	0	60.0	84.2	703.9	0	788.2	0	0	
Spain, Canary Islands	1509.3	726.4	0.4	0	0	0	726.7	0	0	99.1	99.1	23.9	655.7	0	679.6	3.8	0	
Spain, Cantabria *	1040.8	331.3	4.2	0			335.5	13.3	48.8	0	62.1	37.2	606.0	0	643.2	0	0	
Spain, Castile and León *	1087.8	364.4	4.6	0			368.9	26.4	23.8	0	50.2	36.0	616.4	0	652.5	16.3	0	
Spain, Castile-La Mancha *	1174.4	430.6	0	0			430.6	10.8	59.5	0	70.3	23.1	625.6	24.7	673.5	0	0	
Spain, Catalonia	1478.5	128.0	2.3	0		401.9	532.2	26.5	32.6	0	59.1	182.0	705.2	0	887.2	0	0	
Spain, Community of Madrid	1174.8	450.8	8.3	0			460.0	20.7	43.2	0	63.9	51.3	599.4	0	650.7	0.2	0	
Spain, Extremadura	1192.9	570.5	4.5	0			574.9	28.4	14.8	0	43.2	27.1	336.8	209.3	573.1	1.6	0	
Spain, Galicia	1241.3	488.9	5.5	0	0	0	494.4	33.2	52.8	0	86.0	98.4	531.4	31.0	660.8	0	0	
Spain, La Rioja	1113.2	360.2	0	0	0	0	360.2	17.9	31.9	0	49.8	41.9	661.3	0	703.3	0	0	
Spain, Murcia	1557.5	283.9	0	0	0	512.5	796.4	13.8	60.5	0	74.3	50.0	636.9	0	686.8	0	0	
Spain, Navarre *	1319.5	412.6	27.0	0			439.6	46.5	8.0	0	54.5	55.7	769.7	0	825.4	0	0	
Spain, Valencian region	1417.0	672.3	16.3	0			688.6	15.8	72.7	0	88.4	29.2	506.4	99.3	634.9	5.0	0	
Sweden	1004.3	288.3	12.3	0			300.6			85.2	85.2	255.7	362.4	0	618.1	0.3	0	
Switzerland	969.5	378.8	7.5	0.1	10.9	0	397.3	16.7	20.2	0	36.8	204.1	328.1	2.6	534.9	0.5	0	
the Netherlands	1043.2	248.8	15.9	0		42.7	307.4	35.6	22.3	0	57.9	361.0	316.4	0.5	677.9	0	0	
United Kingdom, England #	1005.8	278.0	21.3		0.3	78.1	377.8	34.7	24.5	0.6	59.8	180.8	373.3	13.8	568.0	0.2	0	
United Kingdom, Northern Ireland #	1143.5	306.9	11.9		0	6.5	327.1	19.8	5.8		26.2	341.6	414.3	34.3	790.2	0	0	
United Kingdom, Scotland	983.0	330.2	7.4	0			337.7	22.7	12.8	0	35.5	0	0	0	609.9	0	0	
United Kingdom, Wales #	1031.6	328.1	33.2	0	0	27.6	388.9	29.7	26.3	0	56.0	184.7	398.5	3.5	586.7	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 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%

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	35.8	0	0.1	0.1	11.5	47.6	2.1	1.6	0.1	3.8	8.8	39.6	0.1	48.5	0.1	0
Belgium, Dutch-speaking *	100	29.9	0.7	0	0	21.2	51.7	2.8	1.4	0	4.2	3.6	40.5	0	44.1	0	0
Belgium, French-speaking *	100	31.0	1.7	0	0.7	20.5	53.8	2.0	2.3	0	4.3	4.0	35.1	2.6	41.7	0.1	0
Bosnia and Herzegovina	100	46.6	0	0	0	34.6	81.2	0	3.5	0.1	3.6	9.7	5.2	0.2	15.2	0	0
Denmark	100	32.7	2.9	0			35.6	4.8	4.1	0.1	9.0	21.3	34.0	0	55.3	0.1	0
Estonia	100	31.6	0	0	0	0	31.6	3.1	2.3	0.1	5.4	2.5	60.4	0	62.9	0	0
Finland	100	16.6	2.4	0	0	12.5	31.5	3.4	2.4	0	5.8	5.6	56.1	1.0	62.7	0	0
France	100	32.7	0.7	0.1	0.1	17.8	51.3	1.2	2.1	0	3.3	5.9	37.4	1.6	44.9	0.5	0
Greece	100	52.3	0	0	0	25.3	77.5	2.7	1.7	0	4.4	7.6	10.4	0	18.0	0	0
Iceland	100	23.5	0	0			23.5	1.0	5.0	0	6.0	41.7	28.8	0	70.5	0	0
Montenegro *	100	98.3	0	0	0	0	98.3	0	0	0	0	1.2	0	0.4	1.7	0	0
Norway	100	24.0	0.8	0			24.8			7.6	7.6	25.5	41.8	0.2	67.5	0.1	0
Romania //	100	81.2	0	0	0.2	4.9	86.3	0.3	4.7	0	5.0	2.2	3.6	2.8	8.6	0.1	0.1
Serbia	100	61.5	0.6	0.2	0.4	13.8	76.5	0.7	7.5	0.1	8.3	7.8	7.2	0.1	15.1	0.1	0
Spain, Andalusia	100	40.2	0.2	0			40.4			3.3	3.3	5.2	51.2	0	56.3	0	0
Spain, Aragon	100	23.6	0.1	0		7.0	30.6	0.6	4.1	0	4.8	5.8	58.7	0	64.5	0.2	0
Spain, Asturias	100	36.7	0.3	0	0	0.9	37.9	1.7	3.9	0	5.6	2.9	53.4	0.2	56.5	0	0
Spain, Basque country	100	26.6	0.1	0			26.7	0.9	4.5	0	5.4	6.8	61.1	0	67.9	0	0
Spain, Canary Islands	100	46.4	0	0	0	0	46.4	0	0	6.5	6.5	1.7	45.2	0	46.9	0.3	0
Spain, Cantabria *	100	32.4	0.3	0			32.6	1.2	4.7	0	5.9	3.2	58.2	0	61.5	0	0
Spain, Castile and León *	100	35.7	0.4	0			36.1	2.4	2.3	0	4.7	2.9	54.4	0	57.2	2.0	0
Spain, Castile-La Mancha *	100	37.1	0	0			37.1	1.0	5.0	0	6.0	1.9	52.9	2.1	56.9	0	0
Spain, Catalonia	100	8.7	0.2	0		27.5	36.3	1.8	2.2	0	4.0	12.4	47.3	0	59.7	0	0
Spain, Community of Madrid	100	38.0	0.7	0			38.7	1.8	3.7	0	5.5	4.5	51.3	0	55.8	0	0
Spain, Extremadura	100	49.1	0.4	0			49.4	2.3	1.2	0	3.5	2.1	27.6	17.3	47.0	0.1	0
Spain, Galicia	100	42.0	0.4	0	0	0	42.5	2.5	4.5	0	7.0	7.2	41.4	1.9	50.5	0	0
Spain, La Rioja	100	33.7	0	0	0	0	33.7	1.6	2.9	0	4.4	3.4	58.5	0	61.9	0	0
Spain, Murcia	100	17.8	0	0	0	32.1	49.9	1.0	3.9	0	4.8	3.4	41.8	0	45.3	0	0
Spain, Navarre *	100	32.0	2.0	0			34.0	3.7	0.6	0	4.2	4.2	57.6	0	61.8	0	0
Spain, Valencian region	100	47.4	1.2	0			48.6	1.1	5.1	0	6.2	2.0	35.9	7.0	44.9	0.3	0
Sweden	100	29.6	1.2	0			30.8			8.9	8.9	24.8	35.5	0	60.3	0	0
Switzerland	100	39.2	0.8	0	1.1	0	41.1	1.7	2.1	0	3.8	21.1	33.7	0.3	55.0	0	0
the Netherlands	100	23.8	1.5	0		4.1	29.4	3.4	2.2	0	5.6	34.4	30.6	0.1	65.0	0	0
United Kingdom, England #	100	27.9	2.1		0	7.8	37.9	3.5	2.5	0.1	6.0	17.9	36.8	1.4	56.1	0	0
United Kingdom, Northern Ireland #	100	26.4	1.0		0	0.5	28.1	1.7	0.5		2.3	30.3	36.3	3.0	69.6	0	0
United Kingdom, Scotland	100	34.0	0.8	0			34.7	2.3	1.3	0	3.6	0	0	0	61.6	0	0
United Kingdom, Wales #	100	33.0	3.1	0	0	2.8	38.9	3.0	2.6	0	5.6	17.3	37.9	0.3	55.5	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

§ 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%

Values based on 1 to 5 patients are suppressed

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 §	313	100	30	9.6	13	4.2	0	0	43	13.7	270	86.3	0	0
Belgium, Dutch-speaking *	197	100	9	4.6	7	3.6	0	0	16	8.1	181	91.9	0	0
Belgium, French-speaking *	111	100	4	3.6	9	8.1	0	0	13	11.7	97	87.4	1	0.9
Bosnia and Herzegovina	10	100	6	60.0	2	20.0	0	0	8	80.0	2	20.0	0	0
Denmark	278	100	39	14.0	37	13.3	0	0	76	27.3	202	72.7	0	0
Estonia	49	100	3	6.1	2	4.1	0	0	5	10.2	44	89.8	0	0
Finland	264	100	18	6.8	13	4.9	0	0	31	11.7	230	87.1	3	1.1
France	2597	100	247	9.5	143	5.5	0	0	390	15.0	2205	84.9	2	0.1
Greece	182	100	65	35.7	25	13.7	0	0	90	49.5	92	50.5	0	0
Iceland	10	100	5	50.0	2	20.0	0	0	7	70.0	3	30.0	0	0
Montenegro *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Norway	240	100	41	17.1	16	6.7	0	0	57	23.8	182	75.8	1	0.4
Romania //	188	100					58	30.9	58	30.9	130	69.1	0	0
Serbia □	7	100	2	28.6	0	0	0	0	2	28.6	5	71.4	0	0
Spain, Andalusia	424	100	20	4.7	0	0	9	2.1	29	6.8	395	93.2	0	0
Spain, Aragon	56	100	6	10.7	2	3.6	0	0	8	14.3	48	85.7	0	0
Spain, Asturias	83	100	0	0	1	1.2	0	0	1	1.2	82	98.8	0	0
Spain, Basque country	152	100	24	15.8	1	0.7	0	0	25	16.4	127	83.6	0	0
Spain, Canary Islands	147	100					3	2.0	3	2.0	144	98.0	0	0
Spain, Cantabria *	63	100	0	0	1	1.6	0	0	1	1.6	62	98.4	0	0
Spain, Castile and León *	111	100	0	0	1	0.9	8	7.2	9	8.1	102	91.9	0	0
Spain, Castile-La Mancha *	57	100	0	0	0	0	0	0	0	0	57	100	0	0
Spain, Catalonia	679	100	59	8.7	54	8.0	0	0	113	16.6	566	83.4	0	0
Spain, Community of Madrid	330	100	19	5.8	7	2.1	0	0	26	7.9	304	92.1	0	0
Spain, Extremadura	43	100	1	2.3	0	0	0	0	1	2.3	42	97.7	0	0
Spain, Galicia	141	100	16	11.3	1	0.7	0	0	17	12.1	124	87.9	0	0
Spain, La Rioja	16	100					2	12.5	2	12.5	14	87.5	0	0
Spain, Murcia	70	100	0	0	1	1.4	0	0	1	1.4	69	98.6	0	0
Spain, Navarre *	30	100					1	3.3	1	3.3	29	96.7	0	0
Spain, Valencian region	233	100	2	0.9	3	1.3	8	3.4	13	5.6	220	94.4	0	0
Sweden	419	100	81	19.3	35	8.4	0	0	116	27.7	303	72.3	0	0
Switzerland	293	100	40	13.7	37	12.6	1	0.3	78	26.6	215	73.4	0	0
the Netherlands ‡	787	100					363	46.1	363	46.1	424	53.9	0	0
United Kingdom, England #	2005	100	225	11.2	128	6.4	71	3.5	424	21.1	1562	77.9	19	0.9
United Kingdom, Northern Ireland #	155	100	23	14.8	8	5.2	0	0	31	20.0	124	80.0	0	0
United Kingdom, Scotland	235	100	0	0	0	0	0	0	71	30.2	164	69.8	0	0
United Kingdom, Wales #	63	100	8	12.7	10	15.9	0	0	18	28.6	45	71.4	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 §	34.5	3.4	1.5	0	4.8	29.7	0
Belgium, Dutch-speaking *	29.6	1.4	1.1	0	2.4	27.2	0
Belgium, French-speaking *	22.7	0.8	1.8	0	2.7	19.8	0.2
Bosnia and Herzegovina	2.8	1.7	0.6	0	2.3	0.6	0
Denmark	47.2	6.6	6.3	0	12.9	34.3	0
Estonia	36.9	2.3	1.5	0	3.8	33.1	0
Finland	47.7	3.3	2.4	0	5.6	41.6	0.5
France	38.5	3.7	2.1	0	5.8	32.7	0
Greece	17.0	6.1	2.3	0	8.4	8.6	0
Iceland	27.3	13.6	5.5	0	19.1	8.2	0
Montenegro *	0	0	0	0	0	0	0
Norway	44.6	7.6	3.0	0	10.6	33.8	0.2
Romania //	10.3			3.2	3.2	7.1	0
Serbia ☐	1.1	0.3	0	0	0.3	0.8	0
Spain, Andalusia	49.9	2.4	0	1.1	3.4	46.5	0
Spain, Aragon	42.1	4.5	1.5	0	6.0	36.1	0
Spain, Asturias	81.7	0	1.0	0	1.0	80.7	0
Spain, Basque country	69.5	11.0	0.5	0	11.4	58.1	0
Spain, Canary Islands	65.6			1.3	1.3	64.3	0
Spain, Cantabria *	108.1	0	1.7	0	1.7	106.3	0
Spain, Castile and León *	46.3	0	0.4	3.3	3.8	42.6	0
Spain, Castile-La Mancha *	27.8	0	0	0	0	27.8	0
Spain, Catalonia	87.3	7.6	6.9	0	14.5	72.7	0
Spain, Community of Madrid	48.7	2.8	1.0	0	3.8	44.8	0
Spain, Extremadura	40.4	0.9	0	0	0.9	39.5	0
Spain, Galicia	52.2	5.9	0.4	0	6.3	45.9	0
Spain, La Rioja	50.6			6.3	6.3	44.3	0
Spain, Murcia	46.3	0	0.7	0	0.7	45.7	0
Spain, Navarre *	45.7			1.5	1.5	44.1	0
Spain, Valencian region	46.1	0.4	0.6	1.6	2.6	43.5	0
Sweden	40.5	7.8	3.4	0	11.2	29.3	0
Switzerland	33.9	4.6	4.3	0.1	9.0	24.9	0
the Netherlands	46.0			21.2	21.2	24.8	0
United Kingdom, England #	35.5	4.0	2.3	1.3	7.5	27.6	0.3
United Kingdom, Northern Ireland #	81.8	12.1	4.2	0	16.4	65.4	0
United Kingdom, Scotland	43.0	0	0	0	13.0	30.0	0
United Kingdom, Wales #	19.9	2.5	3.2	0	5.7	14.2	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						Men						Women					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Austria	100	52.8	15.2	56.2	43.9	64.4	65.2	53.1	15.0	56.2	45.2	64.2	34.8	52.3	15.6	56.2	42.7	64.9
Belgium, Dutch-speaking *	100	55.4	11.6	56.8	48.3	64.0	60.9	56.0	11.4	56.6	49.4	64.5	39.1	54.5	12.0	57.1	47.6	62.4
Belgium, French-speaking *	100	53.8	13.8	55.4	45.1	65.8	62.2	56.8	12.8	59.9	49.6	66.9	37.8	49.0	14.1	51.1	36.3	60.7
Bosnia and Herzegovina	100	44.4	10.6	43.3	36.7	52.8	60.0	47.7	7.9	49.9	39.0	52.8	40.0	39.5	13.4	35.1	31.2	47.8
Denmark	100	51.6	15.7	53.9	42.2	62.9	63.7	50.7	16.5	52.7	42.2	62.6	36.3	53.4	14.1	55.4	42.4	64.0
Estonia	100	49.6	16.6	50.7	39.2	62.9	51.0	52.2	15.2	56.5	41.9	64.4	49.0	46.9	17.8	46.1	34.0	61.1
Finland	100	50.8	16.8	54.7	38.3	63.3	58.7	51.7	16.6	55.6	39.4	64.1	41.3	49.6	16.9	54.1	36.0	63.0
France	100	52.4	16.6	54.5	41.2	65.2	62.5	53.0	16.5	54.9	41.4	65.7	37.5	51.5	16.6	53.8	40.7	64.5
Greece	100	45.8	15.4	48.6	36.5	57.9	65.4	44.7	15.4	44.4	34.8	57.2	34.6	47.8	15.3	53.1	38.1	59.4
Iceland	100	51.4	20.4	57.4	46.2	60.8	50.0	52.5	28.6	60.8	58.8	68.1	50.0	50.3	10.5	55.4	46.2	55.9
Montenegro *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Norway	100	52.1	16.2	54.5	42.8	64.1	60.0	52.9	17.1	56.9	45.4	64.6	40.0	50.8	14.8	49.8	39.6	62.5
Romania	100	41.9	13.5	44.4	35.8	51.4	65.4	42.2	13.4	44.9	35.6	51.5	34.6	41.3	13.9	43.8	35.9	51.1
Serbia	100	36.9	15.7	39.2	26.9	52.7	57.1	31.9	19.3	33.6	17.3	46.5	42.9	43.7	8.1	39.2	38.9	53.0
Spain, Andalusia	100	52.9	16.2	56.9	44.8	64.7	65.1	53.0	15.9	56.6	45.3	64.5	34.9	52.8	16.8	57.4	43.7	64.8
Spain, Aragon	100	55.2	15.9	58.8	46.8	66.6	66.1	57.6	15.3	59.3	50.3	69.5	33.9	50.5	16.4	54.4	37.4	61.3
Spain, Asturias	100	58.7	14.3	63.5	50.1	69.8	78.3	58.4	15.2	63.6	50.1	68.2	21.7	59.7	11.0	57.1	51.0	70.6
Spain, Basque country	100	53.1	17.8	56.2	43.6	66.8	64.5	55.3	17.5	59.2	49.3	67.7	35.5	49.0	17.8	49.4	42.0	63.4
Spain, Canary Islands	100	56.1	12.7	56.9	48.6	67.0	61.2	54.4	12.0	55.6	46.7	62.7	38.8	58.8	13.4	61.2	51.0	67.6
Spain, Cantabria *	100	56.7	12.2	59.3	49.6	65.5	66.7	57.3	11.6	59.8	49.6	66.5	33.3	55.5	13.4	58.8	54.5	64.3
Spain, Castile and León *	100	59.3	12.1	60.9	53.3	68.2	61.3	59.5	12.5	62.4	52.9	68.4	38.7	59.0	11.6	58.7	53.7	67.5
Spain, Castile-La Mancha *	100	56.9	13.6	58.7	48.9	67.4	61.4	57.9	13.5	60.5	49.8	68.1	38.6	55.4	13.8	55.1	46.6	65.6
Spain, Catalonia	100	57.2	16.1	59.6	48.9	69.8	67.7	57.9	16.1	60.9	49.8	70.0	32.3	55.6	16.1	57.7	46.0	68.3
Spain, Community of Madrid	100	54.6	16.3	56.1	43.6	68.1	61.2	55.1	16.6	59.0	43.5	68.4	38.8	53.9	15.9	53.1	44.6	66.2
Spain, Extremadura	100	59.0	12.4	60.6	53.5	67.3	65.1	58.1	13.4	61.7	53.2	67.0	34.9	60.6	10.6	59.6	55.4	68.4
Spain, Galicia	100	56.8	13.1	58.4	46.5	68.0	66.0	58.4	14.0	61.9	50.2	70.3	34.0	53.8	10.4	53.8	45.3	62.8
Spain, La Rioja	100	59.5	14.1	59.0	48.5	70.2	81.3	57.9	13.8	55.1	48.1	68.4	18.8	66.5	16.1	69.7	49.0	80.7
Spain, Murcia	100	53.4	11.6	53.1	45.5	59.9	70.0	54.1	11.3	54.3	45.2	61.2	30.0	51.6	12.5	52.2	49.8	55.8
Spain, Navarre *	100	51.7	14.7	55.1	38.2	62.8	56.7	55.1	12.8	55.5	48.6	61.7	43.3	47.2	16.2	40.4	34.1	62.8
Spain, Valencian region	100	54.9	15.0	57.0	46.4	66.0	62.7	55.1	15.3	58.3	45.7	67.2	37.3	54.4	14.6	55.3	47.4	63.5
Sweden	100	51.1	16.5	54.2	41.2	62.8	64.4	50.9	16.1	53.8	39.9	62.4	35.6	51.3	17.4	55.2	42.9	62.9
Switzerland	100	51.0	15.1	53.2	41.1	61.9	62.5	49.4	15.3	51.9	39.7	60.7	37.5	53.8	14.2	56.9	45.2	64.5
the Netherlands	100	53.5	15.5	55.9	44.4	65.5	61.1	54.5	14.9	56.6	45.8	66.4	38.9	51.9	16.3	54.6	41.2	64.6
United Kingdom, England	100	49.9	16.3	52.6	38.7	62.6	61.6	50.5	16.2	52.9	38.8	63.2	38.4	48.9	16.3	51.8	38.2	61.3
United Kingdom, Northern Ireland	100	51.8	16.7	55.1	44.7	64.2	61.3	49.8	17.5	52.6	42.0	64.0	38.7	55.0	14.8	57.3	48.0	65.4
United Kingdom, Scotland	100	48.0	15.0	49.0	37.0	59.0	56.6	47.0	16.0	49.0	35.0	60.0	43.4	48.0	14.0	50.0	39.0	59.0
United Kingdom, Wales	100	46.8	14.5	49.3	34.8	56.1	60.3	44.0	14.5	45.7	34.0	53.5	39.7	51.2	13.7	54.5	42.0	59.9

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 2011 - 2015				cohort 2014 - 2018		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.1 (98.6-99.4)	98.3 (97.6-98.7)	97.1 (96.3-97.7)	95.1 (94.2-95.9)	99.5 (99.1-99.7)	98.1 (97.5-98.6)	97.3 (96.5-97.8)
20-44	99.1 (99.0-99.3)	97.2 (97.0-97.4)	95.0 (94.7-95.3)	89.5 (89.0-89.9)	99.2 (99.1-99.3)	97.1 (96.8-97.3)	94.8 (94.5-95.1)
45-64	97.3 (97.2-97.4)	91.3 (91.1-91.6)	85.2 (84.9-85.5)	69.1 (68.7-69.5)	97.5 (97.4-97.7)	92.0 (91.8-92.2)	85.8 (85.5-86.1)
65-74	94.7 (94.4-94.9)	84.0 (83.7-84.4)	73.2 (72.7-73.6)	46.3 (45.8-46.8)	95.2 (95.0-95.4)	84.9 (84.6-85.2)	74.1 (73.7-74.5)
75+	90.7 (90.4-90.9)	74.5 (74.1-74.9)	58.6 (58.2-59.0)	25.2 (24.8-25.6)	91.5 (91.2-91.7)	75.8 (75.4-76.1)	60.1 (59.7-60.5)
Men	94.8 (94.6-94.9)	84.8 (84.5-85.0)	74.5 (74.3-74.8)	50.8 (50.5-51.1)	95.2 (95.0-95.3)	85.3 (85.1-85.5)	75.1 (74.8-75.3)
Women	94.7 (94.5-94.9)	84.9 (84.6-85.2)	75.4 (75.1-75.8)	53.5 (53.1-53.9)	95.2 (95.0-95.3)	85.9 (85.7-86.2)	76.5 (76.2-76.8)
Diabetes	95.6 (95.4-95.8)	85.9 (85.6-86.3)	74.2 (73.8-74.7)	45.3 (44.8-45.8)	96.1 (95.9-96.3)	86.6 (86.3-86.9)	74.9 (74.5-75.3)
Hypertension / renal vascular disease	94.4 (94.2-94.7)	83.3 (82.8-83.7)	71.2 (70.7-71.7)	43.4 (42.8-43.9)	95.0 (94.7-95.2)	84.4 (84.0-84.7)	72.7 (72.2-73.1)
Glomerulonephritis	97.5 (97.2-97.7)	92.4 (92.0-92.7)	87.2 (86.7-87.6)	73.0 (72.4-73.6)	97.8 (97.6-98.0)	93.2 (92.8-93.5)	88.1 (87.6-88.5)
Other causes	94.0 (93.8-94.2)	83.4 (83.1-83.7)	74.0 (73.7-74.3)	53.6 (53.2-53.9)	94.4 (94.3-94.6)	84.1 (83.8-84.3)	74.5 (74.2-74.8)
All	94.7 (94.6-94.8)	84.8 (84.6-85.0)	74.8 (74.6-75.1)	51.8 (51.6-52.0)	95.2 (95.1-95.3)	85.5 (85.4-85.7)	75.6 (75.4-75.8)

* 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 (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 2011 - 2015				cohort 2014 - 2018		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.2 (98.9-99.6)	98.3 (97.8-98.9)	97.2 (96.5-97.9)	95.1 (94.2-96.0)	99.5 (99.2-99.8)	98.1 (97.5-98.6)	97.3 (96.6-97.9)
20-44	99.2 (99.1-99.3)	97.2 (96.9-97.4)	94.9 (94.6-95.3)	89.0 (88.5-89.5)	99.2 (99.1-99.4)	97.0 (96.8-97.3)	94.7 (94.4-95.1)
45-64	97.4 (97.3-97.6)	91.6 (91.3-91.8)	85.5 (85.2-85.9)	69.4 (69.0-69.8)	97.7 (97.6-97.8)	92.3 (92.1-92.6)	86.2 (85.9-86.5)
65-74	95.0 (94.8-95.2)	84.8 (84.5-85.2)	74.2 (73.8-74.6)	47.5 (47.0-47.9)	95.5 (95.4-95.7)	85.7 (85.3-86.0)	75.1 (74.7-75.5)
75+	91.0 (90.8-91.3)	75.2 (74.8-75.6)	59.5 (59.1-59.9)	25.9 (25.5-26.3)	91.9 (91.7-92.1)	76.6 (76.2-76.9)	61.1 (60.7-61.5)
Men	95.9 (95.8-96.0)	87.4 (87.2-87.6)	78.0 (77.8-78.3)	52.6 (52.2-52.9)	96.2 (96.1-96.3)	87.9 (87.7-88.0)	78.5 (78.2-78.7)
Women	95.9 (95.8-96.0)	87.8 (87.6-88.0)	79.2 (78.9-79.6)	56.1 (55.7-56.5)	96.2 (96.1-96.4)	88.5 (88.2-88.7)	79.9 (79.6-80.2)
Diabetes	96.2 (96.0-96.4)	87.5 (87.2-87.9)	76.6 (76.2-77.0)	46.4 (45.9-46.9)	96.7 (96.5-96.8)	88.2 (87.9-88.5)	77.4 (77.0-77.8)
Hypertension / renal vascular disease	96.6 (96.4-96.7)	89.3 (89.0-89.6)	80.7 (80.3-81.1)	55.9 (55.4-56.5)	96.8 (96.7-97.0)	89.7 (89.4-90.0)	81.2 (80.8-81.6)
Glomerulonephritis	97.0 (96.8-97.3)	90.9 (90.5-91.4)	84.5 (83.9-85.0)	65.5 (64.7-66.2)	97.5 (97.3-97.7)	92.0 (91.6-92.4)	85.8 (85.3-86.3)
Other causes	95.0 (94.8-95.1)	85.5 (85.2-85.7)	76.4 (76.1-76.7)	53.6 (53.3-54.0)	95.3 (95.1-95.4)	86.0 (85.8-86.2)	76.8 (76.5-77.1)
All	95.9 (95.8-96.0)	87.6 (87.4-87.7)	78.5 (78.3-78.7)	53.9 (53.6-54.2)	96.2 (96.1-96.3)	88.1 (88.0-88.3)	79.0 (78.8-79.2)

** 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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	98.8 (98.3-99.2)	97.8 (97.1-98.3)	95.8 (94.9-96.6)	98.4 (97.8-98.8)	97.6 (96.9-98.2)
20-44	97.4 (97.2-97.6)	95.3 (95.0-95.6)	89.8 (89.3-90.2)	97.3 (97.0-97.5)	95.0 (94.7-95.3)
45-64	92.3 (92.1-92.6)	86.1 (85.8-86.4)	69.8 (69.4-70.2)	92.9 (92.6-93.1)	86.6 (86.3-86.9)
65-74	85.9 (85.5-86.2)	74.7 (74.3-75.1)	47.1 (46.6-47.6)	86.5 (86.2-86.8)	75.2 (74.8-75.6)
75+	77.8 (77.4-78.1)	60.9 (60.4-61.3)	25.9 (25.5-26.3)	78.8 (78.5-79.2)	61.9 (61.5-62.4)
Men	86.7 (86.5-87.0)	76.2 (76.0-76.5)	52.1 (51.8-52.5)	87.1 (86.9-87.3)	76.4 (76.2-76.7)
Women	87.2 (86.9-87.5)	77.5 (77.2-77.9)	55.1 (54.7-55.5)	88.0 (87.7-88.2)	78.3 (78.0-78.6)
Diabetes	86.7 (86.4-87.1)	74.9 (74.4-75.3)	45.4 (44.9-45.9)	87.2 (86.9-87.5)	75.1 (74.6-75.5)
Hypertension / renal vascular disease	85.0 (84.6-85.4)	72.8 (72.3-73.3)	44.3 (43.7-44.9)	85.9 (85.5-86.3)	73.8 (73.3-74.3)
Glomerulonephritis	93.6 (93.2-93.9)	88.0 (87.5-88.4)	73.8 (73.1-74.4)	94.0 (93.6-94.3)	88.7 (88.3-89.1)
Other causes	86.2 (86.0-86.5)	76.5 (76.2-76.9)	55.8 (55.4-56.1)	86.6 (86.4-86.9)	76.7 (76.4-77.0)
All	86.9 (86.7-87.1)	76.7 (76.5-76.9)	53.2 (53.0-53.5)	87.4 (87.3-87.6)	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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	98.8 (98.3-99.2)	97.8 (97.1-98.4)	95.6 (94.7-96.5)	98.4 (97.9-98.9)	97.6 (96.9-98.2)
20-44	97.3 (97.1-97.6)	95.1 (94.8-95.4)	89.2 (88.7-89.7)	97.2 (96.9-97.4)	94.9 (94.6-95.2)
45-64	92.5 (92.3-92.8)	86.4 (86.1-86.7)	70.0 (69.6-70.5)	93.1 (92.8-93.3)	86.9 (86.6-87.2)
65-74	86.5 (86.2-86.8)	75.7 (75.3-76.1)	48.3 (47.8-48.8)	87.1 (86.8-87.4)	76.1 (75.7-76.5)
75+	78.4 (78.0-78.7)	61.7 (61.3-62.1)	26.6 (26.2-27.0)	79.4 (79.1-79.8)	62.8 (62.4-63.2)
Men	88.8 (88.6-89.0)	79.2 (78.9-79.4)	53.1 (52.8-53.5)	89.1 (88.9-89.3)	79.3 (79.0-79.5)
Women	89.4 (89.2-89.7)	80.7 (80.3-81.0)	56.9 (56.5-57.4)	89.9 (89.7-90.1)	81.1 (80.7-81.4)
Diabetes	88.1 (87.8-88.5)	77.0 (76.5-77.4)	46.1 (45.5-46.6)	88.7 (88.4-89.0)	77.3 (76.9-77.7)
Hypertension / renal vascular disease	90.4 (90.1-90.6)	81.6 (81.3-82.0)	56.3 (55.8-56.9)	90.7 (90.4-90.9)	81.8 (81.5-82.2)
Glomerulonephritis	92.2 (91.8-92.6)	85.2 (84.6-85.7)	65.9 (65.1-66.7)	92.8 (92.5-93.2)	86.4 (85.8-86.9)
Other causes	87.7 (87.5-88.0)	78.3 (78.0-78.6)	55.0 (54.6-55.4)	88.1 (87.8-88.3)	78.5 (78.2-78.8)
All	89.1 (88.9-89.2)	79.7 (79.5-79.9)	54.6 (54.3-54.8)	89.4 (89.3-89.6)	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 (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 2011 - 2015				cohort 2014 - 2018		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.1 (98.5-99.4)	98.0 (97.2-98.6)	95.2 (93.7-96.4)	88.4 (84.7-91.2)	99.4 (98.9-99.7)	97.3 (96.4-98.0)	95.6 (94.2-96.6)
20-44	99.0 (98.9-99.2)	96.7 (96.3-96.9)	93.3 (92.9-93.8)	80.5 (79.6-81.4)	99.1 (98.9-99.2)	96.4 (96.1-96.7)	92.8 (92.3-93.2)
45-64	97.1 (97.0-97.3)	90.5 (90.2-90.7)	83.0 (82.6-83.4)	59.1 (58.6-59.7)	97.4 (97.2-97.5)	91.2 (90.9-91.4)	83.6 (83.2-83.9)
65-74	94.5 (94.3-94.7)	83.5 (83.1-83.8)	71.9 (71.4-72.3)	41.2 (40.7-41.7)	95.0 (94.8-95.2)	84.3 (84.0-84.7)	72.8 (72.3-73.2)
75+	90.6 (90.4-90.9)	74.4 (74.0-74.8)	58.4 (58.0-58.8)	24.6 (24.3-25.0)	91.4 (91.2-91.7)	75.6 (75.3-76.0)	59.8 (59.4-60.2)
Men	94.5 (94.3-94.6)	83.7 (83.5-83.9)	71.9 (71.6-72.2)	40.6 (40.3-41.0)	94.9 (94.8-95.1)	84.3 (84.0-84.5)	72.4 (72.1-72.6)
Women	94.4 (94.2-94.6)	83.8 (83.5-84.1)	72.8 (72.4-73.1)	43.9 (43.4-44.4)	94.9 (94.7-95.0)	84.8 (84.5-85.1)	73.8 (73.4-74.2)
Diabetes	95.5 (95.3-95.7)	85.5 (85.2-85.9)	73.0 (72.5-73.4)	39.4 (38.9-40.0)	96.1 (95.9-96.2)	86.2 (85.9-86.5)	73.6 (73.2-74.1)
Hypertension / renal vascular disease	94.3 (94.0-94.6)	82.8 (82.4-83.2)	69.9 (69.4-70.5)	37.7 (37.1-38.2)	94.9 (94.6-95.1)	83.9 (83.5-84.3)	71.4 (70.9-71.9)
Glomerulonephritis	97.2 (97.0-97.5)	91.4 (91.0-91.8)	84.6 (84.0-85.1)	60.0 (59.1-60.9)	97.6 (97.4-97.8)	92.2 (91.8-92.6)	85.4 (84.9-86.0)
Other causes	93.6 (93.4-93.8)	81.9 (81.6-82.2)	70.7 (70.3-71.0)	42.3 (41.8-42.7)	94.0 (93.8-94.2)	82.5 (82.2-82.8)	71.0 (70.6-71.3)
All	94.5 (94.3-94.6)	83.7 (83.5-83.9)	72.2 (72.0-72.5)	41.8 (41.5-42.1)	94.9 (94.8-95.0)	84.5 (84.3-84.6)	72.9 (72.7-73.1)

** 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 (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 2011 - 2015				cohort 2014 - 2018		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.2 (98.8-99.6)	98.1 (97.4-98.8)	95.4 (94.0-96.7)	88.2 (84.9-91.6)	99.4 (99.1-99.8)	97.4 (96.5-98.2)	95.6 (94.4-96.8)
20-44	99.1 (99.0-99.3)	96.7 (96.4-97.0)	93.4 (92.9-93.8)	80.3 (79.3-81.2)	99.2 (99.0-99.3)	96.5 (96.1-96.8)	92.9 (92.4-93.3)
45-64	97.3 (97.1-97.4)	90.8 (90.5-91.0)	83.5 (83.1-83.8)	59.8 (59.3-60.4)	97.6 (97.4-97.7)	91.6 (91.3-91.8)	84.1 (83.7-84.4)
65-74	94.8 (94.6-95.0)	84.1 (83.8-84.5)	72.8 (72.3-73.2)	42.3 (41.8-42.9)	95.4 (95.2-95.6)	85.0 (84.7-85.4)	73.7 (73.3-74.1)
75+	90.9 (90.7-91.2)	74.9 (74.6-75.3)	59.0 (58.6-59.5)	25.1 (24.7-25.5)	91.8 (91.6-92.0)	76.3 (76.0-76.7)	60.6 (60.2-61.0)
Men	95.3 (95.2-95.5)	85.8 (85.6-86.0)	75.1 (74.9-75.4)	45.3 (45.0-45.7)	95.8 (95.7-95.9)	86.6 (86.4-86.8)	76.0 (75.8-76.3)
Women	95.3 (95.2-95.5)	86.1 (85.9-86.4)	76.3 (76.0-76.7)	49.3 (48.8-49.8)	95.8 (95.7-96.0)	87.2 (86.9-87.5)	77.5 (77.2-77.9)
Diabetes	95.9 (95.7-96.1)	86.6 (86.3-86.9)	74.7 (74.3-75.1)	41.7 (41.2-42.2)	96.5 (96.3-96.6)	87.5 (87.2-87.8)	75.8 (75.4-76.2)
Hypertension / renal vascular disease	96.0 (95.8-96.2)	87.6 (87.2-87.9)	77.6 (77.2-78.1)	49.2 (48.6-49.8)	96.4 (96.3-96.6)	88.4 (88.1-88.8)	78.9 (78.4-79.3)
Glomerulonephritis	96.8 (96.5-97.1)	90.1 (89.7-90.6)	82.7 (82.0-83.3)	57.3 (56.3-58.3)	97.3 (97.1-97.6)	91.3 (90.8-91.7)	84.0 (83.4-84.6)
Other causes	94.3 (94.1-94.5)	83.6 (83.3-83.9)	73.3 (72.9-73.6)	46.0 (45.6-46.5)	94.8 (94.6-94.9)	84.5 (84.2-84.8)	74.0 (73.7-74.4)
All	95.3 (95.2-95.4)	85.9 (85.8-86.1)	75.6 (75.4-75.8)	46.8 (46.5-47.1)	95.8 (95.7-95.9)	86.8 (86.7-87.0)	76.6 (76.4-76.8)

* 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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	98.1 (97.2-98.8)	95.9 (94.4-97.1)	89.2 (85.5-92.0)	97.5 (96.5-98.2)	96.1 (94.7-97.1)
20-44	96.7 (96.4-97.0)	93.2 (92.8-93.7)	79.8 (78.8-80.8)	96.4 (96.1-96.7)	92.5 (92.0-93.0)
45-64	91.4 (91.1-91.6)	83.6 (83.2-84.0)	58.7 (58.2-59.3)	91.9 (91.6-92.1)	84.0 (83.6-84.4)
65-74	85.3 (84.9-85.6)	73.2 (72.8-73.7)	41.5 (41.0-42.0)	85.9 (85.5-86.2)	73.6 (73.2-74.0)
75+	77.7 (77.3-78.0)	60.6 (60.2-61.1)	25.3 (24.9-25.7)	78.7 (78.3-79.0)	61.6 (61.2-62.0)
Men	85.6 (85.3-85.8)	73.2 (72.9-73.5)	40.9 (40.5-41.2)	85.9 (85.7-86.1)	73.2 (72.9-73.5)
Women	85.9 (85.6-86.2)	74.5 (74.1-74.8)	44.5 (44.0-45.0)	86.7 (86.5-87.0)	75.2 (74.8-75.6)
Diabetes	86.2 (85.8-86.6)	73.3 (72.9-73.8)	38.8 (38.3-39.4)	86.7 (86.4-87.0)	73.5 (73.0-73.9)
Hypertension / renal vascular disease	84.4 (84.0-84.9)	71.3 (70.7-71.8)	38.0 (37.3-38.6)	85.3 (84.9-85.7)	72.3 (71.8-72.8)
Glomerulonephritis	92.4 (92.0-92.8)	84.8 (84.2-85.4)	59.6 (58.6-60.6)	92.9 (92.5-93.2)	85.5 (85.0-86.1)
Other causes	84.6 (84.3-84.9)	72.8 (72.4-73.1)	43.2 (42.8-43.7)	85.0 (84.7-85.2)	72.7 (72.3-73.0)
All	85.7 (85.5-85.9)	73.6 (73.4-73.9)	42.2 (41.9-42.5)	86.2 (86.0-86.4)	73.9 (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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	98.1 (97.3-98.9)	95.9 (94.6-97.3)	88.7 (85.4-92.2)	97.5 (96.6-98.3)	95.9 (94.7-97.2)
20-44	96.7 (96.3-97.0)	93.2 (92.7-93.7)	79.5 (78.5-80.5)	96.4 (96.1-96.7)	92.5 (92.0-93.1)
45-64	91.6 (91.4-91.9)	84.0 (83.6-84.4)	59.5 (59.0-60.1)	92.1 (91.9-92.4)	84.4 (84.1-84.8)
65-74	85.8 (85.4-86.1)	74.1 (73.6-74.5)	42.7 (42.1-43.2)	86.4 (86.1-86.7)	74.4 (74.0-74.9)
75+	78.1 (77.7-78.4)	61.2 (60.7-61.6)	25.7 (25.3-26.1)	79.1 (78.8-79.5)	62.3 (61.8-62.7)
Men	87.2 (87.0-87.5)	76.1 (75.8-76.4)	45.3 (44.9-45.7)	87.8 (87.6-88.0)	76.6 (76.3-76.8)
Women	87.8 (87.6-88.1)	77.6 (77.3-78.0)	49.5 (49.0-50.0)	88.6 (88.4-88.9)	78.5 (78.1-78.8)
Diabetes	87.1 (86.8-87.5)	74.9 (74.4-75.3)	40.9 (40.3-41.4)	87.8 (87.5-88.1)	75.5 (75.1-75.9)
Hypertension / renal vascular disease	88.6 (88.3-89.0)	78.4 (78.0-78.9)	49.0 (48.4-49.6)	89.3 (89.0-89.6)	79.3 (78.8-79.7)
Glomerulonephritis	91.4 (90.9-91.8)	83.1 (82.4-83.7)	57.0 (56.0-58.0)	92.0 (91.6-92.5)	84.3 (83.6-84.9)
Other causes	86.0 (85.7-86.2)	75.0 (74.7-75.4)	46.7 (46.2-47.1)	86.6 (86.3-86.8)	75.4 (75.1-75.8)
All	87.5 (87.3-87.7)	76.7 (76.5-76.9)	46.9 (46.6-47.2)	88.1 (88.0-88.3)	77.3 (77.1-77.5)

* 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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	98.7 (97.8-99.2)	98.0 (96.9-98.7)	96.8 (95.6-97.7)	99.1 (98.4-99.5)	98.7 (97.8-99.2)
20-44	98.7 (98.5-98.9)	98.1 (97.8-98.4)	96.2 (95.8-96.6)	98.8 (98.5-99.0)	98.1 (97.8-98.4)
45-64	96.7 (96.4-96.9)	94.8 (94.5-95.1)	87.9 (87.4-88.3)	97.0 (96.8-97.3)	95.3 (95.0-95.6)
65+	92.5 (91.9-93.0)	88.1 (87.5-88.8)	71.6 (70.7-72.5)	92.7 (92.2-93.2)	88.0 (87.4-88.6)
Men	96.1 (95.8-96.3)	93.7 (93.4-94.0)	85.2 (84.8-85.7)	96.3 (96.1-96.5)	93.8 (93.5-94.1)
Women	96.4 (96.1-96.7)	94.7 (94.3-95.0)	87.8 (87.2-88.3)	96.4 (96.1-96.7)	94.7 (94.3-95.1)
Diabetes	94.2 (93.6-94.8)	90.8 (90.1-91.5)	78.2 (77.2-79.2)	94.4 (93.8-94.9)	90.8 (90.1-91.4)
Hypertension / renal vascular disease	94.9 (94.2-95.5)	91.7 (90.9-92.5)	81.9 (80.7-83.0)	95.6 (95.0-96.2)	92.1 (91.3-92.8)
Glomerulonephritis	97.5 (97.1-97.8)	96.1 (95.6-96.5)	90.4 (89.7-91.0)	97.5 (97.1-97.8)	96.0 (95.5-96.4)
Other causes	96.7 (96.4-96.9)	95.0 (94.7-95.3)	88.2 (87.7-88.6)	96.8 (96.5-97.0)	95.1 (94.8-95.4)
All	96.2 (96.0-96.4)	94.1 (93.8-94.3)	86.2 (85.8-86.5)	96.3 (96.2-96.5)	94.1 (93.9-94.3)

** 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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	98.8 (98.1-99.5)	98.0 (97.2-98.9)	96.8 (95.7-97.9)	99.0 (98.4-99.6)	98.5 (97.8-99.3)
20-44	98.8 (98.6-99.0)	98.2 (97.9-98.5)	96.3 (95.9-96.7)	98.8 (98.6-99.0)	98.2 (97.9-98.5)
45-64	96.9 (96.7-97.1)	95.1 (94.9-95.4)	88.6 (88.2-89.1)	97.3 (97.0-97.5)	95.7 (95.4-95.9)
65+	93.2 (92.7-93.7)	89.2 (88.6-89.8)	73.6 (72.7-74.6)	93.4 (93.0-93.9)	89.1 (88.5-89.6)
Men	98.0 (97.8-98.1)	96.7 (96.5-96.9)	91.8 (91.5-92.1)	98.1 (98.0-98.2)	96.7 (96.6-96.9)
Women	98.0 (97.8-98.2)	97.0 (96.7-97.2)	92.7 (92.3-93.1)	98.0 (97.8-98.2)	97.0 (96.7-97.2)
Diabetes	96.9 (96.5-97.2)	94.9 (94.5-95.3)	87.1 (86.4-87.8)	97.0 (96.7-97.3)	95.0 (94.6-95.4)
Hypertension / renal vascular disease	97.8 (97.5-98.1)	96.4 (96.0-96.8)	91.6 (91.0-92.2)	98.1 (97.9-98.4)	96.6 (96.2-96.9)
Glomerulonephritis	98.4 (98.2-98.7)	97.5 (97.2-97.8)	93.7 (93.2-94.1)	98.4 (98.2-98.6)	97.4 (97.1-97.7)
Other causes	98.0 (97.8-98.1)	96.9 (96.7-97.1)	92.5 (92.1-92.8)	98.1 (97.9-98.2)	97.0 (96.8-97.2)
All	98.0 (97.9-98.1)	96.8 (96.7-97.0)	92.1 (91.9-92.4)	98.1 (97.9-98.2)	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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	99.4 (98.7-99.8)	99.4 (98.7-99.8)	98.8 (97.8-99.3)	99.3 (98.5-99.6)	98.8 (97.9-99.4)
20-44	99.7 (99.5-99.8)	99.3 (99.0-99.5)	97.9 (97.5-98.3)	99.6 (99.4-99.7)	99.3 (99.0-99.5)
45-64	98.9 (98.5-99.1)	97.8 (97.4-98.2)	93.6 (92.9-94.2)	98.8 (98.5-99.0)	97.9 (97.4-98.2)
65+	96.6 (95.5-97.5)	93.7 (92.3-94.9)	82.6 (80.4-84.5)	97.0 (96.0-97.7)	94.6 (93.4-95.6)
Men	98.9 (98.6-99.1)	98.0 (97.7-98.3)	94.3 (93.8-94.8)	98.7 (98.4-98.9)	97.9 (97.5-98.2)
Women	99.1 (98.8-99.4)	98.2 (97.7-98.5)	94.7 (94.0-95.3)	99.2 (98.9-99.4)	98.3 (97.9-98.6)
Diabetes	97.4 (96.2-98.3)	95.6 (94.1-96.8)	85.1 (82.7-87.3)	97.3 (96.1-98.1)	94.9 (93.3-96.1)
Hypertension / renal vascular disease	98.5 (97.5-99.1)	96.5 (95.2-97.5)	90.5 (88.5-92.1)	98.0 (97.0-98.7)	96.2 (94.9-97.3)
Glomerulonephritis	99.2 (98.8-99.5)	98.5 (98.0-98.9)	96.1 (95.3-96.7)	99.0 (98.6-99.3)	98.6 (98.1-99.0)
Other causes	99.2 (98.9-99.4)	98.5 (98.1-98.7)	95.6 (95.1-96.1)	99.1 (98.9-99.3)	98.5 (98.1-98.7)
All	99.0 (98.8-99.1)	98.1 (97.8-98.3)	94.4 (94.0-94.8)	98.9 (98.7-99.0)	98.0 (97.8-98.3)

** 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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	99.3 (98.7-99.9)	99.3 (98.7-99.9)	98.5 (97.6-99.4)	99.2 (98.6-99.8)	98.7 (98.0-99.5)
20-44	99.7 (99.5-99.8)	99.3 (99.0-99.6)	97.7 (97.3-98.2)	99.5 (99.3-99.8)	99.3 (99.0-99.5)
45-64	98.9 (98.6-99.2)	97.9 (97.5-98.3)	93.8 (93.1-94.5)	98.8 (98.5-99.1)	97.9 (97.5-98.3)
65+	96.8 (95.8-97.7)	94.0 (92.7-95.3)	83.6 (81.6-85.7)	97.2 (96.4-98.0)	94.9 (93.9-96.0)
Men	99.1 (98.9-99.3)	98.3 (98.1-98.6)	95.2 (94.7-95.7)	98.9 (98.7-99.2)	98.3 (98.0-98.6)
Women	99.2 (98.9-99.4)	98.2 (97.8-98.6)	94.7 (94.0-95.4)	99.3 (99.1-99.5)	98.4 (98.1-98.8)
Diabetes	98.3 (97.7-99.0)	97.1 (96.3-98.0)	89.9 (88.2-91.6)	98.3 (97.7-99.0)	96.8 (95.9-97.7)
Hypertension / renal vascular disease	99.1 (98.6-99.6)	97.9 (97.2-98.6)	94.0 (92.8-95.3)	98.9 (98.4-99.4)	97.8 (97.1-98.6)
Glomerulonephritis	99.2 (98.8-99.5)	98.4 (97.9-98.8)	95.8 (95.0-96.5)	99.0 (98.7-99.4)	98.6 (98.2-99.0)
Other causes	99.2 (99.0-99.4)	98.5 (98.2-98.8)	95.7 (95.2-96.2)	99.2 (99.0-99.4)	98.6 (98.3-98.9)
All	99.1 (98.9-99.3)	98.3 (98.1-98.5)	95.0 (94.6-95.4)	99.1 (98.9-99.2)	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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	94.0 (92.4-95.3)	91.3 (89.4-92.8)	84.8 (82.5-86.9)	95.2 (93.8-96.3)	93.0 (91.3-94.3)
20-44	94.4 (93.9-94.8)	92.5 (92.0-93.1)	86.3 (85.6-87.1)	94.6 (94.1-95.0)	92.7 (92.2-93.2)
45-64	91.8 (91.4-92.2)	88.9 (88.5-89.4)	79.5 (79.0-80.1)	92.4 (92.0-92.7)	89.6 (89.2-90.0)
65+	85.8 (85.1-86.5)	80.7 (79.9-81.5)	62.9 (61.9-63.9)	86.2 (85.5-86.8)	80.7 (80.0-81.5)
Men	90.8 (90.5-91.2)	87.4 (87.0-87.8)	76.3 (75.8-76.9)	91.1 (90.8-91.4)	87.6 (87.2-88.0)
Women	91.3 (90.9-91.8)	88.6 (88.1-89.2)	79.0 (78.3-79.6)	91.7 (91.2-92.1)	88.8 (88.2-89.3)
Diabetes	89.4 (88.6-90.1)	85.4 (84.5-86.2)	71.0 (69.9-72.1)	89.8 (89.0-90.4)	85.5 (84.7-86.3)
Hypertension / renal vascular disease	88.5 (87.6-89.4)	84.4 (83.3-85.5)	71.2 (69.8-72.5)	89.6 (88.8-90.4)	85.0 (84.0-86.0)
Glomerulonephritis	91.9 (91.3-92.5)	89.0 (88.3-89.7)	79.8 (78.9-80.7)	92.0 (91.4-92.5)	89.3 (88.6-89.9)
Other causes	91.8 (91.4-92.2)	89.1 (88.6-89.5)	79.8 (79.2-80.3)	92.0 (91.6-92.3)	89.2 (88.7-89.6)
All	91.0 (90.7-91.3)	87.9 (87.5-88.2)	77.3 (76.9-77.7)	91.3 (91.0-91.6)	88.0 (87.7-88.4)

** 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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	93.6 (92.1-95.2)	90.7 (88.9-92.6)	83.7 (81.4-86.1)	94.8 (93.5-96.2)	92.4 (90.8-94.0)
20-44	94.5 (94.0-94.9)	92.6 (92.1-93.2)	86.5 (85.8-87.2)	94.6 (94.2-95.1)	92.8 (92.2-93.3)
45-64	92.0 (91.6-92.4)	89.3 (88.8-89.7)	80.1 (79.5-80.7)	92.6 (92.2-92.9)	89.9 (89.5-90.3)
65+	86.6 (85.9-87.3)	81.7 (80.9-82.5)	64.4 (63.4-65.4)	86.8 (86.2-87.5)	81.5 (80.8-82.3)
Men	92.9 (92.6-93.2)	90.1 (89.8-90.5)	80.9 (80.3-81.4)	93.0 (92.7-93.3)	90.2 (89.9-90.6)
Women	92.9 (92.5-93.3)	90.6 (90.1-91.1)	82.2 (81.5-82.8)	93.1 (92.7-93.5)	90.6 (90.2-91.1)
Diabetes	91.6 (91.0-92.3)	88.4 (87.6-89.1)	76.1 (75.1-77.1)	92.0 (91.4-92.6)	88.5 (87.9-89.2)
Hypertension / renal vascular disease	92.0 (91.3-92.7)	89.0 (88.2-89.8)	78.9 (77.8-80.0)	92.7 (92.1-93.4)	89.3 (88.6-90.1)
Glomerulonephritis	93.0 (92.5-93.6)	90.5 (89.9-91.1)	82.3 (81.5-83.1)	93.1 (92.6-93.6)	90.7 (90.1-91.2)
Other causes	93.1 (92.7-93.4)	90.7 (90.3-91.1)	82.4 (81.9-83.0)	93.2 (92.9-93.5)	90.8 (90.4-91.2)
All	92.9 (92.6-93.1)	90.3 (90.0-90.6)	81.3 (80.9-81.8)	93.1 (92.8-93.3)	90.4 (90.1-90.7)

** 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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	96.1 (94.6-97.2)	94.4 (92.6-95.7)	89.2 (87.0-91.1)	96.1 (94.7-97.2)	94.2 (92.5-95.5)
20-44	97.1 (96.6-97.6)	95.9 (95.2-96.4)	89.9 (89.0-90.7)	97.0 (96.5-97.5)	96.0 (95.4-96.5)
45-64	96.7 (96.2-97.2)	94.9 (94.3-95.5)	88.5 (87.6-89.3)	96.8 (96.3-97.2)	95.3 (94.7-95.9)
65+	95.2 (93.9-96.2)	92.0 (90.4-93.4)	79.9 (77.6-82.0)	95.7 (94.6-96.6)	92.8 (91.5-94.0)
Men	96.6 (96.2-97.0)	95.1 (94.6-95.5)	88.5 (87.7-89.2)	96.5 (96.1-96.9)	95.2 (94.7-95.6)
Women	96.7 (96.2-97.2)	94.7 (94.0-95.3)	87.6 (86.6-88.5)	96.9 (96.4-97.4)	95.1 (94.4-95.7)
Diabetes	94.8 (93.1-96.0)	92.1 (90.1-93.6)	80.0 (77.3-82.4)	94.9 (93.4-96.1)	91.5 (89.6-93.1)
Hypertension / renal vascular disease	96.2 (94.8-97.2)	93.1 (91.3-94.5)	84.6 (82.2-86.7)	96.0 (94.5-97.0)	93.1 (91.3-94.5)
Glomerulonephritis	96.7 (96.0-97.2)	95.0 (94.2-95.7)	87.6 (86.4-88.8)	96.6 (95.9-97.2)	95.6 (94.8-96.2)
Other causes	96.9 (96.4-97.3)	95.4 (94.9-95.9)	89.8 (89.0-90.5)	96.9 (96.5-97.3)	95.6 (95.1-96.1)
All	96.6 (96.3-97.0)	94.9 (94.5-95.3)	88.1 (87.5-88.7)	96.7 (96.3-97.0)	95.2 (94.8-95.5)

** 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 (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 2011 - 2015			cohort 2014 - 2018	
	1 year	2 year	5 year	1 year	2 year
0-19	95.4 (93.9-96.9)	93.5 (91.7-95.3)	87.7 (85.4-90.1)	95.6 (94.1-97.0)	93.3 (91.6-95.1)
20-44	97.0 (96.5-97.5)	95.6 (95.0-96.3)	89.3 (88.3-90.2)	96.8 (96.3-97.3)	95.8 (95.2-96.4)
45-64	96.7 (96.2-97.2)	94.9 (94.3-95.5)	88.4 (87.5-89.3)	96.7 (96.3-97.2)	95.3 (94.7-95.8)
65+	95.0 (93.8-96.3)	91.8 (90.3-93.4)	79.9 (77.7-82.2)	95.7 (94.8-96.7)	92.9 (91.6-94.2)
Men	96.4 (96.0-96.9)	94.8 (94.3-95.4)	87.9 (87.1-88.7)	96.4 (95.9-96.8)	95.0 (94.5-95.5)
Women	96.3 (95.8-96.9)	94.0 (93.3-94.8)	86.1 (85.0-87.2)	96.7 (96.1-97.2)	94.6 (93.9-95.3)
Diabetes	95.1 (93.7-96.4)	92.5 (90.9-94.2)	80.9 (78.5-83.5)	95.2 (93.9-96.5)	91.9 (90.2-93.6)
Hypertension / renal vascular disease	96.4 (95.3-97.6)	93.5 (92.0-95.0)	85.4 (83.3-87.6)	96.1 (95.0-97.3)	93.4 (91.9-94.9)
Glomerulonephritis	96.4 (95.7-97.1)	94.6 (93.7-95.4)	86.6 (85.3-87.9)	96.4 (95.8-97.1)	95.3 (94.6-96.1)
Other causes	96.7 (96.2-97.1)	95.1 (94.6-95.7)	89.2 (88.4-89.9)	96.8 (96.4-97.2)	95.5 (95.0-96.0)
All	96.4 (96.0-96.7)	94.5 (94.1-95.0)	87.3 (86.6-87.9)	96.5 (96.1-96.8)	94.9 (94.5-95.3)

** 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 (Valencian Region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)*

Figure B.6.1
Patient survival by primary renal disease:
Incident KRT patients
from day 1, adjusted for age and sex

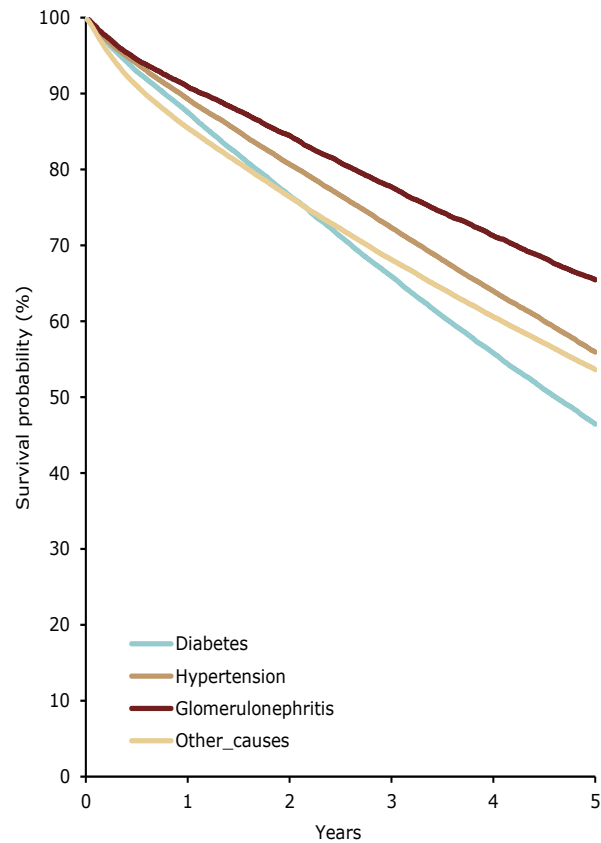


Figure B.6.2
Patient survival by modality:
Incident dialysis patients
from day 91, adjusted for age, sex, and primary renal disease

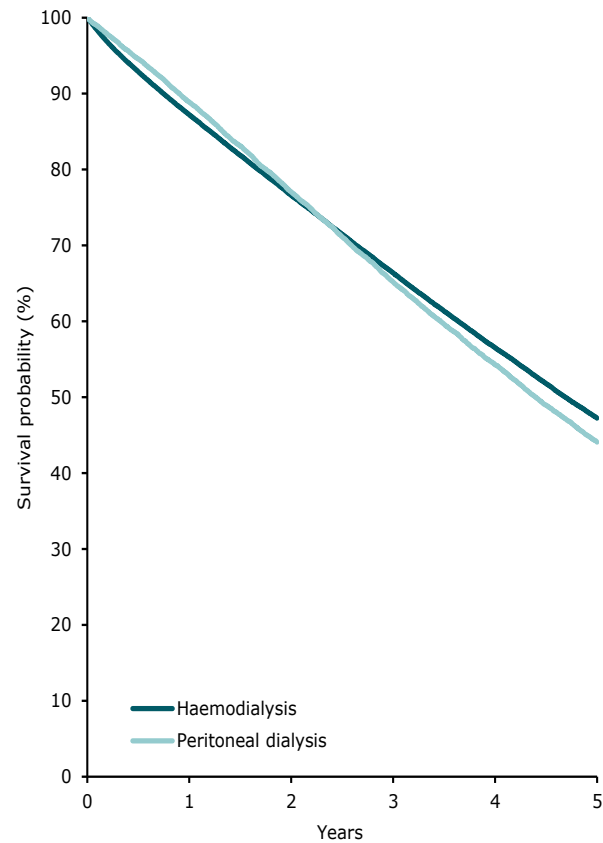
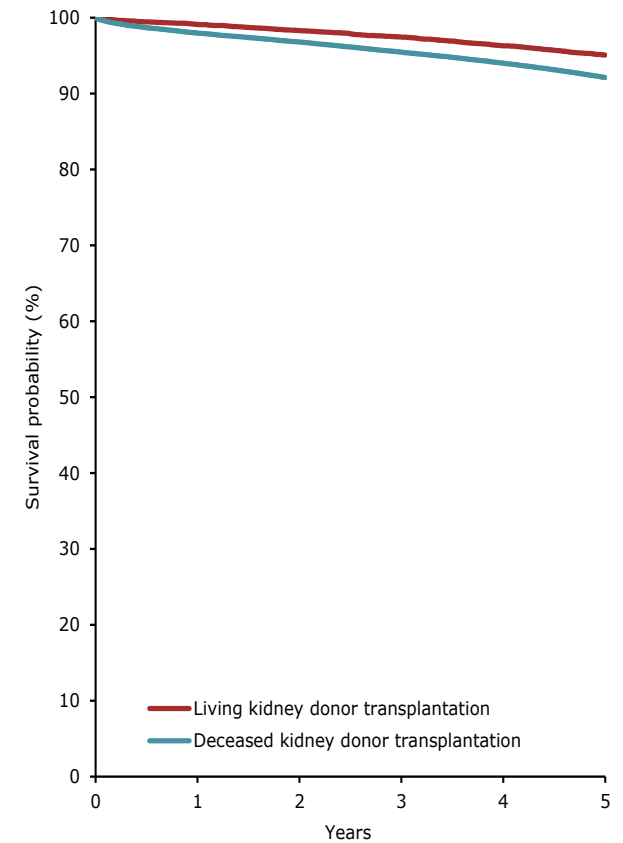


Figure B.6.3
Patient survival by donor type:
Patients receiving a first kidney transplant
from day of transplant, adjusted for age, sex, and primary renal disease



Survival on dialysis was examined using the Cox regression method, with transplantation as a censored observation (see methods)

Table B.7.1

Expected remaining lifetimes (years) of the general population (cohort 2016-2020) and of prevalent dialysis and kidney transplant patients (cohort 2016-2020)

by age and sex

General population				ESRD: Dialysis				ESRD: Transplant			
Age	All	Men	Women	Age	All	Men	Women	Age	All	Men	Women
0	81.1	78.7	83.5	0-19	38.7	39.8	37.1	0-19	62.4	62.1	63.1
5	76.5	74.1	78.8								
10	71.5	69.1	73.9								
15	66.5	64.1	68.9								
20	61.6	59.2	64.0	20-24	21.2	22.1	19.9	20-24	43.2	42.7	44.2
25	56.7	54.4	59.0	25-29	18.5	19.1	17.6	25-29	38.9	38.4	39.7
30	51.9	49.5	54.1	30-34	16.0	16.3	15.6	30-34	34.6	34.1	35.7
35	47.0	44.7	49.2	35-39	13.8	13.9	13.9	35-39	30.4	29.8	31.4
40	42.2	40.0	44.3	40-44	11.9	11.7	12.2	40-44	26.3	25.7	27.2
45	37.4	35.3	39.5	45-49	10.1	9.9	10.5	45-49	22.4	21.9	23.3
50	32.8	30.7	34.8	50-54	8.6	8.4	9.0	50-54	18.8	18.4	19.7
55	28.3	26.3	30.2	55-59	7.3	7.1	7.7	55-59	15.5	15.1	16.3
60	23.9	22.1	25.7	60-64	6.2	6.0	6.6	60-64	12.5	12.2	13.2
65	19.8	18.1	21.4	65-69	5.4	5.2	5.7	65-69	9.9	9.6	10.4
70	15.9	14.4	17.2	70-74	4.7	4.6	5.1	70-74	7.6	7.5	7.9
75	12.3	11.1	13.3	75-79	4.0	3.9	4.2	75-79	5.6	5.5	5.7
80	9.0	8.0	9.7	80-84	3.4	3.3	3.4	80-84	3.8	3.7	3.9
85	6.2	5.6	6.6	85-89	2.2	2.1	2.2				

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 (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	2846	99.0	14	13
Belarus ‡	9380	100	54	52
Croatia	4048	85.0	47	43
Cyprus	888	100	8	8
Czech Republic	10702	98.0	115	112
Hungary	9770	99.0	62	60
Israel	9215	100	79	79
Italy (8 of 20 regions) §	59641	36.0	604	110
Kosovo	1740	97.0	9	8
Lithuania	2794	100	67	67
North Macedonia	2069	100	23	23
Poland	38354	100	281	281
Portugal	10298	100	133	133
Russia	146171	98.0	740	687
Slovakia	5460	79.2	77	61
Spain #	47451	100	355	351
Turkey	83614	100	1111	1111

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

§ The data in this report covers 8 of 20 regions (Calabria, Emilia-Romagna, Liguria, Marche, Piedmont, Puglia, Trentino-Alto Adige, and Veneto). The coverage within Puglia is 64%.

No data from 4 centers of the Canary 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	Men	Women	All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women							
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%						
Albania	368	240	128	1	0	1	0	0	0	48	13	32	13	16	13	135	37	89	37	46	36	111	30	69	29	42	33	73	20	49	20	24	19
Belarus *	696	392	304	2	0	2	1	0	0	132	19	86	22	46	15	309	44	176	45	133	44	195	28	94	24	101	33	58	8	34	9	24	8
Croatia †	376	237	139	0	0	0	0	0	0	18	5	11	5	7	5	98	26	62	26	36	26	110	29	72	30	38	27	150	40	92	39	58	42
Cyprus	242	161	81	0	0	0	0	0	0	12	5	8	5	4	5	56	23	36	22	20	25	77	32	56	35	21	26	97	40	61	38	36	44
Czech Republic †	2230																																
Hungary	1923	1115	808	8	0					181	9					553	29					642	33					539	28				
Israel	1797	1182	615	25	1	14	1	11	2	137	8	88	7	49	8	501	28	328	28	173	28	552	31	373	32	179	29	582	32	379	32	203	33
Italy (8 of 20 regions)	3405	2231	1174	20	1	12	1	8	1	233	7	155	7	78	7	897	26	572	26	325	28	929	27	631	28	298	25	1326	39	861	39	465	40
Kosovo	214	129	85	3	1	0	0	3	4	30	14	16	12	14	16	78	36	46	36	32	38	60	28	36	28	24	28	43	20	31	24	12	14
Lithuania	242	142	100	4	2	2	1	2	2	35	14	21	15	14	14	91	38	51	36	40	40	52	21	39	27	13	13	60	25	29	20	31	31
North Macedonia	381	235	146	5	1	3	1	2	1	30	8	19	8	11	8	140	37	80	34	60	41	117	31	74	31	43	29	89	23	59	25	30	21
Poland	4781																																
Portugal	2361																																
Russia †	12103	6597	5506	501	4	359	5	142	3	2574	21	1564	24	1010	18	4963	41	2698	41	2265	41	3131	26	1567	24	1564	28	934	8	409	6	525	10
Slovakia †	540	329	211	0	0	0	0	0	0	42	8	30	9	12	6	187	35	129	39	58	27	200	37	110	33	90	43	111	21	60	18	51	24
Spain §	6643	4500	2143	34	1	21	0	13	1	617	9	397	9	220	10	2046	31	1391	31	655	31	1894	29	1317	29	577	27	2052	31	1374	31	678	32
Turkey	11596																																

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	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	130.6	170.6	90.7	1.5	2.9	0	48.5	63.8	32.8	181.8	246.0	120.8	444.8	569.5	327.1	439.0	616.0	276.7
Belarus *	74.2	90.4	60.3	1.0	1.9	0	40.9	53.7	28.2	117.4	147.0	92.7	218.1	276.8	182.1	101.4	233.4	56.3
Croatia †	109.3	141.7	78.6	0	0	0	16.5	19.5	13.2	102.4	131.9	73.9	269.3	390.9	169.4	461.9	787.8	278.9
Cyprus	272.5	370.5	178.6	0	0	0	35.2	48.1	22.9	266.2	346.5	187.8	921.1	1400.0	481.7	1585.0	2276.1	1046.5
Czech Republic †	212.6																	
Hungary	198.8	240.6	160.4	4.2			55.7			211.9			575.8			667.2		
Israel	195.0	258.3	132.6	7.5	8.2	6.8	45.0	57.5	32.3	287.0	385.5	193.4	830.3	1207.5	503.0	1304.9	2034.4	781.7
Italy (8 of 20 regions)	158.6	213.3	106.6	5.2	6.1	4.3	37.8	49.5	25.7	138.0	179.6	98.0	379.8	546.4	230.8	521.4	843.2	305.6
Kosovo	126.8	151.8	101.4	4.7	0	9.7	46.4	49.5	43.3	273.3	327.0	221.2	794.4	985.5	615.4	1138.9	1887.5	562.6
Lithuania	86.6	108.9	67.1	7.2	7.0	7.4	40.1	46.2	33.4	112.2	134.9	92.3	185.0	361.2	75.1	218.2	362.1	159.1
North Macedonia	184.2	227.0	141.3	11.1	12.9	9.2	39.6	48.9	29.8	251.4	287.6	215.3	592.5	808.0	406.1	825.8	1316.3	476.6
Poland	124.7																	
Portugal	229.3																	
Russia †	84.5	99.2	71.7	15.4	21.5	9.0	51.7	62.8	40.6	129.8	155.8	108.2	217.4	293.3	172.6	112.7	183.0	86.7
Slovakia †	124.9	155.8	95.4	0	0	0	27.5	38.3	16.1	160.7	224.4	98.4	433.4	545.2	346.6	401.1	642.4	278.2
Spain §	140.0	193.5	88.6	3.7	4.4	2.9	40.7	51.8	29.3	147.8	202.8	93.8	408.5	605.7	234.3	447.8	757.7	244.9
Turkey	138.7																	

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						Men						Women					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Albania	100	62.5	15.1	65.0	55.0	73.0	65.2	62.6	15.2	64.0	55.5	73.8	34.8	62.3	15.1	66.0	55.0	73.0
Belarus *	100						56.3						43.7					
Croatia †	100	69.1	14.1	71.0	61.0	79.0	63.0	69.6	13.7	72.0	61.0	78.0	37.0	68.3	14.6	70.0	62.0	79.0
Cyprus	100	70.0	12.8	72.0	63.0	79.0	66.5	70.0	12.0	72.0	63.0	77.0	33.5	70.0	14.1	73.0	63.0	81.0
Czech Republic																		
Hungary	100	63.7					58.0						42.0					
Israel	100	67.0	15.4	69.2	60.3	78.2	65.8	67.0	15.3	69.1	60.3	78.0	34.2	67.0	15.8	69.6	60.4	78.7
Italy (8 of 20 regions)	100	68.6	14.8	71.5	59.7	79.4	65.5	68.6	14.7	71.5	60.0	79.3	34.5	68.6	15.0	71.6	59.3	79.5
Kosovo	100	61.1	14.5	64.0	53.0	71.0	60.3	63.0	12.9	65.0	54.0	74.0	39.7	58.2	16.3	62.0	49.5	71.0
Lithuania	100	60.8	17.1	62.6	49.5	74.0	58.7	60.5	16.4	63.0	49.9	72.3	41.3	61.1	18.2	61.1	48.1	76.6
North Macedonia	100	63.9	14.2	66.0	56.0	74.0	61.7	64.4	14.2	66.0	57.0	74.5	38.3	63.0	14.1	64.5	55.0	73.0
Poland																		
Portugal																		
Russia †	100						54.5						45.5					
Slovakia †	100	64.4	13.1	66.0	57.0	73.0	60.9	62.8	13.5	65.0	54.0	72.0	39.1	66.9	11.7	69.0	62.0	74.0
Spain	100	63.8	14.8	68.3	54.9	77.1	67.7	64.0	14.6	68.3	55.2	76.9	32.3	63.5	15.3	68.2	54.2	77.5
Turkey																		

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	Men	Women
	Pmp	Pmp	Pmp
Albania	144.4	185.4	105.3
Belarus			
Croatia †	103.1	135.8	71.9
Cyprus	260.3	359.1	166.1
Czech Republic			
Hungary			
Israel	293.3	389.1	202.0
Italy (8 of 20 regions)	134.2	177.9	92.5
Kosovo	261.4	332.2	194.0
Lithuania	88.0	114.7	62.4
North Macedonia	211.6	268.6	157.3
Poland			
Portugal			
Russia			
Slovakia †	132.8	171.3	96.1
Spain			
Turkey			

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	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type 1		Type 2		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	130.6	100	27.7	21.2	17.7	13.6	7.5	5.7	2.1	1.6	27.7	21.2	29.8	22.8	22.4	17.1	2.5	1.9	13.5	10.3	8.9	6.8	0.7	0.5
Belarus *	74.2	100	16.4	22.1	6.4	8.6	5.3	7.2	3.6	4.9	11.8	15.9	15.5	20.8	8.3	11.2	4.2	5.6	17.8	24.0	0.3	0.4	0	0
Croatia †	109.3	100	14.5	13.3	0	0	6.7	6.1	2.9	2.7	27.6	25.3	30.5	27.9	28.8	26.3	2.9	2.7	15.7	14.4	9.3	8.5	0.9	0.8
Cyprus	272.5	100	22.5	8.3	12.4	4.5	11.3	4.1	0	0	113.7	41.7	113.7	41.7	69.8	25.6	2.3	0.8	22.5	8.3	18.0	6.6	0	0
Czech Republic																								
Hungary	198.8	100	16.5	8.3	15.4	7.7	8.0	4.0	7.5	3.8	46.9	23.6	54.5	27.4	49.3	24.8	11.2	5.6	24.1	12.1	19.9	10.0	0	0
Israel	195.0	100	11.3	5.8	3.5	1.8	5.5	2.8	2.0	1.0	85.3	43.7	87.2	44.7	20.9	10.7	2.1	1.1	24.0	12.3	29.3	15.0	11.2	5.7
Italy (8 of 20 regions)	158.6	100	17.0	10.7	8.1	5.1	8.9	5.6					24.2	15.3	22.3	14.0	5.3	3.3	12.9	8.2	42.8	27.0	17.0	10.7
Kosovo	126.8	100	4.1	3.3	35.0	27.6	5.3	4.2	4.1	3.3	36.1	28.5	40.3	31.8	26.1	20.6	0.6	0.5	8.9	7.0	6.5	5.1	0	0
Lithuania	86.6	100	13.2	15.3	8.2	9.5	6.8	7.9					14.0	16.1	17.5	20.2	2.5	2.9	20.0	23.1	3.6	4.1	0.7	0.8
North Macedonia	184.2	100	7.7	4.2	13.1	7.1	7.3	3.9	2.4	1.3	44.0	23.9	46.4	25.2	57.5	31.2	1.0	0.5	20.3	11.0	30.9	16.8	0	0
Poland	124.7	100					6.9	5.5					38.7	31.0									79.1	63.5
Portugal + & ‡	229.3	100	26.8	11.7			11.1	4.8					75.1	32.7	32.7	14.3			45.0	19.6	35.9	15.7	0.7	0.3
Russia †	84.5	100	19.7	23.4	9.6	11.4	7.4	8.7	5.4	6.3	14.9	17.6	20.2	24.0	12.9	15.3	1.2	1.4	13.4	15.8	0	0	0	0
Slovakia †	124.9	100	14.8	11.9	9.7	7.8	5.6	4.4					37.7	30.2	10.4	8.3	3.7	3.0	39.8	31.9	3.2	2.6	0	0
Spain ¶	140.0	100	17.7	12.7	10.9	7.8	8.8	6.3					35.2	25.1	18.4	13.2			17.7	12.7	23.7	16.9	7.5	5.4
Turkey	138.7	100	2.2	1.6	0.3	0.2	1.1	0.8	1.0	0.7	7.4	5.4	8.5	6.1	6.6	4.7	0.2	0.1	2.8	2.0	4.5	3.2	112.6	81.2

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

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

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

‡ Data on primary renal disease are available for dialysis patients only (99.1% of total N=2361)

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

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	368	341	0	0	0	0	341	0	13	0	13	2	0	0	2	12
Belarus *	696	620	0	0	0	35	655	3	21	0	24	0	17	0	17	0
Croatia †	376	308	0	0	0	45	353			23	23					0
Cyprus	242	224	0	0	0	0	224	0	17	0	17	1	0	0	1	0
Czech Republic †	2230			2161			2161			69	69					0
Hungary	1923	1668	0	0	0	0	1668			250	250			5	5	0
Israel	1797	1455	0	0	0	54	1509	75	152	1	228	55	3	2	60	0
Italy (8 of 20 regions)	3405	2078	8	466	23	234	2809	220	297	0	517	21	58	0	79	0
Kosovo	214	214	0	0	0	0	214	0	0	0	0	0	0	0	0	0
Lithuania	242	217	0	0	0	0	217			18	18	0	7	0	7	0
North Macedonia	381	375	0	0	0	0	375	0	1	0	1	3	2	0	5	0
Poland	4781	4457	0	0	0	0	4457			277	277			47	47	0
Portugal	2361			2101			2101			239	239			21	21	0
Russia †	12103	10589	0	0	0	676	11265	226	612	0	838					0
Slovakia †	540	142	0	0	0	384	526	7	7	0	14					0
Spain	6643			5289			5289			1065	1065			289	289	0
Turkey	11596	8989	39	19	0	34	9081	273	902	0	1175	1335	5	0	1340	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	130.6	121.0	0	0	0	0	121.0	0	4.6	0	4.6	0.7	0	0	0.7	4.3
Belarus *	74.2	66.1	0	0	0	3.7	69.8	0.3	2.2	0	2.6	0	1.8	0	1.8	0
Croatia †	109.3	89.5	0	0	0	13.1	102.6			6.7	6.7					0
Cyprus	272.5	252.3	0	0	0	0	252.3	0	19.1	0	19.1	1.1	0	0	1.1	0
Czech Republic †	212.6			206.1			206.1			6.6	6.6					0
Hungary	198.8	172.5	0	0	0	0	172.5			25.8	25.8			0.5	0.5	0
Israel	195.0	157.9	0	0	0	5.9	163.8	8.1	16.5	0.1	24.7	6.0	0.3	0.2	6.5	0
Italy (8 of 20 regions)	158.6	96.8	0.4	21.7	1.1	10.9	130.8	10.2	13.8	0	24.1	1.0	2.7	0	3.7	0
Kosovo	126.8	126.8	0	0	0	0	126.8	0	0	0	0	0	0	0	0	0
Lithuania	86.6	77.7	0	0	0	0	77.7			6.4	6.4	0	2.5	0	2.5	0
North Macedonia	184.2	181.3	0	0	0	0	181.3	0	0.5	0	0.5	1.5	1.0	0	2.4	0
Poland	124.7	116.2	0	0	0	0	116.2			7.2	7.2			1.2	1.2	0
Portugal	229.3			204.0			204.0			23.2	23.2			2.0	2.0	0
Russia †	84.5	73.9	0	0	0	4.7	78.6	1.6	4.3	0	5.9					0
Slovakia †	124.9	32.8	0	0	0	88.8	121.6	1.6	1.6	0	3.2					0
Spain	140.0			111.5			111.5			22.4	22.4			6.1	6.1	0
Turkey	138.7	107.5	0.5	0.2	0	0.4	108.6	3.3	10.8	0	14.1	16.0	0.1	0	16.0	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	92.7	0	0	0	0	92.7	0	3.5	0	3.5	0.5	0	0	0.5	3.3
Belarus *	100	89.1	0	0	0	5.0	94.1	0.4	3.0	0	3.4	0	2.4	0	2.4	0
Croatia †	100	81.9	0	0	0	12.0	93.9			6.1	6.1					0
Cyprus	100	92.6	0	0	0	0	92.6	0	7.0	0	7.0	0.4	0	0	0.4	0
Czech Republic †	100			96.9			96.9			3.1	3.1					0
Hungary	100	86.7	0	0	0	0	86.7			13.0	13.0			0.3	0.3	0
Israel	100	81.0	0	0	0	3.0	84.0	4.2	8.5	0.1	12.7	3.1	0.2	0.1	3.3	0
Italy (8 of 20 regions)	100	61.0	0.2	13.7	0.7	6.9	82.5	6.5	8.7	0	15.2	0.6	1.7	0	2.3	0
Kosovo	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0
Lithuania	100	89.7	0	0	0	0	89.7			7.4	7.4	0	2.9	0	2.9	0
North Macedonia	100	98.4	0	0	0	0	98.4	0	0.3	0	0.3	0.8	0.5	0	1.3	0
Poland	100	93.2	0	0	0	0	93.2			5.8	5.8			1.0	1.0	0
Portugal	100			89.0			89.0			10.1	10.1			0.9	0.9	0
Russia †	100	87.5	0	0	0	5.6	93.1	1.9	5.1	0	6.9					0
Slovakia †	100	26.3	0	0	0	71.1	97.4	1.3	1.3	0	2.6					0
Spain	100			79.6			79.6			16.0	16.0			4.4	4.4	0
Turkey	100	77.5	0.3	0.2	0	0.3	78.3	2.4	7.8	0	10.1	11.5	0	0	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

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	Men	Women	All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women							
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%						
Albania	329	213	116	1	0	1	0	0	0	48	15	32	15	16	14	135	41	89	42	46	40	103	31	63	30	40	34	42	13	28	13	14	12
Belarus *	549	317	232	1	0	1	0	0	0	116	21	76	24	40	17	245	45	145	46	100	43	147	27	71	22	76	33	40	7	24	8	16	7
Croatia †	319	201	118	0	0	0	0	0	0	18	6	11	5	7	6	90	28	56	28	34	29	92	29	60	30	32	27	119	37	74	37	45	38
Cyprus	235	156	79	0	0	0	0	0	0	12	5	8	5	4	5	55	23	35	22	20	25	74	31	54	35	20	25	94	40	59	38	35	44
Czech Republic																																	
Hungary																																	
Israel	1687	1108	579	24	1	13	1	11	2	137	8	88	8	49	8	482	29	317	29	165	28	519	31	349	31	170	29	525	31	341	31	184	32
Italy (8 of 20 regions)	3005	1964	1041	18	1	11	1	7	1	218	7	147	7	71	7	828	28	528	27	300	29	835	28	569	29	266	26	1106	37	709	36	397	38
Kosovo	161	100	61	2	1	0	0	2	3	24	15	14	14	10	16	56	35	32	32	24	39	49	30	28	28	21	34	30	19	26	26	4	7
Lithuania	238	138	100	4	2	2	1	2	2	35	15	21	15	14	14	91	38	51	37	40	40	51	21	38	28	13	13	57	24	26	19	31	31
North Macedonia	271	174	97	5	2	3	2	2	2	25	9	19	11	6	6	109	40	62	36	47	48	77	28	50	29	27	28	55	20	40	23	15	15
Poland																																	
Portugal	2245																																
Russia																																	
Slovakia †	382	239	143	0	0	0	0	0	0	35	9	25	10	10	7	144	38	97	41	47	33	130	34	74	31	56	39	73	19	43	18	30	21
Spain																																	
Turkey																																	

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	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Albania	116.8	151.4	82.2	1.5	2.9	0	48.5	63.8	32.8	181.8	246.0	120.8	412.7	520.0	311.5	252.6	352.0	161.4
Belarus *	58.5	73.1	46.0	0.5	0.9	0	35.9	47.5	24.5	93.1	121.1	69.7	164.4	209.0	137.0	69.9	164.7	37.5
Croatia †	92.7	120.2	66.7	0	0	0	16.5	19.5	13.2	94.0	119.1	69.8	225.2	325.7	142.7	366.5	633.7	216.4
Cyprus	264.6	359.0	174.2	0	0	0	35.2	48.1	22.9	261.4	336.9	187.8	885.2	1350.0	458.7	1535.9	2201.5	1017.4
Czech Republic																		
Hungary																		
Israel	183.1	242.2	124.8	7.2	7.7	6.8	45.0	57.5	32.3	276.1	372.5	184.4	780.7	1129.8	477.7	1177.1	1830.4	708.5
Italy (8 of 20 regions)	140.0	187.8	94.5	4.7	5.6	3.8	35.4	47.0	23.4	127.4	165.7	90.5	341.3	492.7	206.0	434.9	694.3	260.9
Kosovo	95.4	117.7	72.8	3.1	0	6.5	37.1	43.3	31.0	196.2	227.5	165.9	648.8	766.5	538.5	794.6	1583.0	187.5
Lithuania	85.2	105.8	67.1	7.2	7.0	7.4	40.1	46.2	33.4	112.2	134.9	92.3	181.5	351.9	75.1	207.3	324.7	159.1
North Macedonia	131.0	168.1	93.9	11.1	12.9	9.2	33.0	48.9	16.2	195.7	222.9	168.7	389.9	545.9	255.0	510.3	892.4	238.3
Poland																		
Portugal	218.0																	
Russia																		
Slovakia †	88.3	113.2	64.6	0	0	0	22.9	31.9	13.4	123.7	168.8	79.8	281.7	366.8	215.7	263.8	460.4	163.6
Spain																		
Turkey																		

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						Men						Women					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Albania	100	60.7	14.8	63.0	54.5	71.0	64.7	61.0	14.7	63.0	55.0	71.8	35.3	60.2	14.8	63.0	53.0	70.5
Belarus *	100						57.7						42.3					
Croatia †	100	68.1	14.8	69.0	60.0	77.0	63.0	68.6	14.4	69.0	59.0	76.0	37.0	67.3	15.4	69.0	61.0	78.0
Cyprus	100	70.0	12.8	72.0	63.0	79.0	66.4	70.0	12.8	72.0	63.0	79.0	33.6	70.0	13.0	72.0	63.0	79.0
Czech Republic																		
Hungary																		
Israel	100	66.5	15.5	68.9	59.8	77.7	65.7	66.5	15.3	68.8	59.6	77.4	34.3	66.5	15.9	69.1	60.2	78.0
Italy (8 of 20 regions)	100	68.0	14.9	70.9	59.0	78.9	65.4	67.9	14.8	70.8	59.1	78.8	34.6	68.1	14.9	71.0	58.7	79.2
Kosovo	100	60.9	14.4	64.0	53.0	71.0	62.1	63.0	13.4	66.0	54.0	75.0	37.9	57.4	15.5	62.0	48.0	70.0
Lithuania	100	60.4	17.1	61.8	49.2	73.6	58.0	60.0	16.3	62.3	49.5	71.7	42.0	61.1	18.2	61.1	48.1	76.6
North Macedonia	100	62.5	14.8	64.0	55.0	73.0	64.2	63.1	15.1	65.0	55.0	73.5	35.8	61.4	14.3	63.0	54.0	72.0
Poland																		
Portugal																		
Russia																		
Slovakia †	100	63.5	13.3	65.0	56.0	73.0	62.6	62.3	13.9	64.0	52.0	72.0	37.4	65.5	12.1	68.0	60.0	74.0
Spain																		
Turkey																		

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	Men	Women
	Pmp	Pmp	Pmp
Albania	125.9	163.0	90.4
Belarus			
Croatia †	87.2	114.6	61.1
Cyprus	254.8	350.4	163.7
Czech Republic			
Hungary			
Israel	274.4	363.9	189.0
Italy (8 of 20 regions)	119.1	157.6	82.4
Kosovo	192.3	255.2	132.4
Lithuania	86.3	111.3	62.4
North Macedonia	147.4	194.5	102.5
Poland			
Portugal			
Russia			
Slovakia †	93.7	124.4	64.4
Spain			
Turkey			

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	116.8	100	27.7	23.7	16.7	14.3	7.5	6.4	1.4	1.2	23.1	19.8	24.5	21.0	19.2	16.4	1.8	1.5	12.1	10.3	6.4	5.5	1.1	0.9
Belarus *	58.5	100	14.3	24.4	5.3	9.1	4.7	8.0	3.1	5.3	9.0	15.3	12.0	20.6	7.2	12.4	2.1	3.6	12.6	21.5	0.2	0.4	0	0
Croatia †	92.7	100	9.9	10.7	0	0	6.4	6.9	2.6	2.8	25.9	27.9	28.5	30.7	25.9	27.9	2.6	2.8	14.8	16.0	4.7	5.0	0	0
Cyprus	264.6	100	22.5	8.5	11.3	4.3	11.3	4.3	0	0	110.4	41.7	110.4	41.7	68.7	26.0	1.1	0.4	21.4	8.1	18.0	6.8	0	0
Czech Republic																								
Hungary																								
Israel	183.1	100	11.1	6.0	3.4	1.8	5.4	3.0	2.0	1.1	80.2	43.8	82.1	44.9	19.9	10.8	2.0	1.1	22.2	12.2	26.9	14.7	10.1	5.5
Italy (8 of 20 regions)	140.0	100	15.1	10.8	6.9	5.0	8.1	5.8					21.7	15.5	19.4	13.8	4.7	3.3	11.4	8.2	36.2	25.9	16.4	11.7
Kosovo	95.4	100	3.6	3.7	24.9	26.1	5.3	5.6	3.0	3.1	26.1	27.3	29.0	30.4	21.3	22.4	0.6	0.6	5.3	5.6	5.3	5.6	0	0
Lithuania	85.2	100	13.2	15.5	8.2	9.7	6.8	8.0					14.0	16.4	17.2	20.2	1.8	2.1	19.7	23.1	3.6	4.2	0.7	0.8
North Macedonia	131.0	100	5.8	4.4	7.7	5.9	6.8	5.2	1.5	1.1	29.5	22.5	30.9	23.6	43.0	32.8	1.0	0.7	14.5	11.1	21.3	16.2	0	0
Poland																								
Portugal																								
Russia																								
Slovakia †	88.3	100	11.6	13.1	6.2	7.1	5.1	5.8					27.5	31.2	10.4	11.8	3.0	3.4	22.7	25.7	1.9	2.1	0	0
Spain																								
Turkey																								

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

C3 INCIDENT PATIENTS ACCEPTED FOR KRT IN 2020, 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	329	299	0	0	0	0	299	0	13	0	13	4	0	0	4	13
Belarus *	549	440	0	0	0	58	498	6	29	0	35	0	16	0	16	0
Croatia †	319	261	0	0	0	39	300			19	19					0
Cyprus	235	217	0	0	0	0	217	0	17	0	17	0	1	0	1	0
Czech Republic																
Hungary																
Israel	1687	1342	0	0	0	50	1392	75	146	1	222	66	3	4	73	0
Italy (8 of 20 regions)	3005	1772	8	441	21	208	2450	204	272	0	476	21	58	0	79	0
Kosovo	161	161	0	0	0	0	161	0	0	0	0	0	0	0	0	0
Lithuania	238	213	0	0	0	0	213			18	18	0	7	0	7	0
North Macedonia	271	266	0	0	0	0	266	0	1	0	1	3	1	0	4	0
Poland																
Portugal #	2245			1991			1991			233	233			21	21	0
Russia																
Slovakia †	382	82	0	0	0	289	371	6	5	0	11					0
Spain																
Turkey																

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	116.8	106.1	0	0	0	0	106.1	0	4.6	0	4.6	1.4	0	0	1.4	4.6
Belarus *	58.5	46.9	0	0	0	6.2	53.1	0.6	3.1	0	3.7	0	1.7	0	1.7	0
Croatia †	92.7	75.9	0	0	0	11.3	87.2			5.5	5.5					0
Cyprus	264.6	244.4	0	0	0	0	244.4	0	19.1	0	19.1	0	1.1	0	1.1	0
Czech Republic																
Hungary																
Israel	183.1	145.6	0	0	0	5.4	151.1	8.1	15.8	0.1	24.1	7.2	0.3	0.4	7.9	0
Italy (8 of 20 regions)	140.0	82.5	0.4	20.5	1.0	9.7	114.1	9.5	12.7	0	22.2	1.0	2.7	0	3.7	0
Kosovo	95.4	95.4	0	0	0	0	95.4	0	0	0	0	0	0	0	0	0
Lithuania	85.2	76.2	0	0	0	0	76.2			6.4	6.4	0	2.5	0	2.5	0
North Macedonia	131.0	128.6	0	0	0	0	128.6	0	0.5	0	0.5	1.5	0.5	0	1.9	0
Poland																
Portugal #	218.0			193.3			193.3			22.6	22.6			2.0	2.0	0
Russia																
Slovakia †	88.3	19.0	0	0	0	66.8	85.8	1.4	1.2	0	2.5					0
Spain																
Turkey																

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	90.9	0	0	0	0	90.9	0	4.0	0	4.0	1.2	0	0	1.2	4.0
Belarus *	100	80.1	0	0	0	10.6	90.7	1.1	5.3	0	6.4	0	2.9	0	2.9	0
Croatia †	100	81.8	0	0	0	12.2	94.0			6.0	6.0					0
Cyprus	100	92.3	0	0	0	0	92.3	0	7.2	0	7.2	0	0.4	0	0.4	0
Czech Republic																
Hungary																
Israel	100	79.5	0	0	0	3.0	82.5	4.4	8.7	0.1	13.2	3.9	0.2	0.2	4.3	0
Italy (8 of 20 regions)	100	59.0	0.3	14.7	0.7	6.9	81.5	6.8	9.1	0	15.8	0.7	1.9	0	2.6	0
Kosovo	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0
Lithuania	100	89.5	0	0	0	0	89.5			7.6	7.6	0	2.9	0	2.9	0
North Macedonia	100	98.2	0	0	0	0	98.2	0	0.4	0	0.4	1.1	0.4	0	1.5	0
Poland																
Portugal #	100			88.7			88.7			10.4	10.4			0.9	0.9	0
Russia																
Slovakia †	100	21.5	0	0	0	75.7	97.1	1.6	1.3	0	2.9					0
Spain																
Turkey																

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	Men	Women	All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women							
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%						
Albania	1664	1076	588	30	2	19	2	11	2	460	28	312	29	148	25	681	41	420	39	261	44	356	21	234	22	122	21	137	8	91	8	46	8
Belarus *	3881	2148	1733	36	1	20	1	16	1	1137	29	644	30	493	28	1781	46	1001	47	780	45	746	19	384	18	362	21	181	5	99	5	82	5
Croatia †	2028	1194	834	1	0	0	0	1	0	204	10	113	9	91	11	586	29	376	31	210	25	684	34	404	34	280	34	553	27	301	25	252	30
Cyprus																																	
Czech Republic	11287																																
Hungary	9651																																
Israel †	6916	4337	2579	47	1	24	1	23	1	460	7	297	7	163	6	2065	30	1349	31	716	28	2099	30	1310	30	789	31	2245	32	1357	31	888	34
Italy (8 of 20 regions)	28127	17851	10276	330	1	190	1	140	1	3536	13	2226	12	1310	13	10188	36	6491	36	3697	36	6882	24	4424	25	2458	24	7191	26	4520	25	2671	26
Kosovo	784	409	375	0	0	0	0	0	0	87	11	53	13	34	9	382	49	198	48	184	49	232	30	116	28	116	31	83	11	42	10	41	11
Lithuania	2417																																
North Macedonia	1762	1085	677	10	1	5	0	5	1	238	14	151	14	87	13	816	46	526	48	290	43	448	25	253	23	195	29	250	14	150	14	100	15
Poland †	19647	7927	11720	39	0					2180	11					6325	32					6304	32					4799	24				
Portugal	20713	12623	8090																														
Russia	61164	32715	28449	1210	2	670	2	540	2	13740	22	8161	25	5579	20	27671	45	14962	46	12709	45	14365	23	7004	21	7361	26	4178	7	1918	6	2260	8
Slovakia †	3105	1912	1193	6	0	5	0	1	0	302	10	190	10	112	9	1050	34	691	36	359	30	1042	34	659	34	383	32	705	23	367	19	338	28
Spain §	64621	40982	23639	354	1	228	1	126	1	8653	13	5314	13	3339	14	24959	39	15878	39	9081	38	15729	24	10266	25	5463	23	14926	23	9296	23	5630	24
Turkey	83350																																

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.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	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Albania	590.6	765.1	416.7	44.8	55.6	33.6	464.8	621.6	303.4	917.1	1160.9	685.5	1426.5	1931.3	950.2	823.9	1144.0	530.4
Belarus *	413.8	495.4	343.6	17.6	19.0	16.0	352.0	402.5	302.4	676.5	836.0	543.5	834.2	1130.6	652.7	316.4	679.5	192.3
Croatia †	589.4	713.9	471.7	1.5	0	3.1	186.9	200.8	172.2	612.2	799.8	431.1	1674.3	2193.1	1248.2	1703.0	2577.6	1211.8
Cyprus																		
Czech Republic	1076.2																	
Hungary	997.8																	
Israel †	750.5	947.9	555.9	14.2	14.1	14.3	151.0	194.1	107.6	1183.0	1585.4	800.3	3157.3	4240.9	2216.9	5033.6	7284.0	3419.3
Italy (8 of 20 regions)	1310.0	1706.9	933.1	86.5	96.6	75.7	573.5	711.1	431.6	1567.2	2037.6	1115.2	2813.2	3830.6	1903.3	2827.8	4426.5	1755.1
Kosovo	464.6	481.4	447.5	0	0	0	134.6	163.9	105.3	1338.6	1407.5	1271.6	3071.7	3175.5	2974.6	2198.4	2557.2	1922.1
Lithuania	865.0																	
North Macedonia	851.8	1048.1	655.1	22.3	21.6	23.1	313.9	388.3	235.6	1465.4	1890.8	1040.7	2268.7	2762.5	1841.7	2319.7	3346.6	1588.5
Poland †	512.3	427.3	591.8	5.2			161.4			630.9			1404.7			1686.8		
Portugal	2011.3	2598.0	1487.3															
Russia	427.0	492.0	370.6	37.2	40.2	34.1	275.8	327.4	224.2	723.5	863.7	607.3	997.4	1310.7	812.6	504.1	858.3	373.3
Slovakia †	718.1	905.4	539.3	6.7	10.9	2.3	197.8	242.7	150.6	902.1	1202.2	609.3	2258.2	3266.4	1474.9	2547.5	3929.3	1843.6
Spain §	1361.9	1762.2	977.0	38.4	48.1	28.2	570.4	693.4	444.8	1803.2	2314.8	1300.6	3392.4	4721.6	2218.7	3257.6	5126.6	2033.5
Turkey	996.8																	

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

	All						Men						Women					
	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75	%	Mean (years)	SD	Median (years)	P25	P75
Albania	100	52.2	18.2	51.0	36.0	69.0	64.7	53.3	18.4	56.0	36.0	68.0	35.3	50.0	17.5	46.0	38.0	69.0
Belarus *	100						55.3						44.7					
Croatia †	100	66.4	15.0	69.0	59.0	78.0	58.9	65.8	14.7	68.5	59.0	77.0	41.1	67.4	15.6	70.0	62.0	78.0
Cyprus																		
Czech Republic																		
Hungary																		
Israel †	100	67.4	14.4	69.3	59.7	77.5	62.7	67.1	14.3	69.0	59.3	77.0	37.3	67.8	14.5	70.0	60.1	78.0
Italy (8 of 20 regions)	100	63.1	16.4	65.0	52.7	75.3	63.5	63.1	16.3	65.0	52.9	75.2	36.5	63.1	16.7	65.0	52.4	75.5
Kosovo	100	60.2	12.4	62.0	52.0	69.0	52.2	59.5	12.7	62.0	51.5	69.0	47.8	61.0	12.1	62.0	54.0	70.0
Lithuania																		
North Macedonia	100	59.8	14.0	61.0	52.0	70.0	61.6	59.4	13.9	61.0	51.0	69.0	38.4	60.4	14.2	62.0	52.0	71.0
Poland †	100						40.3						59.7					
Portugal	100	67.7					60.9						39.1					
Russia	100						53.5						46.5					
Slovakia †	100	64.0	13.8	66.0	56.0	74.0	61.6	63.1	13.7	65.0	55.0	72.0	38.4	65.6	13.7	68.0	58.0	75.0
Spain	100	60.4	15.6	63.7	50.7	74.2	63.4	60.5	15.5	63.8	50.5	73.8	36.6	60.2	15.9	63.4	50.4	74.5
Turkey																		

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

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	640.6	825.3	464.4
Belarus			
Croatia †	545.6	673.1	424.1
Cyprus			
Czech Republic			
Hungary			
Israel †	1141.5	1436.1	860.7
Italy (8 of 20 regions)	1159.2	1492.9	841.0
Kosovo	924.6	948.1	902.2
Lithuania			
North Macedonia	926.4	1151.0	712.2
Poland			
Portugal			
Russia			
Slovakia †	772.0	998.7	555.9
Spain			
Turkey			

When cells are left empty, the data are unavailable

† Data include dialysis patients only

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	590.6	100	99.7	16.9	131.7	22.3	45.8	7.8	12.4	2.1	113.9	19.3	126.4	21.4	59.6	10.1	13.8	2.3	63.2	10.7	44.7	7.6	5.7	1.0
Belarus *	413.8	100	171.2	41.4	29.4	7.1	39.4	9.5	22.6	5.5	32.2	7.8	54.8	13.2	33.0	8.0	12.3	3.0	73.5	17.8	0.1	0	0	0
Croatia †	589.4	100	111.3	18.9	36.6	6.2	53.8	9.1	9.3	1.6	138.9	23.6	148.2	25.1	115.4	19.6	19.5	3.3	59.6	10.1	29.6	5.0	15.4	2.6
Cyprus																								
Czech Republic																								
Hungary																								
Israel †	750.5	100	62.7	8.4	17.5	2.3	26.8	3.6	39.7	5.3	313.4	41.8	353.1	47.1	86.1	11.5	9.8	1.3	85.5	11.4	102.3	13.6	6.7	0.9
Italy (8 of 20 regions)	1310.0	100	255.2	19.5	86.0	6.6	121.8	9.3					136.5	10.4	139.7	10.7	33.6	2.6	116.6	8.9	282.4	21.6	138.3	10.6
Kosovo	464.6	100	16.0	3.4	160.6	34.6	26.7	5.7	11.9	2.6	125.0	26.9	136.9	29.5	52.1	11.2	39.1	8.4	17.8	3.8	15.4	3.3	0	0
Lithuania																								
North Macedonia	851.8	100	127.1	14.9	59.9	7.0	80.2	9.4	12.1	1.4	138.7	16.3	150.8	17.7	228.7	26.8	2.9	0.3	82.7	9.7	119.4	14.0	0	0
Poland †	512.3	100	78.8	15.4	35.5	6.9	38.7	7.5	25.4	5.0	116.6	22.8	142.1	27.7	70.7	13.8	24.0	4.7	72.5	14.2	50.0	9.8	0	0
Portugal + & ‡	2011.3	100	178.7	8.9			86.7	4.3					357.7	17.8	165.6	8.2			268.7	13.4	232.1	11.5	5.5	0.3
Russia	427.0	100	138.1	32.3	51.6	12.1	48.4	11.3	24.2	5.7	53.3	12.5	77.5	18.2	46.8	11.0	8.0	1.9	56.6	13.3	0	0	0	0
Slovakia †	718.1	100	91.6	12.8	63.4	8.8	29.1	4.1					214.6	29.9	52.0	7.2	22.0	3.1	237.7	33.1	7.6	1.1	0	0
Spain ¶	1361.9	100	266.3	19.6	139.2	10.2	138.8	10.2					222.5	16.3	150.6	11.1			147.0	10.8	260.2	19.1	37.2	2.7
Turkey	996.8	100	6.0	0.6	0.9	0.1	4.0	0.4	3.7	0.4	27.9	2.8	31.5	3.2	24.3	2.4	0.7	0.1	10.8	1.1	12.7	1.3	905.9	90.9

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

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

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

‡ Data on primary renal disease are available for dialysis patients only (64.4% of total N=20713)

¶ 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	1664	1301	0	0	0	0	1301	0	39	0	39	255	40	9	304	20
Belarus *	3881	1481	0	0	10	318	1809	14	153	0	167	89	1813	3	1905	0
Croatia †	2028	1646	0	0	0	246	1892			136	136					0
Cyprus																
Czech Republic	11287	1384	49	0	0	4080	5513			295	295			5479	5479	0
Hungary	9651	5232	0	0	0	0	5232	184	702	0	886	344	3189	0	3533	0
Israel †	6916	5796	0	0	0	517	6313	299	301	3	603					0
Italy (8 of 20 regions)	28127	9758	50	1422	360	3466	15056	1103	941	1	2045	872	10154	0	11026	0
Kosovo	784	676	0	0	0	0	676	0	0	0	0	108	0	0	108	0
Lithuania	2417	1342	0	0	0	0	1342	28	35	0	63			1012	1012	0
North Macedonia	1762	1513	1	0	0	0	1514	0	17	0	17	208	23	0	231	0
Poland †	19647	18847	0	0	0	0	18847			800	800					0
Portugal	20713			12458			12458			878	878	781	6596	0	7377	0
Russia	61164	44079	0	0	0	3833	47912	345	2309	0	2654	1696	7313	1589	10598	0
Slovakia †	3105	503	0	0	1	2534	3038	44	23	0	67					0
Spain	64621			26091			26091			3236	3236			35294	35294	0
Turkey	83350	57920	895	162	5	1576	60558	1106	2281	0	3387	0	0	19405	19405	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.4.7
Prevalence per million population by treatment modality, 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	
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	590.6	461.8	0	0	0	0	461.8	0	13.8	0	13.8	90.5	14.2	3.2	107.9	7.1
Belarus *	413.8	157.9	0	0	1.1	33.9	192.9	1.5	16.3	0	17.8	9.5	193.3	0.3	203.1	0
Croatia †	589.4	478.4	0	0	0	71.5	549.9			39.5	39.5					0
Cyprus																
Czech Republic	1076.2	132.0	4.7	0	0	389.0	525.7			28.1	28.1			522.4	522.4	0
Hungary	997.8	541.0	0	0	0	0	541.0	19.0	72.6	0	91.6	35.6	329.7	0	365.3	0
Israel †	750.5	629.0	0	0	0	56.1	685.1	32.4	32.7	0.3	65.4					0
Italy (8 of 20 regions)	1310.0	454.5	2.3	66.2	16.8	161.4	701.2	51.4	43.8	0	95.2	40.6	472.9	0	513.5	0
Kosovo	464.6	400.6	0	0	0	0	400.6	0	0	0	0	64.0	0	0	64.0	0
Lithuania	865.0	480.3	0	0	0	0	480.3	10.0	12.5	0	22.5			362.2	362.2	0
North Macedonia	851.8	731.4	0.5	0	0	0	731.9	0	8.2	0	8.2	100.5	11.1	0	111.7	0
Poland †	512.3	491.4	0	0	0	0	491.4			20.9	20.9					0
Portugal	2011.3			1209.7			1209.7			85.3	85.3	75.8	640.5	0	716.3	0
Russia	427.0	307.7	0	0	0	26.8	334.5	2.4	16.1	0	18.5	11.8	51.1	11.1	74.0	0
Slovakia †	718.1	116.3	0	0	0.2	586.0	702.6	10.2	5.3	0	15.5					0
Spain	1361.9			549.9			549.9			68.2	68.2			743.8	743.8	0
Turkey	996.8	692.7	10.7	1.9	0.1	18.8	724.3	13.2	27.3	0	40.5	0	0	232.1	232.1	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.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	78.2	0	0	0	0	78.2	0	2.3	0	2.3	15.3	2.4	0.5	18.3	1.2
Belarus *	100	38.2	0	0	0.3	8.2	46.6	0.4	3.9	0	4.3	2.3	46.7	0.1	49.1	0
Croatia †	100	81.2	0	0	0	12.1	93.3			6.7	6.7					0
Cyprus																
Czech Republic	100	12.3	0.4	0	0	36.1	48.8			2.6	2.6			48.5	48.5	0
Hungary	100	54.2	0	0	0	0	54.2	1.9	7.3	0	9.2	3.6	33.0	0	36.6	0
Israel †	100	83.8	0	0	0	7.5	91.3	4.3	4.4	0	8.7					0
Italy (8 of 20 regions)	100	34.7	0.2	5.1	1.3	12.3	53.5	3.9	3.3	0	7.3	3.1	36.1	0	39.2	0
Kosovo	100	86.2	0	0	0	0	86.2	0	0	0	0	13.8	0	0	13.8	0
Lithuania	100	55.5	0	0	0	0	55.5	1.2	1.4	0	2.6			41.9	41.9	0
North Macedonia	100	85.9	0.1	0	0	0	85.9	0	1.0	0	1.0	11.8	1.3	0	13.1	0
Poland †	100	95.9	0	0	0	0	95.9			4.1	4.1					0
Portugal	100			60.1			60.1			4.2	4.2	3.8	31.8	0	35.6	0
Russia	100	72.1	0	0	0	6.3	78.3	0.6	3.8	0	4.3	2.8	12.0	2.6	17.3	0
Slovakia †	100	16.2	0	0	0	81.6	97.8	1.4	0.7	0	2.2					0
Spain	100			40.4			40.4			5.0	5.0			54.6	54.6	0
Turkey	100	69.5	1.1	0.2	0	1.9	72.7	1.3	2.7	0	4.1	0	0	23.3	23.3	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.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	14	100	14	100	0	0	0	0	14	100	0	0	0	0
Belarus *	242	100	0	0	0	0	1	0.4	1	0.4	241	99.6	0	0
Croatia	98	100					3	3.1	3	3.1	95	96.9	0	0
Cyprus	13	100	5	38.5	2	15.4	0	0	7	53.8	6	46.2	0	0
Czech Republic	443	100					28	6.3	28	6.3	415	93.7	0	0
Hungary	202	100					30	14.9	30	14.9	172	85.1	0	0
Israel	415	100					271	65.3	271	65.3	124	29.9	20	4.8
Italy (8 of 20 regions)	606	100	37	6.1	55	9.1	0	0	92	15.2	481	79.4	33	5.4
Kosovo	10	100	10	100	0	0	0	0	10	100	0	0	0	0
Lithuania	82	100					3	3.7	3	3.7	79	96.3	0	0
North Macedonia	14	100	8	57.1	2	14.3	0	0	10	71.4	4	28.6	0	0
Poland	745	100					31	4.2	31	4.2	714	95.8	0	0
Portugal	393	100					41	10.4	41	10.4	352	89.6	0	0
Russia	1124	100	157	14.0	0	0	0	0	157	14.0	967	86.0	0	0
Slovakia +	131	100	15	11.5	3	2.3	0	0	18	13.7	113	86.3	0	0
Spain ☐	2702	100	240	8.9	19	0.7	0	0	259	9.6	2443	90.4	0	0
Turkey	2499	100	2042	81.7	208	8.3	0	0	2250	90.0	249	10.0	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: Slovak Centre of Organ Transplantation

☐ 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	5.0	5.0	0	0	5.0	0
Belarus *	25.8	0	0	0.1	0.1	25.7
Croatia	28.5			0.9	0.9	27.6
Cyprus	14.6	5.6	2.3	0	7.9	6.8
Czech Republic	42.2			2.7	2.7	39.6
Hungary	20.9			3.1	3.1	17.8
Israel	45.0			29.4	29.4	13.5
Italy (8 of 20 regions)	28.2	1.7	2.6	0	4.3	22.4
Kosovo	5.9	5.9	0	0	5.9	0
Lithuania	29.3			1.1	1.1	28.3
North Macedonia	6.8	3.9	1.0	0	4.8	1.9
Poland	19.4			0.8	0.8	18.6
Portugal	38.2			4.0	4.0	34.2
Russia	7.8	1.1	0	0	1.1	6.8
Slovakia +	30.3	3.5	0.7	0	4.2	26.1
Spain □	56.9	5.1	0.4	0	5.5	51.5
Turkey	29.9	24.4	2.5	0	26.9	3.0

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: Slovak Centre of Organ Transplantation

□ 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 26 registries from 15 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 (Murcia), Spain (La Rioja), Spain (Valencian Region), Sweden, and the Netherlands. In the analyses the data collected between 2015 and 2020 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 Montenegro, Romania, Serbia, and the Netherlands. 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 specialised 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
2015	33461	8127	8672	8416	8246
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
2015 *	38971	9416	10006	9833	9716
2016 *	40186	9564	10312	10188	10123
2017 *	44027	10376	11229	11239	11183
2018 *	44193	10339	11192	11373	11289
2019 *	44140	10228	11068	11480	11364
2020 *	43902	10052	10921	11526	11403
2015-2020 *	255419	59974	64729	65638	65078

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), 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 and 2020, and 94% for the incidence in 2020, and 100% in all other years)

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
2015-2016	613	126	77	163	247
2017-2018	592	122	89	138	243
2019-2020	508	91	78	110	229
2015-2016 *	719	157	92	184	286
2017-2018 *	754	146	111	175	322
2019-2020 *	666	112	97	145	312
2015-2020 *	2139	415	300	504	920

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2020, 94% in 2016, 93% in 2017-2019, and 94% in 2020)

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
2015-2016	302	149	154	44	70	11	35	15	25	73	25	61	150	39	57
2017-2018	291	143	150	35	67	18	35	23	30	76	24	36	145	29	66
2019-2020	260	114	132	35	39	17	40	15	22	47	26	37	138	34	56
2015-2016 *	350	171	190	56	81	19	39	20	31	84	27	69	171	43	71
2017-2018 *	379	173	194	43	79	22	45	27	38	98	31	44	193	36	90
2019-2020 *	350	147	167	43	49	20	47	22	27	69	32	44	191	44	76
2015-2020 *	1079	491	551	142	209	61	131	69	96	251	90	157	555	123	237

For 18 patients information on treatment modality at start was unavailable

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2020, 94% in 2016, 93% in 2017-2019, and 94% in 2020)

Table D.2.3
Incident counts by age and primary renal disease
between 2015 and 2020, at day 1

	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	658	134	107	187	230
Glomerulonephritis	385	77	50	73	185
Cystic kidney disease	232	53	42	74	63
Hereditary Nephropathy	205	64	26	32	83
Ischaemic Renal Failure	35	6	7	8	14
HUS	57	19	13	11	14
Metabolic disorders	37	7	3	10	17
Vasculitis	51	0	3	11	37
Miscellaneous	203	38	19	30	116
Missing, unknown	276	17	30	68	161

Abbreviations used: HUS: haemolytic uraemic syndrome; CAKUT: congenital anomalies of the kidney and urinary tract
Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2020, 94% in 2016, 93% in 2017-2019, and 94% in 2020)

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
2015-2016	9.2	7.8	4.4	9.6	14.9
2017-2018	8.9	7.8	5.2	8.0	14.4
2019-2020	7.6	6.0	4.6	6.2	13.3
2015-2016 *	9.1	8.3	4.5	9.2	14.4
2017-2018 *	8.5	7.0	5.0	7.7	14.3
2019-2020 *	7.6	5.5	4.4	6.3	13.7
2015-2020 *	8.4	6.9	4.6	7.7	14.1

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2020, 94% in 2016, 93% in 2017-2019, and 94% in 2020)

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	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
2015-2016	4.5	2.2	2.3	2.7	4.3	0.7	2.0	0.9	1.4	4.3	1.5	3.6	9.0	2.4	3.4
2017-2018	4.4	2.1	2.2	2.2	4.3	1.2	2.0	1.3	1.7	4.4	1.4	2.1	8.6	1.7	3.9
2019-2020	3.9	1.7	2.0	2.3	2.6	1.1	2.4	0.9	1.3	2.7	1.5	2.1	8.0	2.0	3.3
2015-2016 *	4.4	2.2	2.4	3.0	4.3	1.0	1.9	1.0	1.5	4.2	1.3	3.4	8.6	2.2	3.6
2017-2018 *	4.3	2.0	2.2	2.1	3.8	1.1	2.0	1.2	1.7	4.3	1.4	1.9	8.6	1.6	4.0
2019-2020 *	4.0	1.7	1.9	2.1	2.4	1.0	2.1	1.0	1.2	3.0	1.4	1.9	8.4	1.9	3.3
2015-2020 *	4.2	1.9	2.2	2.4	3.5	1.0	2.0	1.1	1.5	3.8	1.4	2.4	8.5	1.9	3.6

For 18 patients information on treatment modality at start was unavailable

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2020, 94% in 2016, 93% in 2017-2019, and 94% in 2020)

Table D.2.6
Incidence per million age-related population by age and primary renal disease
between 2015 and 2020, at day 1

	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	2.6	2.2	1.7	2.8	3.5
Glomerulonephritis	1.5	1.3	0.8	1.1	2.8
Cystic kidney disease	0.9	0.9	0.6	1.1	1.0
Hereditary Nephropathy	0.8	1.1	0.4	0.5	1.3
Ischaemic Renal Failure	0.1	0.1	0.1	0.1	0.2
HUS	0.2	0.3	0.2	0.2	0.2
Metabolic disorders	0.1	0.1	0.0	0.2	0.3
Vasculitis	0.2	0.0	0.0	0.2	0.6
Miscellaneous	0.8	0.6	0.3	0.5	1.8
Missing, unknown	1.1	0.3	0.5	1.0	2.5

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

Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2020, 94% in 2016, 93% in 2017-2019, and 94% in 2020)

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
2015	2036	176	340	596	924
2016	2091	174	350	589	978
2017	2141	164	365	591	1021
2018	2155	179	349	600	1027
2019	2149	162	364	583	1040
2020	2151	143	373	585	1050
2015 *	2362	203	414	675	1070
2016 *	2486	203	439	681	1163
2017 *	2636	198	452	718	1268
2018 *	2649	217	431	732	1269
2019 *	2625	189	435	737	1264
2020 *	2643	171	441	740	1291

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2015, 96% in 2016, 97% 2017, 96% in 2018-2020)

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
2015	286	136	1570	32	58	82	40	28	268	77	21	484	137	29	736
2016	275	144	1622	35	56	79	45	20	280	58	37	477	137	31	786
2017	277	144	1676	32	50	80	45	27	289	61	33	488	139	34	819
2018	277	156	1683	26	63	87	36	29	282	73	32	487	142	32	827
2019	291	136	1698	29	53	80	44	25	293	76	31	472	142	27	853
2020	283	122	1730	34	41	68	39	18	316	58	25	497	152	38	849
2015 *	314	158	1846	36	65	98	49	33	328	79	25	557	150	35	863
2016 *	320	169	1947	43	63	93	52	27	355	67	41	556	158	38	943
2017 *	376	186	2024	40	57	98	53	35	359	87	41	578	196	53	989
2018 *	392	200	2014	31	74	108	49	38	341	104	43	576	208	45	989
2019 *	405	174	2021	35	62	92	55	28	350	112	45	575	203	39	1004
2020 *	404	165	2058	40	50	81	50	25	366	91	37	607	223	53	1004

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2015, 96% in 2016, 97% 2017, 96% in 2018-2020)

Table D.3.3
Prevalent counts by age and primary renal disease
prevalent patients on December 31, 2020

	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	931	55	163	280	433
Glomerulonephritis	399	26	71	103	199
Cystic kidney disease	314	24	47	89	154
Hereditary Nephropathy	290	31	72	76	111
Ischaemic Renal Failure	52	1	9	20	22
HUS	79	3	15	23	38
Metabolic disorders	68	6	5	24	33
Vasculitis	31	0	3	7	21
Miscellaneous	200	16	32	44	108
Missing, unknown	279	9	24	74	172

Abbreviations used: HUS: haemolytic uraemic syndrome; CAKUT: congenital anomalies of the kidney and urinary tract
 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
2015	60.8	21.7	39.2	70.8	112.1
2016	62.4	21.8	40.3	69.4	117.3
2017	64.0	20.8	42.3	69.1	121.7
2018	64.5	23.1	40.7	69.4	121.5
2019	64.2	21.1	42.9	66.5	121.5
2020	64.4	19.0	44.5	66.1	121.5
2015 *	60.6	21.6	41.4	68.6	110.1
2016 *	61.7	21.2	42.5	66.7	114.7
2017 *	59.7	19.0	40.1	63.7	113.0
2018 *	59.8	20.9	38.4	64.2	112.1
2019 *	59.3	18.4	39.2	64.0	110.9
2020 *	60.1	17.0	40.3	64.1	113.0

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2015, 96% in 2016, 97% 2017, 96% in 2018-2020)

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	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx	HD	PD	Tx
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
2015	8.5	4.1	46.9	3.9	7.1	10.1	4.6	3.2	30.9	9.1	2.5	57.5	16.6	3.5	89.3
2016	8.2	4.3	48.4	4.4	7.0	9.9	5.2	2.3	32.2	6.8	4.4	56.2	16.4	3.7	94.2
2017	8.3	4.3	50.1	4.1	6.4	10.2	5.2	3.1	33.5	7.1	3.9	57.1	16.6	4.1	97.6
2018	8.3	4.7	50.3	3.3	8.1	11.2	4.2	3.4	32.9	8.4	3.7	56.4	16.8	3.8	97.8
2019	8.7	4.1	50.7	3.8	6.9	10.4	5.2	2.9	34.5	8.7	3.5	53.9	16.6	3.2	99.7
2020	8.5	3.7	51.8	4.5	5.5	9.0	4.6	2.1	37.7	6.6	2.8	56.2	17.6	4.4	98.3
2015 *	8.1	4.1	47.4	3.8	6.9	10.4	4.9	3.3	32.8	8.0	2.5	56.6	15.4	3.6	88.8
2016 *	7.9	4.2	48.4	4.5	6.6	9.7	5.0	2.6	34.4	6.6	4.0	54.5	15.6	3.7	93.0
2017 *	8.5	4.2	45.8	3.8	5.5	9.4	4.7	3.1	31.9	7.7	3.6	51.2	17.5	4.7	88.1
2018 *	8.8	4.5	45.5	3.0	7.1	10.4	4.4	3.4	30.4	9.1	3.8	50.5	18.4	4.0	87.4
2019 *	9.2	3.9	45.7	3.4	6.0	9.0	5.0	2.5	31.5	9.7	3.9	50.0	17.8	3.4	88.1
2020 *	9.2	3.8	46.8	4.0	5.0	8.0	4.6	2.3	33.5	7.9	3.2	52.6	19.5	4.6	87.9

* Additionally including data from Montenegro since 2018, Romania since 2017 (coverage from 97% in 2017 to 95% in 2020), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018-2020), and the Netherlands (coverage 100% in 2015, 96% in 2016, 97% 2017, 96% in 2018-2020)

Table D.3.6
Prevalence per million age-related population by age and primary renal disease
prevalent patients on December 31, 2020

	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	21.2	5.5	14.9	24.3	37.9
Glomerulonephritis	9.1	2.6	6.5	8.9	17.4
Cystic kidney disease	7.1	2.4	4.3	7.7	13.5
Hereditary Nephropathy	6.6	3.1	6.6	6.6	9.7
Ischaemic Renal Failure	1.2	0.1	0.8	1.7	1.9
HUS	1.8	0.3	1.4	2.0	3.3
Metabolic disorders	1.5	0.6	0.5	2.1	2.9
Vasculitis	0.7		0.3	0.6	1.8
Miscellaneous	4.5	1.6	2.9	3.8	9.5
Missing, unknown	6.3	0.9	2.2	6.4	15.1

Abbreviations used: HUS: haemolytic uraemic syndrome; CAKUT: congenital anomalies of the kidney and urinary tract
 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 a quality management system with standard operating procedures for data collection, data storage, data analysis, and the production of the annual report. The quality management system has been certified according to the ISO 9001:2000 norm since 2004, according to the ISO 9001:2008 norm since 2010 and according to the ISO 9001:2015 norm since 2016. In addition, ISO 27001 certification for information security management was obtained in 2018.

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 Spain presented in Section B of this report are based on separate data sets received from 16 of 19 regions: Andalusia, Aragon, Asturias, Basque country, Canary Islands, Cantabria, Castile and León, Castile-La Mancha, Catalonia, Community of Madrid, Extremadura, Galicia, La Rioja, Murcia, Navarre, and Valencian region.

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 2021. For the following registries data were only available until 31st December 2020: France, Montenegro, Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), 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 relational and event-driven database possible. The new data, provided by the national and regional registries, replaced all existing data in the ERA Registry database. In this way changes in the data sets made by the national and regional registries were adopted by the ERA Registry. The import utility performed extensive logging and the logging-results were used to provide the national and regional registries with feedback concerning inconsistencies or other problems identified in the data.

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 2020
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	Men	Women
	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 17 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*, Lithuania, North Macedonia, Poland, Portugal, Russia, Slovakia, Spain, and Turkey.

Data from Italy are based on eight of the 20 regions: Calabria, Emilia-Romagna, Liguria, Marche, Piedmont, Puglia, Trentino-Alto Adige, and Veneto.

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.

**This designation is without prejudice to positions on status, and is in line with UNSCR 1244/99 and the ICJ Opinion on the Kosovo declaration of independence*

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

The incidence and prevalence tables were based on 35 data sets from national or regional registries from 18 countries that provided individual patient data for 2020, including Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (La Rioja), Spain (Murcia), Spain (Navarre), Spain (Valencian region), Sweden, Switzerland, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

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, 2021, 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 2020, when compared to patients who started KRT in the last three months of 2020.

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 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 (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:

- 2011-2015 - for the presentation of 90-day, one-, two- and five-year survival probabilities.
- 2014-2018 - for the presentation of 90-day, one- and two-year survival probabilities.

31st December 2020 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. In the unadjusted survival analysis the cells in the tables were left blank when there were less than 100 patients in that cell.

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, it was decided to adjust for fixed values for a number of variables in the survival analyses to make the results comparable across time periods. The fixed values of variables used for the survival tables are shown in Table 6.

In the tables presenting the adjusted survival probabilities, cells with less than 100 patients were left empty. 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% men	24% Diabetes 19% Hypertension / renal vascular disease 11% Glomerulonephritis 46% Other causes
Patients on dialysis	67 years	63% men	24% Diabetes 19% Hypertension / renal vascular disease 11% Glomerulonephritis 46% Other causes
First transplant recipients (deceased donor)	50 years	63% men	14% Diabetes 10% Hypertension / renal vascular disease 23% Glomerulonephritis 53% Other causes
First transplant recipients (living donor)	50 years	63% men	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 2016 to 2020. Consequently, the data of the following national or regional registries from 12 countries were suitable 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 (La Rioja), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England, Northern Ireland and Wales), 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 26 national or regional registries from 15 countries that provided complete individual patient data in their paediatric population for 2015 to 2020, 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, and the Netherlands. For Romania the coverage decreased from 97% in 2017 to 95% in 2020, and for the Netherlands the coverage was 94% for the incidence and 96% for the prevalence in 2016, 93% for the incidence and 97% for the prevalence in 2017, 93% for the incidence in 2018 and 2019, and 96% for the prevalence in 2018, 2019 and 2020, and 94% for the incidence in 2020, and 100% in all other years, and for Serbia the coverage decreased from 100% in 2016 to 97% in 2017 and 90% in 2018, 2019 and 2020.

Serbia provided data since 2016, and Montenegro since 2018, and Spain (La Rioja) since 2019. 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 2015 and 2020. The cohorts 2015-2016, 2017-2018 and 2019-2020 were presented twice, once including and once excluding the countries with a limited follow-up to allow for a comparison over time. 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 2015 to 2020 and were presented twice, once including and once excluding the above mentioned countries and periods to allow for a comparison over time. The prevalence on KRT by primary renal disease was calculated for patients prevalent on 31st December, 2020.

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-Globalerular basement membrane (GBM) disease / Goodpasture's syndrome - histologically proven
1464	Anti-Globalerular 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	+	+	+	-	+
Greece	+	+	+	-	+
Hungary	-	-	-	+	-
Iceland	+	+	+	-	+
Israel	-	-	-	+	-
Italy (8 of 20 regions)	-	-	-	+	-
Kosovo	-	-	-	+	-
Lithuania	-	-	-	+	-
Montenegro	+	-	-	-	+
North Macedonia	-	-	-	+	-
Norway	+	+	+	-	+
Poland	-	-	-	+	-
Portugal	-	-	-	+	-
Romania	+	-	-	-	+
Russia	-	-	-	+	-
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	+	+	+	-	+
Turkey	-	-	-	+	-
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

December 2022

