



Annual
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ERA-EDTA Registry
Annual Report 2019

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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-EDTA	European Renal Association - European Dialysis and Transplant 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
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
RRT	Renal replacement therapy
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 renal replacement therapy for end-stage renal disease during the calendar year on which this annual report is based.

Modality: the method of renal replacement therapy. Renal 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 renal replacement therapy for end-stage renal disease on 31st December 2019.

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

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

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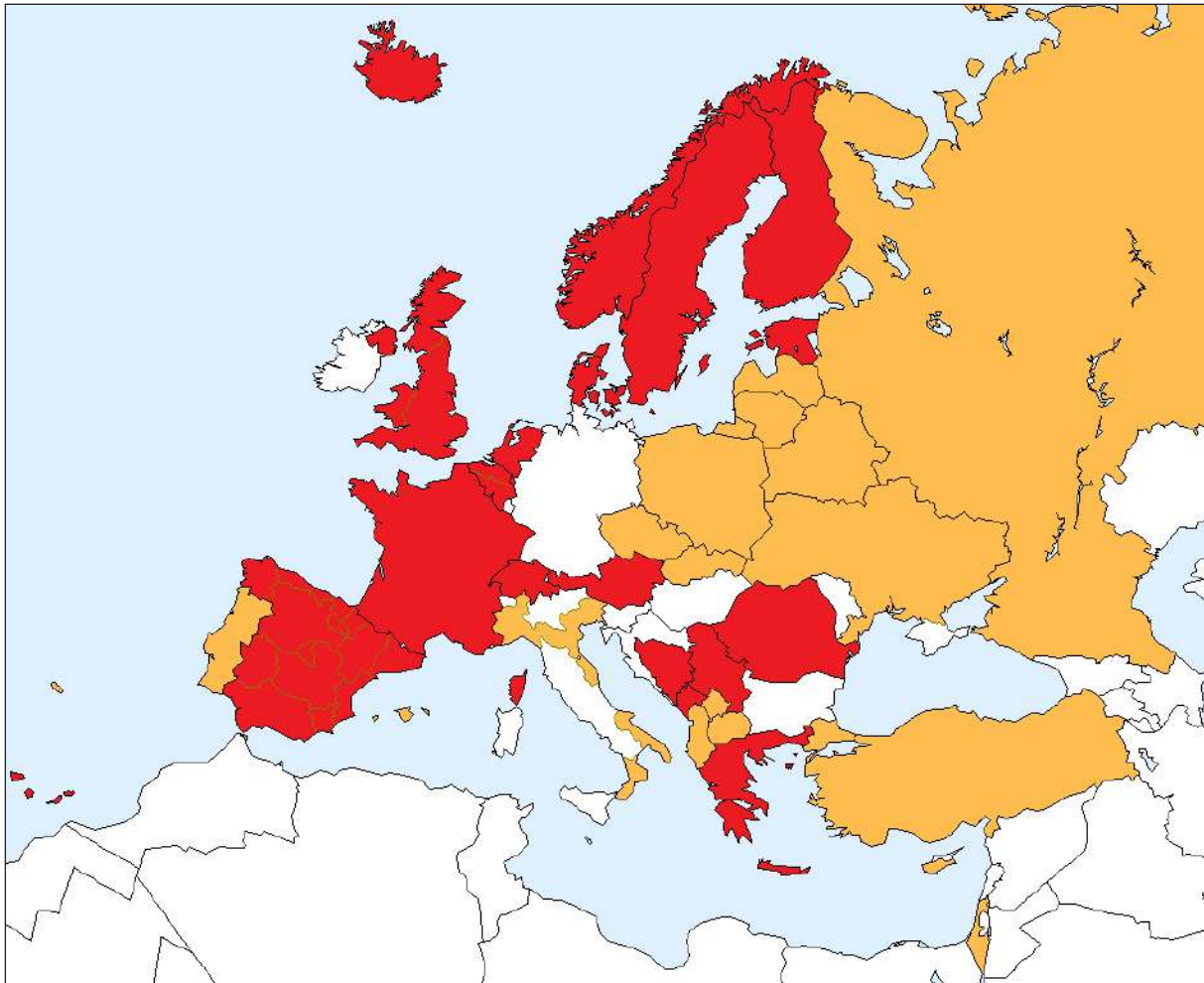
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Introduction

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



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I Introduction

The ERA-EDTA Registry collects data on renal replacement therapy (RRT) via the national and regional renal registries in Europe and countries bordering the Mediterranean Sea. For this 2019 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 RRT 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 RRT 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 age comparisons were added to Section A. In A7 the incidence, prevalence, kidney transplant activity and survival are presented for five age groups separately. In addition, this year for the first time, the Spanish region La Rioja was included with individual patient data.

ERA-EDTA Registry website

The ERA-EDTA Registry annual reports and other information about the Registry can be downloaded from the ERA-EDTA website: www.era-edta.org/en/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 the 2018 version of the ERA-EDTA Registry Primary Renal Disease Codes.

ESPN/ERA-EDTA Registry website

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

Section A: Summary data and age comparisons

A1 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2019, AT DAY 1

Table A.1.1
Summary data on the incidence of RRT in 2019, unadjusted

	General population covered by the registry in thousands	Incidence in 2019, at day 1					
		All N	All Pmp	Mean Age	Median Age	DM N	DM Pmp
Albania	2833	356	126	60.0	62.5	73	26
Austria §	8859	1200	135	65.5	68.9	284	32
Belarus	9466	883	93			187	20
Belgium, Dutch-speaking *	6618	1254	189	70.6	73.5	234	35
Belgium, French-speaking *	4871	997	205	67.3	69.4	227	47
Bosnia and Herzegovina	3531	391	111	63.5	64.9	114	32
Cyprus	888	252	284	69.0	73.0	107	120
Czech Republic †	10480	2267	216				
Denmark	5871	634	108	62.0	66.1	168	29
Estonia	1327	98	74	59.2	62.8	21	16
Finland	5522	530	96	62.2	66.0	158	29
France	67249	11417	170	67.8	70.6	2674	40
Greece	10722	2883	269	71.7	74.4	749	70
Iceland	361	39	108	63.1	66.3	3	8
Israel	9053	1790	198	66.1	69.4	836	92
Italy (8 of 20 regions)	22431	3703	165	69.5	72.3	568	25
Kosovo	1688	192	114	59.5	61.5	71	42
Latvia	1297	121	93	62.1	65.0	32	25
Lithuania	2794	315	113	65.1	64.0	62	22
Montenegro *	622	70	113	61.3	64.7	17	27
North Macedonia	2076	380	183	64.9	66.0	94	45
Norway	5348	606	113	63.7	68.0	113	21
Poland	38383	5865	153			1840	48
Portugal ¶	10277	2673	260			872	85
Romania	19100	3643	191	62.9	65.0	432	23
Russia †	143814	12602	88			2837	20
Serbia	6251	511	82	61.8	64.8	130	21
Slovakia †	4644	566	122	64.2	66.0	174	37
Spain (All)	47026	7133	152	63.4	67.9	1740	37
Spain, Andalusia	8453	1272	150	63.9	66.9	344	41
Spain, Aragon	1325	177	134	65.2	68.9	49	37
Spain, Asturias	1021	173	170	68.0	69.0	44	43
Spain, Basque country	2184	277	127	64.6	68.4	66	30
Spain, Canary Islands	2222	392	176	64.7	67.0	128	58
Spain, Cantabria *	582	75	129	66.1	67.9	20	34
Spain, Castile and León *	2400	319	133	68.1	69.9	85	35
Spain, Castile-La Mancha *	2040	237	116	66.4	69.4	73	36
Spain, Catalonia	7675	1403	183	65.9	69.5	236	31
Spain, Community of Madrid	6663	823	124	64.4	67.4	215	32
Spain, Extremadura	1068	154	144	65.2	67.0	37	35
Spain, Galicia	2702	464	172	65.7	67.8	125	46
Spain, La Rioja	315	28	89	66.7	72.1	9	29
Spain, Murcia	1494	244	163	65.5	68.9	61	41
Spain, Navarre *	653	102	156	68.4	71.5	24	37
Spain, Valencian region	5004	849	170	66.2	69.0	194	39
Sweden	10279	1164	113	64.0	68.1	271	26
Switzerland	8575	848	99	66.1	69.3	171	20
the Netherlands	16131	1939	120	63.7	67.2	363	23
Turkey ‡	83155	12518	151			560	56
Ukraine	41984	1675	40	52.9	54.0	399	10
United Kingdom, England	56287	6889	122	61.1	64.1	1815	32
United Kingdom, Northern Ireland	1894	207	109	61.0	63.0	42	22
United Kingdom, Scotland	5463	566	104	58.3	60.8	166	30
United Kingdom, Wales	3153	402	128	62.0	65.4	144	46
All countries	680322	89579	132	64.9	67.9	18748	28

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

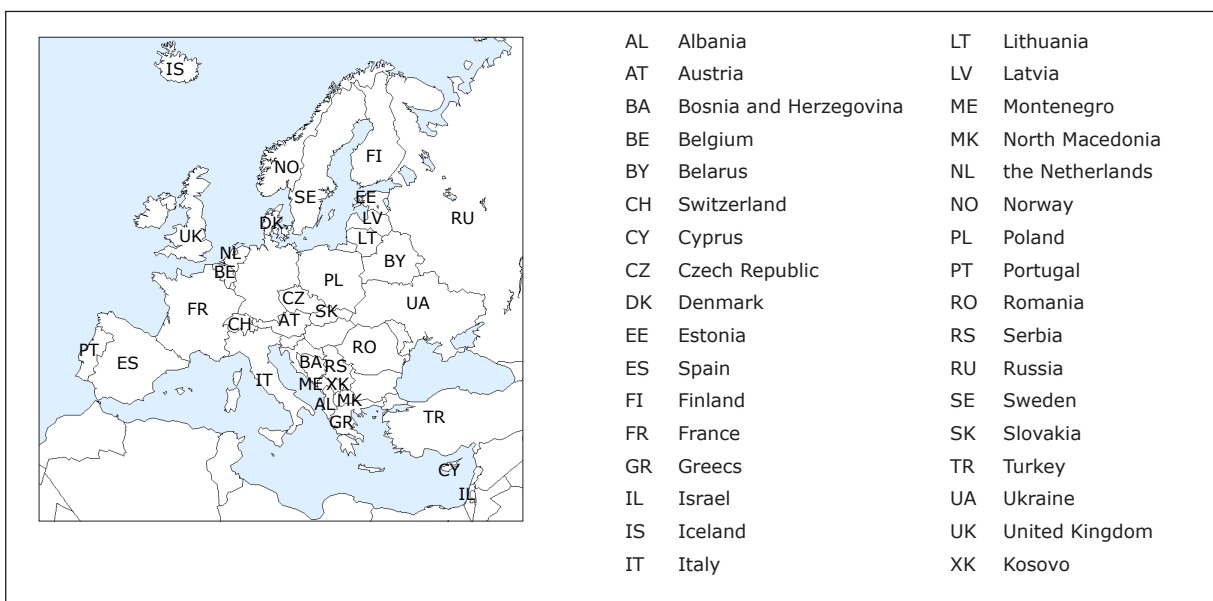
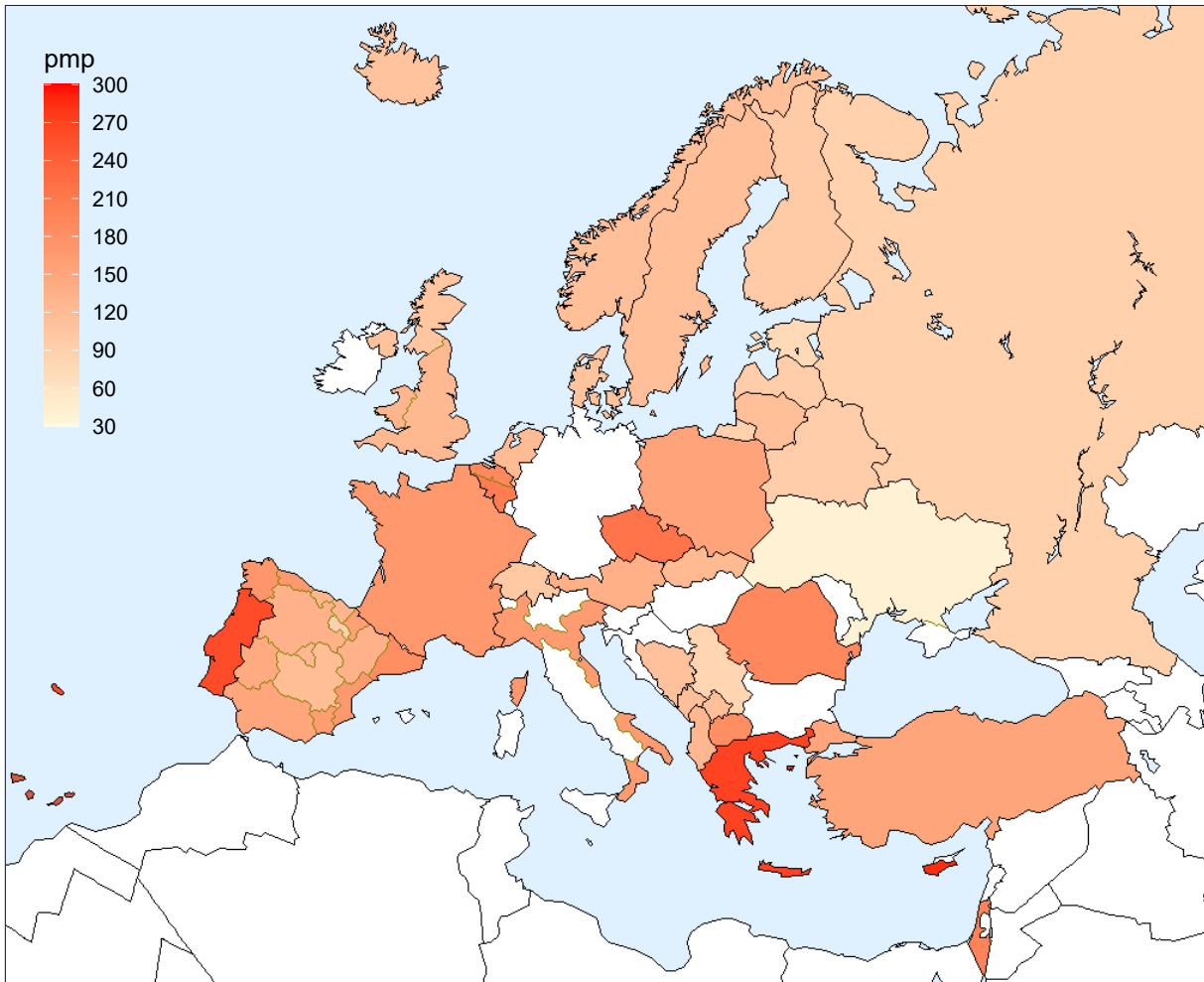
* Patients younger than 20 years of age are not reported: the true incidence counts are therefore slightly higher than the counts reported here

† Data include dialysis patients only

¶ Data on the incidence of primary renal disease are available for dialysis patients only (98.8%, total N=2673)

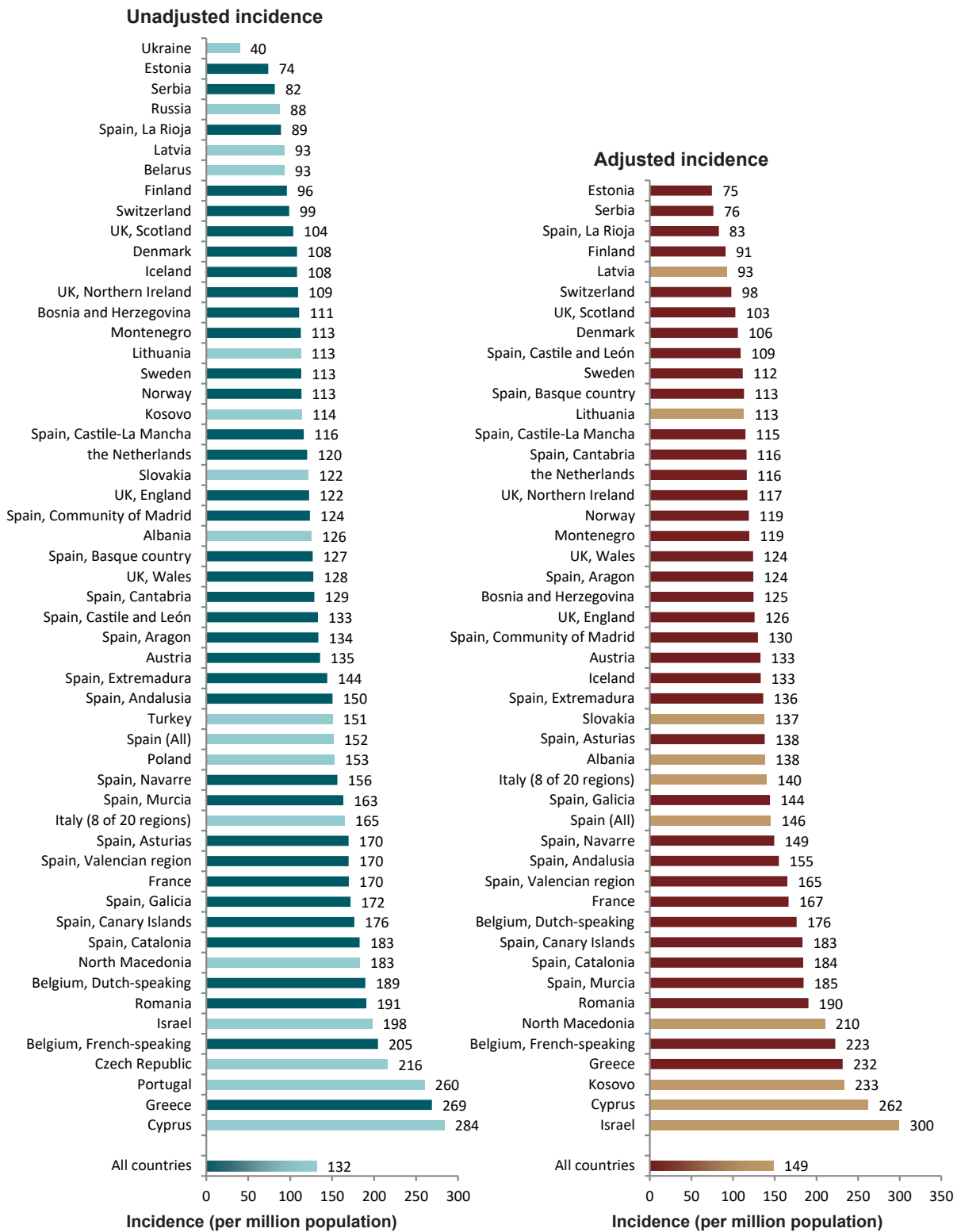
‡ Data on the incidence of primary renal disease (DM) is based on 1498 dialysis patients (12.0% of total)

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

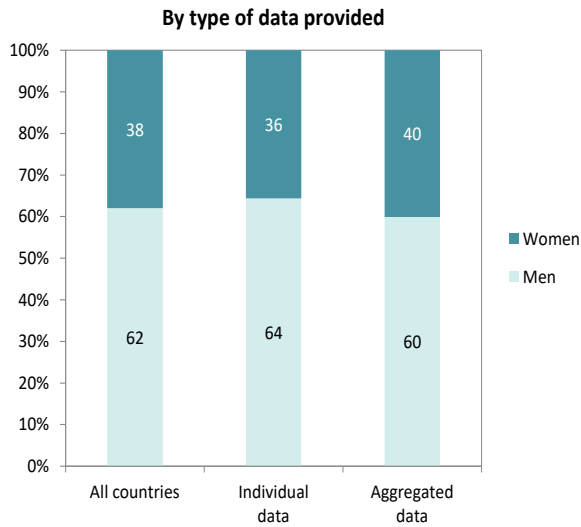


Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

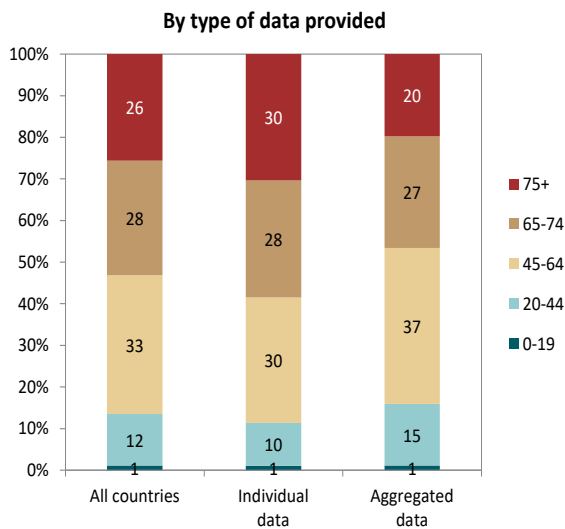
Detailed information on the contents of this figure can be found in tables B.2.2 and B.2.4 for registries providing individual patient data, and in tables C.2.2 and C.2.4 for registries providing aggregated data.

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

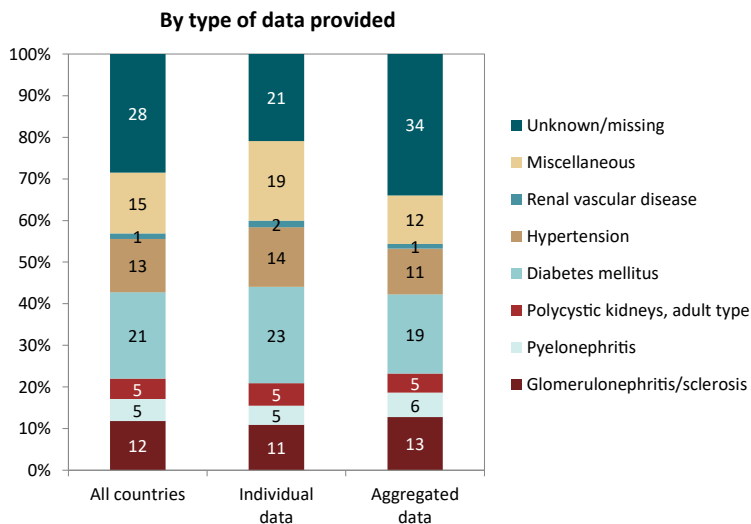
Figure A.1.3
Sex, age, and primary renal disease distribution by type of data provided, unadjusted at day 1



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

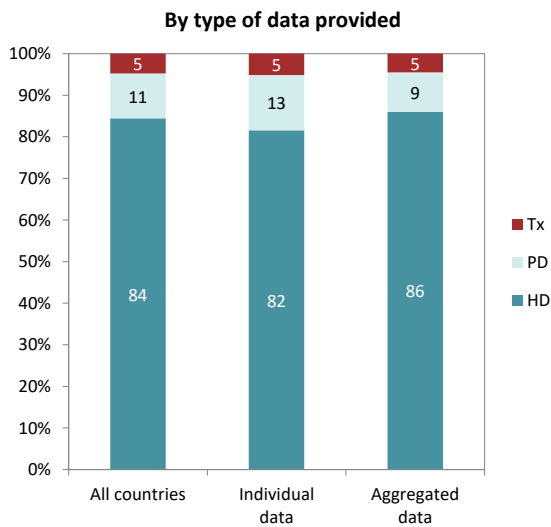


This figure summarizes the data presented in tables B.2.1 and C.2.1.



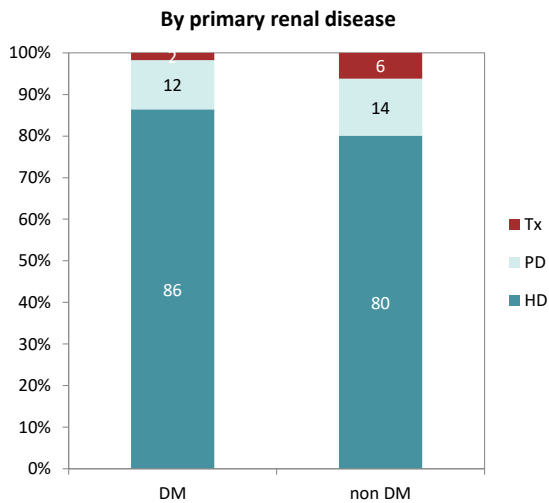
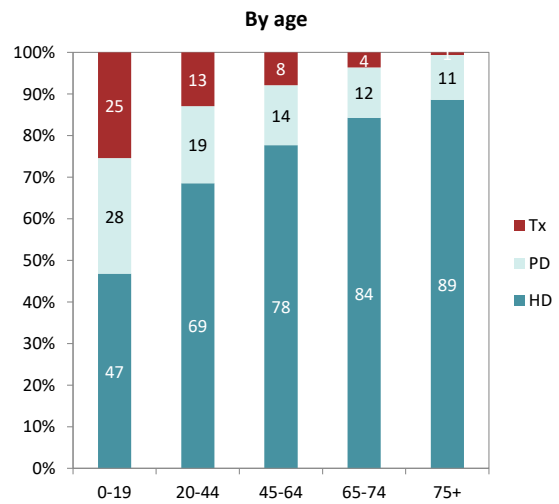
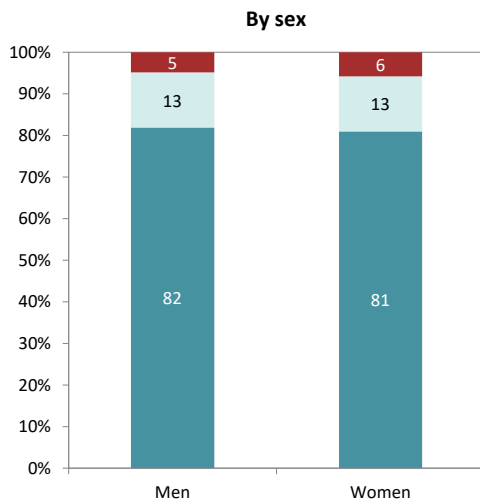
This figure summarizes the data presented in tables B.2.5 and C.2.5.

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.

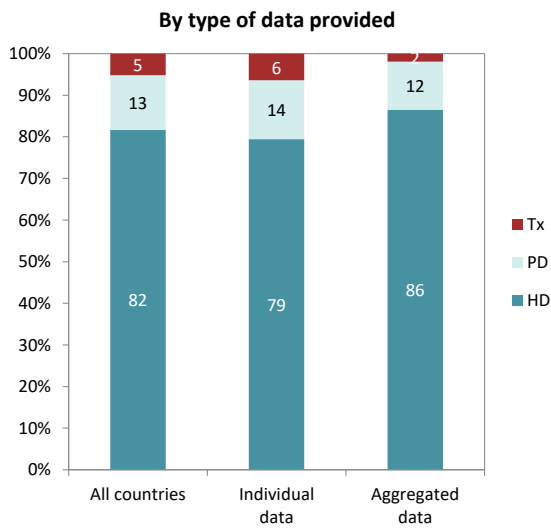
The figures below are only based on data from registries providing individual patient data.



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

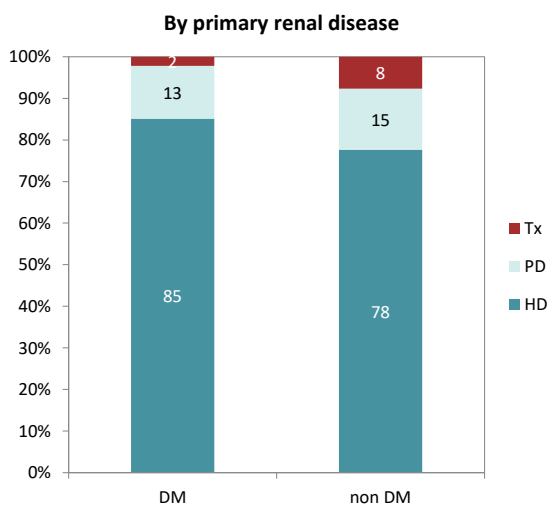
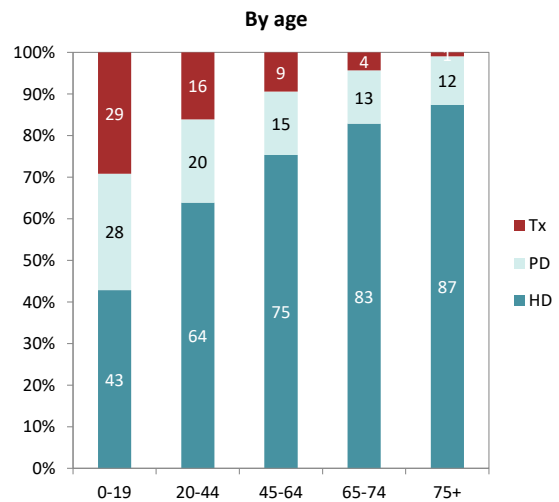
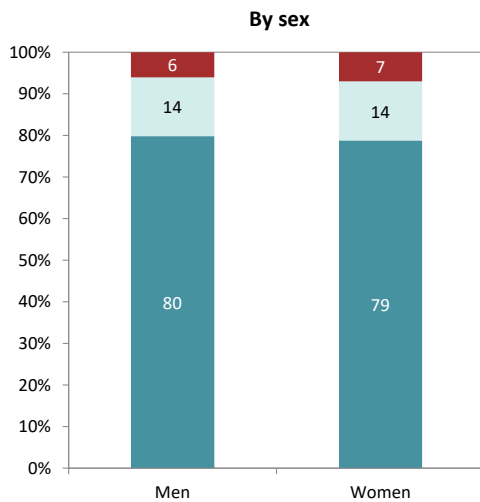
Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; DM: diabetes mellitus

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 RRT on 31 December 2019, unadjusted

	General population covered by the registry in thousands	Prevalent patients on RRT in 2019					
		All N	All Pmp	Mean Age	Median Age	DM N	DM Pmp
Albania	2833	1706	602	51.9	53.0	352	124
Austria §	8859	9250	1044	62.4	63.7	1407	159
Belarus	9466	3948	417			515	54
Belgium, Dutch-speaking *	6618	8648	1307	66.6	68.5	1431	216
Belgium, French-speaking *	4871	6658	1367	65.3	67.0	1194	245
Bosnia and Herzegovina	3531	2695	763	60.2	62.0	543	154
Cyprus	888						
Czech Republic	10480	11543	1101				
Denmark	5871	5591	952	59.1	60.5	943	161
Estonia	1327	1040	784	58.8	59.5	195	147
Finland	5522	5198	941	59.9	62.4	1300	235
France	67249	92512	1376	63.4	65.5	15299	227
Greece	10722	15153	1413	65.8	68.0	2903	271
Iceland	361	292	810	57.4	58.8	32	89
Israel &	9053	6839	755	67.0	69.0	3239	358
Italy (8 of 20 regions)	22431	28622	1276	63.3	65.4	2992	133
Kosovo	1688	792	469	60.1	61.0	248	147
Latvia	1297	1040	802	56.1	58.0	119	92
Lithuania	2794	2424	868				
Montenegro *	622	234	376	58.5	60.5	41	66
North Macedonia	2076	1853	893	59.8	61.0	329	158
Norway	5348	5369	1004	60.2	62.5	746	139
Poland &	38383	21339	556			6211	162
Portugal # □	10277	20640	2008	67.5		3694	359
Romania	19100	22236	1164	63.2	65.0	2222	116
Russia	143814	59106	411			10752	75
Serbia	6251	5495	879	60.5	62.9	956	153
Slovakia &	4644	3161	681	64.7	67.0	904	195
Spain (All)	47026	64311	1368	60.7	64.0	10566	225
Spain, Andalusia	8453	10943	1295	61.2	62.5	1793	212
Spain, Aragon	1325	1800	1358	64.4	66.1	322	243
Spain, Asturias	1021	1438	1409	64.4	65.6	255	250
Spain, Basque country	2184	2767	1267	62.2	64.4	342	157
Spain, Canary Islands	2222	3409	1534	62.5	63.6	944	425
Spain, Cantabria *	582	668	1148	63.3	64.8	102	175
Spain, Castile and León *	2400	3149	1312	65.5	66.5	552	230
Spain, Castile-La Mancha *	2040	2526	1238	63.6	64.5	424	208
Spain, Catalonia	7675	11551	1505	63.4	65.1	1630	212
Spain, Community of Madrid	6663	8017	1203	62.5	63.9	1439	216
Spain, Extremadura	1068	1358	1272	62.7	63.2	213	199
Spain, Galicia	2702	3994	1478	63.5	64.9	699	259
Spain, La Rioja	315	393	1249	62.4	64.7	47	149
Spain, Murcia	1494	2128	1424	62.6	63.7	320	214
Spain, Navarre *	653	896	1372	63.8	65.7	138	211
Spain, Valencian region	5004	7914	1582	63.8	65.8	1160	232
Sweden	10279	10240	996	60.3	62.4	1786	174
Switzerland	8575	8298	968	62.8	64.7	1259	147
the Netherlands	16651	17886	1074	61.1	63.1	2386	143
Turkey ‡	83155	83783	1008			2381	371
Ukraine	41984	10250	244	53.4	55.0	1614	38
United Kingdom, England	56287	58406	1038	58.2	59.3	10242	183
United Kingdom, Northern Ireland	1894	1966	1038	58.2	59.0	282	150
United Kingdom, Scotland	5463	5435	995	57.2	58.5	942	172
United Kingdom, Wales	3153	3361	1066	58.9	60.5	607	193
All countries	680842	607320	893	61.8	60.5	90633	154

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

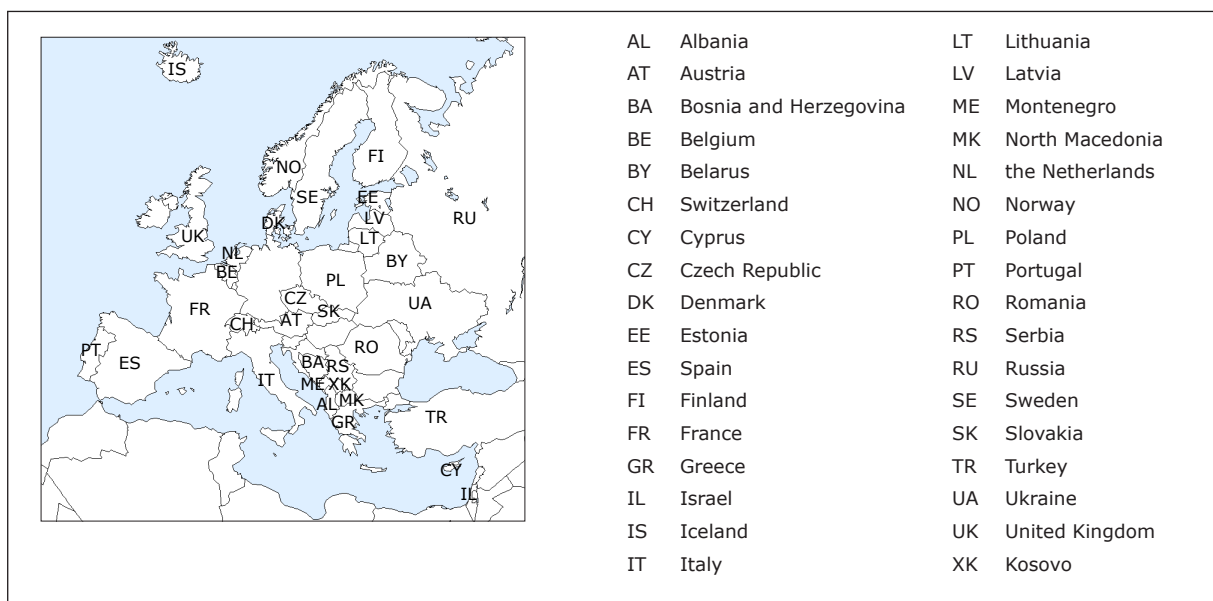
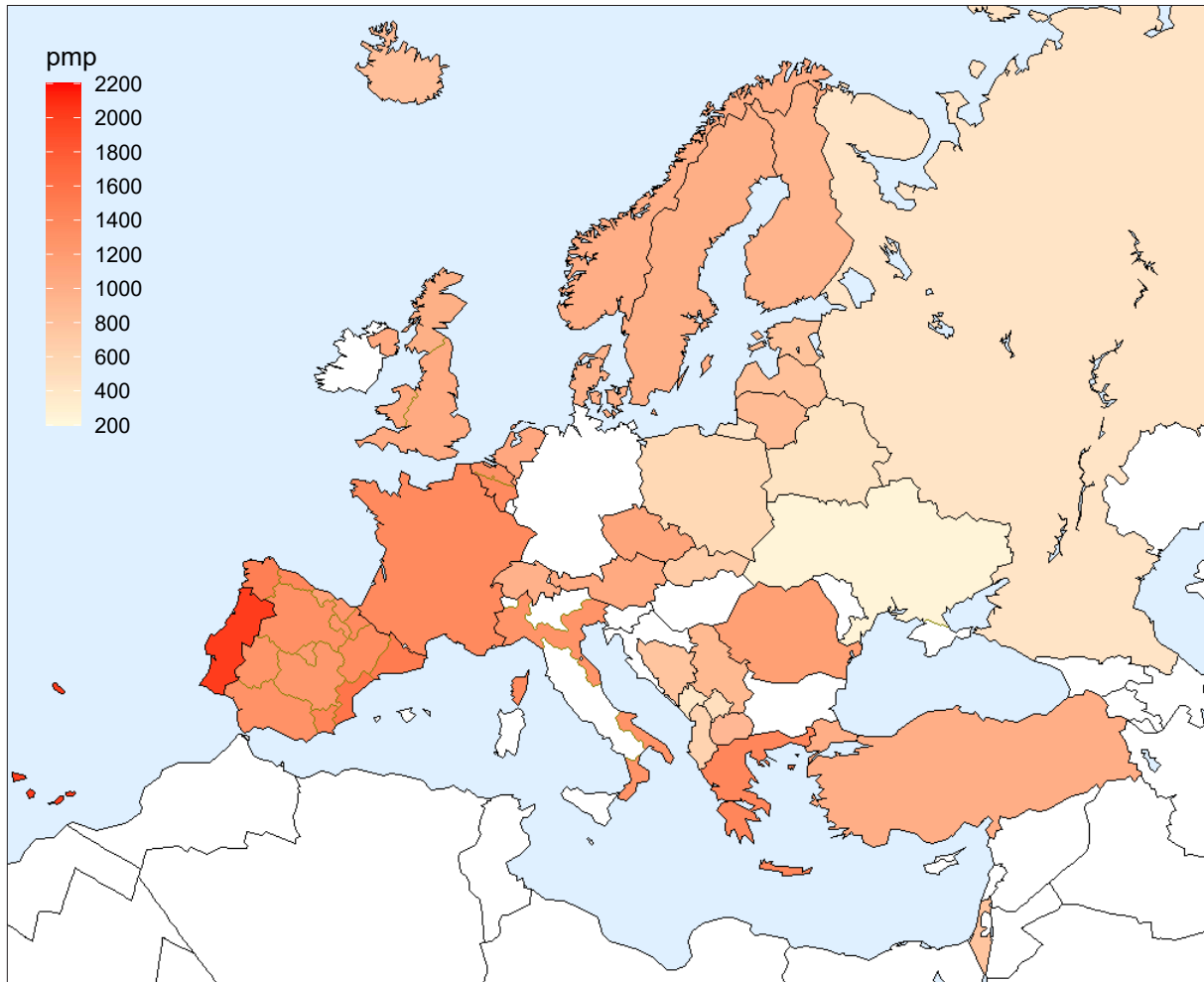
& Data on prevalence include dialysis patients only

Data on mean age include dialysis patients only

□ Data on primary renal disease are available for dialysis patients only (64.8%, total N=20640)

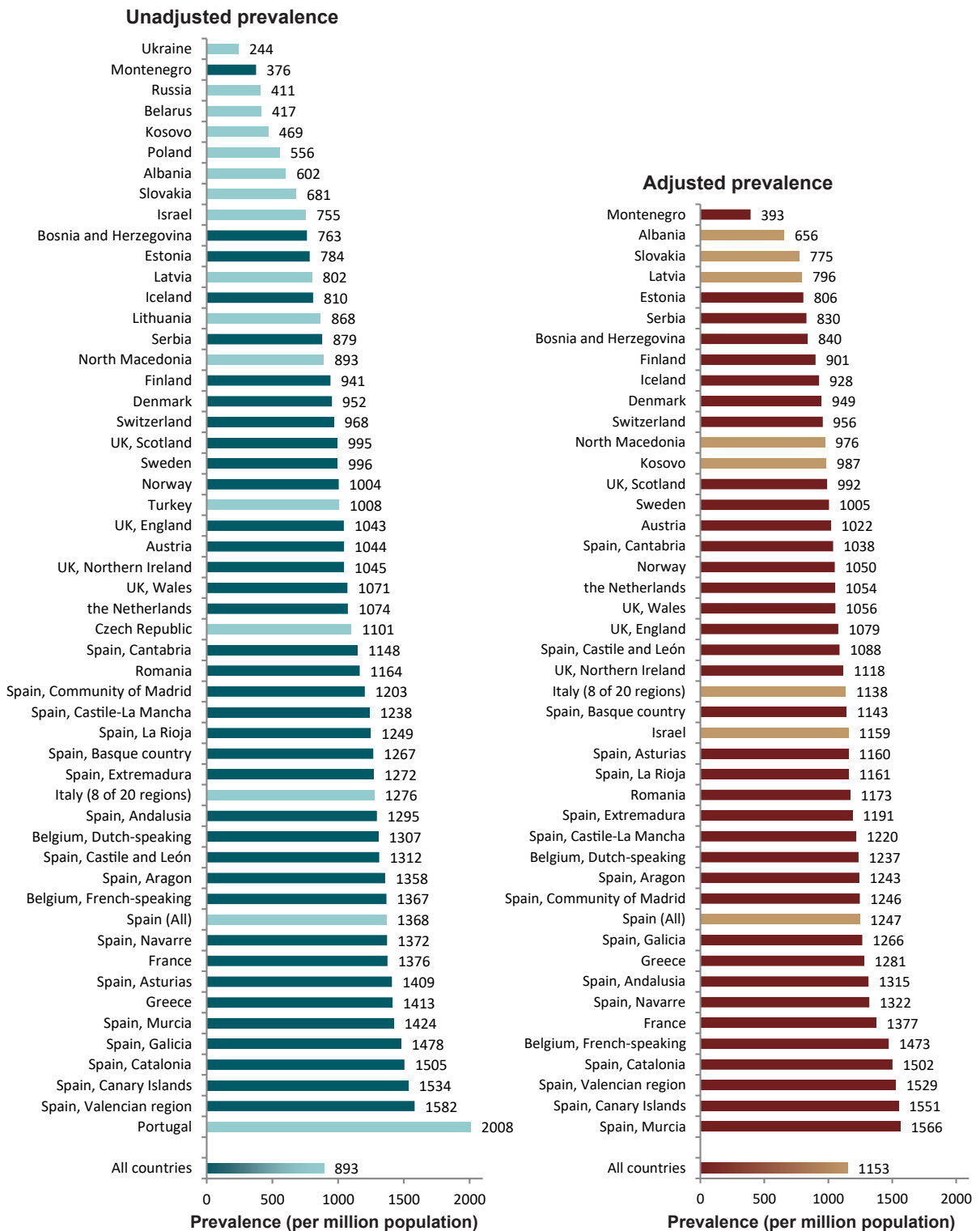
‡ Data on the prevalence of primary renal disease (DM) is based on 6460 dialysis patients (7.6% of total)

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.

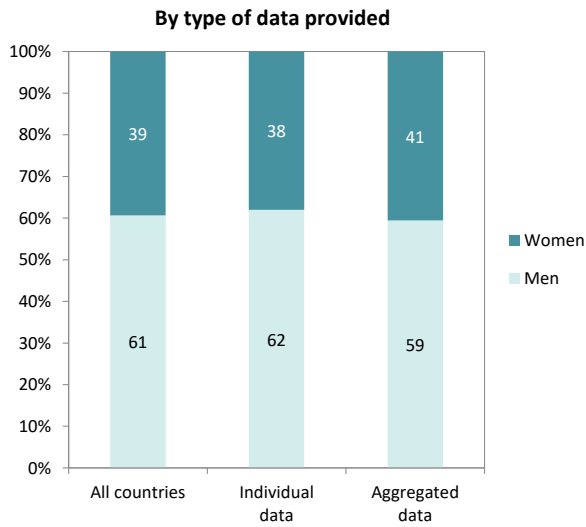
Figure A.3.2
Prevalence per million population by country / region, unadjusted and adjusted
prevalent patients on December 31



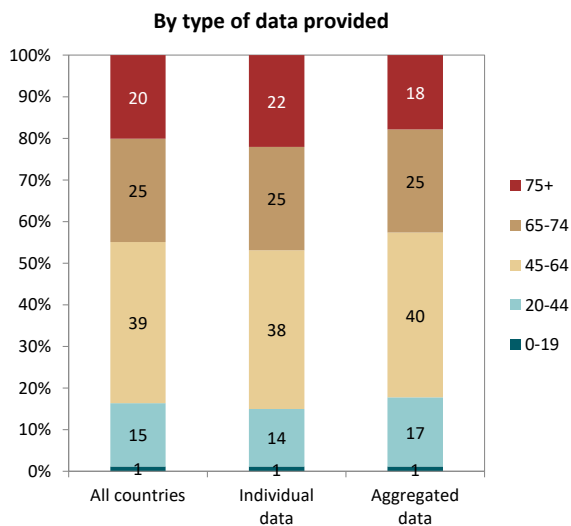
Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

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.

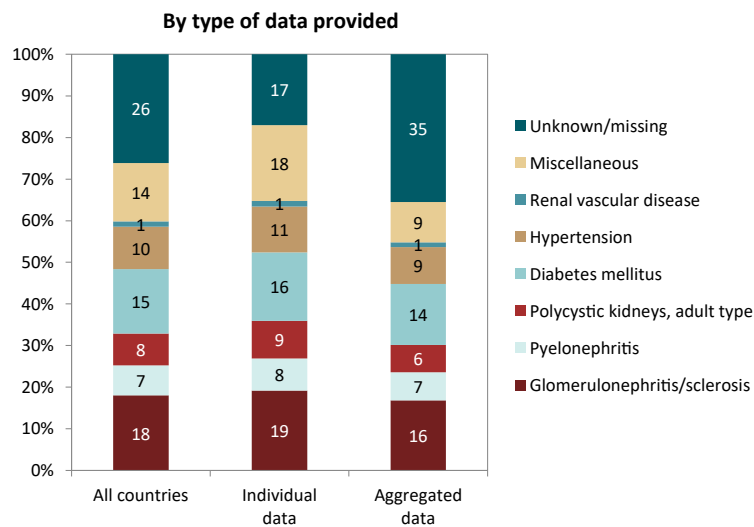
Figure A.3.3
Sex, age, and primary renal disease distribution by type of data provided, unadjusted
prevalent patients on December 31



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

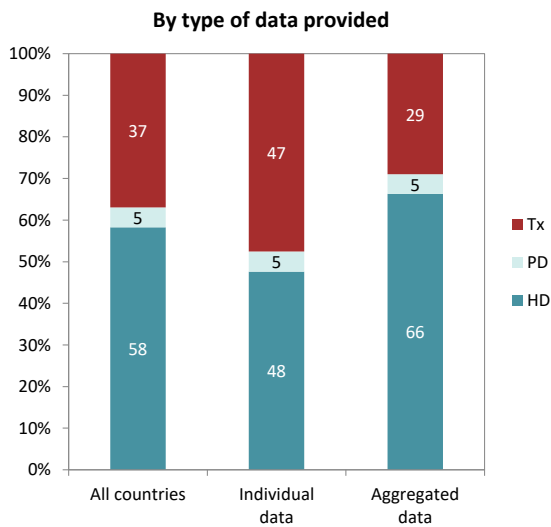


This figure summarizes the data presented in tables B.4.1 and C.4.1.



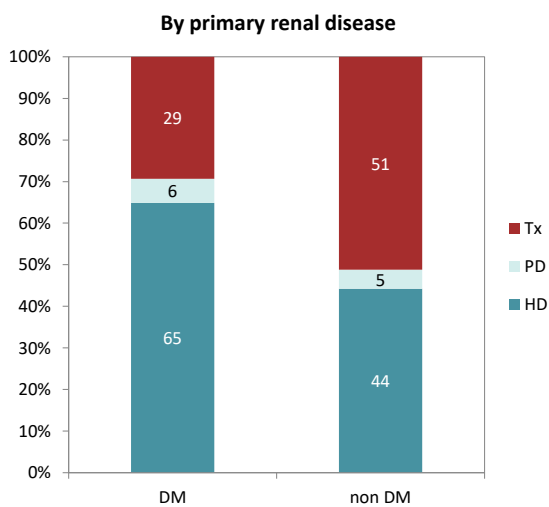
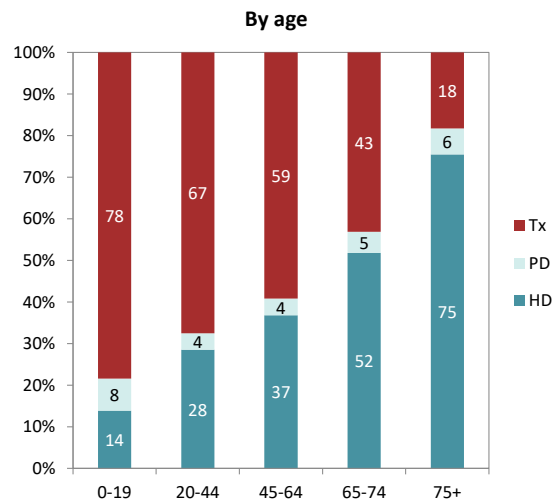
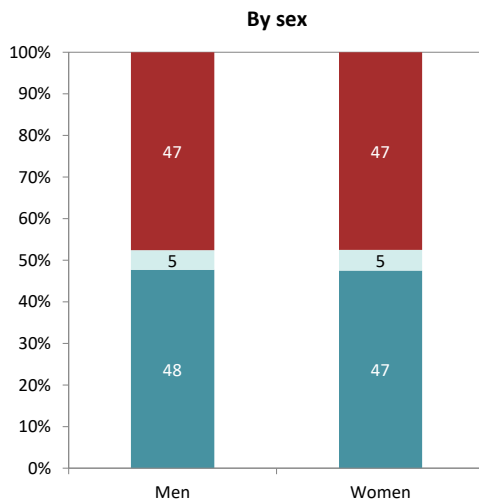
This figure summarizes the data presented in tables B.4.5 and C.4.5.

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.

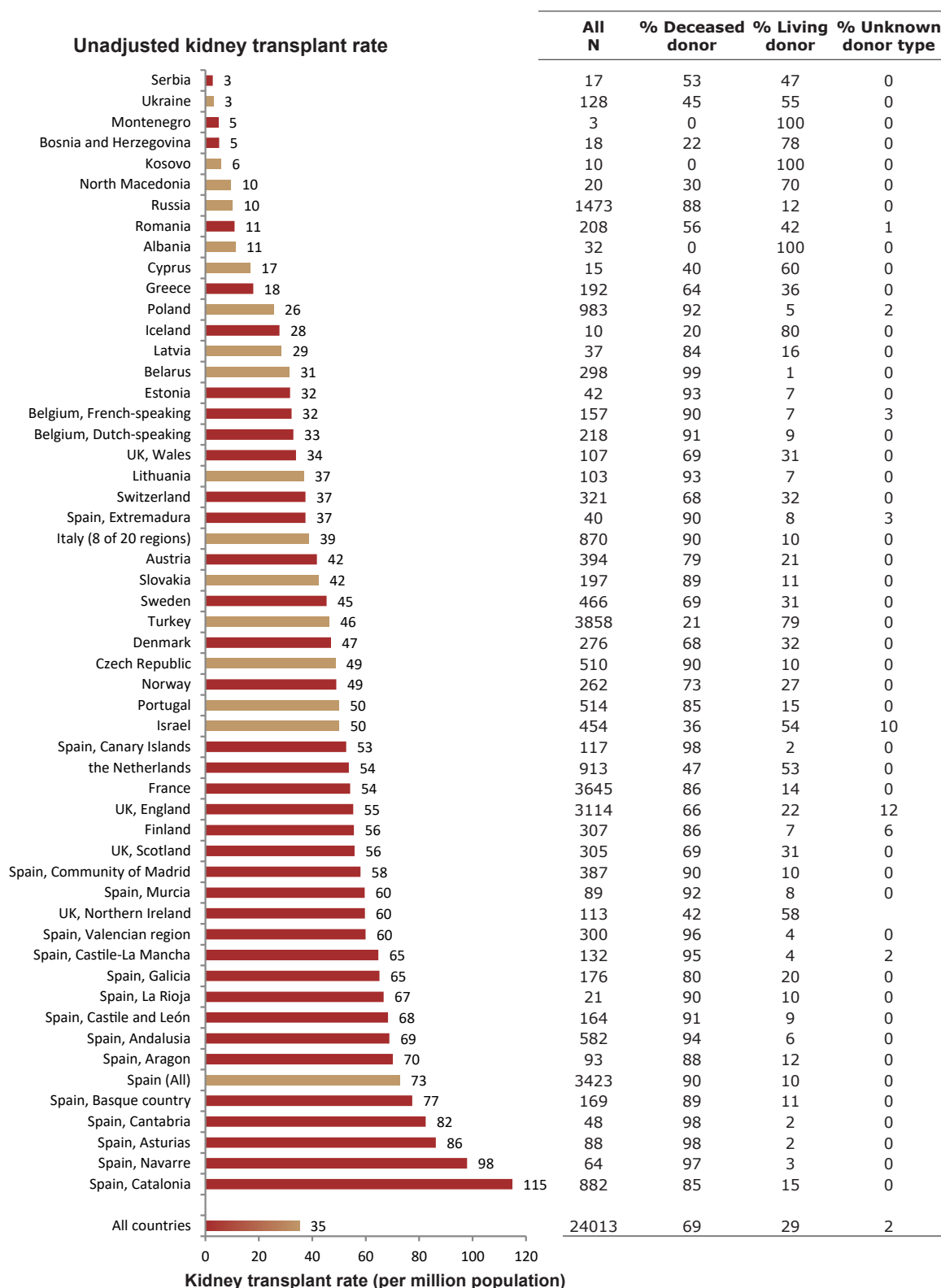
The figures below are only based on data from registries providing individual patient data.



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

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

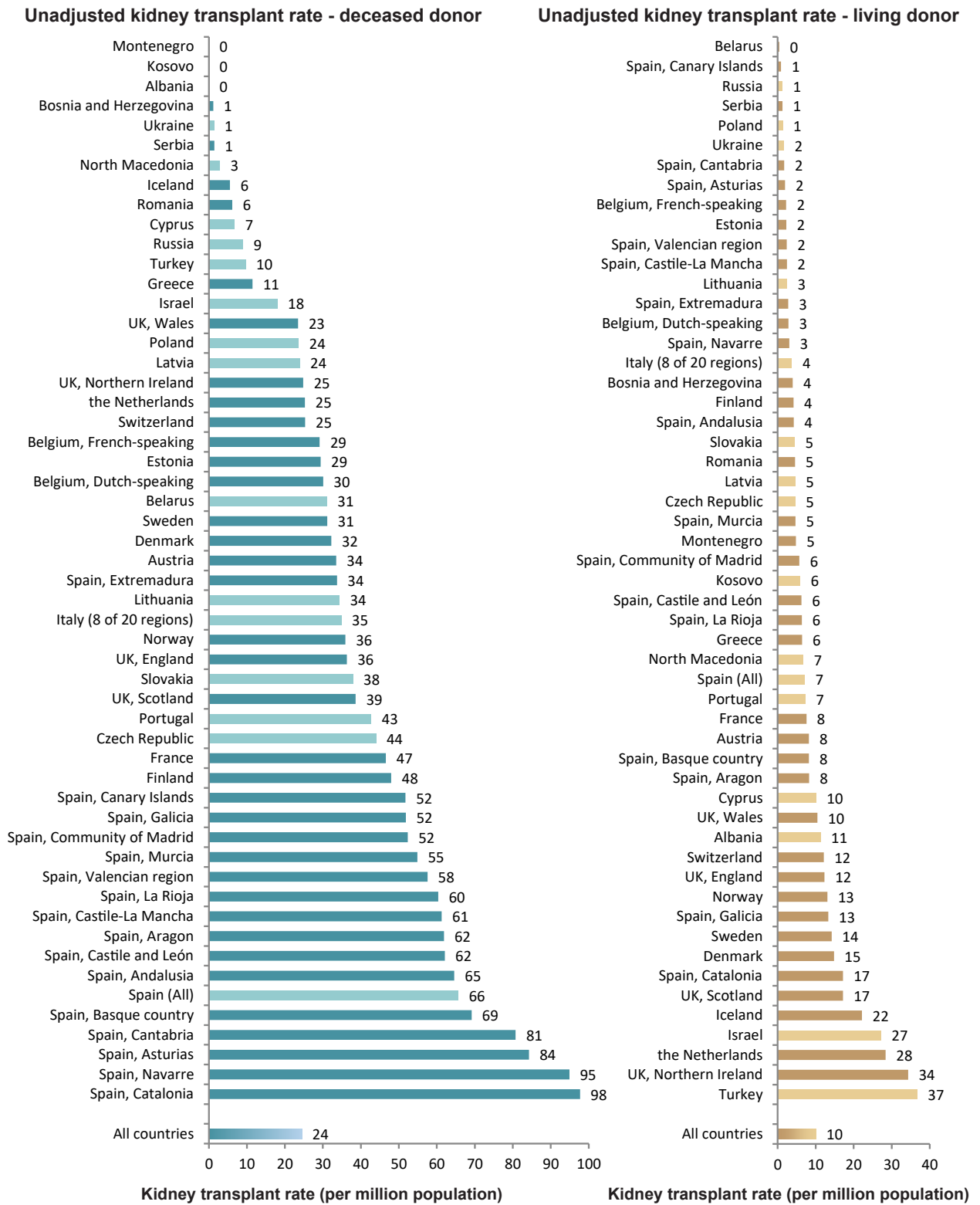
Figure A.4.1
Kidney transplant counts and per million population by country / region, unadjusted



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.

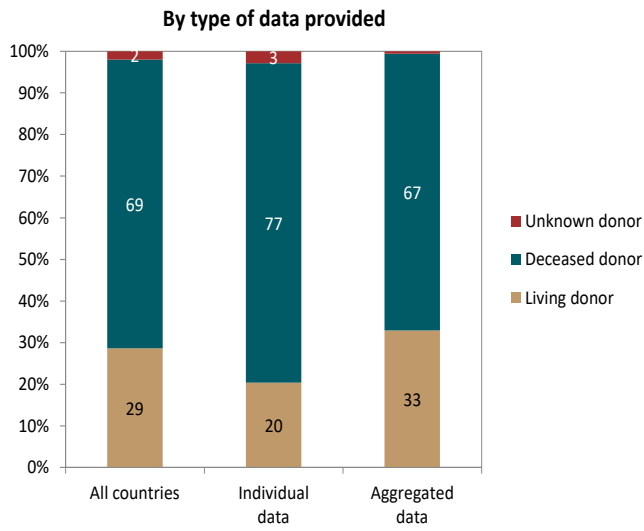
Figure A.4.2
Kidney transplants per million population by donor type and by country / region, unadjusted



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 RRT / dialysis, or from day of transplant*

	Survival probabilities as % (95% CI)				
	cohort 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
Patient survival on RRT					
Unadjusted	84.5 (84.4-84.7)	74.5 (74.3-74.8)	51.9 (51.6-52.1)	85.6 (85.4-85.7)	76.0 (75.8-76.2)
Adjusted †	87.3 (87.2-87.5)	78.2 (78.0-78.4)	54.1 (53.8-54.3)	88.1 (87.9-88.2)	79.3 (79.1-79.5)
Patient survival on dialysis					
Unadjusted	83.5 (83.3-83.6)	72.0 (71.8-72.2)	42.3 (42.1-42.6)	84.5 (84.3-84.7)	73.4 (73.2-73.6)
Adjusted †	85.7 (85.6-85.9)	75.5 (75.2-75.7)	47.4 (47.1-47.7)	86.9 (86.7-87.1)	77.1 (76.9-77.3)
Patient survival after first kidney transplantation (deceased donor)					
Unadjusted	96.2 (96.0-96.4)	94.0 (93.8-94.3)	86.6 (86.3-87.0)	96.3 (96.1-96.5)	94.2 (94.0-94.5)
Adjusted ††	98.0 (97.8-98.1)	96.7 (96.6-96.9)	92.3 (92.0-92.6)	98.0 (97.9-98.2)	96.9 (96.7-97.1)
Graft survival after first kidney transplantation (deceased donor)					
Unadjusted	90.7 (90.4-91.0)	87.6 (87.3-88.0)	77.7 (77.3-78.1)	91.3 (91.0-91.6)	88.3 (88.0-88.6)
Adjusted ††	92.6 (92.3-92.9)	90.0 (89.7-90.4)	81.6 (81.2-82.0)	93.2 (92.9-93.4)	90.7 (90.4-91.0)
Patient survival after first kidney transplantation (living donor)					
Unadjusted	99.1 (98.9-99.2)	98.1 (97.9-98.4)	94.4 (93.9-94.8)	98.9 (98.7-99.0)	98.1 (97.8-98.3)
Adjusted ††	99.2 (99.1-99.4)	98.4 (98.2-98.7)	95.1 (94.7-95.6)	99.1 (98.9-99.2)	98.4 (98.2-98.7)
Graft survival after first kidney transplantation (living donor)					
Unadjusted	96.8 (96.4-97.1)	95.1 (94.6-95.4)	88.6 (88.0-89.1)	96.7 (96.4-97.0)	95.3 (94.9-95.7)
Adjusted ††	96.6 (96.2-96.9)	94.8 (94.3-95.2)	87.9 (87.3-88.5)	96.5 (96.2-96.8)	95.0 (94.6-95.4)

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

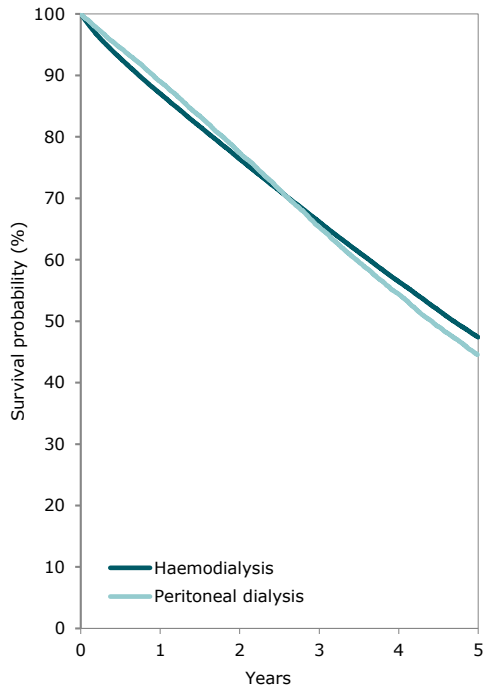
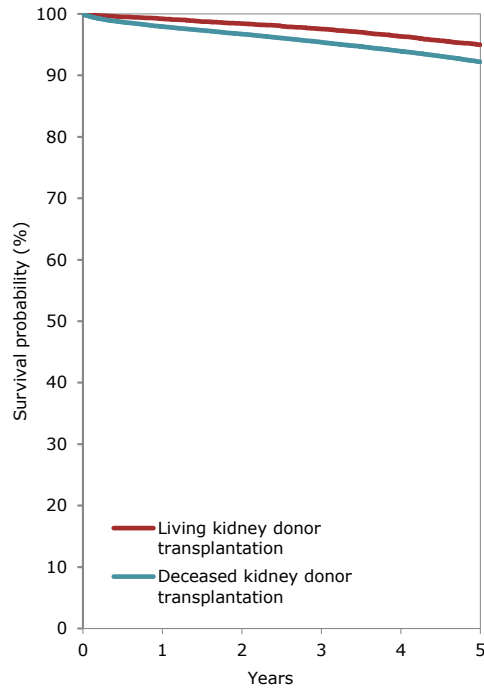


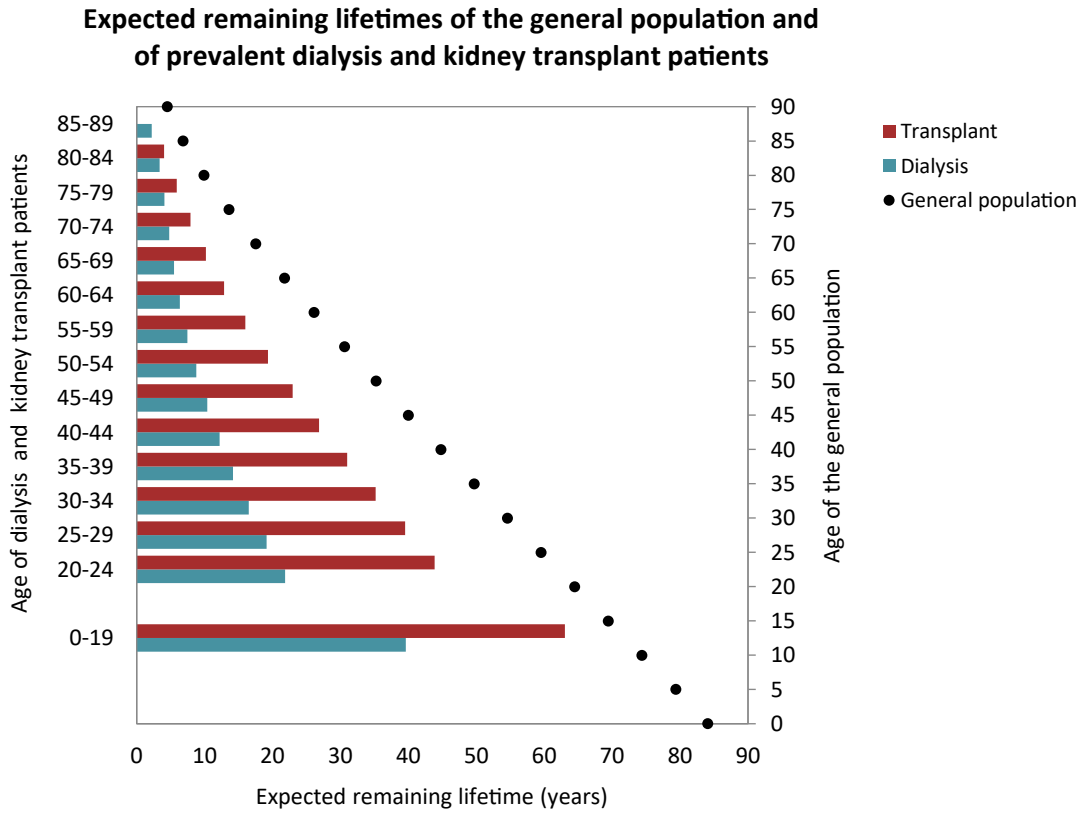
Figure A.5.2
Patient survival by donor type:
Patients receiving a first kidney transplant
from day of transplant, adjusted for age, sex, and primary renal disease



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 2010 and 2014 from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 2015-2019) and of prevalent dialysis and kidney transplant patients (cohort 2015-2019)
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, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile 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 age-related population by age, unadjusted
at day 1

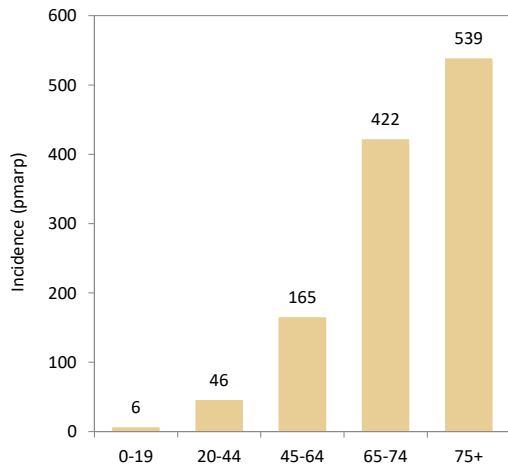


Figure A.7.2
Sex, primary renal disease and treatment modality distribution by age in incident patients, unadjusted
at day 1

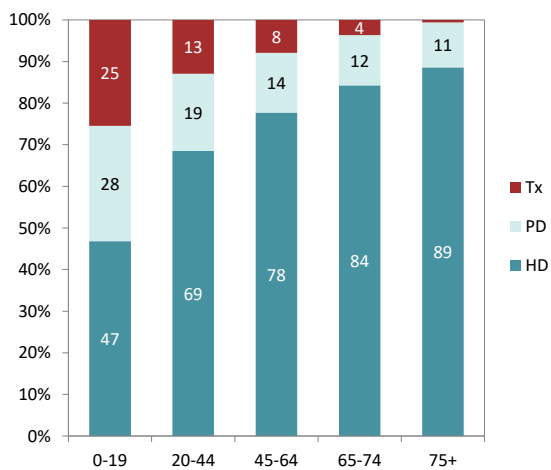
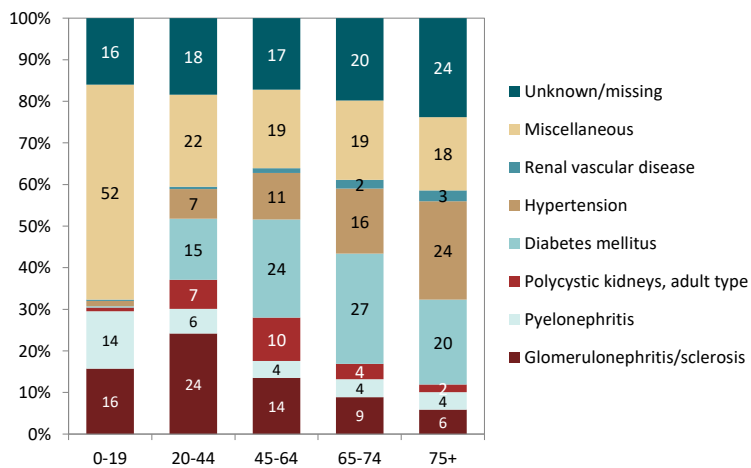
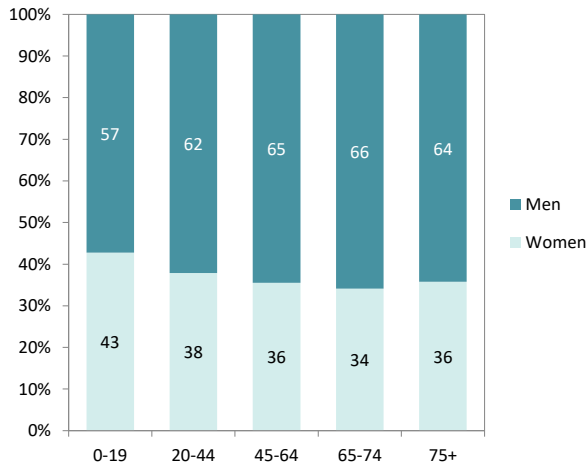


Figure A.7.3
Prevalence per million age-related population by age, unadjusted
prevalent patients on December 31

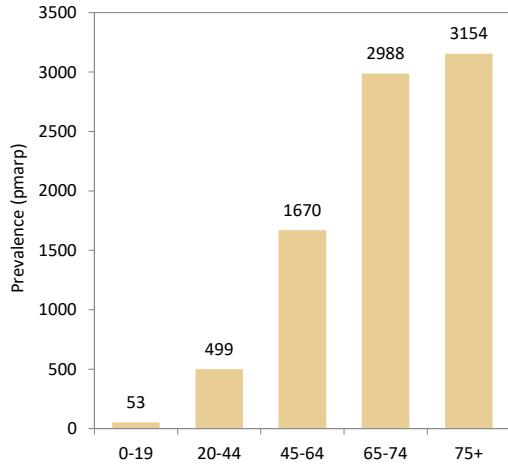


Figure A.7.4
Sex, primary renal disease and treatment modality distribution by age in prevalent patients, unadjusted
prevalent patients on December 31

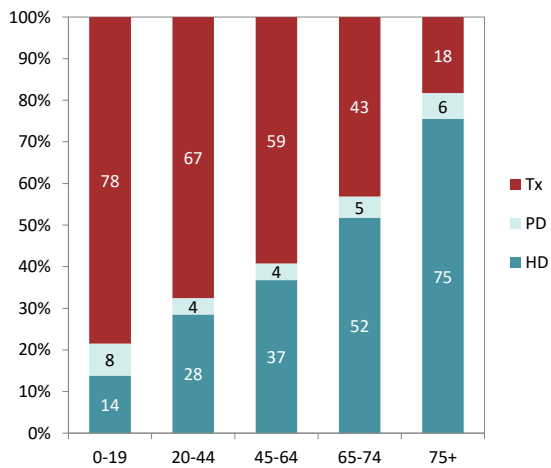
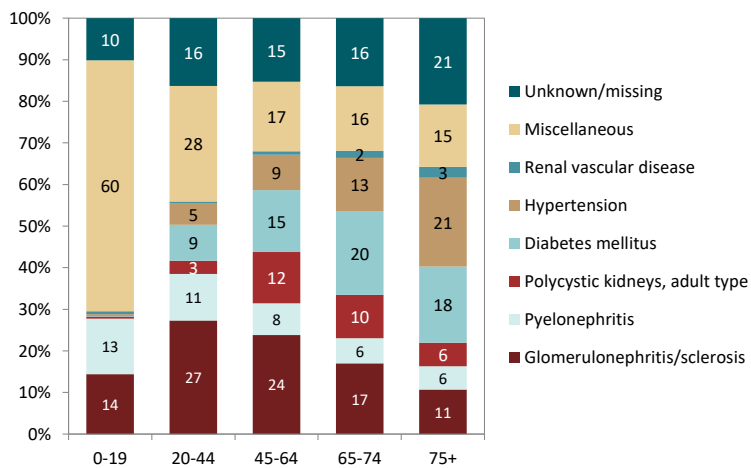
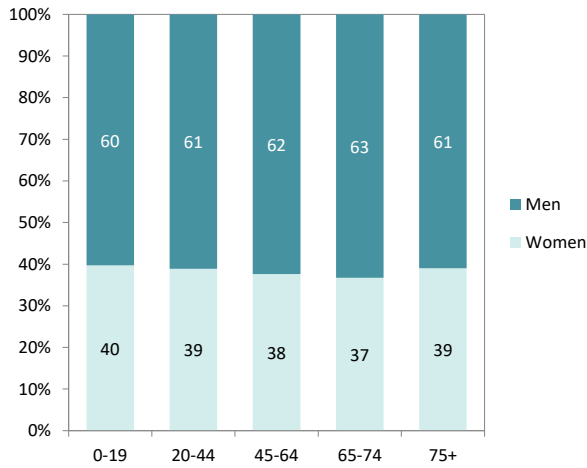
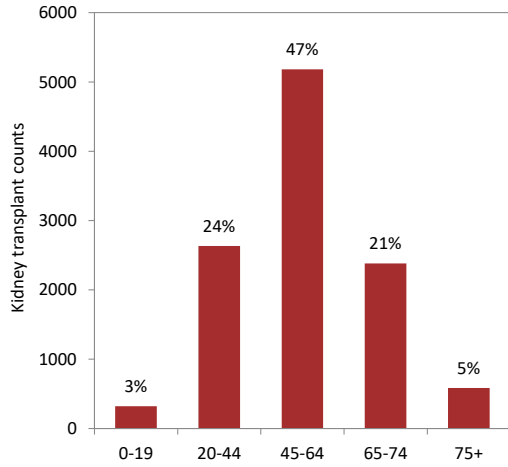


Figure A.7.5
Kidney transplant counts and percentages by recipient age, unadjusted



The percentages in this figure sum up to 100% for all age groups together

Figure A.7.6
Donor type distribution by age in kidney transplant recipients, unadjusted

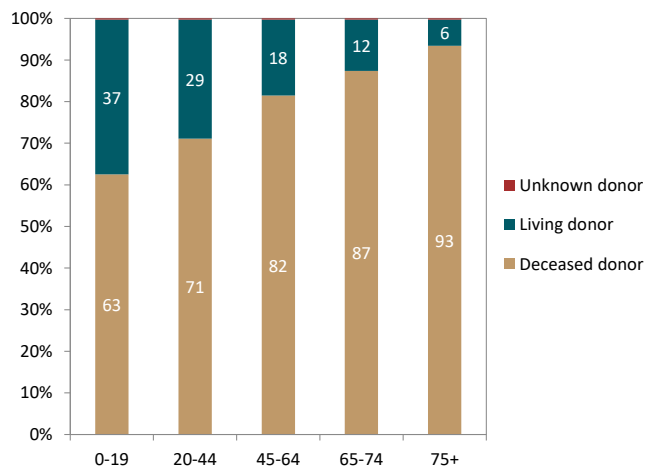


Figure A.7.7
Patient survival probability by age:
Incident dialysis patients
from day 91, adjusted for sex and primary renal disease

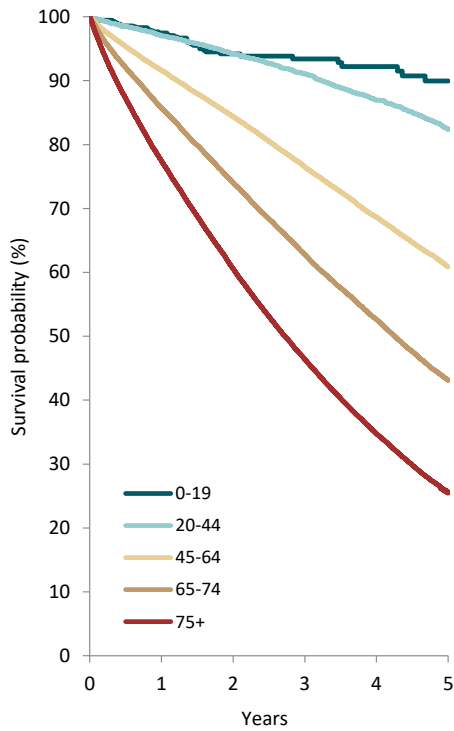
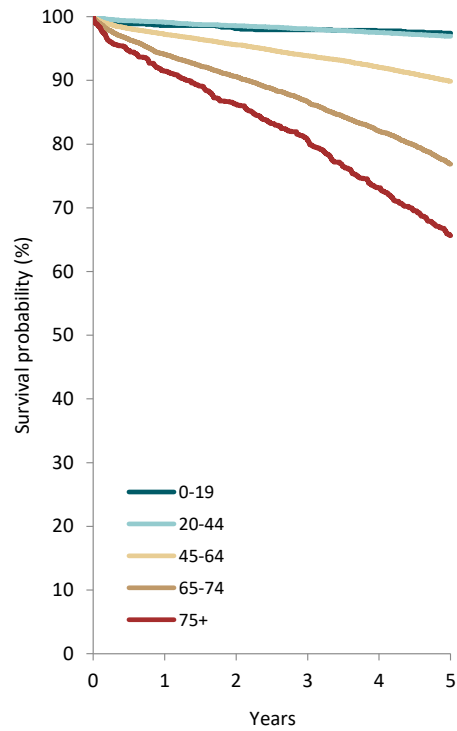


Figure A.7.8
Patient survival probability by age:
Patients receiving a first kidney transplant
from day of transplant, adjusted for sex and primary renal disease



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	8859	100	76	75
Belgium, Dutch-speaking	6618	100	26	26
Belgium, French-speaking	4871	100	24	24
Bosnia and Herzegovina	3531	100	28	28
Denmark	5871	100	15	15
Estonia	1327	100	3	3
Finland	5522	100	30	30
France	67249	100	1481	1481
Greece	10722	100	192	192
Iceland	361	100	1	1
Montenegro	622	100	12	12
Norway	5348	100	26	26
Romania	19372	98.6	143	141
Serbia	6945	90.0	64	54
Spain, Andalusia	8453	100	62	62
Spain, Aragon	1325	100	10	10
Spain, Asturias	1021	100	11	11
Spain, Basque country	2184	100	10	10
Spain, Canary Islands §	2222	100	22	18
Spain, Cantabria	582	100	2	2
Spain, Castile and León	2400	100	22	22
Spain, Castile-La Mancha	2040	100	12	12
Spain, Catalonia	7675	100	47	47
Spain, Community of Madrid	6663	100	37	37
Spain, Extremadura	1068	100	13	13
Spain, Galicia	2702	100	26	26
Spain, La Rioja	315	100	3	3
Spain, Murcia	1494	100	14	14
Spain, Navarre	653	100	3	3
Spain, Valencian region	5004	100	48	48
Sweden	10279	100	68	68
Switzerland	8575	100	98	98
the Netherlands ‡	17345	93 - 98	69	69
United Kingdom, England	56287	100	51	51
United Kingdom, Northern Ireland	1894	100	5	5
United Kingdom, Scotland	5463	100	10	10
United Kingdom, Wales	3153	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 4 centers which treat foreign patients only

‡ The percentage coverage is different for the incidence (93%), 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	%										
Austria §	1200	800	400	19	2	11	1	8	2	114	10	81	10	33	8	349	29	245	31	104	26	335	28	227	28	108	27	383	32	236	30	147	37		
Belgium, Dutch-speaking *	1254	781	473							74	6	42	5	32	7	290	23	178	23	112	24	322	26	205	26	117	25	568	45	356	46	212	45		
Belgium, French-speaking *	997	629	368							81	8	42	7	39	11	287	29	189	30	98	27	316	32	218	35	98	27	313	31	180	29	133	36		
Bosnia and Herzegovina	391	236	155	1	0	1	0	0	0	41	10	27	11	14	9	156	40	97	41	59	38	110	28	62	26	48	31	83	21	49	21	34	22		
Denmark	634	399	235	12	2	10	3	2	1	89	14	57	14	32	14	202	32	129	32	73	31	193	30	111	28	82	35	138	22	92	23	46	20		
Estonia	98	62	36	2	2	1	2	1	3	19	19	14	23	5	14	35	36	23	37	12	33	24	24	13	21	11	31	18	18	11	18	7	19		
Finland	530	334	196	7	1	4	1	3	2	70	13	44	13	26	13	177	33	110	33	67	34	158	30	101	30	57	29	118	22	75	22	43	22		
France	11417	7388	4029	104	1	61	1	43	1	966	8	580	8	386	10	2870	25	1815	25	1055	26	3278	29	2175	29	1103	27	4199	37	2757	37	1442	36		
Greece	2883	1873	1010	6	0	4	0	2	0	149	5	103	5	46	5	601	21	395	21	206	20	741	26	517	28	224	22	1386	48	854	46	532	53		
Iceland	39	23	16	0	0	0	0	0	0	6	15	2	9	4	25	11	28	8	35	3	19	12	31	8	35	4	25	10	26	5	22	5	31		
Montenegro *	70	45	25							10	14	4	9	6	24	26	37	19	42	7	28	26	37	16	36	10	40	8	11	6	13	2	8		
Norway	606	411	195	13	2	6	1	7	4	72	12	48	12	24	12	173	29	117	28	56	29	175	29	122	30	53	27	173	29	118	29	55	28		
Romania	3643	2142	1501	31	1	14	1	17	1	366	10	227	11	139	9	1431	39	910	42	521	35	1143	31	642	30	501	33	672	18	349	16	323	22		
Serbia	511	350	161	6	1	4	1	2	1	52	10	31	9	21	13	205	40	136	39	69	43	167	33	124	35	43	27	80	16	54	15	26	16		
Spain, Andalusia	1272	827	445	12	1	3	0	9	2	140	11	91	11	49	11	420	33	290	35	130	29	385	30	259	31	126	28	315	25	184	22	131	29		
Spain, Aragon	177	125	52	2	1	0	0	2	4	17	10	13	10	4	8	48	27	33	26	15	29	60	34	43	34	17	33	50	28	36	29	14	27		
Spain, Asturias	173	121	52	0	0	0	0	0	0	13	8	6	5	7	13	48	28	34	28	14	27	52	30	38	31	14	27	60	35	43	36	17	33		
Spain, Basque country	277	189	88	7	3	5	3	2	2	27	10	16	8	11	13	88	32	57	30	31	35	70	25	50	26	20	23	85	31	61	32	24	27		
Spain, Canary Islands	392	253	139	0	0	0	0	0	0	37	9	22	9	15	11	140	36	89	35	51	37	109	28	73	29	36	26	106	27	69	27	37	27		
Spain, Cantabria *	75	55	20							8	11	5	9	3	15	22	29	15	27	7	35	22	29	18	33	4	20	23	31	17	31	6	30		
Spain, Castile and León *	319	206	113							20	6	10	5	10	9	99	31	61	30	38	34	84	26	57	28	27	24	116	36	78	38	38	34		
Spain, Castile-La Mancha *	237	155	82							20	8	11	7	9	11	74	31	52	34	22	27	69	29	43	28	26	32	74	31	49	32	25	30		
Spain, Catalonia	1403	951	452	19	1	13	1	6	1	130	9	86	9	44	10	406	29	278	29	128	28	394	28	273	29	121	27	454	32	301	32	153	34		
Spain, Community of Madrid	823	560	263	13	2	7	1	6	2	91	11	60	11	31	12	259	31	167	30	92	35	217	26	150	27	67	25	243	30	176	31	67	25		
Spain, Extremadura	154	92	62	1	1	1	1	0	0	13	8	8	9	5	8	56	36	33	36	23	37	43	28	25	27	18	29	41	27	25	27	16	26		
Spain, Galicia	464	319	145	4	1	2	1	2	1	37	8	25	8	12	8	158	34	103	32	55	38	133	29	95	30	38	26	132	28	94	29	38	26		
Spain, La Rioja	28	20	8	0	0	0	0	0	0	2	7	2	10	0	0	9	32	5	25	4	50	8	29	6	30	2	25	9	32	7	35	2	25		
Spain, Murcia	244	173	71	2	1	1	1	1	1	29	12	19	11	10	14	64	26	43	25	21	30	71	29	54	31	17	24	78	32	56	32	22	31		
Spain, Navarre *	102	70	32							8	8	3	4	5	16	25	25	21	30	4	13	29	28	21	30	8	25	40	39	25	36	15	47		
Spain, Valencian region	849	606	243	4	0	3	0	1	0	79	9	55	9	24	10	247	29	170	28	77	32	255	30	189	31	66	27	264	31	189	31	75	31		
Sweden	1164	764	400	18	2	9	1	9	2	133	11	87	11	46	12	356	31	228	30	128	32	321	28	216	28	105	26	336	29	224	29	112	28		
Switzerland	848	568	280	11	1	6	1	5	2	80	9	54	10	26	9	250	29	163	29	87	31	226	27	153	27	73	26	281	33	192	34	89	32		
the Netherlands ‡	1939	1222	717	24	1	16	1	8	1	217	11	118	10	99	14	611	32	378	31	233	32	623	32	409	33	214	30	464	24	301	25	163	23		
United Kingdom, England #	6889	4386	2503	133	2	69	2	64	3	1037	15	607	14	430	17	2409	35	1493	34	916	37	1730	25	1111	25	619	25	1580	23	1106	25	474	19		
United Kingdom, Northern Ireland #	207	136	71							0	0	38	18	29	21	9	13	70	34	39	29	31	44	53	26	36	26	17	24	44	21	30	22	14	20
United Kingdom, Scotland	566	336	230	10	2	8	2	2	1	111	20	69	21	42	18	223	39	128	38	95	41	137	24	79	24	58	25	85	15	52	15	33	14		
United Kingdom, Wales #	402	247	155	7	2					66	16	33	13	33	21	123	31	78	32	45	29	104	26	66	27	38	25	102	25	68	28	34	22		

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 §	135.5	183.6	88.9	11.1	12.4	9.6	39.3	54.9	23.1	135.9	192.1	80.4	401.9	584.5	242.7	458.6	705.7	293.6
Belgium, Dutch-speaking *	189.5	238.4	141.6				36.5	41.0	31.8	159.5	194.2	124.3	462.2	603.7	327.6	876.3	1334.3	555.9
Belgium, French-speaking *	204.7	263.6	148.1				50.1	51.7	48.5	226.8	300.0	154.2	683.7	1015.0	396.1	828.1	1267.7	563.6
Bosnia and Herzegovina	110.7	136.2	86.2	1.3	2.5	0	33.5	43.4	23.3	153.0	195.3	112.9	374.1	480.9	290.7	399.1	610.8	266.1
Denmark	108.0	136.5	79.7	9.1	14.8	3.1	48.0	60.5	35.0	130.4	166.1	94.4	297.1	351.9	245.4	275.3	428.7	160.4
Estonia	73.9	98.8	51.5	7.1	6.9	7.3	43.8	62.1	24.0	100.4	137.8	66.0	174.1	236.9	132.6	142.6	302.3	77.9
Finland	96.0	122.5	70.1	6.0	6.7	5.2	40.6	49.5	31.1	126.0	156.8	95.3	225.8	304.3	154.9	227.7	368.8	136.5
France	169.8	227.3	116.0	6.4	7.3	5.4	48.4	58.9	38.1	164.6	213.6	118.0	450.2	639.2	284.4	664.8	1124.5	373.1
Greece	268.9	359.4	183.3	2.9	3.7	2.0	45.4	62.2	28.3	201.1	276.4	132.1	632.9	950.5	357.3	1151.2	1672.7	767.2
Iceland	108.2	124.4	91.1	0	0	0	45.5	28.6	64.5	126.7	181.1	70.3	398.9	529.2	267.4	464.5	521.8	418.6
Montenegro *	112.5	146.3	79.5				47.2	37.1	57.6	159.6	238.3	84.1	445.7	607.5	312.5	214.4	400.6	89.5
Norway	113.3	152.5	73.5	10.4	9.3	11.5	40.3	52.4	27.6	125.3	166.1	82.8	329.1	463.9	197.2	434.1	698.4	239.5
Romania	190.7	229.1	153.9	7.7	6.8	8.7	58.4	70.2	45.9	272.7	348.9	197.4	561.0	726.2	434.4	436.1	620.8	330.1
Serbia	81.8	114.9	50.2	5.0	6.4	3.4	25.7	30.1	21.2	118.9	162.6	77.8	214.3	353.7	100.3	155.6	265.0	83.8
Spain, Andalusia	150.5	198.2	103.9	6.7	3.3	10.4	50.6	64.9	35.8	172.5	240.1	105.9	499.8	709.8	310.8	456.0	665.4	316.3
Spain, Aragon	133.5	191.1	77.5	8.0	0	16.6	42.4	63.8	20.3	123.8	168.1	78.3	440.5	664.2	237.9	330.4	593.3	154.4
Spain, Asturias	169.5	248.0	97.6	0	0	0	46.3	42.5	50.2	147.5	214.4	83.9	393.9	623.3	197.1	454.3	865.9	206.3
Spain, Basque country	126.9	178.9	78.1	17.2	23.9	10.1	43.6	51.6	35.5	133.2	175.0	92.5	282.5	431.8	151.6	342.2	637.0	157.2
Spain, Canary Islands	176.4	229.7	124.1	0	0	0	48.1	57.2	39.0	204.5	258.4	150.0	546.3	760.9	347.6	644.5	1001.2	387.2
Spain, Cantabria *	128.9	193.9	67.0				46.6	57.5	35.4	123.1	169.4	77.6	336.6	585.2	115.6	363.7	701.0	153.9
Spain, Castile and León *	132.9	174.4	92.8				29.8	29.1	30.4	135.1	164.7	104.8	305.9	422.3	193.4	347.3	580.6	190.4
Spain, Castile-La Mancha *	116.2	151.4	80.7				30.6	32.6	28.5	126.2	173.6	76.7	382.5	489.4	281.0	355.9	570.1	205.0
Spain, Catalonia	182.8	252.2	115.7	12.2	16.2	7.9	51.1	66.8	35.1	190.4	262.3	119.4	537.0	802.1	307.6	640.3	1081.6	355.2
Spain, Community of Madrid	123.5	175.7	75.7	9.7	10.1	9.2	40.1	53.9	26.9	138.5	186.7	94.2	358.6	554.1	200.3	422.0	800.6	188.2
Spain, Extremadura	144.2	174.1	115.0	5.1	9.9	0	39.2	47.2	30.8	176.8	205.7	147.2	410.9	491.3	334.8	351.7	541.9	227.2
Spain, Galicia	171.8	244.7	103.7	9.3	9.0	9.6	47.0	63.1	30.7	197.0	262.1	134.4	412.6	628.0	222.1	365.5	663.7	173.1
Spain, La Rioja	89.0	129.0	50.1	0	0	0	21.1	42.0	0	97.5	107.8	87.1	249.4	382.5	122.0	259.9	499.3	97.0
Spain, Murcia	163.3	231.4	95.1	5.9	5.7	6.0	56.4	71.6	40.2	158.1	210.8	104.6	586.2	948.0	265.0	694.6	1232.7	329.0
Spain, Navarre *	156.1	216.9	96.8				39.9	29.7	50.3	133.4	221.6	43.2	448.5	672.4	239.3	613.4	953.1	384.8
Spain, Valencian region	169.7	245.8	95.7	4.0	5.9	2.1	49.2	67.4	30.4	171.0	236.6	106.0	505.5	799.8	246.1	574.7	1017.6	274.0
Sweden	113.2	147.8	78.3	7.5	7.3	7.8	40.1	51.0	28.6	141.2	178.9	102.6	290.0	397.2	186.5	356.0	546.5	209.8
Switzerland	98.9	133.6	64.8	6.4	6.8	6.0	28.0	37.3	18.5	103.6	134.4	72.5	272.8	385.9	169.0	368.2	611.4	198.2
the Netherlands	120.2	152.5	88.3	6.8	8.9	4.7	43.5	46.9	40.0	135.8	168.0	103.6	348.6	465.3	235.6	348.6	534.1	212.3
United Kingdom, England #	122.4	157.6	88.0	10.0	10.1	9.9	56.8	66.2	47.4	167.2	210.2	125.4	310.3	414.1	214.0	330.7	538.7	174.0
United Kingdom, Northern Ireland #	109.3	145.8	73.9			0	62.8	96.3	29.6	143.4	163.0	124.5	309.4	434.3	192.4	306.7	498.1	168.2
United Kingdom, Scotland	103.6	126.2	82.1	8.7	13.6	3.6	62.7	78.5	47.1	148.6	176.2	122.7	236.9	285.4	192.4	182.5	270.0	120.8
United Kingdom, Wales #	127.5	158.9	97.0	10.0			68.9	68.1	69.6	148.2	193.1	105.7	287.7	376.7	204.1	338.9	521.9	199.2

§ 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	65.5	15.8	68.9	57.6	77.2	66.7	64.9	15.5	68.4	57.0	76.4	33.3	66.6	16.2	70.0	58.6	78.3
Belgium, Dutch-speaking *	100	70.6	14.1	73.5	63.4	81.1	62.3	70.8	13.8	73.7	63.9	80.9	37.7	70.3	14.7	73.0	61.8	81.7
Belgium, French-speaking *	100	67.3	14.0	69.4	60.0	76.8	63.1	67.3	13.3	69.4	60.4	76.3	36.9	67.3	15.2	69.8	58.8	78.7
Bosnia and Herzegovina	100	63.5	13.5	64.9	55.7	73.7	60.4	62.7	14.1	64.6	55.4	73.1	39.6	64.7	12.5	66.3	55.7	74.3
Denmark	100	62.0	16.5	66.1	51.7	74.0	62.9	61.3	17.1	65.6	50.5	74.4	37.1	63.1	15.3	66.6	53.4	73.6
Estonia	100	59.2	17.4	62.8	47.7	72.9	63.3	57.8	17.2	59.3	45.7	72.8	36.7	61.6	17.7	65.3	55.2	74.0
Finland	100	62.2	16.5	66.0	53.1	74.0	63.0	62.2	16.7	66.0	51.7	73.9	37.0	62.0	16.2	66.0	53.4	74.1
France	100	67.8	15.6	70.6	60.0	79.5	64.7	68.2	15.3	70.9	60.5	79.5	35.3	67.2	16.2	69.9	58.8	79.4
Greece	100	71.7	14.0	74.4	64.4	82.2	65.0	71.2	14.1	73.5	64.1	81.6	35.0	72.7	13.8	75.6	64.9	83.3
Iceland	100	63.1	14.3	66.3	53.0	77.1	59.0	62.9	13.3	65.2	56.5	69.5	41.0	63.4	16.1	67.5	46.2	79.8
Montenegro *	100	61.3	13.7	64.7	55.7	69.4	64.3	63.2	12.9	64.8	59.8	71.3	35.7	58.0	14.8	61.5	50.4	68.0
Norway	100	63.7	17.4	68.0	53.9	76.1	67.8	64.0	17.2	68.4	54.5	76.1	32.2	62.8	18.0	67.0	52.0	76.4
Romania	100	62.9	14.0	65.0	55.1	72.3	58.8	62.1	13.9	63.9	53.2	71.5	41.2	64.1	14.1	66.4	57.4	73.5
Serbia	100	61.8	14.8	64.8	55.0	72.0	68.5	62.2	14.6	65.1	55.7	71.7	31.5	61.0	15.1	64.1	52.4	72.1
Spain, Andalusia	100	63.9	14.7	66.9	54.6	74.9	65.0	63.7	14.1	66.4	54.7	74.3	35.0	64.3	15.8	68.5	54.5	76.2
Spain, Aragon	100	65.2	15.4	68.9	57.2	76.0	70.6	66.2	14.9	69.0	57.6	77.8	29.4	62.7	16.5	68.2	54.3	75.2
Spain, Asturias	100	68.0	13.2	69.0	62.5	78.0	69.9	69.7	11.1	70.6	63.5	78.3	30.1	64.1	16.6	67.3	53.4	77.1
Spain, Basque country	100	64.6	16.5	68.4	56.2	76.6	68.2	65.1	16.7	69.3	56.6	77.2	31.8	63.4	16.0	64.8	52.7	75.8
Spain, Canary Islands	100	64.7	14.3	67.0	55.7	75.8	64.5	64.8	14.1	67.2	54.9	75.8	35.5	64.6	14.6	65.8	55.9	76.6
Spain, Cantabria *	100	66.1	13.8	67.9	58.9	76.6	73.3	66.8	12.8	68.4	60.5	76.6	26.7	64.0	16.4	66.3	54.2	77.4
Spain, Castile and León *	100	68.1	13.4	69.9	59.9	78.4	64.6	69.0	12.6	71.8	61.3	78.3	35.4	66.5	14.8	68.2	59.2	79.4
Spain, Castile-La Mancha *	100	66.4	14.3	69.4	58.3	77.7	65.4	66.5	13.6	69.2	58.5	77.3	34.6	66.2	15.8	70.1	56.1	78.2
Spain, Catalonia	100	65.9	15.6	69.5	57.3	77.1	67.8	65.9	15.5	69.2	57.5	76.9	32.2	66.1	15.8	69.8	56.9	77.7
Spain, Community of Madrid	100	64.4	16.1	67.4	54.9	76.2	68.0	65.2	15.9	68.0	55.4	76.8	32.0	62.8	16.6	65.6	53.7	75.2
Spain, Extremadura	100	65.2	13.6	67.0	57.0	75.4	59.7	65.3	14.4	67.3	57.5	75.5	40.3	65.0	12.3	66.9	56.5	75.0
Spain, Galicia	100	65.7	13.9	67.8	57.6	76.3	68.8	66.4	13.7	68.3	58.2	76.9	31.3	64.4	14.3	66.7	53.9	75.1
Spain, La Rioja	100	66.7	15.2	72.1	60.0	77.6	71.4	67.0	16.1	72.4	62.4	77.6	28.6	66.2	13.6	68.4	53.2	77.4
Spain, Murcia	100	65.5	15.3	68.9	56.6	77.0	70.9	66.0	14.7	70.0	57.7	76.9	29.1	64.4	16.5	67.7	50.0	77.1
Spain, Navarre *	100	68.4	14.3	71.5	59.5	79.1	68.6	68.7	12.4	71.0	59.5	78.7	31.4	67.9	18.0	73.7	60.0	80.7
Spain, Valencian region	100	66.2	14.5	69.0	58.6	77.3	71.4	66.3	14.5	69.2	59.3	77.3	28.6	65.9	14.5	68.2	57.3	77.6
Sweden	100	64.0	16.7	68.1	54.6	76.3	65.6	64.6	16.3	68.4	55.8	76.6	34.4	62.8	17.2	67.5	52.7	75.5
Switzerland	100	66.1	15.7	69.3	58.1	77.6	67.0	66.2	15.6	69.5	58.4	77.5	33.0	65.9	15.9	68.5	57.8	77.8
the Netherlands	100	63.7	15.4	67.2	55.2	74.7	63.0	64.4	15.1	68.0	56.2	74.9	37.0	62.6	15.8	65.9	53.5	74.2
United Kingdom, England	100	61.1	17.1	64.1	50.9	74.3	63.7	62.3	16.7	65.3	52.3	75.1	36.3	59.2	17.6	62.4	48.8	72.9
United Kingdom, Northern Ireland	100	61.0	16.8	63.0	50.2	73.7	65.7	60.8	17.9	63.7	45.9	73.9	34.3	61.3	14.6	62.6	53.5	72.8
United Kingdom, Scotland	100	58.3	16.3	60.8	48.0	71.3	59.4	57.8	17.1	59.8	46.3	71.3	40.6	59.0	15.2	61.5	48.9	71.1
United Kingdom, Wales	100	62.0	17.2	65.4	50.6	75.1	61.4	63.7	16.1	66.9	53.5	75.8	38.6	59.3	18.5	61.3	45.7	74.1

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 §	132.8	179.8	88.0
Belgium, Dutch-speaking *	176.2	216.8	137.4
Belgium, French-speaking *	222.7	286.8	161.7
Bosnia and Herzegovina	124.6	156.7	94.0
Denmark	105.8	133.3	79.6
Estonia	74.6	103.2	47.4
Finland	91.0	116.2	66.9
France	166.7	220.0	116.0
Greece	231.5	302.5	163.9
Iceland	133.1	148.1	118.9
Montenegro *	119.5	160.7	80.1
Norway	119.0	159.1	80.7
Romania	190.4	234.7	148.2
Serbia	76.4	107.5	46.7
Spain, Andalusia	155.1	203.6	108.8
Spain, Aragon	124.2	175.2	75.6
Spain, Asturias	138.1	193.1	85.6
Spain, Basque country	113.0	158.0	70.1
Spain, Canary Islands	183.5	236.6	132.8
Spain, Cantabria *	116.1	171.3	63.4
Spain, Castile and León *	109.1	138.6	80.9
Spain, Castile-La Mancha *	114.8	149.8	81.4
Spain, Catalonia	184.1	254.5	117.0
Spain, Community of Madrid	129.7	183.3	78.6
Spain, Extremadura	136.1	161.4	112.0
Spain, Galicia	144.2	200.5	90.6
Spain, La Rioja	82.8	119.7	47.7
Spain, Murcia	184.5	267.3	105.6
Spain, Navarre *	149.4	204.3	97.0
Spain, Valencian region	165.1	239.6	94.2
Sweden	111.6	144.5	80.3
Switzerland	98.0	131.6	65.9
the Netherlands	116.5	144.9	89.4
United Kingdom, England	125.8	160.7	92.5
United Kingdom, Northern Ireland	117.2	155.6	80.6
United Kingdom, Scotland	102.8	123.9	82.7
United Kingdom, Wales	124.0	152.4	97.0

§ 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

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 §	135.5	100	12.2	9.0	4.3	3.2	4.6	3.4	2.3	1.7	29.8	22.0	32.1	23.7	17.7	13.1	2.9	2.2	29.6	21.8	31.5	23.3	0.6	0.4
Belgium, Dutch-speaking *	189.5	100	18.3	9.6	7.6	4.0	10.7	5.7	5.9	3.1	29.5	15.6	35.4	18.7	18.7	9.9	7.4	3.9	73.1	38.6	18.3	9.6	0	0
Belgium, French-speaking *	204.7	100	16.6	8.1	8.2	4.0	7.8	3.8	3.5	1.7	43.1	21.1	46.6	22.8	33.1	16.1	2.9	1.4	60.4	29.5	29.1	14.2	0	0
Bosnia and Herzegovina	110.7	100	7.9	7.2	9.1	8.2	3.4	3.1	5.1	4.6	27.2	24.6	32.3	29.2	15.3	13.8	2.0	1.8	23.5	21.2	17.3	15.6	0	0
Denmark	108.0	100	12.9	12.0	5.5	5.0	8.9	8.2	6.8	6.3	21.8	20.2	28.6	26.5	12.1	11.2	1.5	1.4	19.2	17.8	19.2	17.8	0	0
Estonia	73.9	100	9.8	13.3	6.0	8.2	0.8	1.0					15.8	21.4	24.1	32.7	0	0	17.3	23.5	0	0	0	0
Finland	96.0	100	14.1	14.7	3.8	4.0	12.0	12.5	11.4	11.9	17.2	17.9	28.6	29.8	7.8	8.1	0.5	0.6	28.3	29.4	0.9	0.9	0	0
France	169.8	100	18.9	11.1	8.0	4.7	9.8	5.8					39.8	23.4	40.6	23.9	1.4	0.8	24.1	14.2	27.3	16.1	0	0
Greece	268.9	100	18.4	6.8	12.2	4.5	8.8	3.3	3.4	1.2	66.5	24.7	69.9	26.0	25.7	9.6	3.8	1.4	34.9	13.0	95.2	35.4	0	0
Iceland	108.2	100	22.2	20.5	0	0	13.9	12.8	0	0	8.3	7.7	8.3	7.7	25.0	23.1	2.8	2.6	33.3	30.8	2.8	2.6	0	0
Montenegro *	112.5	100	19.3	17.1	3.2	2.9	3.2	2.9	6.4	5.7	20.9	18.6	27.3	24.3	30.5	27.1	0	0	16.1	14.3	12.9	11.4	0	0
Norway	113.3	100	16.3	14.4	3.6	3.1	6.9	6.1	5.0	4.5	16.1	14.2	21.1	18.6	35.2	31.0	1.5	1.3	25.1	22.1	3.2	2.8	0.6	0.5
Romania	190.7	100	16.0	8.4	7.4	3.9	4.1	2.2					22.6	11.9	14.1	7.4	1.2	0.6	29.0	15.2	96.4	50.6	0	0
Serbia	81.8	100	6.7	8.2	7.5	9.2	4.0	4.9					20.8	25.4	26.7	32.7	0.5	0.6	12.3	15.1	3.2	3.9	0	0
Spain, Andalusia	150.5	100	18.1	12.0	8.3	5.5	9.7	6.4					40.7	27.0	17.7	11.8	1.2	0.8	29.6	19.7	24.8	16.5	0.4	0.2
Spain, Aragon	133.5	100	24.1	18.1	6.0	4.5	8.3	6.2	2.3	1.7	34.7	26.0	37.0	27.7	15.1	11.3	0.8	0.6	17.4	13.0	24.9	18.6	0	0
Spain, Asturias	169.5	100	25.5	15.0	7.8	4.6	5.9	3.5	2.9	1.7	40.2	23.7	43.1	25.4	25.5	15.0	0	0	32.3	19.1	29.4	17.3	0	0
Spain, Basque country	126.9	100	13.7	10.8	5.5	4.3	9.2	7.2	1.4	1.1	28.9	22.7	30.2	23.8	26.6	20.9	0.5	0.4	19.2	15.2	22.0	17.3	0	0
Spain, Canary Islands	176.4	100	22.5	12.8	5.9	3.3	9.9	5.6	7.2	4.1	50.4	28.6	57.6	32.7	12.2	6.9	0.9	0.5	43.2	24.5	24.3	13.8	0	0
Spain, Cantabria *	128.9	100	36.1	28.0	3.4	2.7	5.2	4.0	0	0	34.4	26.7	34.4	26.7	10.3	8.0	10.3	8.0	18.9	14.7	10.3	8.0	0	0
Spain, Castile and León * ‡	132.9	100	18.8	14.1	9.6	7.2	5.4	4.1	6.7	5.0	28.8	21.6	35.4	26.6	20.8	15.7	1.7	1.3	26.3	19.7	15.0	11.3	0	0
Spain, Castile-La Mancha *	116.2	100	14.2	12.2	13.7	11.8	6.4	5.5					35.8	30.8	3.4	3.0	8.3	7.2	11.3	9.7	23.0	19.8	0	0
Spain, Catalonia	182.8	100	15.1	8.3	6.5	3.6	9.9	5.4	1.2	0.6	29.4	16.1	30.7	16.8	13.8	7.6	3.6	2.0	67.1	36.7	36.0	19.7	0	0
Spain, Community of Madrid	123.5	100	21.8	17.6	3.6	2.9	8.1	6.6	3.2	2.6	29.1	23.6	32.3	26.1	11.7	9.5	3.0	2.4	35.3	28.6	7.8	6.3	0	0
Spain, Extremadura	144.2	100	18.7	13.0	6.6	4.5	10.3	7.1					34.7	24.0	8.4	5.8	3.7	2.6	17.8	12.3	44.0	30.5	0	0
Spain, Galicia	171.8	100	16.3	9.5	9.6	5.6	13.0	7.5	5.2	3.0	41.1	23.9	46.3	26.9	11.1	6.5	1.5	0.9	29.6	17.2	44.4	25.9	0	0
Spain, La Rioja	89.0	100	3.2	3.6	6.4	7.1	6.4	7.1	0	0	28.6	32.1	28.6	32.1	9.5	10.7	0	0	25.4	28.6	9.5	10.7	0	0
Spain, Murcia	163.3	100	31.5	19.3	14.7	9.0	12.7	7.8	7.4	4.5	33.5	20.5	40.8	25.0	12.7	7.8	0.7	0.4	26.1	16.0	24.1	14.8	0	0
Spain, Navarre *	156.1	100	15.3	9.8	7.7	4.9	9.2	5.9	4.6	2.9	32.1	20.6	36.7	23.5	26.0	16.7	0	0	33.7	21.6	27.6	17.6	0	0
Spain, Valencian region	169.7	100	17.6	10.4	7.8	4.6	10.0	5.9					38.8	22.9	22.4	13.2	1.0	0.6	35.2	20.7	37.0	21.8	0	0
Sweden ‡	113.2	100	17.6	15.5	4.4	3.9	9.3	8.2	7.0	6.2	19.4	17.1	26.4	23.3	20.2	17.9	1.2	1.0	23.1	20.4	11.1	9.8	0	0
Switzerland	98.9	100	12.8	13.0	1.3	1.3	6.6	6.7	2.6	2.6	17.4	17.6	19.9	20.2	22.2	22.4	3.0	3.1	24.3	24.5	8.7	8.8	0	0
the Netherlands	120.2	100	12.2	10.1	3.9	3.2	6.1	5.1	3.8	3.2	18.7	15.5	22.5	18.7	16.9	14.1	13.0	10.8	27.0	22.5	17.8	14.8	0.8	0.7
United Kingdom, England #	122.4	100	13.6	11.1	6.4	5.2	6.8	5.5					32.2	26.3	8.1	6.6	1.3	1.0	23.1	18.8	16.7	13.7	14.2	11.6
United Kingdom, Northern Ireland #	109.3	100	18.5	16.9	5.8	5.3	11.6	10.6					22.2	20.3	3.7	3.4			15.3	14.0	16.9	15.5	14.8	13.5
United Kingdom, Scotland	103.6	100	16.3	15.7	7.1	6.9	8.1	7.8					30.4	29.3	6.4	6.2	1.8	1.8	24.5	23.7	9.0	8.7	0	0
United Kingdom, Wales #	127.5	100	19.7	15.4	9.2	7.2	7.0	5.5					45.7	35.8	5.4	4.2			25.1	19.7	14.6	11.4		

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 §	132.8	11.8	4.1	4.6	2.3	29.3	31.5	17.2	2.9	29.0	31.0	0.6
Belgium, Dutch-speaking *	176.2	17.5	6.9	10.6	5.9	27.4	33.3	17.2	6.6	66.8	17.2	0
Belgium, French-speaking *	222.7	17.8	8.8	8.3	3.6	47.1	50.7	36.2	3.2	66.2	31.6	0
Bosnia and Herzegovina	124.6	8.2	10.5	4.0	5.4	29.2	34.6	17.8	2.1	27.7	19.7	0
Denmark	105.8	13.3	5.2	8.9	7.0	20.9	27.8	11.8	1.5	18.4	18.9	0
Estonia	74.6	9.7	6.6	0.7			15.6	23.8	0	18.3	0	0
Finland	91.0	13.6	3.4	11.8	12.1	15.4	27.5	7.0	0.5	26.3	0.8	0
France	166.7	19.2	7.9	10.1			39.1	38.9	1.4	23.9	26.4	0
Greece	231.5	17.0	10.8	8.4	3.3	57.4	60.7	21.7	3.2	30.5	79.2	0
Iceland	133.1	25.4	0	17.4	0	9.5	9.5	33.7	3.5	40.6	3.0	0
Montenegro *	119.5	19.9	3.1	3.1	6.3	22.1	28.4	33.1	0	17.8	14.1	0
Norway	119.0	16.5	3.7	7.4	5.3	17.3	22.5	37.5	1.6	26.0	3.3	0.6
Romania	190.4	15.9	7.4	4.0			22.2	14.2	1.2	28.8	96.7	0
Serbia	76.4	6.4	7.2	3.7			19.1	24.6	0.5	11.8	3.1	0
Spain, Andalusia	155.1	18.1	8.4	9.5			42.0	18.8	1.2	30.7	26.0	0.3
Spain, Aragon	124.2	23.0	5.8	7.7	2.2	32.3	34.5	13.0	0.6	16.4	23.3	0
Spain, Asturias	138.1	22.1	6.2	4.8	2.6	31.2	33.8	20.2	0	27.8	23.2	0
Spain, Basque country	113.0	13.1	5.1	8.3	1.3	25.3	26.6	22.5	0.4	17.8	19.1	0
Spain, Canary Islands	183.5	21.9	6.2	9.8	6.3	53.8	60.1	12.4	0.9	46.1	26.0	0
Spain, Cantabria *	116.1	33.3	3.0	4.4	0	30.8	30.8	9.0	8.8	17.9	8.8	0
Spain, Castile and León * ‡	109.1	17.0	8.1	4.8	5.9	22.5	28.5	15.7	1.4	21.8	11.9	0
Spain, Castile-La Mancha *	114.8	13.8	13.8	6.2			35.8	3.3	7.9	11.1	22.8	0
Spain, Catalonia	184.1	15.1	6.5	9.8	1.1	30.0	31.3	13.8	3.8	67.8	36.0	0
Spain, Community of Madrid	129.7	22.4	3.8	8.2	3.1	31.5	34.6	12.1	3.1	37.4	8.2	0
Spain, Extremadura	136.1	18.1	6.1	9.5			32.6	7.5	3.4	17.3	41.6	0
Spain, Galicia	144.2	14.6	8.2	11.4	4.8	33.9	38.7	8.7	1.0	25.8	35.9	0
Spain, La Rioja	82.8	2.9	5.9	5.8	0	26.7	26.7	10.0	0	22.9	8.7	0
Spain, Murcia	184.5	35.0	17.2	13.7	6.6	38.9	45.5	15.4	0.8	29.6	27.2	0
Spain, Navarre *	149.4	15.3	7.4	8.9	4.2	31.2	35.3	23.2	0	32.9	26.3	0
Spain, Valencian region	165.1	17.3	7.6	9.3			37.8	21.7	1.0	34.5	35.9	0
Sweden ‡	111.6	17.6	4.1	9.7	7.3	18.7	26.1	19.3	1.1	22.9	10.8	0
Switzerland	98.0	12.6	1.3	6.6	2.5	17.2	19.7	21.9	3.0	24.2	8.7	0
the Netherlands	116.5	11.8	3.9	5.9	4.0	17.9	21.9	16.4	12.5	25.9	17.4	0.8
United Kingdom, England #	125.8	14.0	6.5	7.2			33.4	8.4	1.3	23.4	17.1	14.5
United Kingdom, Northern Ireland #	117.2	19.8	6.0	12.6			23.7	4.1		16.2	18.2	16.1
United Kingdom, Scotland	102.8	16.1	6.9	8.2			30.4	6.3	1.8	23.9	9.1	0
United Kingdom, Wales #	124.0	19.9	9.3	7.1			44.8	5.2		23.3	13.6	

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 §	1200	894	0	4	3	146	1047	23	66	5	94	38	21	0	59	0	0
Belgium, Dutch-speaking *	1254	782	0	0	2	336	1120	54	57	0	111	6	17	0	23	0	0
Belgium, French-speaking *	997	569	11	0	24	285	889	41	56	0	97	5	6	0	11	0	0
Bosnia and Herzegovina	391	350	0	0	0	27	377	0	14	0	14	0	0	0	0	0	0
Denmark &	634	362	1	0			363	95	115	2	212	27	32	0	59	0	0
Estonia	98	80	0	0	0	0	80	5	13	0	18	0	0	0	0	0	0
Finland	530	363	11	0	0	8	382	30	94	0	124	9	8	7	24	0	0
France	11417	7698	4	12	18	2090	9822	229	887	0	1116	197	282	0	479	0	0
Greece	2883	2712	0	0	0	23	2735	32	104	0	136	12	0	0	12	0	0
Iceland	39	25	0	0			25	4	4	0	8	4	1	0	5	1	0
Montenegro *	70	70	0	0	0	0	70	0	0	0	0	0	0	0	0	0	0
Norway	606	385	1	0			386			157	157	31	32	0	63	0	0
Romania	3643	3464	0	0	2	109	3575	1	37	0	38	10	20	0	30	0	0
Serbia	511	447	0	5	0	3	455	3	52	0	55	0	1	0	1	0	0
Spain, Andalusia	1272	1048	3	0			1051			160	160	19	42	0	61	0	0
Spain, Aragon	177	117	0	0		13	130	4	36	0	40	3	4	0	7	0	0
Spain, Asturias	173	130	0	0		1	131	2	36	0	38	0	4	0	4	0	0
Spain, Basque country	277	211	0	0			211	1	51	0	52	10	4	0	14	0	0
Spain, Canary Islands	392	311	0	0	0	0	311	0	0	77	77	1	3	0	4	0	0
Spain, Cantabria *	75	57	0	0			57	0	6	0	6	0	12	0	12	0	0
Spain, Castile and León *	319	246	0	0			246	25	31	0	56	11	6	0	17	0	0
Spain, Castile-La Mancha *	237	186	0	0			186	6	41	0	47	1	3	0	4	0	0
Spain, Catalonia	1403	843	1	0		229	1073	27	150	0	177	66	87	0	153	0	0
Spain, Community of Madrid	823	665	4	0			669	39	86	0	125	16	13	0	29	0	0
Spain, Extremadura	154	141	0	0			141	8	5	0	13	0	0	0	0	0	0
Spain, Galicia	464	360	2	0	0	0	362	5	77	0	82	18	2	0	20	0	0
Spain, La Rioja	28	21	0	0	0	0	21	1	4	0	5	2	0	0	2	0	0
Spain, Murcia	244	208	0	0	0	0	208	3	29	0	32	2	2	0	4	0	0
Spain, Navarre *	102	74	1	0			75	21	4	0	25	0	2	0	2	0	0
Spain, Valencian region	849	632	12	0			644	14	142	0	156	8	41	0	49	0	0
Sweden	1164	699	4	0			703			361	361	54	46	0	100	0	0
Switzerland	848	659	7	21	6	0	693	24	81	6	111	28	16	0	44	0	0
the Netherlands ‡	1939	1314	0	0		26	1340	104	224	0	328	229	42	0	271	0	0
United Kingdom, England #	6889	4162	11		11	701	4886	730	698	18	1446	251	297	9	557	0	0
United Kingdom, Northern Ireland #	207	136	0	0	0		137	20	8		30	29	11	0	40	0	0
United Kingdom, Scotland	566	411	1	0			412	57	37	0	94	33	27	0	60	0	0
United Kingdom, Wales #	402	261	0	0		26	288	27	58	0	85	14	15	0	29	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

& No distinction is made between HD and HDF

|| 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			
Austria §	135.5	100.9	0	0.5	0.3	16.5	118.2	2.6	7.5	0.6	10.6	4.3	2.4	0	6.7	0	0	
Belgium, Dutch-speaking *	189.5	118.2	0	0	0.3	50.8	169.2	8.2	8.6	0	16.8	0.9	2.6	0	3.5	0	0	
Belgium, French-speaking *	204.7	116.8	2.3	0	4.9	58.5	182.5	8.4	11.5	0	19.9	1.0	1.2	0	2.3	0	0	
Bosnia and Herzegovina	110.7	99.1	0	0	0	7.6	106.8	0	4.0	0	4.0	0	0	0	0	0	0	
Denmark &	108.0	61.7	0.2	0			61.8	16.2	19.6	0.3	36.1	4.6	5.5	0	10.0	0	0	
Estonia	73.9	60.3	0	0	0	0	60.3	3.8	9.8	0	13.6	0	0	0	0	0	0	
Finland	96.0	65.7	2.0	0	0	1.4	69.2	5.4	17.0	0	22.5	1.6	1.4	1.3	4.3	0	0	
France	169.8	114.5	0.1	0.2	0.3	31.1	146.1	3.4	13.2	0	16.6	2.9	4.2	0	7.1	0	0	
Greece	268.9	252.9	0	0	0	2.1	255.1	3.0	9.7	0	12.7	1.1	0	0	1.1	0	0	
Iceland	108.2	69.3	0	0			69.3	11.1	11.1	0	22.2	11.1	2.8	0	13.9	2.8	0	
Montenegro *	112.5	112.5	0	0	0	0	112.5	0	0	0	0	0	0	0	0	0	0	
Norway	113.3	72.0	0.2	0			72.2			29.4	29.4	5.8	6.0	0	11.8	0	0	
Romania	190.7	181.4	0	0	0.1	5.7	187.2	0.1	1.9	0	2.0	0.5	1.0	0	1.6	0	0	
Serbia	81.8	71.5	0	0.8	0	0.5	72.8	0.5	8.3	0	8.8	0	0.2	0	0.2	0	0	
Spain, Andalusia	150.5	124.0	0.4	0			124.3				18.9	18.9	2.2	5.0	0	7.2	0	0
Spain, Aragon	133.5	88.3	0	0		9.8	98.1	3.0	27.2	0	30.2	2.3	3.0	0	5.3	0	0	
Spain, Asturias	169.5	127.4	0	0		1.0	128.4	2.0	35.3	0	37.2	0	3.9	0	3.9	0	0	
Spain, Basque country	126.9	96.6	0	0			96.6	0.5	23.4	0	23.8	4.6	1.8	0	6.4	0	0	
Spain, Canary Islands	176.4	140.0	0	0	0	0	140.0	0	0	34.7	34.7	0.5	1.4	0	1.8	0	0	
Spain, Cantabria *	128.9	97.9	0	0			97.9	0	10.3	0	10.3	0	20.6	0	20.6	0	0	
Spain, Castile and León *	132.9	102.5	0	0			102.5	10.4	12.9	0	23.3	4.6	2.5	0	7.1	0	0	
Spain, Castile-La Mancha *	116.2	91.2	0	0			91.2	2.9	20.1	0	23.0	0.5	1.5	0	2.0	0	0	
Spain, Catalonia	182.8	109.8	0.1	0		29.8	139.8	3.5	19.5	0	23.1	8.6	11.3	0	19.9	0	0	
Spain, Community of Madrid	123.5	99.8	0.6	0			100.4	5.9	12.9	0	18.8	2.4	2.0	0	4.4	0	0	
Spain, Extremadura	144.2	132.1	0	0			132.1	7.5	4.7	0	12.2	0	0	0	0	0	0	
Spain, Galicia	171.8	133.3	0.7	0	0	0	134.0	1.9	28.5	0	30.4	6.7	0.7	0	7.4	0	0	
Spain, La Rioja	89.0	66.7	0	0	0	0	66.7	3.2	12.7	0	15.9	6.4	0	0	6.4	0	0	
Spain, Murcia	163.3	139.2	0	0	0	0	139.2	2.0	19.4	0	21.4	1.3	1.3	0	2.7	0	0	
Spain, Navarre *	156.1	113.3	1.5	0			114.8	32.1	6.1	0	38.3	0	3.1	0	3.1	0	0	
Spain, Valencian region	169.7	126.3	2.4	0			128.7	2.8	28.4	0	31.2	1.6	8.2	0	9.8	0	0	
Sweden	113.2	68.0	0.4	0			68.4			35.1	35.1	5.3	4.5	0	9.7	0	0	
Switzerland	98.9	76.8	0.8	2.4	0.7	0	80.8	2.8	9.4	0.7	12.9	3.3	1.9	0	5.1	0	0	
the Netherlands	120.2	81.5	0	0		1.6	83.1	6.4	13.9	0	20.3	14.2	2.6	0	16.8	0	0	
United Kingdom, England #	122.4	73.9	0.2		0.2	12.5	86.8	13.0	12.4	0.3	25.7	4.5	5.3	0.2	9.9	0	0	
United Kingdom, Northern Ireland #	109.3	71.8	0	0	0		72.3	10.6	4.2		15.8	15.3	5.8	0	21.1	0	0	
United Kingdom, Scotland	103.6	75.2	0.2	0			75.4	10.4	6.8	0	17.2	6.0	4.9	0	11.0	0	0	
United Kingdom, Wales #	127.5	82.8	0	0		8.2	91.3	8.6	18.4	0	27.0	4.4	4.8	0	9.2	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

& No distinction is made between HD and HDF

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

Values based on 1 to 5 patients are suppressed

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

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Unkn	Missing
	Pmp	HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp		
Austria §	132.8	98.8	0	0.4	0.3	16.1	115.7	2.5	7.4	0.5	10.4	4.4	2.4	0	6.8	0	0
Belgium, Dutch-speaking *	176.2	109.7	0	0	0.3	46.8	156.8	7.7	8.1	0	15.9	0.9	2.6	0	3.5	0	0
Belgium, French-speaking *	222.7	127.5	2.3	0	5.4	63.3	198.6	9.5	12.3	0	21.8	1.1	1.3	0	2.3	0	0
Bosnia and Herzegovina	124.6	112.0	0	0	0	8.4	120.4	0	4.2	0	4.2	0	0	0	0	0	0
Denmark &	105.8	59.9	0.2	0			60.1	15.8	19.4	0.3	35.4	4.7	5.6	0	10.3	0	0
Estonia	74.6	61.3	0	0	0	0	61.3	3.9	9.4	0	13.3	0	0	0	0	0	0
Finland	91.0	62.1	2.0	0	0	1.4	65.5	5.1	16.0	0	21.1	1.6	1.4	1.3	4.3	0	0
France	166.7	112.3	0.1	0.2	0.3	30.2	143.0	3.4	12.9	0	16.3	3.0	4.4	0	7.4	0	0
Greece	231.5	216.7	0	0	0	1.9	218.6	2.7	9.0	0	11.8	1.1	0	0	1.1	0	0
Iceland	133.1	83.4	0	0			83.4	15.2	15.2	0	30.3	12.6	3.0	0	15.6	3.8	0
Montenegro *	119.5	119.5	0	0	0	0	119.5	0	0	0	0	0	0	0	0	0	0
Norway	119.0	76.3	0.2	0			76.5			30.9	30.9	5.5	6.0	0	11.6	0	0
Romania	190.4	181.1	0	0	0.1	5.7	186.9	0.1	1.9	0	2.0	0.5	1.0	0	1.5	0	0
Serbia	76.4	66.7	0	0.7	0	0.5	67.8	0.5	7.9	0	8.4	0	0.2	0	0.2	0	0
Spain, Andalusia	155.1	128.5	0.4	0			128.8			19.3	19.3	2.2	4.8	0	7.0	0	0
Spain, Aragon	124.2	81.9	0	0		9.2	91.1	3.0	25.0	0	28.0	2.3	2.9	0	5.2	0	0
Spain, Asturias	138.1	102.0	0	0		0.8	102.7	1.9	29.6	0	31.5	0	3.8	0	3.8	0	0
Spain, Basque country	113.0	86.2	0	0			86.2	0.4	20.3	0	20.8	4.0	2.0	0	6.0	0	0
Spain, Canary Islands	183.5	147.5	0	0	0	0	147.5	0	0	34.4	34.4	0.4	1.2	0	1.6	0	0
Spain, Cantabria *	116.1	88.6	0	0			88.6	0	9.4	0	9.4	0	18.0	0	18.0	0	0
Spain, Castile and León *	109.1	82.9	0	0			82.9	8.9	10.9	0	19.8	4.0	2.4	0	6.4	0	0
Spain, Castile-La Mancha *	114.8	90.1	0	0			90.1	2.8	19.8	0	22.6	0.5	1.7	0	2.1	0	0
Spain, Catalonia	184.1	110.5	0.1	0		30.0	140.7	3.6	19.8	0	23.3	8.6	11.4	0	20.1	0	0
Spain, Community of Madrid	129.7	105.5	0.7	0			106.1	6.0	13.3	0	19.3	2.3	2.0	0	4.3	0	0
Spain, Extremadura	136.1	124.6	0	0			124.6	7.0	4.5	0	11.5	0	0	0	0	0	0
Spain, Galicia	144.2	110.2	0.7	0	0	0	110.9	1.7	24.6	0	26.3	6.4	0.7	0	7.1	0	0
Spain, La Rioja	82.8	62.3	0	0	0	0	62.3	2.8	11.8	0	14.6	6.0	0	0	6.0	0	0
Spain, Murcia	184.5	159.0	0	0	0	0	159.0	2.2	20.4	0	22.6	1.5	1.4	0	2.9	0	0
Spain, Navarre *	149.4	107.8	1.3	0			109.1	31.6	5.8	0	37.4	0	2.9	0	2.9	0	0
Spain, Valencian region	165.1	122.9	2.4	0			125.3	2.7	27.6	0	30.3	1.6	7.9	0	9.5	0	0
Sweden	111.6	67.3	0.4	0			67.7			34.0	34.0	5.5	4.5	0	10.0	0	0
Switzerland	98.0	76.2	0.8	2.4	0.7	0	80.1	2.8	9.3	0.7	12.7	3.2	1.9	0	5.1	0	0
the Netherlands	116.5	79.1	0	0		1.5	80.7	6.3	13.2	0	19.5	13.9	2.5	0	16.3	0	0
United Kingdom, England #	125.8	75.9	0.2	0	0.2	12.8	89.2	13.3	12.8	0.3	26.4	4.6	5.4	0.2	10.2	0	0
United Kingdom, Northern Ireland #	117.2	76.9	0	0	0		77.5	11.2	4.6		17.1	16.6	6.1	0	22.7	0	0
United Kingdom, Scotland	102.8	74.3	0.2	0			74.5	10.5	6.9	0	17.3	6.0	5.0	0	11.0	0	0
United Kingdom, Wales #	124.0	79.1	0	0		7.9	87.3	8.9	18.1	0	27.0	4.7	5.0	0	9.7	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 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

& No distinction is made between HD and HDF

|| 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	74.5	0	0.3	0.3	12.2	87.3	1.9	5.5	0.4	7.8	3.2	1.8	0	4.9	0	0
Belgium, Dutch-speaking *	100	62.4	0	0	0.2	26.8	89.3	4.3	4.5	0	8.9	0.5	1.4	0	1.8	0	0
Belgium, French-speaking *	100	57.1	1.1	0	2.4	28.6	89.2	4.1	5.6	0	9.7	0.5	0.6	0	1.1	0	0
Bosnia and Herzegovina	100	89.5	0	0	0	6.9	96.4	0	3.6	0	3.6	0	0	0	0	0	0
Denmark &	100	57.1	0.2	0			57.3	15.0	18.1	0.3	33.4	4.3	5.0	0	9.3	0	0
Estonia	100	81.6	0	0	0	0	81.6	5.1	13.3	0	18.4	0	0	0	0	0	0
Finland	100	68.5	2.1	0	0	1.5	72.1	5.7	17.7	0	23.4	1.7	1.5	1.3	4.5	0	0
France	100	67.4	0	0.1	0.2	18.3	86.0	2.0	7.8	0	9.8	1.7	2.5	0	4.2	0	0
Greece	100	94.1	0	0	0	0.8	94.9	1.1	3.6	0	4.7	0.4	0	0	0.4	0	0
Iceland	100	64.1	0	0			64.1	10.3	10.3	0	20.5	10.3	2.6	0	12.8	2.6	0
Montenegro *	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Norway	100	63.5	0.2	0			63.7			25.9	25.9	5.1	5.3	0	10.4	0	0
Romania	100	95.1	0	0	0.1	3.0	98.1	0	1.0	0	1.0	0.3	0.5	0	0.8	0	0
Serbia	100	87.5	0	1.0	0	0.6	89.0	0.6	10.2	0	10.8	0	0.2	0	0.2	0	0
Spain, Andalusia	100	82.4	0.2	0			82.6			12.6	12.6	1.5	3.3	0	4.8	0	0
Spain, Aragon	100	66.1	0	0		7.3	73.4	2.3	20.3	0	22.6	1.7	2.3	0	4.0	0	0
Spain, Asturias	100	75.1	0	0		0.6	75.7	1.2	20.8	0	22.0	0	2.3	0	2.3	0	0
Spain, Basque country	100	76.2	0	0			76.2	0.4	18.4	0	18.8	3.6	1.4	0	5.1	0	0
Spain, Canary Islands	100	79.3	0	0	0	0	79.3	0	0	19.6	19.6	0.3	0.8	0	1.0	0	0
Spain, Cantabria *	100	76.0	0	0			76.0	0	8.0	0	8.0	0	16.0	0	16.0	0	0
Spain, Castile and León *	100	77.1	0	0			77.1	7.8	9.7	0	17.6	3.4	1.9	0	5.3	0	0
Spain, Castile-La Mancha *	100	78.5	0	0			78.5	2.5	17.3	0	19.8	0.4	1.3	0	1.7	0	0
Spain, Catalonia	100	60.1	0.1	0		16.3	76.5	1.9	10.7	0	12.6	4.7	6.2	0	10.9	0	0
Spain, Community of Madrid	100	80.8	0.5	0			81.3	4.7	10.4	0	15.2	1.9	1.6	0	3.5	0	0
Spain, Extremadura	100	91.6	0	0			91.6	5.2	3.2	0	8.4	0	0	0	0	0	0
Spain, Galicia	100	77.6	0.4	0	0	0	78.0	1.1	16.6	0	17.7	3.9	0.4	0	4.3	0	0
Spain, La Rioja	100	75.0	0	0	0	0	75.0	3.6	14.3	0	17.9	7.1	0	0	7.1	0	0
Spain, Murcia	100	85.2	0	0	0	0	85.2	1.2	11.9	0	13.1	0.8	0.8	0	1.6	0	0
Spain, Navarre *	100	72.5	1.0	0			73.5	20.6	3.9	0	24.5	0	2.0	0	2.0	0	0
Spain, Valencian region	100	74.4	1.4	0			75.9	1.6	16.7	0	18.4	0.9	4.8	0	5.8	0	0
Sweden	100	60.1	0.3	0			60.4			31.0	31.0	4.6	4.0	0	8.6	0	0
Switzerland	100	77.7	0.8	2.5	0.7	0	81.7	2.8	9.6	0.7	13.1	3.3	1.9	0	5.2	0	0
the Netherlands	100	67.8	0	0		1.3	69.1	5.4	11.6	0	16.9	11.8	2.2	0	14.0	0	0
United Kingdom, England #	100	60.4	0.2		0.2	10.2	70.9	10.6	10.1	0.3	21.0	3.6	4.3	0.1	8.1	0	0
United Kingdom, Northern Ireland #	100	65.7	0	0	0		66.2	9.7	3.9		14.5	14.0	5.3	0	19.3	0	0
United Kingdom, Scotland	100	72.6	0.2	0			72.8	10.1	6.5	0	16.6	5.8	4.8	0	10.6	0	0
United Kingdom, Wales #	100	64.9	0	0		6.5	71.6	6.7	14.4	0	21.1	3.5	3.7	0	7.2	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

& No distinction is made between HD and HDF

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

Values based on 1 to 5 patients are suppressed

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

	All				0-19				20-44				45-64				65-74				75+				Men				Women				DM				Non-DM			
	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Austria §	87	8	5	0	32	11	58	0	72	11	17	0	83	11	7	0	91	7	1	0	95	5	0	0	87	8	5	0	89	7	5	0	95	4	1	0	85	9	6	0
Belgium, Dutch-speaking *	89	9	2	0					80	15	5	0	81	14	5	0	89	10	1	0	95	5	0	0	89	9	2	0	90	8	2	0	91	8	1	0	89	9	2	0
Belgium, French-speaking *	89	10	1	0					80	17	2	0	89	8	3	0	91	9	0	0	90	10	0	0	90	9	1	0	89	10	1	0	92	8	0	0	88	10	1	0
Bosnia and Herzegovina	96	4	0	0	100	0	0	0	95	5	0	0	97	3	0	0	96	4	0	0	96	4	0	0	97	3	0	0	95	5	0	0	98	2	0	0	96	4	0	0
Denmark	57	33	9	0	8	25	67	0	49	34	17	0	50	37	13	0	65	30	5	0	66	34	0	0	57	35	8	0	57	31	11	0	57	39	4	0	58	31	11	0
Estonia	82	18	0	0	50	50	0	0	84	16	0	0	80	20	0	0	83	17	0	0	83	17	0	0	84	16	0	0	78	22	0	0	76	24	0	0	83	17	0	0
Finland	72	23	5	0	43	14	43	0	73	21	6	0	71	23	7	0	70	28	3	0	79	20	1	0	73	22	4	0	70	25	5	0	75	23	3	0	71	24	5	0
France	86	10	4	0	56	22	22	0	73	14	14	0	83	9	7	0	89	8	3	0	89	10	1	0	87	9	4	0	84	11	5	0	91	7	1	0	84	10	5	0
Greece	95	5	0	0	33	33	33	0	89	9	3	0	90	9	1	0	95	5	0	0	98	2	0	0	95	4	0	0	94	6	0	0	97	3	0	0	94	5	1	0
Iceland	64	21	13	3	0	0	0	0	67	33	0	0	82	0	18	0	58	17	25	0	50	40	0	10	61	17	17	4	69	25	6	0	67	33	0	0	64	19	14	3
Montenegro *	100	0	0	0					100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0
Norway	64	26	10	0	23	23	54	0	50	25	25	0	63	27	10	0	67	22	10	0	69	29	2	0	63	27	10	0	66	24	10	0	69	26	5	0	62	26	12	0
Romania	98	1	1	0	81	13	6	0	94	1	5	0	98	1	1	0	99	1	0	0	99	1	0	0	98	1	1	0	98	1	1	0	98	2	0	0	98	1	1	0
Serbia	89	11	0	0	100	0	0	0	81	17	2	0	89	11	0	0	92	8	0	0	88	13	0	0	90	10	0	0	87	13	0	0	83	17	0	0	91	9	0	0
Spain, Andalusia	83	13	5	0	42	25	33	0	78	12	10	0	77	15	8	0	86	12	2	0	90	10	0	0	84	12	5	0	81	14	5	0	89	9	2	0	80	14	6	0
Spain, Aragon	73	23	4	0	100	0	0	0	71	24	6	0	54	40	6	0	82	15	3	0	82	16	2	0	72	23	5	0	77	21	2	0	86	12	2	0	69	27	5	0
Spain, Asturias	76	22	2	0	0	0	0	0	38	54	8	0	65	29	6	0	79	21	0	0	90	10	0	0	78	20	2	0	71	27	2	0	82	18	0	0	74	23	3	0
Spain, Basque country	76	19	5	0	43	14	43	0	81	11	7	0	77	17	6	0	70	24	6	0	81	19	0	0	74	20	6	0	81	17	2	0	86	14	0	0	73	20	7	0
Spain, Canary Islands	79	20	1	0	0	0	0	0	78	19	3	0	71	27	2	0	81	19	0	0	90	10	0	0	78	21	1	0	82	17	1	0	83	17	0	0	78	21	2	0
Spain, Cantabria *	76	8	16	0					63	13	25	0	73	5	23	0	73	5	23	0	87	13	0	0	75	7	18	0	80	10	10	0	85	10	5	0	73	7	20	0
Spain, Castile and León *	77	18	5	0					55	20	25	0	70	23	7	0	79	17	5	0	86	13	1	0	74	20	6	0	83	12	4	0	89	9	1	0	73	21	7	0
Spain, Castile-La Mancha *	78	20	2	0					60	35	5	0	68	30	3	0	78	20	1	0	95	5	0	0	79	21	1	0	78	18	4	0	82	18	0	0	77	21	2	0
Spain, Catalonia	76	13	11	0	37	16	47	0	62	19	19	0	73	11	16	0	72	16	11	0	89	8	2	0	76	13	11	0	77	12	11	0	84	14	2	0	75	12	13	0
Spain, Community of Madrid	81	15	4	0	92	0	8	0	70	21	9	0	73	20	7	0	82	17	0	0	93	7	0	0	83	15	3	0	78	16	6	0	85	15	0	0	80	15	5	0
Spain, Extremadura	92	8	0	0	100	0	0	0	77	23	0	0	86	14	0	0	98	2	0	0	98	2	0	0	91	9	0	0	92	8	0	0	89	11	0	0	92	8	0	0
Spain, Galicia	78	18	4	0	25	50	25	0	76	14	11	0	66	25	9	0	83	17	1	0	89	11	0	0	78	18	4	0	77	17	6	0	88	11	1	0	74	20	6	0
Spain, La Rioja	75	18	7	0	0	0	0	0	100	0	0	0	56	22	22	0	100	0	0	0	67	33	0	0	80	15	5	0	63	25	13	0	89	11	0	0	68	21	11	0
Spain, Murcia	85	13	2	0	0	100	0	0	69	24	7	0	80	19	2	0	87	11	1	0	96	4	0	0	86	13	2	0	85	14	1	0	87	11	2	0	85	14	2	0
Spain, Navarre *	74	25	2	0					75	25	0	0	68	24	8	0	72	28	0	0	78	23	0	0	79	19	3	0	63	38	0	0	83	17	0	0	71	27	3	0
Spain, Valencian region	76	18	6	0	75	25	0	0	61	25	14	0	67	24	9	0	78	18	5	0	87	12	1	0	76	19	5	0	77	17	7	0	85	13	2	0	73	20	7	0
Sweden	60	31	9	0	39	44	17	0	47	32	20	0	61	26	13	0	58	35	7	0	68	32	1	0	57	35	8	0	66	24	10	0	68	28	5	0	58	32	10	0
Switzerland	82	13	5	0	36	36	27	0	64	21	15	0	76	16	8	0	85	11	4	0	90	10	0	0	82	13	5	0	82	13	5	0	88	8	4	0	80	14	5	0
the Netherlands	69	17	14	0	38	17	46	0	60	13	27	0	65	16	19	0	69	19	12	0	81	17	2	0	69	18	13	0	69	16	16	0	81	15	5	0	66	17	16	0
United Kingdom, England #	71	21	8	0	38	43	19	0	59	27	13	0	67	22	11	0	77	17	6	0	81	18	1	0	72	21	8	0	69	22	9	0	76	21	3	0	69	21	10	0
United Kingdom, Northern Ireland #	66	14	19	0					50	13	37	0	67	13	20	0	70	13	17	0	75	20	5	0	71	13	16	0	56	18	25	0	79				63	15	22	0
United Kingdom, Scotland	73	17	11	0	70	10	20	0	56	25	19	0	71	16	13	0	79	16	5	0	89	9	1	0	77	16	7	0	66	17	17	0	78	14	8	0	71	18	12	0
United Kingdom, Wales #	72	21	7	0	14	71	14	0	42	41	17	0	76	15	9	0	76	19	5	0	85	14	1	0	73	21	6	0	70	21	9	0	79	16	5	0	67	24	9	0

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

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

§ 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 §	1064	711	353	14	1	7	1	7	2	107	10	77	11	30	8	313	29	221	31	92	26	290	27	195	27	95	27	340	32	211	30	129	37		
Belgium, Dutch-speaking *	1162	718	444							71	6	41	6	30	7	270	23	163	23	107	24	292	25	182	25	110	25	529	46	332	46	197	44		
Belgium, French-speaking *	892	558	334							67	8	34	6	33	10	260	29	171	31	89	27	283	32	196	35	87	26	282	32	157	28	125	37		
Bosnia and Herzegovina	364	225	139	0	0	0	0	0	0	41	11	27	12	14	10	145	40	91	40	54	39	101	28	60	27	41	29	77	21	47	21	30	22		
Denmark	603	380	223	11	2	9	2	2	1	85	14	56	15	29	13	195	32	123	32	72	32	190	32	110	29	80	36	122	20	82	22	40	18		
Estonia	97	61	36	2	2	1	2	1	3	19	20	14	23	5	14	34	35	22	36	12	33	24	25	13	21	11	31	18	19	11	18	7	19		
Finland	522	330	192	7	1	4	1	3	2	68	13	44	13	24	13	175	34	106	32	69	36	157	30	103	31	54	28	115	22	73	22	42	22		
France †	10660	6884	3776	103	1	60	1	43	1	931	9	561	8	370	10	2715	25	1716	25	999	26	3062	29	2022	29	1040	28	3848	36	2525	37	1323	35		
Greece	2580	1684	896	6	0	4	0	2	0	141	5	97	6	44	5	566	22	373	22	193	22	685	27	472	28	213	24	1182	46	738	44	444	50		
Iceland	37	21	16	0	0	0	0	0	0	5	14	2	10	3	19	12	32	8	38	4	25	11	30	7	33	4	25	9	24	4	19	5	31		
Montenegro * ‡	59	38	21							9	15	3	8	6	29	25	42	18	47	7	33	22	37	13	34	9	43	4	7	5	13	0	0		
Norway	572	388	184	13	2	6	2	7	4	69	12	46	12	23	13	163	28	110	28	53	29	169	30	116	30	53	29	158	28	110	28	48	26		
Romania	2736	1618	1118	27	1	12	1	15	1	303	11	184	11	119	11	1137	42	721	45	416	37	826	30	467	29	359	32	443	16	234	14	209	19		
Serbia	522	354	168	6	1	4	1	2	1	54	10	34	10	20	12	203	39	132	37	71	42	178	34	131	37	47	28	81	16	53	15	28	17		
Spain, Andalusia	1255	813	442	13	1	4	0	9	2	145	12	95	12	50	11	414	33	285	35	129	29	374	30	249	31	125	28	309	25	180	22	129	29		
Spain, Aragon	175	124	51	2	1	0	0	2	4	17	10	13	10	4	8	48	27	33	27	15	29	58	33	41	33	17	33	50	29	37	30	13	25		
Spain, Asturias	168	118	50	0	0	0	0	0	0	13	8	6	5	7	14	44	26	32	27	12	24	54	32	39	33	15	30	57	34	41	35	16	32		
Spain, Basque country	260	175	85	7	3	5	3	2	2	25	10	14	8	11	13	87	33	55	31	32	38	62	24	44	25	18	21	79	30	57	33	22	26		
Spain, Canary Islands †	392	253	139	0	0	0	0	0	0	36	9	22	9	14	10	140	36	89	35	51	37	106	27	70	28	36	26	110	28	72	28	38	27		
Spain, Cantabria *	72	52	20							8	11	5	10	3	15	22	31	15	29	7	35	19	26	15	29	4	20	23	32	17	33	6	30		
Spain, Castile and León * †	316	205	112							20	6	10	5	10	9	95	30	58	28	37	33	84	27	57	28	27	24	117	37	79	39	38	34		
Spain, Castile-La Mancha *	219	144	75							16	7	8	6	8	11	72	33	50	35	22	29	59	27	37	26	22	29	72	33	49	34	23	31		
Spain, Catalonia †	1332	904	428	18	1	13	1	5	1	123	9	81	9	43	10	398	30	274	30	124	29	367	28	256	28	112	26	426	32	281	31	145	34		
Spain, Community of Madrid	785	534	251	13	2	7	1	6	2	85	11	55	10	30	12	252	32	166	31	86	34	203	26	140	26	63	25	232	30	166	31	66	26		
Spain, Extremadura	147	88	59	1	1	1	1	0	0	13	9	8	9	5	8	56	38	33	38	23	39	42	29	25	28	17	29	35	24	21	24	14	24		
Spain, Galicia	456	313	143	5	1	3	1	2	1	41	9	27	9	14	10	153	34	100	32	53	37	130	29	93	30	37	26	127	28	90	29	37	26		
Spain, La Rioja †	25	19	7	0	0	0	0	0	0	2	8	2	11	0	0	8	32	5	26	3	43	7	28	6	32	1	14	9	36	6	32	3	43		
Spain, Murcia	238	169	69	2	1	1	1	1	1	28	12	19	11	9	13	64	27	44	26	20	29	68	29	51	30	17	25	76	32	54	32	22	32		
Spain, Navarre *	102	70	32							8	8	3	4	5	16	25	25	21	30	4	13	29	28	21	30	8	25	40	39	25	36	15	47		
Spain, Valencian region	816	581	235	4	0	3	1	1	0	78	10	54	9	24	10	233	29	159	27	74	31	254	31	190	33	64	27	247	30	175	30	72	31		
Sweden	1060	701	359	17	2	8	1	9	3	127	12	84	12	43	12	329	31	211	30	118	33	288	27	199	28	89	25	299	28	199	28	100	28		
Switzerland †	839	561	277	11	1	6	1	5	2	77	9	51	9	26	9	245	29	160	29	84	30	218	26	142	25	76	27	288	34	201	36	86	31		
the Netherlands ‡	1850	1161	689	24	1	16	1	8	1	209	11	115	10	94	14	574	31	349	30	225	33	589	32	377	32	212	31	454	25	304	26	150	22		
United Kingdom, England † #	6532	4166	2366	132	2	68	2	64	3	1000	15	583	14	417	18	2320	36	1449	35	871	37	1609	25	1024	25	584	25	1472	23	1042	25	430	18		
United Kingdom, Northern Ireland † #	198	131	67							0	0	38	19	29	22	9	13	67	34	36	28	31	46	52	26	37	29	14	21	39	20	26	20	13	19
United Kingdom, Scotland †	545	324	221	10	2	8	3	2	1	107	19	68	20	39	17	218	41	123	38	95	45	130	25	76	25	54	25	80	13	49	14	30	12		
United Kingdom, Wales † #	390	242	148	7	2					63	16	33	14	30	20	122	31	78	32	44	29	100	26	63	26	37	25	98	25	65	27	33	22		

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 §	120.1	163.2	78.4	8.2	7.9	8.4	36.8	52.2	21.0	121.9	173.3	71.1	347.9	502.1	213.4	407.1	630.9	257.7
Belgium, Dutch-speaking *	175.6	219.1	132.9				35.0	40.1	29.8	148.5	177.8	118.7	419.1	536.0	308.0	816.1	1244.3	516.5
Belgium, French-speaking *	183.1	233.8	134.4				41.5	41.9	41.0	205.5	271.4	140.1	612.3	912.6	351.6	746.1	1105.7	529.7
Bosnia and Herzegovina	103.1	129.9	77.3	0	0	0	33.5	43.4	23.3	142.3	183.2	103.3	343.5	465.4	248.3	370.2	585.9	234.8
Denmark	102.7	130.0	75.6	8.4	13.4	3.1	45.8	59.4	31.7	125.8	158.4	93.1	292.5	348.7	239.4	243.4	382.1	139.5
Estonia	73.1	97.2	51.5	7.1	6.9	7.3	43.8	62.1	24.0	97.5	131.8	66.0	174.1	236.9	132.6	142.6	302.3	77.9
Finland	94.5	121.1	68.7	6.0	6.7	5.2	39.4	49.5	28.7	124.6	151.1	98.1	224.4	310.4	146.8	221.9	359.0	133.4
France †	158.5	211.8	108.7	6.3	7.2	5.4	46.6	57.0	36.5	155.7	202.0	111.7	420.5	594.1	268.2	609.3	1029.9	342.4
Greece	240.6	323.1	162.6	2.9	3.7	2.0	43.0	58.6	27.1	189.4	261.0	123.8	585.1	867.8	339.8	981.7	1445.5	640.3
Iceland	102.6	113.6	91.1	0	0	0	37.9	28.6	48.3	138.2	181.1	93.7	365.7	463.0	267.4	418.1	417.4	418.6
Montenegro * ‡	95.4	124.6	66.8				40.9	24.8	57.6	151.4	221.5	84.1	377.1	506.2	270.8	107.2	311.5	0
Norway	107.0	143.9	69.4	10.4	9.3	11.5	38.7	50.2	26.5	118.1	156.2	78.4	317.8	441.1	197.2	396.4	651.1	209.0
Romania	143.2	173.1	114.6	6.7	5.8	7.7	48.4	56.9	39.3	216.7	276.4	157.6	405.4	528.2	311.3	287.5	416.3	213.6
Serbia	83.5	116.2	52.4	5.0	6.4	3.4	26.7	33.0	20.2	117.8	157.8	80.0	228.4	373.7	109.6	157.6	260.1	90.3
Spain, Andalusia	148.5	194.9	103.2	7.3	4.3	10.4	52.4	67.8	36.6	170.0	235.9	105.1	485.5	682.4	308.3	447.3	650.9	311.4
Spain, Aragon	132.0	189.5	76.0	8.0	0	16.6	42.4	63.8	20.3	123.8	168.1	78.3	425.9	633.3	237.9	330.4	609.8	143.4
Spain, Asturias	164.6	241.9	93.9	0	0	0	46.3	42.5	50.2	135.2	201.8	71.9	409.1	639.7	211.2	431.6	825.6	194.2
Spain, Basque country	119.1	165.6	75.4	17.2	23.9	10.1	40.3	45.2	35.5	131.7	168.9	95.5	250.3	380.0	136.4	318.0	595.3	144.1
Spain, Canary Islands †	176.4	229.7	124.1	0	0	0	46.3	57.2	35.5	204.5	258.4	150.0	533.0	733.1	347.6	668.8	1039.9	401.2
Spain, Cantabria *	123.7	183.3	67.0				46.6	57.5	35.4	123.1	169.4	77.6	290.7	487.6	115.6	363.7	701.0	153.9
Spain, Castile and León * †	131.8	173.2	91.7				29.8	29.1	30.4	129.6	157.5	101.1	305.9	422.3	193.4	351.3	590.6	190.4
Spain, Castile-La Mancha *	107.3	140.6	73.8				24.5	23.7	25.4	122.8	166.9	76.7	327.1	421.1	237.8	346.3	570.1	188.6
Spain, Catalonia †	173.6	239.9	109.6	11.3	16.2	6.2	48.5	62.6	34.0	186.7	258.6	115.7	500.6	751.2	283.8	600.9	1009.7	336.7
Spain, Community of Madrid	117.8	167.5	72.2	9.7	10.1	9.2	37.5	49.4	26.0	134.7	185.6	88.1	335.4	517.1	188.4	402.9	755.1	185.4
Spain, Extremadura	137.7	166.5	109.4	5.1	9.9	0	39.2	47.2	30.8	176.8	205.7	147.2	401.3	491.3	316.2	300.3	455.2	198.8
Spain, Galicia	168.8	240.1	102.3	11.7	13.5	9.6	52.1	68.2	35.8	190.7	254.5	129.5	403.2	614.8	216.2	351.7	635.5	168.6
Spain, La Rioja †	80.5	120.4	41.8	0	0	0	21.1	42.0	0	83.1	107.8	58.1	207.8	382.5	40.7	259.9	404.2	161.7
Spain, Murcia	159.3	226.1	92.5	5.9	5.7	6.0	54.5	71.6	36.2	158.1	215.7	99.6	561.4	895.3	265.0	676.8	1188.7	329.0
Spain, Navarre *	156.1	216.9	96.8				39.9	29.7	50.3	133.4	221.6	43.2	448.5	672.4	239.3	613.4	953.1	384.8
Spain, Valencian region	163.1	235.7	92.6	4.0	5.9	2.1	48.6	66.2	30.4	161.3	221.3	101.9	503.5	804.0	238.7	537.7	942.2	263.1
Sweden	103.1	135.6	70.3	7.1	6.5	7.8	38.3	49.2	26.7	130.5	165.6	94.6	260.2	366.0	158.1	316.8	485.5	187.3
Switzerland †	97.8	132.0	64.2	6.4	6.8	6.0	27.1	35.4	18.5	101.4	132.2	70.3	263.2	359.0	175.2	376.9	641.1	192.2
the Netherlands	114.7	144.9	84.9	6.8	8.9	4.7	41.9	45.7	38.0	127.6	155.1	100.0	329.5	428.9	233.4	341.0	539.4	195.4
United Kingdom, England † #	116.0	149.7	83.1	9.9	9.9	9.9	54.8	63.5	45.9	161.0	204.0	119.2	288.5	381.8	202.0	308.1	507.5	157.8
United Kingdom, Northern Ireland † #	104.4	140.1	69.7				62.8	96.3	29.6	137.9	151.9	124.5	301.7	450.4	162.2	269.5	431.7	152.2
United Kingdom, Scotland †	99.7	121.7	78.8	8.7	13.6	3.6	60.4	77.0	44.1	145.1	168.9	122.7	225.4	275.8	179.1	171.0	256.1	111.0
United Kingdom, Wales † #	123.7	155.4	92.8	10.0			66.1	68.1	64.0	146.6	193.1	102.5	276.7	361.5	196.9	325.6	501.4	191.4

§ 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	65.5	15.7	68.9	57.6	77.3	66.8	65.0	15.4	68.3	57.0	76.6	33.2	66.7	16.1	70.1	58.9	78.5
Belgium, Dutch-speaking *	100	70.6	14.3	73.5	63.1	81.3	61.8	70.7	14.1	73.8	63.8	81.0	38.2	70.3	14.6	73.0	61.7	81.9
Belgium, French-speaking *	100	67.6	13.9	69.6	60.0	77.2	62.6	67.6	13.2	69.6	60.6	76.4	37.4	67.6	15.0	70.1	59.1	79.2
Bosnia and Herzegovina	100	63.2	13.7	64.5	55.5	73.4	61.8	62.6	14.2	63.5	55.6	72.9	38.2	64.2	12.7	65.7	55.3	73.7
Denmark	100	61.7	16.3	65.9	51.8	73.8	63.0	61.0	16.9	65.2	49.8	74.2	37.0	62.8	15.2	66.4	53.1	73.5
Estonia	100	59.6	17.4	63.1	50.0	73.2	62.9	58.3	17.3	59.8	45.9	73.0	37.1	61.9	17.7	65.5	55.5	74.2
Finland	100	62.1	16.5	65.9	52.7	73.9	63.2	62.2	16.7	66.2	51.7	73.8	36.8	62.0	16.3	65.2	53.6	74.2
France †	100	67.6	15.7	70.3	59.6	79.3	64.6	68.1	15.3	70.7	60.2	79.4	35.4	66.8	16.5	69.8	58.3	79.1
Greece	100	71.1	14.1	73.6	63.4	81.7	65.3	70.6	14.1	73.3	63.1	81.1	34.7	72.1	13.9	74.8	63.9	82.6
Iceland	100	62.7	14.3	66.6	53.3	73.9	56.8	62.1	13.1	65.5	56.8	69.4	43.2	63.6	16.1	67.7	46.5	80.1
Montenegro * †	100	61.5	12.9	63.4	58.2	67.3	64.6	63.9	12.2	63.9	60.1	69.7	35.4	57.1	13.4	61.3	45.4	67.2
Norway	100	63.5	17.4	67.8	53.7	75.8	67.8	64.0	17.0	68.5	54.7	75.9	32.2	62.3	18.1	66.9	50.6	75.6
Romania	100	61.9	14.1	64.0	53.6	71.4	59.1	61.3	14.0	63.0	52.4	70.9	40.9	62.8	14.3	65.2	55.6	72.1
Serbia	100	62.0	14.5	64.9	55.3	71.7	67.8	62.2	14.4	65.2	55.3	71.2	32.2	61.5	14.8	64.3	54.3	72.3
Spain, Andalusia	100	63.7	14.9	66.8	54.5	74.9	64.8	63.5	14.3	66.1	54.5	74.0	35.2	64.2	15.9	68.4	53.7	76.4
Spain, Aragon	100	65.3	15.4	69.1	57.3	76.2	70.9	66.3	14.9	69.2	57.8	77.3	29.1	62.7	16.5	68.5	53.7	75.4
Spain, Asturias	100	68.0	13.2	69.2	62.8	78.0	70.2	69.7	11.1	70.6	63.5	78.3	29.8	64.0	16.7	67.5	50.4	77.2
Spain, Basque country	100	64.4	16.5	67.3	55.7	76.2	67.3	65.0	16.7	69.0	56.4	76.5	32.7	63.0	15.9	63.9	52.7	75.8
Spain, Canary Islands †	100	65.4	14.1	67.4	56.1	76.1	64.5	65.1	14.0	67.4	55.1	75.8	35.5	65.7	14.4	67.4	56.3	76.9
Spain, Cantabria *	100	66.0	13.9	67.8	58.5	76.6	72.2	66.7	12.9	68.2	60.7	76.6	27.8	64.2	16.4	66.5	54.4	77.6
Spain, Castile and León * †	100	68.0	13.4	69.4	60.1	79.2	64.7	68.2	12.8	70.3	60.2	78.2	35.3	67.5	14.4	68.6	59.4	80.2
Spain, Castile-La Mancha *	100	66.8	14.2	69.7	58.6	78.5	65.8	67.2	13.2	70.0	58.9	78.0	34.2	66.1	16.0	67.9	56.3	78.8
Spain, Catalonia †	100	65.9	15.8	69.5	57.2	77.2	67.9	65.8	15.7	69.1	57.8	76.6	32.1	66.1	16.1	70.6	56.0	78.2
Spain, Community of Madrid	100	64.4	16.1	67.5	54.6	76.2	68.0	65.1	15.8	68.0	55.5	76.6	32.0	62.9	16.7	65.7	53.5	75.5
Spain, Extremadura	100	64.7	13.4	67.1	56.8	74.4	59.9	64.7	14.2	67.3	57.4	74.5	40.1	64.6	12.2	66.4	56.6	74.4
Spain, Galicia	100	65.3	14.4	67.7	56.6	76.3	68.6	65.9	14.3	68.0	57.9	76.7	31.4	63.9	14.6	65.5	53.4	75.4
Spain, La Rioja †	100	67.8	16.4	73.9	60.3	77.9	73.7	67.4	17.4	73.5	60.5	77.9	26.3	69.2	14.8	75.0	57.1	80.2
Spain, Murcia	100	65.5	15.2	68.9	56.7	76.9	71.0	65.8	14.7	69.9	57.6	76.3	29.0	64.9	16.6	68.1	52.1	77.3
Spain, Navarre *	100	68.7	14.3	71.8	59.8	79.4	68.6	68.9	12.4	71.3	59.8	79.0	31.4	68.1	18.0	73.9	60.3	80.9
Spain, Valencian region	100	66.1	14.5	68.9	58.5	77.1	71.2	66.2	14.5	69.1	58.8	77.1	28.8	65.8	14.5	68.4	57.4	77.3
Sweden	100	63.6	16.9	67.6	53.8	76.3	66.1	64.3	16.5	67.8	55.3	76.5	33.9	62.3	17.6	67.1	52.2	75.7
Switzerland †	100	66.5	15.7	69.5	58.3	78.4	66.9	66.7	15.6	69.9	59.0	78.5	33.1	65.9	15.8	68.7	57.6	77.8
the Netherlands	100	63.8	15.5	67.4	55.3	74.9	62.8	64.6	15.3	68.3	56.2	75.2	37.2	62.6	15.8	65.9	53.6	73.8
United Kingdom, England †	100	60.9	17.2	63.8	50.8	73.9	63.8	62.2	16.7	64.9	52.3	75.0	36.2	58.7	17.7	61.8	48.4	72.4
United Kingdom, Northern Ireland †	100	60.9	16.9	62.8	50.5	73.3	66.1	60.4	18.2	64.2	45.3	73.8	33.9	61.8	14.3	62.7	53.7	73.2
United Kingdom, Scotland †	100	58.1	16.3	61.0	48.0	70.7	59.5	57.5	17.1	60.3	46.4	71.2	40.5	58.9	14.9	61.6	48.3	69.0
United Kingdom, Wales †	100	62.0	17.4	65.8	49.7	75.4	62.0	63.5	16.2	67.1	53.7	75.9	38.0	59.6	19.0	62.2	46.2	74.6

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 §	117.8	159.7	77.9
Belgium, Dutch-speaking *	163.2	199.3	128.8
Belgium, French-speaking *	198.7	253.1	146.9
Bosnia and Herzegovina	117.2	151.6	84.4
Denmark	100.4	126.8	75.2
Estonia	74.0	101.7	47.5
Finland	89.5	114.4	65.7
France †	155.7	205.0	108.7
Greece	208.6	274.2	146.1
Iceland	127.7	134.0	121.6
Montenegro * †	100.1	135.1	66.7
Norway	112.0	150.2	75.6
Romania	142.8	176.6	110.6
Serbia	78.0	108.8	48.7
Spain, Andalusia	153.0	200.2	108.0
Spain, Aragon	122.5	173.7	73.7
Spain, Asturias	134.2	188.2	82.7
Spain, Basque country	106.3	146.5	67.9
Spain, Canary Islands †	183.9	236.8	133.4
Spain, Cantabria *	112.2	163.5	63.3
Spain, Castile and León * †	107.7	137.4	79.4
Spain, Castile-La Mancha *	105.7	138.4	74.5
Spain, Catalonia †	174.8	241.7	111.0
Spain, Community of Madrid	123.8	174.9	75.1
Spain, Extremadura	130.1	154.8	106.5
Spain, Galicia	142.1	197.4	89.4
Spain, La Rioja †	75.1	110.2	41.7
Spain, Murcia	180.2	261.3	102.8
Spain, Navarre *	149.0	203.6	97.0
Spain, Valencian region	158.5	229.0	91.2
Sweden	101.8	132.9	72.2
Switzerland †	97.0	130.3	65.3
the Netherlands	111.2	138.0	85.6
United Kingdom, England †	119.3	152.8	87.3
United Kingdom, Northern Ireland †	111.9	149.6	75.8
United Kingdom, Scotland †	98.9	119.5	79.3
United Kingdom, Wales †	120.2	149.4	92.3

§ 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)

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 §	120.1	100	11.4	9.5	3.7	3.1	4.4	3.7	2.3	1.9	27.1	22.6	29.3	24.4	15.4	12.8	2.7	2.3	24.6	20.5	28.1	23.4	0.5	0.4
Belgium, Dutch-speaking *	175.6	100	17.5	10.0	7.1	4.0	10.6	6.0	6.0	3.4	28.0	15.9	34.0	19.4	17.8	10.2	6.8	3.9	64.7	36.8	17.1	9.7	0	0
Belgium, French-speaking *	183.1	100	16.0	8.7	7.6	4.1	7.6	4.1	3.3	1.8	41.1	22.4	44.3	24.2	31.2	17.0	2.7	1.5	48.7	26.6	25.0	13.7	0	0
Bosnia and Herzegovina	103.1	100	7.6	7.4	8.2	8.0	3.4	3.3	4.2	4.1	25.8	25.0	30.0	29.1	14.7	14.3	1.7	1.6	22.7	22.0	14.7	14.3	0	0
Denmark	102.7	100	12.8	12.4	5.3	5.1	8.9	8.6	6.3	6.1	20.3	19.7	26.6	25.9	11.9	11.6	1.4	1.3	18.1	17.6	17.9	17.4	0	0
Estonia	73.1	100	9.8	13.4	6.0	8.2	0.8	1.0					15.1	20.6	24.1	33.0	0	0	17.3	23.7	0	0	0	0
Finland	94.5	100	14.1	14.9	3.6	3.8	11.8	12.5	10.9	11.5	17.2	18.2	28.1	29.7	7.6	8.0	0.5	0.6	27.9	29.5	0.9	1.0	0	0
France †	158.5	100	18.0	11.4	7.5	4.7	9.6	6.1					37.5	23.6	38.3	24.1	1.3	0.8	21.8	13.8	24.5	15.5	0	0
Greece	240.6	100	17.3	7.2	10.4	4.3	8.5	3.5	3.4	1.4	60.5	25.2	63.9	26.6	23.8	9.9	3.2	1.3	29.1	12.1	84.4	35.1	0	0
Iceland	102.6	100	22.2	21.6	0	0	13.9	13.5	0	0	8.3	8.1	8.3	8.1	25.0	24.3	2.8	2.7	27.7	27.0	2.8	2.7	0	0
Montenegro * †	95.4	100	15.0	15.7	3.2	3.4	3.2	3.4	6.4	6.7	14.5	15.2	20.9	21.9	26.3	27.5	0	0	16.1	16.9	10.7	11.2	0	0
Norway	107.0	100	15.9	14.9	3.4	3.1	6.9	6.5	4.5	4.2	15.3	14.3	19.8	18.5	32.7	30.6	1.5	1.4	23.2	21.7	3.0	2.8	0.6	0.5
Romania	143.2	100	12.6	8.8	5.2	3.7	3.8	2.7					17.2	12.0	10.9	7.6	0.9	0.6	18.9	13.2	73.7	51.5	0	0
Serbia	83.5	100	6.7	8.0	7.7	9.2	4.0	4.8					21.0	25.1	27.8	33.3	0.5	0.6	12.6	15.1	3.2	3.8	0	0
Spain, Andalusia	148.5	100	18.1	12.2	8.3	5.6	9.8	6.6					39.9	26.9	17.4	11.7	1.1	0.7	28.7	19.4	24.8	16.7	0.4	0.2
Spain, Aragon	132.0	100	24.1	18.3	6.0	4.6	8.3	6.3	2.3	1.7	34.7	26.3	37.0	28.0	15.1	11.4	0.8	0.6	15.8	12.0	24.9	18.9	0	0
Spain, Asturias	164.6	100	25.5	15.5	7.8	4.8	5.9	3.6	2.9	1.8	39.2	23.8	42.1	25.6	25.5	15.5	0	0	32.3	19.6	25.5	15.5	0	0
Spain, Basque country	119.1	100	13.7	11.5	5.5	4.6	9.2	7.7	1.4	1.2	28.4	23.8	29.8	25.0	22.9	19.2	0.5	0.4	17.9	15.0	19.7	16.5	0	0
Spain, Canary Islands †	176.4	100	22.5	12.8	5.9	3.3	9.9	5.6	7.2	4.1	50.4	28.6	57.6	32.7	12.2	6.9	0.9	0.5	43.2	24.5	24.3	13.8	0	0
Spain, Cantabria *	123.7	100	36.1	29.2	3.4	2.8	5.2	4.2	0	0	32.6	26.4	32.6	26.4	8.6	6.9	10.3	8.3	18.9	15.3	8.6	6.9	0	0
Spain, Castile and León * † ‡	131.8	100	17.6	13.4	9.6	7.3	5.4	4.1	6.7	5.1	28.8	21.8	35.4	26.9	20.8	15.8	1.7	1.3	26.3	19.9	15.0	11.4	0	0
Spain, Castile-La Mancha *	107.3	100	13.7	12.8	12.7	11.9	6.4	5.9					31.9	29.7	3.4	3.2	7.8	7.3	10.3	9.6	21.1	19.6	0	0
Spain, Catalonia †	173.6	100	14.9	8.6	6.3	3.7	9.9	5.7	1.2	0.7	28.1	16.2	29.4	16.9	13.6	7.9	3.3	1.9	63.3	36.5	32.8	18.9	0	0
Spain, Community of Madrid	117.8	100	21.3	18.1	3.3	2.8	8.0	6.8	3.2	2.7	27.8	23.6	30.9	26.2	11.1	9.4	3.0	2.5	33.0	28.0	7.2	6.1	0	0
Spain, Extremadura	137.7	100	18.7	13.6	6.6	4.8	10.3	7.5					30.0	21.8	8.4	6.1	3.7	2.7	17.8	12.9	42.1	30.6	0	0
Spain, Galicia	168.8	100	17.4	10.3	8.5	5.0	13.0	7.7	5.6	3.3	40.0	23.7	45.5	27.0	10.7	6.4	1.5	0.9	28.9	17.1	43.3	25.7	0	0
Spain, La Rioja †	80.5	100	3.2	3.9	6.4	7.9	6.4	7.9	0	0	24.4	30.3	24.4	30.3	9.5	11.8	0	0	25.4	31.6	5.3	6.6	0	0
Spain, Murcia	159.3	100	31.5	19.7	14.1	8.8	12.7	8.0	7.4	4.6	32.1	20.2	39.5	24.8	12.7	8.0	0.7	0.4	25.4	16.0	22.8	14.3	0	0
Spain, Navarre *	156.1	100	15.3	9.8	7.7	4.9	9.2	5.9	4.6	2.9	32.1	20.6	36.7	23.5	26.0	16.7	0	0	33.7	21.6	27.6	17.6	0	0
Spain, Valencian region	163.1	100	17.6	10.8	7.8	4.8	10.0	6.1					37.8	23.2	21.0	12.9	0.8	0.5	32.8	20.1	35.4	21.7	0	0
Sweden ‡	103.1	100	16.5	16.0	4.0	3.9	9.0	8.8	6.5	6.3	17.8	17.3	24.3	23.6	18.6	18.0	0.9	0.8	19.9	19.3	9.8	9.5	0	0
Switzerland †	97.8	100	12.8	13.1	1.3	1.3	6.6	6.8	2.6	2.6	17.1	17.4	19.6	20.1	21.8	22.3	3.0	3.1	23.9	24.5	8.6	8.8	0	0
the Netherlands	114.7	100	11.7	10.2	3.6	3.1	6.0	5.2	3.8	3.3	18.2	15.9	22.0	19.2	16.6	14.5	12.3	10.8	24.7	21.6	17.2	15.0	0.6	0.5
United Kingdom, England † #	116.0	100	13.4	11.5	6.2	5.3	6.7	5.7					30.9	26.6	7.7	6.7	1.1	1.0	21.8	18.8	16.0	13.8	12.3	10.6
United Kingdom, Northern Ireland † #	104.4	100	18.5	17.7	5.1	4.9	11.6	11.1					22.2	21.2	3.7	3.5			14.6	14.0	16.2	15.5	12.0	11.5
United Kingdom, Scotland †	99.7	100	16.0	16.1	7.1	7.2	8.1	8.1					29.2	29.3	6.2	6.2	1.6	1.6	22.8	22.9	8.7	8.8	0	0
United Kingdom, Wales † #	123.7	100	19.7	15.9	9.2	7.4	7.0	5.6					43.6	35.2	5.4	4.4			24.2	19.6	13.7	11.1		

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.3.6
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 §	117.8	11.1	3.6	4.3	2.3	26.6	28.9	14.9	2.7	24.2	27.7	0.5
Belgium, Dutch-speaking *	163.2	16.7	6.5	10.5	6.1	26.0	32.1	16.3	6.1	58.9	16.1	0
Belgium, French-speaking *	198.7	17.1	8.0	8.1	3.5	44.9	48.3	33.9	2.9	53.1	27.3	0
Bosnia and Herzegovina	117.2	8.1	9.7	4.0	4.4	27.7	32.2	17.4	1.9	27.2	16.9	0
Denmark	100.4	13.1	5.0	8.9	6.4	19.2	25.7	11.6	1.3	17.3	17.5	0
Estonia	74.0	9.7	6.6	0.7			14.8	23.8	0	18.3	0	0
Finland	89.5	13.6	3.3	11.6	11.6	15.4	27.0	6.8	0.4	26.0	0.8	0
France †	155.7	18.4	7.4	9.9			36.8	36.6	1.2	21.7	23.8	0
Greece	208.6	16.2	9.3	8.1	3.3	52.4	55.7	20.2	2.7	25.6	70.7	0
Iceland	127.7	25.6	0	17.4	0	9.5	9.5	33.7	3.5	34.9	3.0	0
Montenegro * †	100.1	14.7	3.1	3.1	6.3	16.1	22.5	28.8	0	17.8	11.7	0
Norway	112.0	16.1	3.5	7.4	4.7	16.4	21.1	34.8	1.6	23.9	3.1	0.6
Romania	142.8	12.5	5.2	3.7			16.8	11.0	0.9	18.8	73.9	0
Serbia	78.0	6.4	7.4	3.7			19.1	25.8	0.5	12.0	3.1	0
Spain, Andalusia	153.0	18.1	8.4	9.6			41.0	18.5	1.1	29.9	25.9	0.3
Spain, Aragon	122.5	23.0	5.8	7.6	2.2	32.4	34.6	12.9	0.6	14.8	23.2	0
Spain, Asturias	134.2	22.1	6.2	4.8	2.6	30.4	33.1	20.2	0	27.7	20.2	0
Spain, Basque country	106.3	13.2	5.1	8.3	1.3	25.0	26.3	19.3	0.4	16.7	17.0	0
Spain, Canary Islands †	183.9	21.9	6.3	9.8	6.3	53.9	60.3	12.4	0.9	46.1	26.0	0
Spain, Cantabria *	112.2	33.3	3.0	4.4	0	29.6	29.6	7.5	8.8	17.8	7.7	0
Spain, Castile and León * † ‡	107.7	16.2	8.1	4.8	5.9	22.5	28.5	15.5	1.3	21.8	11.7	0
Spain, Castile-La Mancha *	105.7	13.2	12.8	6.2			31.6	3.3	7.5	10.2	20.8	0
Spain, Catalonia †	174.8	15.0	6.4	9.8	1.1	28.7	29.9	13.6	3.4	63.9	32.9	0
Spain, Community of Madrid	123.8	22.0	3.5	8.0	3.1	30.1	33.1	11.5	3.1	35.0	7.6	0
Spain, Extremadura	130.1	18.0	6.1	9.5			28.5	7.5	3.4	17.2	39.9	0
Spain, Galicia	142.1	15.6	7.4	11.5	5.2	32.9	38.0	8.4	1.0	25.2	35.1	0
Spain, La Rioja †	75.1	3.1	5.9	5.8	0	23.3	23.3	10.0	0	22.0	5.2	0
Spain, Murcia	180.2	35.0	16.6	13.7	6.7	37.4	44.1	15.2	0.8	28.9	25.8	0
Spain, Navarre *	149.0	15.3	7.4	9.0	4.2	30.7	34.9	23.2	0	32.9	26.3	0
Spain, Valencian region	158.5	17.3	7.6	9.3			36.7	20.4	0.8	32.1	34.4	0
Sweden ‡	101.8	16.6	3.8	9.4	6.9	17.2	24.1	17.7	0.9	19.8	9.6	0
Switzerland †	97.0	12.6	1.3	6.6	2.5	16.9	19.4	21.6	3.0	24.0	8.6	0
the Netherlands	111.2	11.3	3.6	5.9	3.9	17.4	21.4	16.2	11.7	23.8	16.8	0.5
United Kingdom, England † #	119.3	13.8	6.2	7.1			32.1	8.0	1.1	22.2	16.3	12.6
United Kingdom, Northern Ireland † #	111.9	20.0	5.2	12.6			23.7	4.1		15.4	17.4	12.9
United Kingdom, Scotland †	98.9	15.8	6.9	8.2			29.2	6.1	1.5	22.3	8.9	0
United Kingdom, Wales † #	120.2	19.9	9.3	7.1			42.6	5.2		22.4	12.9	

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

§ 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 §	1064	759	0	1	2	148	910	38	53	4	95	39	19	0	58	1	0
Belgium, Dutch-speaking *	1162	630	1	0	0	390	1021	70	45	0	115	6	20	0	26	0	0
Belgium, French-speaking *	892	474	13	0	7	290	784	50	45	0	95	6	7	0	13	0	0
Bosnia and Herzegovina	364	308	0	0	0	38	346	0	17	0	17	1	0	0	1	0	0
Denmark &	603	341	1	0			342	88	104	1	193	32	35	0	67	1	0
Estonia	97	73	0	0	0	0	73	4	16	0	20	2	2	0	4	0	0
Finland	522	303	18	0	0	55	376	62	55	0	117	11	11	7	29	0	0
France †	10660	6721	17	9	15	2235	8998	337	786	0	1123	210	318	0	528	11	0
Greece	2580	2295	0	0	0	127	2422	62	80	0	142	16	0	0	16	0	0
Iceland	37	18	0	0			18	4	6	0	10	5	3	0	8	1	0
Montenegro * †	59	59	0	0	0	0	59	0	0	0	0	0	0	0	0	0	0
Norway	572	351	1	0			352			153	153	32	35	0	67	0	0
Romania	2736	2549	0	0	1	117	2667	1	36	0	37	13	19	0	32	0	0
Serbia	522	443	0	2	0	20	465	6	50	0	56	0	1	0	1	0	0
Spain, Andalusia	1255	1008	2	0			1010			152	152	22	71	0	93	0	0
Spain, Aragon	175	108	0	0		19	127	4	36	0	40	2	6	0	8	0	0
Spain, Asturias	168	123	0	0		2	125	4	32	0	36	0	7	0	7	0	0
Spain, Basque country	260	193	0	0			193	4	44	0	48	12	7	0	19	0	0
Spain, Canary Islands †	392	314	0	0	0	0	314	0	0	74	74	2	2	0	4	0	0
Spain, Cantabria *	72	53	0	0			53	0	7	0	7	0	12	0	12	0	0
Spain, Castile and León * †	316	243	3	0			246	20	26	0	45	12	13	0	25	0	0
Spain, Castile-La Mancha *	219	162	0	0			162	7	38	0	45	4	8	0	12	0	0
Spain, Catalonia †	1332	367	2	0		614	984	54	129	0	182	70	96	0	166	0	0
Spain, Community of Madrid	785	621	5	0			626	39	85	0	124	19	15	0	34	1	0
Spain, Extremadura	147	133	0	0			133	9	5	0	14	0	0	0	0	0	0
Spain, Galicia	456	345	4	0	0	0	349	12	75	0	87	16	2	2	20	0	0
Spain, La Rioja †	25	17	0	0	0	0	17	2	4	0	6	2	0	0	2	0	0
Spain, Murcia	238	136	0	0	0	64	200	3	29	0	32	3	3	0	6	0	0
Spain, Navarre *	102	72	1	0			73	22	4	0	26	1	2	0	3	0	0
Spain, Valencian region	816	592	12	0			604	16	139	0	155	8	49	0	57	0	0
Sweden	1060	600	4	0			604			341	341	60	55	0	115	0	0
Switzerland †	839	632	7	12	23	0	674	41	64	5	110	37	17	0	55	0	0
the Netherlands ‡	1850	1166	4	0		59	1229	142	186	0	328	248	45	0	293	0	0
United Kingdom, England † #	6532	3777	24		11	645	4458	745	683	14	1442	282	341	9	632	0	0
United Kingdom, Northern Ireland † #	198	120	0	0	0		121	21	8		30	34	12	0	47	0	0
United Kingdom, Scotland †	545	391	1	0			392	54	25	0	79	38	35	0	73	0	0
United Kingdom, Wales † #	390	252		0		26	280	24	57	0	81	14	15	0	29	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

& No distinction is made between HD and HDF

† 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 §	120.1	85.7	0	0.1	0.2	16.7	102.7	4.3	6.0	0.5	10.7	4.4	2.1	0	6.5	0.1	0
Belgium, Dutch-speaking *	175.6	95.2	0.2	0	0	58.9	154.3	10.6	6.8	0	17.4	0.9	3.0	0	3.9	0	0
Belgium, French-speaking *	183.1	97.3	2.7	0	1.4	59.5	160.9	10.3	9.2	0	19.5	1.2	1.4	0	2.7	0	0
Bosnia and Herzegovina	103.1	87.2	0	0	0	10.8	98.0	0	4.8	0	4.8	0.3	0	0	0.3	0	0
Denmark &	102.7	58.1	0.2	0			58.3	15.0	17.7	0.2	32.9	5.5	6.0	0	11.4	0.2	0
Estonia	73.1	55.0	0	0	0	0	55.0	3.0	12.1	0	15.1	1.5	1.5	0	3.0	0	0
Finland	94.5	54.9	3.3	0	0	10.0	68.1	11.2	10.0	0	21.2	2.0	2.0	1.3	5.3	0	0
France †	158.5	99.9	0.3	0.1	0.2	33.2	133.8	5.0	11.7	0	16.7	3.1	4.7	0	7.9	0.2	0
Greece	240.6	214.1	0	0	0	11.8	225.9	5.8	7.5	0	13.2	1.5	0	0	1.5	0	0
Iceland	102.6	49.9	0	0			49.9	11.1	16.6	0	27.7	13.9	8.3	0	22.2	2.8	0
Montenegro * †	95.4	95.4	0	0	0	0	95.4	0	0	0	0	0	0	0	0	0	0
Norway	107.0	65.6	0.2	0			65.8			28.6	28.6	6.0	6.5	0	12.5	0	0
Romania	143.2	133.5	0	0	0.1	6.1	139.6	0.1	1.9	0	1.9	0.7	1.0	0	1.7	0	0
Serbia	83.5	70.9	0	0.3	0	3.2	74.4	1.0	8.0	0	9.0	0	0.2	0	0.2	0	0
Spain, Andalusia	148.5	119.3	0.2	0			119.5			18.0	18.0	2.6	8.4	0	11.0	0	0
Spain, Aragon	132.0	81.5	0	0		14.3	95.8	3.0	27.2	0	30.2	1.5	4.5	0	6.0	0	0
Spain, Asturias	164.6	120.5	0	0		2.0	122.5	3.9	31.4	0	35.3	0	6.9	0	6.9	0	0
Spain, Basque country	119.1	88.4	0	0			88.4	1.8	20.2	0	22.0	5.5	3.2	0	8.7	0	0
Spain, Canary Islands †	176.4	141.2	0	0	0	0	141.2	0	0	33.5	33.5	1.1	0.8	0	1.8	0	0
Spain, Cantabria *	123.7	91.1	0	0			91.1	0	12.0	0	12.0	0	20.6	0	20.6	0	0
Spain, Castile and León * †	131.8	101.4	1.1	0			102.5	8.2	10.7	0	18.9	5.1	5.3	0	10.4	0	0
Spain, Castile-La Mancha *	107.3	79.4	0	0			79.4	3.4	18.6	0	22.1	2.0	3.9	0	5.9	0	0
Spain, Catalonia †	173.6	47.8	0.3	0		80.0	128.2	7.0	16.8	0	23.8	9.1	12.6	0	21.7	0	0
Spain, Community of Madrid	117.8	93.2	0.8	0			93.9	5.9	12.8	0	18.6	2.9	2.3	0	5.1	0.2	0
Spain, Extremadura	137.7	124.6	0	0			124.6	8.4	4.7	0	13.1	0	0	0	0	0	0
Spain, Galicia	168.8	127.7	1.5	0	0	0	129.2	4.4	27.8	0	32.2	5.9	0.7	0.7	7.4	0	0
Spain, La Rioja †	80.5	54.0	0	0	0	0	54.0	7.4	12.7	0	20.1	6.4	0	0	6.4	0	0
Spain, Murcia	159.3	91.0	0	0	0	42.8	133.9	2.0	19.4	0	21.4	2.0	2.0	0	4.0	0	0
Spain, Navarre *	156.1	110.2	1.5	0			111.8	33.7	6.1	0	39.8	1.5	3.1	0	4.6	0	0
Spain, Valencian region	163.1	118.3	2.4	0			120.7	3.2	27.8	0	31.0	1.6	9.8	0	11.4	0	0
Sweden	103.1	58.4	0.4	0			58.8			33.2	33.2	5.8	5.4	0	11.2	0	0
Switzerland †	97.8	73.7	0.8	1.4	2.7	0	78.6	4.8	7.4	0.5	12.8	4.4	2.0	0	6.4	0	0
the Netherlands	114.7	72.3	0.2	0		3.7	76.2	8.8	11.5	0	20.3	15.4	2.8	0	18.2	0	0
United Kingdom, England † #	116.0	67.1	0.4		0.2	11.5	79.2	13.2	12.1	0.2	25.6	5.0	6.1	0.2	11.2	0	0
United Kingdom, Northern Ireland † #	104.4	63.4	0	0	0		63.9	11.3	4.2		15.8	18.1	6.5	0	24.6	0	0
United Kingdom, Scotland †	99.7	71.6	0.2	0			71.8	9.9	4.6	0	14.5	7.0	6.4	0	13.4	0	0
United Kingdom, Wales † #	123.7	79.8		0		8.2	88.8	7.7	18.0	0	25.7	4.4	4.8	0	9.2	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

& No distinction is made between HD and HDF

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

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

Values based on 1 to 5 patients are suppressed

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

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Unkn	Missing
		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 §	117.8	84.1	0	0.1	0.2	16.3	100.8	4.1	5.8	0.4	10.4	4.4	2.2	0	6.6	0.1	0
Belgium, Dutch-speaking *	163.2	88.0	0.1	0	0	54.5	142.6	10.1	6.5	0	16.5	0.9	3.1	0	4.0	0	0
Belgium, French-speaking *	198.7	106.2	2.8	0	1.5	64.1	174.6	11.4	9.9	0	21.4	1.3	1.5	0	2.8	0	0
Bosnia and Herzegovina	117.2	99.8	0	0	0	12.1	111.9	0	5.0	0	5.0	0.3	0	0	0.3	0	0
Denmark &	100.4	56.1	0.2	0			56.3	14.7	17.4	0.1	32.2	5.7	6.1	0	11.8	0.2	0
Estonia	74.0	56.3	0	0	0	0	56.3	3.1	11.9	0	15.0	1.3	1.3	0	2.7	0	0
Finland	89.5	51.7	3.2	0	0	9.5	64.5	10.6	9.2	0	19.8	2.0	1.9	1.3	5.2	0	0
France †	155.7	98.0	0.3	0.2	0.2	32.3	130.9	5.1	11.3	0	16.4	3.2	5.0	0	8.2	0.2	0
Greece	208.6	183.7	0	0	0	11.1	194.8	5.3	7.0	0	12.3	1.5	0	0	1.5	0	0
Iceland	127.7	62.7	0	0			62.7	15.2	21.3	0	36.4	15.8	8.9	0	24.7	3.8	0
Montenegro * †	100.1	100.1	0	0	0	0	100.1	0	0	0	0	0	0	0	0	0	0
Norway	112.0	69.4	0.2	0			69.6			30.0	30.0	5.8	6.6	0	12.4	0	0
Romania	142.8	133.0	0	0	0	6.2	139.3	0.1	1.9	0	1.9	0.7	1.0	0	1.6	0	0
Serbia	78.0	65.9	0	0.3	0	3.1	69.3	1.0	7.6	0	8.6	0	0.2	0	0.2	0	0
Spain, Andalusia	153.0	123.6	0.2	0			123.9			18.4	18.4	2.5	8.2	0	10.7	0	0
Spain, Aragon	122.5	75.3	0	0		13.4	88.7	3.1	25.0	0	28.0	1.6	4.2	0	5.8	0	0
Spain, Asturias	134.2	96.3	0	0		1.6	97.9	3.5	26.5	0	30.0	0	6.4	0	6.4	0	0
Spain, Basque country	106.3	78.7	0	0			78.7	1.6	17.7	0	19.3	4.8	3.4	0	8.2	0	0
Spain, Canary Islands †	183.9	149.1	0	0	0	0	149.1	0	0	33.7	33.7	0.9	0.7	0	1.6	0	0
Spain, Cantabria *	112.2	83.2	0	0			83.2	0	11.0	0	11.0	0	18.0	0	18.0	0	0
Spain, Castile and León * †	107.7	81.7	0.9	0			82.6	7.2	9.4	0	16.3	4.5	4.6	0	9.1	0	0
Spain, Castile-La Mancha *	105.7	77.7	0	0			77.7	3.3	18.3	0	21.6	2.1	4.2	0	6.4	0	0
Spain, Catalonia †	174.8	48.6	0.3	0		80.2	129.0	7.2	17.0	0	24.2	9.1	12.7	0	21.7	0	0
Spain, Community of Madrid	123.8	98.7	0.7	0			99.4	5.9	13.2	0	19.1	2.8	2.4	0	5.1	0.2	0
Spain, Extremadura	130.1	117.7	0	0			117.7	7.9	4.5	0	12.5	0	0	0	0	0	0
Spain, Galicia	142.1	106.1	1.4	0	0	0	107.4	4.2	23.5	0	27.7	5.7	0.7	0.7	7.0	0	0
Spain, La Rioja †	75.1	50.3	0	0	0	0	50.3	8.3	11.8	0	20.1	6.1	0	0	6.1	0	0
Spain, Murcia	180.2	104.7	0	0	0	48.7	153.4	1.9	20.4	0	22.3	2.4	2.0	0	4.5	0	0
Spain, Navarre *	149.0	104.5	1.3	0			105.8	33.0	5.8	0	38.9	1.4	2.9	0	4.3	0	0
Spain, Valencian region	158.5	115.0	2.4	0			117.3	3.0	27.0	0	30.0	1.6	9.6	0	11.2	0	0
Sweden	101.8	57.8	0.4	0			58.2			32.1	32.1	6.1	5.4	0	11.5	0	0
Switzerland †	97.0	73.3	1.0	1.5	2.7	0	78.1	4.8	7.3	0.6	12.6	4.3	2.0	0	6.3	0	0
the Netherlands	111.2	70.2	0.2	0		3.6	74.0	8.6	11.0	0	19.6	15.0	2.6	0	17.6	0	0
United Kingdom, England † #	119.3	68.9	0.5		0.2	11.8	81.4	13.5	12.5	0.3	26.3	5.2	6.2	0.2	11.6	0	0
United Kingdom, Northern Ireland † #	111.9	67.9	0	0	0		68.5	11.9	4.6		16.9	19.6	6.9	0	26.4	0	0
United Kingdom, Scotland †	98.9	70.9	0.2	0			71.1	10.2	4.7	0	14.6	6.9	6.4	0	13.3	0	0
United Kingdom, Wales † #	120.2	76.3		0		7.9	84.9	7.9	17.7	0	25.6	4.7	5.0	0	9.7	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 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

& No distinction is made between HD and HDF

† 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	71.3	0	0.1	0.2	13.9	85.5	3.6	5.0	0.4	8.9	3.7	1.8	0	5.5	0.1	0
Belgium, Dutch-speaking *	100	54.2	0.1	0	0	33.6	87.9	6.0	3.9	0	9.9	0.5	1.7	0	2.2	0	0
Belgium, French-speaking *	100	53.1	1.5	0	0.8	32.5	87.9	5.6	5.0	0	10.7	0.7	0.8	0	1.5	0	0
Bosnia and Herzegovina	100	84.6	0	0	0	10.4	95.1	0	4.7	0	4.7	0.3	0	0	0.3	0	0
Denmark &	100	56.6	0.2	0			56.7	14.6	17.2	0.2	32.0	5.3	5.8	0	11.1	0.2	0
Estonia	100	75.3	0	0	0	0	75.3	4.1	16.5	0	20.6	2.1	2.1	0	4.1	0	0
Finland	100	58.0	3.4	0	0	10.5	72.0	11.9	10.5	0	22.4	2.1	2.1	1.3	5.6	0	0
France †	100	63.0	0.2	0.1	0.1	21.0	84.4	3.2	7.4	0	10.5	2.0	3.0	0	5.0	0.1	0
Greece	100	89.0	0	0	0	4.9	93.9	2.4	3.1	0	5.5	0.6	0	0	0.6	0	0
Iceland	100	48.6	0	0			48.6	10.8	16.2	0	27.0	13.5	8.1	0	21.6	2.7	0
Montenegro * †	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Norway	100	61.4	0.2	0			61.5			26.7	26.7	5.6	6.1	0	11.7	0	0
Romania	100	93.2	0	0	0	4.3	97.5	0	1.3	0	1.4	0.5	0.7	0	1.2	0	0
Serbia	100	84.9	0	0.4	0	3.8	89.1	1.1	9.6	0	10.7	0	0.2	0	0.2	0	0
Spain, Andalusia	100	80.3	0.2	0			80.5			12.1	12.1	1.8	5.7	0	7.4	0	0
Spain, Aragon	100	61.7	0	0		10.9	72.6	2.3	20.6	0	22.9	1.1	3.4	0	4.6	0	0
Spain, Asturias	100	73.2	0	0		1.2	74.4	2.4	19.0	0	21.4	0	4.2	0	4.2	0	0
Spain, Basque country	100	74.2	0	0			74.2	1.5	16.9	0	18.5	4.6	2.7	0	7.3	0	0
Spain, Canary Islands †	100	80.0	0	0	0	0	80.0	0	0	19.0	19.0	0.6	0.4	0	1.0	0	0
Spain, Cantabria *	100	73.6	0	0			73.6	0	9.7	0	9.7	0	16.7	0	16.7	0	0
Spain, Castile and León * †	100	76.9	0.8	0			77.8	6.2	8.1	0	14.3	3.9	4.0	0	7.9	0	0
Spain, Castile-La Mancha *	100	74.0	0	0			74.0	3.2	17.4	0	20.5	1.8	3.7	0	5.5	0	0
Spain, Catalonia †	100	27.5	0.2	0		46.1	73.8	4.0	9.7	0	13.7	5.3	7.2	0	12.5	0	0
Spain, Community of Madrid	100	79.1	0.6	0			79.7	5.0	10.8	0	15.8	2.4	1.9	0	4.3	0.1	0
Spain, Extremadura	100	90.5	0	0			90.5	6.1	3.4	0	9.5	0	0	0	0	0	0
Spain, Galicia	100	75.7	0.9	0	0	0	76.5	2.6	16.4	0	19.1	3.5	0.4	0.4	4.4	0	0
Spain, La Rioja †	100	67.1	0	0	0	0	67.1	9.2	15.8	0	25.0	7.9	0	0	7.9	0	0
Spain, Murcia	100	57.1	0	0	0	26.9	84.0	1.3	12.2	0	13.4	1.3	1.3	0	2.5	0	0
Spain, Navarre *	100	70.6	1.0	0			71.6	21.6	3.9	0	25.5	1.0	2.0	0	2.9	0	0
Spain, Valencian region	100	72.5	1.5	0			74.0	2.0	17.0	0	19.0	1.0	6.0	0	7.0	0	0
Sweden	100	56.6	0.4	0			57.0			32.2	32.2	5.7	5.2	0	10.8	0	0
Switzerland †	100	75.4	0.8	1.4	2.8	0	80.4	4.9	7.6	0.6	13.1	4.5	2.1	0	6.5	0	0
the Netherlands	100	63.0	0.2	0		3.2	66.4	7.7	10.1	0	17.7	13.4	2.4	0	15.8	0	0
United Kingdom, England † #	100	57.8	0.4		0.2	9.9	68.3	11.4	10.5	0.2	22.1	4.3	5.2	0.1	9.7	0	0
United Kingdom, Northern Ireland † #	100	60.7	0	0	0		61.2	10.8	4.0		15.2	17.4	6.2	0	23.6	0	0
United Kingdom, Scotland †	100	71.8	0.2	0			72.0	10.0	4.6	0	14.6	7.0	6.4	0	13.5	0	0
United Kingdom, Wales † #	100	64.5		0		6.7	71.8	6.2	14.5	0	20.8	3.6	3.8	0	7.4	0	0

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

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

§ 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

& No distinction is made between HD and HDF

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

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

Values based on 1 to 5 patients are suppressed

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

	All				0-19				20-44				45-64				65-74				75+				Men				Women				DM				Non-DM			
	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Austria §	86	9	5	0	43	7	50	0	65	14	21	0	78	13	8	0	92	8	1	0	95	5	0	0	85	9	6	0	87	8	5	0	94	5	2	0	83	10	7	0
Belgium, Dutch-speaking *	88	10	2	0					76	17	7	0	81	14	5	0	86	12	2	0	94	6	0	0	88	10	2	0	88	9	2	0	90	8	1	0	87	10	2	0
Belgium, French-speaking *	88	11	1	0					78	19	3	0	87	9	4	0	90	10	0	0	89	11	0	0	88	10	2	0	87	11	1	0	92	8	0	0	87	11	2	0
Bosnia and Herzegovina	95	5	0	0	0	0	0	0	93	7	0	0	94	5	1	0	95	5	0	0	97	3	0	0	95	4	0	0	95	5	0	0	96	4	0	0	95	5	0	0
Denmark	57	32	11	0	9	27	64	0	45	32	24	0	50	36	14	1	66	27	7	0	66	34	0	0	57	33	10	0	57	31	13	0	56	38	5	1	57	30	13	0
Estonia	75	21	4	0	50	50	0	0	58	21	21	0	79	21	0	0	83	17	0	0	78	22	0	0	79	15	7	0	69	31	0	0	65	30	5	0	78	18	4	0
Finland	72	22	6	0	14	29	57	0	71	21	9	0	70	22	8	0	71	27	3	0	82	17	1	0	72	22	5	0	71	22	6	0	75	23	3	0	71	22	7	0
France †	84	11	5	0	53	22	25	0	69	14	16	0	81	10	9	0	88	9	3	0	88	11	1	0	85	10	4	0	83	12	6	0	90	8	1	0	83	11	6	0
Greece	94	6	1	0	33	33	33	0	85	10	5	0	89	10	1	0	94	6	0	0	97	3	0	0	94	5	1	0	93	6	0	0	96	4	0	0	93	6	1	0
Iceland	49	27	22	3	0	0	0	0	60	40	0	0	50	8	42	0	45	27	27	0	44	44	0	11	43	24	29	5	56	31	13	0	33	67	0	0	50	24	24	3
Montenegro * †	100	0	0	0					100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0	100	0	0	0
Norway	62	27	12	0	15	31	54	0	46	23	30	0	60	29	11	0	66	24	10	0	69	28	3	0	61	28	12	0	64	24	12	0	70	25	6	0	60	27	13	0
Romania	97	1	1	0	78	11	11	0	92	2	6	0	97	2	1	0	99	1	0	0	99	1	0	0	98	1	1	0	97	2	1	0	97	2	0	0	98	1	1	0
Serbia	89	11	0	0	83	17	0	0	81	17	2	0	88	12	0	0	93	7	0	0	90	10	0	0	90	10	0	0	88	12	0	0	84	16	0	0	91	9	0	0
Spain, Andalusia	80	12	7	0	46	23	31	0	73	10	17	0	75	15	10	0	83	11	5	0	89	10	1	0	82	11	7	0	78	13	9	0	88	9	3	0	78	13	9	0
Spain, Aragon	73	23	5	0	100	0	0	0	65	24	12	0	56	40	4	0	78	17	5	0	84	14	2	0	71	23	6	0	76	22	2	0	84	12	4	0	68	27	5	0
Spain, Asturias	74	21	4	0	0	0	0	0	38	46	15	0	66	25	9	0	78	22	0	0	86	12	2	0	76	19	4	0	70	26	4	0	81	19	0	0	72	22	6	0
Spain, Basque country	74	18	7	0	43	0	57	0	68	20	12	0	74	18	8	0	73	21	6	0	81	18	1	0	71	20	9	0	80	15	5	0	88	12	0	0	70	21	10	0
Spain, Canary Islands †	80	19	1	0	0	0	0	0	66	27	7	0	75	23	1	0	82	18	0	0	89	11	0	0	77	21	2	0	85	15	0	0	86	14	0	0	77	21	2	0
Spain, Cantabria *	74	10	17	0					63	13	25	0	73	5	23	0	63	11	26	0	87	13	0	0	71	10	19	0	80	10	10	0	79	16	5	0	72	8	21	0
Spain, Castile and León * †	78	14	8	0					48	27	25	0	67	21	12	0	83	9	8	0	88	11	2	0	74	18	8	0	84	8	8	0	91	8	1	0	73	17	10	0
Spain, Castile-La Mancha *	74	21	5	0					44	31	25	0	63	32	6	0	71	22	7	0	94	6	0	0	74	22	3	0	73	17	9	0	80	18	2	0	71	21	7	0
Spain, Catalonia †	73	14	13	0	25	17	58	0	55	21	24	0	71	13	17	0	70	17	13	0	87	10	3	0	74	14	12	0	74	12	14	0	83	16	2	0	72	13	15	0
Spain, Community of Madrid	80	16	4	0	77	0	23	0	68	22	9	0	70	22	8	0	83	16	1	0	92	8	0	0	81	16	3	0	77	16	7	0	85	14	1	0	78	16	6	0
Spain, Extremadura	90	10	0	0	100	0	0	0	77	23	0	0	84	16	0	0	98	2	0	0	97	3	0	0	91	9	0	0	90	10	0	0	88	13	0	0	91	9	0	0
Spain, Galicia	77	19	4	0	40	40	20	0	78	12	10	0	63	27	9	0	82	18	1	0	88	12	0	0	77	19	4	0	75	20	6	0	86	13	1	0	73	21	6	0
Spain, La Rioja †	65	24	10	0	0	0	0	0	33	67	0	0	48	26	26	0	100	0	0	0	67	33	0	0	71	23	5	0	55	30	15	0	87	13	0	0	58	30	11	0
Spain, Murcia	84	13	3	0	0	50	50	0	64	29	7	0	78	20	2	0	88	10	1	0	95	4	1	0	85	14	2	0	83	13	4	0	86	12	2	0	83	14	3	0
Spain, Navarre *	72	25	3	0					50	50	0	0	68	20	12	0	72	28	0	0	78	23	0	0	79	17	4	0	56	44	0	0	79	21	0	0	69	27	4	0
Spain, Valencian region	74	19	7	0	75	0	25	0	56	28	15	0	65	24	11	0	76	19	5	0	86	12	2	0	73	20	7	0	75	17	7	0	83	14	3	0	71	20	8	0
Sweden	57	32	11	0	18	65	18	0	43	34	23	0	57	27	16	0	56	34	9	0	66	33	1	0	54	36	10	0	63	25	12	0	65	29	6	0	55	33	12	0
Switzerland †	80	13	6	0	24	48	27	0	61	19	21	0	74	15	10	0	85	10	5	0	90	10	0	0	81	13	6	0	80	13	8	0	87	8	5	0	79	14	7	0
the Netherlands	66	18	16	0	29	17	54	0	54	18	29	0	61	16	22	0	67	19	14	0	80	18	3	0	67	18	15	0	65	18	17	0	79	15	5	0	63	18	18	0
United Kingdom, England † #	68	22	10	0	38	40	22	0	54	30	16	0	65	22	13	0	76	18	7	0	78	20	2	0	69	22	9	0	67	23	10	0	74	23	3	0	66	22	12	0
United Kingdom, Northern Ireland † #	61	15	24	0					46	6	47	0	58	17	25	0	69	14	17	0	72	23	5	0	66	13	21	0	82								56	17	27	0
United Kingdom, Scotland †	73	14	13	0	57	10	33	0	53	20	27	0	72	13	15	0	76	19	5	0	94	5	1	0	76	14	10	0	66	15	18	0	77	14	9	0	70	15	15	0
United Kingdom, Wales † #	72	21	7	0	33	52	14	0	42	41	17	0	75	16	9	0	76	19	5	0	85	14	1	0	74	20	6	0	68	22	9	0	79	15	6	0	68	24	8	0

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

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

§ 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.4.1
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	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 §	9250	5870	3380	87	1	53	1	34	1	1108	12	691	12	417	12	3712	40	2390	41	1322	39	2283	25	1467	25	816	24	2060	22	1269	22	791	23
Belgium, Dutch-speaking *	8648	5240	3408							865	10	507	10	358	11	2743	32	1692	32	1051	31	2215	26	1385	26	830	24	2825	33	1656	32	1169	34
Belgium, French-speaking *	6658	4110	2548							682	10	393	10	289	11	2279	34	1456	35	823	32	1889	28	1198	29	691	27	1808	27	1063	26	745	29
Bosnia and Herzegovina	2695	1631	1064	14	1	9	1	5	0	435	16	275	17	160	15	1135	42	719	44	416	39	714	26	412	25	302	28	397	15	216	13	181	17
Denmark	5591	3499	2092	82	1	52	1	30	1	949	17	604	17	345	16	2294	41	1434	41	860	41	1343	24	841	24	502	24	923	17	568	16	355	17
Estonia	1040	621	419	13	1	8	1	5	1	183	18	109	18	74	18	461	44	280	45	181	43	226	22	133	21	93	22	157	15	91	15	66	16
Finland	5198	3258	1940	122	2	70	2	52	3	785	15	497	15	288	15	2031	39	1236	38	795	41	1433	28	942	29	491	25	827	16	513	16	314	16
France	92512	56952	35560	958	1	571	1	387	1	11998	13	7248	13	4750	13	32229	35	19799	35	12430	35	23925	26	15036	26	8889	25	23402	25	14298	25	9104	26
Greece	15153	9866	5287	88	1	58	1	30	1	1479	10	969	10	510	10	4910	32	3266	33	1644	31	3937	26	2666	27	1271	24	4739	31	2907	29	1832	35
Iceland	292	184	108	6	2	4	2	2	2	63	22	33	18	30	28	112	38	72	39	40	37	67	23	46	25	21	19	44	15	29	16	15	14
Montenegro *	234	137	97							37	16	17	12	20	21	109	47	61	45	48	49	71	30	47	34	24	25	17	7	12	9	5	5
Norway	5369	3458	1911	88	2	52	2	36	2	811	15	489	14	322	17	2125	40	1355	39	770	40	1346	25	914	26	432	23	999	19	648	19	351	18
Romania	22236	12725	9511	112	1	52	0	60	1	2793	13	1665	13	1128	12	8275	37	4945	39	3330	35	6010	27	3376	27	2634	28	5046	23	2687	21	2359	25
Serbia	5495	3444	2051	55	1	33	1	22	1	792	14	504	15	288	14	2248	41	1370	40	878	43	1565	28	1015	29	550	27	834	15	521	15	313	15
Spain, Andalusia	10943	6729	4214	131	1	75	1	56	1	1528	14	949	14	579	14	4452	41	2833	42	1619	38	2677	24	1661	25	1016	24	2155	20	1211	18	944	22
Spain, Aragon	1800	1189	611	13	1	4	0	9	1	196	11	123	10	73	12	645	36	408	34	237	39	439	24	316	27	123	20	507	28	338	28	169	28
Spain, Asturias	1438	940	498	12	1	9	1	3	1	124	9	77	8	47	9	557	39	375	40	182	37	404	28	270	29	134	27	341	24	209	22	132	27
Spain, Basque country	2767	1769	998	30	1	19	1	11	1	365	13	220	12	145	15	1041	38	655	37	386	39	735	27	478	27	257	26	596	22	397	22	199	20
Spain, Canary Islands	3409	2222	1187	14	0	10	0	4	0	386	11	235	11	151	13	1417	42	936	42	481	41	860	25	575	26	285	24	732	21	466	21	266	22
Spain, Cantabria *	668	459	209							73	11	43	9	30	14	264	40	173	38	91	44	178	27	125	27	53	25	153	23	118	26	35	17
Spain, Castile and León *	3149	2064	1085							302	10	195	9	107	10	1167	37	750	36	417	38	764	24	525	25	239	22	916	29	594	29	322	30
Spain, Castile-La Mancha *	2526	1587	939							264	10	163	10	101	11	1037	41	660	42	377	40	626	25	422	27	204	22	599	24	342	22	257	27
Spain, Catalonia	11551	7377	4174	141	1	90	1	51	1	1306	11	839	11	467	11	4295	37	2764	37	1531	37	2881	25	1886	26	995	24	2928	25	1798	24	1130	27
Spain, Community of Madrid	8017	5129	2888	87	1	58	1	29	1	1017	13	588	11	429	15	3105	39	1969	38	1136	39	1944	24	1287	25	657	23	1864	23	1227	24	637	22
Spain, Extremadura	1358	844	514	8	1	4	0	4	1	139	10	81	10	58	11	600	44	383	45	217	42	315	23	213	25	102	20	296	22	163	19	133	26
Spain, Galicia	3994	2581	1413	29	1	20	1	9	1	433	11	263	10	170	12	1552	39	1008	39	544	38	1010	25	670	26	340	24	970	24	620	24	350	25
Spain, La Rioja	393	260	133	0	0	0	0	0	0	58	15	41	16	17	13	141	36	89	34	52	39	98	25	68	26	30	23	96	24	62	24	34	26
Spain, Murcia	2128	1378	750	20	1	14	1	6	1	246	12	161	12	85	11	866	41	546	40	320	43	513	24	353	26	160	21	483	23	304	22	179	24
Spain, Navarre *	896	590	306							101	11	56	9	45	15	336	38	225	38	111	36	244	27	162	27	82	27	215	24	147	25	68	22
Spain, Valencian region	7914	5036	2878	62	1	46	1	16	1	934	12	599	12	335	12	2826	36	1779	35	1047	36	2000	25	1291	26	709	25	2092	26	1321	26	771	27
Sweden	10240	6604	3636	179	2	107	2	72	2	1559	15	948	14	611	17	4002	39	2572	39	1430	39	2593	25	1691	26	902	25	1907	19	1286	19	621	17
Switzerland	8298	5244	3054	110	1	64	1	46	2	987	12	614	12	373	12	3108	37	1976	38	1132	37	2134	26	1348	26	786	26	1959	24	1242	24	717	23
the Netherlands ‡	17886	10830	7056	220	1	135	1	85	1	2506	14	1511	14	995	14	7068	40	4233	39	2835	40	4666	26	2818	26	1848	26	3426	19	2133	20	1293	18
United Kingdom, England	58406	35794	22612	1092	2	654	2	438	2	10720	18	6453	18	4267	19	25211	43	15396	43	9815	43	12216	21	7433	21	4783	21	9167	16	5858	16	3309	15
United Kingdom, Northern Ireland	1966	1176	790	36	2	23	2	13	2	388	20	228	19	160	20	828	42	493	42	335	42	376	19	228	19	148	19	338	17	204	17	134	17
United Kingdom, Scotland	5435	3252	2183	82	2	59	2	23	1	1013	19	604	19	409	19	2581	47	1513	47	1068	49	1143	21	702	22	441	20	616	11	374	12	242	11
United Kingdom, Wales	3361	2121	1240	56	2	38	2	18	1	606	18	362	17	244	20	1365	41	873	41	492	40	760	23	463	22	297	24	574	17	385	18	189	15

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

§ 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

‡ The prevalence is underestimated by approximately 4%

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

	All			0-19			20-44			45-64			65-74			75+		
	All	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 §	1044.2	1347.2	750.8	50.6	59.9	40.8	381.5	468.6	291.7	1445.3	1874.2	1022.4	2739.2	3777.1	1833.4	2466.8	3794.5	1579.9
Belgium, Dutch-speaking *	1306.8	1599.3	1020.0				426.2	495.5	355.8	1508.9	1845.5	1166.3	3179.4	4078.7	2324.3	4358.2	6206.8	3065.1
Belgium, French-speaking *	1366.8	1722.1	1025.5				422.0	484.1	359.2	1801.0	2311.2	1295.2	4086.9	5577.8	2792.7	4783.4	7486.7	3156.9
Bosnia and Herzegovina	763.2	941.5	591.5	17.8	22.3	13.1	355.6	441.8	266.2	1113.5	1447.3	796.2	2428.4	3195.8	1829.2	1908.9	2692.5	1416.9
Denmark	952.4	1197.2	709.6	62.4	77.2	46.8	511.4	641.1	377.6	1480.4	1846.6	1112.6	2067.5	2666.2	1502.4	1841.2	2646.8	1238.2
Estonia	783.8	989.7	599.0	46.4	55.6	36.7	421.6	483.6	354.6	1322.4	1677.5	996.2	1639.7	2424.1	1121.0	1243.7	2501.0	734.5
Finland	941.4	1195.3	693.9	104.0	116.6	90.8	454.9	559.4	344.0	1445.8	1761.6	1130.6	2047.8	2838.4	1334.6	1595.7	2522.8	997.1
France	1375.7	1752.1	1023.5	59.0	68.7	48.8	600.8	736.2	469.2	1848.0	2330.0	1389.9	3285.9	4418.7	2292.0	3705.0	5831.8	2355.7
Greece	1413.3	1893.0	959.6	42.3	54.1	29.8	451.1	585.4	314.2	1643.1	2285.0	1054.5	3362.8	4901.7	2027.5	3936.1	5693.7	2642.0
Iceland	809.8	995.2	614.8	66.6	86.8	45.4	477.3	471.9	483.4	1289.6	1630.3	937.1	2227.5	3042.7	1403.6	2043.8	3026.5	1255.7
Montenegro *	376.2	445.3	308.5				174.7	157.9	192.1	669.0	764.9	577.0	1217.0	1784.4	750.0	455.5	801.1	223.8
Norway	1003.9	1282.7	720.6	70.3	80.8	59.1	454.4	533.6	370.7	1539.2	1923.9	1138.6	2531.2	3475.5	1607.3	2506.5	3835.5	1528.6
Romania	1164.2	1361.3	975.2	27.9	25.2	30.8	445.9	515.2	372.1	1576.8	1896.0	1261.5	2949.7	3818.6	2283.7	3275.0	4779.8	2410.6
Serbia	879.1	1130.9	639.9	45.4	52.9	37.4	391.7	488.9	290.6	1304.2	1638.2	989.3	2008.3	2895.4	1282.9	1622.7	2556.8	1009.0
Spain, Andalusia	1294.6	1613.0	984.4	73.3	81.5	64.6	551.7	677.0	423.3	1828.3	2345.3	1319.4	3475.1	4552.1	2505.8	3119.7	4379.0	2279.0
Spain, Aragon	1358.0	1817.3	910.3	52.1	31.1	74.6	489.0	603.3	370.7	1663.1	2078.7	1237.3	3223.3	4881.1	1721.4	3349.9	5570.2	1863.9
Spain, Asturias	1409.0	1926.8	934.9	79.9	116.4	41.2	441.6	545.1	336.9	1711.3	2364.4	1090.6	3060.4	4428.4	1886.3	2582.2	4208.4	1602.0
Spain, Basque country	1267.2	1674.3	885.6	73.7	90.7	55.8	588.7	709.9	467.7	1575.8	2011.4	1152.3	2966.7	4127.9	1947.7	2399.3	4145.9	1303.7
Spain, Canary Islands	1534.2	2017.0	1059.5	34.7	48.1	20.4	501.5	611.0	392.2	2070.0	2717.5	1414.2	4310.5	5993.7	2751.6	4450.7	6761.6	2783.9
Spain, Cantabria *	1147.7	1617.9	700.6				425.4	494.7	354.3	1476.7	1954.3	1008.3	2723.3	4063.7	1531.7	2419.5	4865.8	897.8
Spain, Castile and León *	1312.3	1747.1	890.7				449.3	567.7	325.6	1592.0	2025.0	1149.7	2782.5	3889.3	1712.2	2742.9	4421.8	1613.0
Spain, Castile-La Mancha *	1238.1	1549.9	924.0				404.5	483.4	320.1	1769.0	2203.2	1315.2	3470.4	4803.0	2204.9	2881.2	3979.2	2107.3
Spain, Catalonia	1505.0	1956.7	1068.9	90.5	112.0	67.5	513.8	651.4	372.5	2014.7	2608.3	1428.0	3926.3	5541.3	2529.2	4129.8	6460.8	2623.6
Spain, Community of Madrid	1203.1	1609.2	830.8	64.7	84.1	44.2	448.7	528.4	371.8	1660.1	2201.9	1163.8	3212.2	4753.9	1964.3	3237.0	5581.2	1789.3
Spain, Extremadura	1271.9	1597.0	953.2	40.4	39.4	41.5	418.8	477.5	357.4	1894.6	2387.7	1388.5	3009.9	4185.9	1896.9	2539.4	3533.4	1888.4
Spain, Galicia	1478.4	1979.6	1010.9	67.6	90.2	43.4	550.4	664.1	435.2	1934.6	2564.9	1329.3	3132.9	4429.2	1987.0	2686.2	4377.7	1594.7
Spain, La Rioja	1248.6	1676.6	833.0	0	0	0	610.9	860.6	359.4	1527.4	1918.4	1132.5	3055.2	4334.8	1830.5	2772.0	4422.3	1649.5
Spain, Murcia	1424.5	1843.2	1005.0	58.5	79.5	36.2	478.5	606.9	341.6	2139.7	2677.0	1593.8	4235.6	6197.2	2494.0	4301.4	6691.9	2677.2
Spain, Navarre *	1371.7	1828.1	925.9				503.4	553.6	452.4	1792.6	2374.5	1197.7	3773.4	5186.8	2452.9	3297.1	5604.5	1744.5
Spain, Valencian region	1581.6	2042.7	1133.8	62.7	90.3	33.3	581.7	734.4	424.1	1956.2	2476.3	1441.6	3964.6	5463.1	2644.0	4553.7	7112.4	2817.2
Sweden	996.2	1277.6	711.6	74.8	86.6	62.3	470.3	555.7	379.7	1587.0	2018.1	1146.4	2343.0	3109.9	1602.2	2020.5	3137.5	1163.0
Switzerland	967.7	1233.0	706.6	64.2	72.7	55.3	345.4	423.9	264.8	1287.9	1628.7	943.3	2576.0	3400.0	1819.7	2567.0	3954.7	1596.6
the Netherlands	1074.2	1309.6	841.9	60.6	72.6	48.0	486.2	581.5	389.3	1521.6	1822.5	1220.7	2529.0	3105.9	1970.8	2493.2	3666.3	1631.8
United Kingdom, England	1037.6	1286.3	794.5	82.2	96.0	67.7	587.6	703.3	470.5	1750.1	2167.5	1344.0	2190.8	2770.5	1653.2	1918.7	2853.0	1214.6
United Kingdom, Northern Ireland	1038.2	1260.8	822.1	74.2	92.3	55.1	641.0	757.3	526.0	1695.9	2060.8	1345.4	2195.3	2750.5	1674.6	2356.2	3387.4	1610.0
United Kingdom, Scotland	994.8	1221.2	779.6	71.4	100.4	41.1	572.0	686.9	458.6	1720.2	2082.9	1379.9	1976.5	2536.1	1462.7	1322.3	1941.6	885.7
United Kingdom, Wales	1066.0	1364.3	775.9	79.7	105.3	52.7	632.5	747.6	514.9	1644.8	2160.7	1155.3	2102.8	2642.7	1594.8	1907.3	2954.9	1107.5

§ 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	15.4	63.7	53.5	73.5	63.5	62.4	15.2	63.7	53.6	73.2	36.5	62.6	15.7	64.0	53.0	74.2
Belgium, Dutch-speaking *	100	66.6	15.2	68.5	57.0	78.0	60.6	66.3	15.0	68.3	56.7	77.6	39.4	67.0	15.5	68.7	57.2	79.0
Belgium, French-speaking *	100	65.3	14.9	67.0	56.0	75.8	61.7	65.3	14.5	66.9	55.9	75.5	38.3	65.4	15.5	67.4	56.0	76.5
Bosnia and Herzegovina	100	60.2	14.4	62.0	51.4	70.5	60.5	59.5	14.4	60.9	50.6	69.5	39.5	61.2	14.4	63.2	52.5	71.5
Denmark	100	59.1	16.0	60.5	48.9	71.6	62.6	58.9	16.1	60.4	48.7	71.6	37.4	59.3	15.8	60.9	49.5	71.7
Estonia	100	58.8	15.8	59.5	48.6	70.7	59.7	58.6	16.0	59.0	48.6	70.7	40.3	59.0	15.5	60.8	48.5	70.5
Finland	100	59.9	16.3	62.4	51.2	72.0	62.7	60.0	16.2	62.6	51.1	72.1	37.3	59.5	16.5	61.8	51.4	71.7
France	100	63.4	16.2	65.5	53.3	75.1	61.6	63.4	16.1	65.7	53.4	75.0	38.4	63.3	16.5	65.3	53.0	75.3
Greece	100	65.8	15.4	68.0	55.8	77.7	65.1	65.5	15.2	67.6	55.5	77.0	34.9	66.5	15.8	68.6	56.2	79.1
Iceland	100	57.4	16.7	58.8	45.3	70.9	63.0	58.2	17.1	59.5	46.8	71.3	37.0	56.1	16.1	56.9	42.8	69.6
Montenegro *	100	58.5	13.1	60.5	50.5	67.5	58.5	60.1	13.3	63.5	53.5	68.5	41.5	56.2	12.5	58.5	46.5	66.5
Norway	100	60.2	16.1	62.5	49.9	72.4	64.4	60.7	15.9	63.1	50.6	72.5	35.6	59.3	16.4	61.0	48.4	72.0
Romania	100	63.2	15.2	65.0	52.6	73.7	57.2	62.6	15.1	64.3	52.2	73.1	42.8	63.9	15.3	65.8	54.0	74.9
Serbia	100	60.5	14.7	62.9	51.5	70.5	62.7	60.5	14.9	63.0	51.5	70.6	37.3	60.3	14.5	62.6	51.7	70.5
Spain, Andalusia	100	61.2	15.4	62.5	51.5	72.8	61.5	60.8	15.0	62.0	51.5	71.9	38.5	61.9	15.9	63.2	51.5	74.2
Spain, Aragon	100	64.4	15.2	66.1	54.5	76.3	66.1	65.0	14.7	66.7	55.9	76.3	33.9	63.3	16.0	64.3	52.2	76.2
Spain, Asturias	100	64.4	14.2	65.6	55.9	74.5	65.4	64.2	13.9	65.4	56.5	74.2	34.6	64.7	14.7	66.2	54.3	75.8
Spain, Basque country	100	62.2	15.4	64.4	52.4	73.9	63.9	62.7	15.4	64.8	53.0	74.2	36.1	61.4	15.5	63.3	51.0	73.4
Spain, Canary Islands	100	62.5	14.4	63.6	52.6	73.3	65.2	62.7	14.2	63.9	53.1	73.0	34.8	62.2	14.7	62.9	51.5	73.8
Spain, Cantabria *	100	63.3	14.0	64.8	53.6	74.1	68.7	64.4	14.0	65.9	54.6	75.3	31.3	61.0	13.8	61.5	51.6	72.5
Spain, Castile and León *	100	65.5	14.3	66.5	56.0	76.6	65.5	65.6	14.1	67.0	56.0	76.5	34.5	65.5	14.8	65.5	55.7	76.8
Spain, Castile-La Mancha *	100	63.6	14.2	64.5	54.0	74.5	62.8	63.4	13.8	64.4	54.4	73.9	37.2	64.0	14.9	64.7	53.8	76.1
Spain, Catalonia	100	63.4	15.7	65.1	53.4	75.1	63.9	63.3	15.5	65.0	53.5	74.8	36.1	63.7	16.0	65.4	53.0	75.9
Spain, Community of Madrid	100	62.5	15.7	63.9	52.5	74.2	64.0	63.0	15.5	64.7	53.3	74.5	36.0	61.6	16.0	62.7	51.2	73.6
Spain, Extremadura	100	62.7	14.4	63.2	53.4	73.1	62.2	62.5	13.8	63.2	53.6	72.1	37.8	62.9	15.3	63.3	53.2	75.1
Spain, Galicia	100	63.5	14.7	64.9	53.7	74.8	64.6	63.7	14.5	65.0	54.3	74.6	35.4	63.2	15.2	64.4	53.0	74.9
Spain, La Rioja	100	62.4	15.1	64.7	51.4	75.0	66.2	61.8	15.2	65.0	50.2	74.6	33.8	63.5	14.9	64.0	53.0	75.4
Spain, Murcia	100	62.6	15.3	63.7	53.0	74.2	64.8	62.6	15.2	64.1	53.3	74.0	35.2	62.7	15.5	63.0	52.1	74.5
Spain, Navarre *	100	63.8	14.2	65.7	53.9	74.5	65.8	64.4	13.7	66.3	54.8	74.9	34.2	62.5	15.1	64.6	52.6	73.9
Spain, Valencian region	100	63.8	15.6	65.8	53.5	75.6	63.6	63.7	15.6	65.8	53.6	75.5	36.4	63.9	15.7	65.6	53.5	75.7
Sweden	100	60.3	16.3	62.4	50.4	72.8	64.5	60.7	16.1	62.8	51.0	73.2	35.5	59.4	16.5	61.7	49.4	72.0
Switzerland	100	62.8	15.8	64.7	53.8	74.5	63.2	62.9	15.7	64.8	53.8	74.5	36.8	62.7	15.9	64.6	53.8	74.5
the Netherlands	100	61.1	15.6	63.1	51.5	72.7	60.6	61.2	15.6	63.2	51.4	73.0	39.4	60.9	15.6	63.0	51.5	72.3
United Kingdom, England	100	58.2	16.4	59.3	48.1	70.5	61.3	58.5	16.4	59.6	48.5	70.7	38.7	57.7	16.3	58.9	47.8	70.0
United Kingdom, Northern Ireland	100	58.2	16.8	59.0	47.4	71.5	59.8	58.2	16.9	59.0	47.4	71.4	40.2	58.1	16.6	58.8	47.0	71.5
United Kingdom, Scotland	100	57.2	15.4	58.5	48.0	68.3	59.8	57.2	15.7	58.7	47.8	68.5	40.2	57.2	14.9	58.4	48.1	68.0
United Kingdom, Wales	100	58.9	16.5	60.5	49.0	71.5	63.1	59.2	16.5	60.5	49.3	71.8	36.9	58.4	16.4	60.3	48.0	71.0

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 §	1022.2	1317.1	740.9
Belgium, Dutch-speaking *	1237.0	1487.5	998.2
Belgium, French-speaking *	1472.5	1858.8	1104.2
Bosnia and Herzegovina	839.6	1052.0	637.0
Denmark	949.0	1187.5	721.5
Estonia	805.6	1041.7	580.5
Finland	900.8	1138.4	674.3
France	1376.8	1735.5	1034.8
Greece	1281.4	1698.8	883.4
Iceland	928.1	1146.8	719.6
Montenegro *	392.6	480.1	309.2
Norway	1050.2	1336.1	777.6
Romania	1173.0	1399.8	956.8
Serbia	830.1	1071.6	599.7
Spain, Andalusia	1314.9	1634.4	1010.2
Spain, Aragon	1242.9	1654.5	850.3
Spain, Asturias	1159.6	1559.3	778.4
Spain, Basque country	1143.3	1487.0	815.6
Spain, Canary Islands	1550.8	2023.0	1100.5
Spain, Cantabria *	1038.4	1447.4	648.3
Spain, Castile and León *	1088.1	1422.7	769.1
Spain, Castile-La Mancha *	1219.7	1526.1	927.6
Spain, Catalonia	1502.3	1951.8	1073.6
Spain, Community of Madrid	1246.3	1664.6	847.3
Spain, Extremadura	1190.5	1482.7	911.9
Spain, Galicia	1265.8	1664.9	885.2
Spain, La Rioja	1161.5	1558.9	782.5
Spain, Murcia	1565.9	2047.6	1106.6
Spain, Navarre *	1321.6	1736.3	926.1
Spain, Valencian region	1529.3	1969.6	1109.4
Sweden	1005.3	1282.9	740.4
Switzerland	956.4	1209.1	715.4
the Netherlands	1053.7	1270.5	846.9
United Kingdom, England	1078.5	1331.4	837.3
United Kingdom, Northern Ireland	1117.8	1353.4	893.1
United Kingdom, Scotland	991.6	1213.4	780.1
United Kingdom, Wales	1055.8	1347.8	777.4

§ 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 §	1044.2	100	192.2	18.4	59.0	5.7	68.1	6.5	40.6	3.9	118.2	11.3	158.8	15.2	77.3	7.4	47.4	4.5	169.4	16.2	268.7	25.7	3.2	0.3
Belgium, Dutch-speaking *	1306.8	100	225.9	17.3	87.0	6.7	135.2	10.3	49.3	3.8	167.0	12.8	216.2	16.5	110.3	8.4	44.0	3.4	360.7	27.6	127.4	9.7	0	0
Belgium, French-speaking *	1366.8	100	219.9	16.1	89.5	6.5	112.7	8.2	38.4	2.8	206.7	15.1	245.1	17.9	207.7	15.2	22.4	1.6	348.2	25.5	121.3	8.9	0	0
Bosnia and Herzegovina	763.2	100	145.0	19.0	97.4	12.8	43.0	5.6	55.8	7.3	98.0	12.8	153.8	20.1	101.4	13.3	6.5	0.9	124.9	16.4	91.2	11.9	0	0
Denmark	952.4	100	197.1	20.7	63.5	6.7	96.6	10.1	71.4	7.5	89.3	9.4	160.6	16.9	98.1	10.3	2.9	0.3	161.3	16.9	172.2	18.1	0	0
Estonia	783.8	100	199.0	25.4	96.5	12.3	70.8	9.0					147.0	18.8	103.2	13.2	53.5	6.8	107.8	13.8	0.8	0.1	5.3	0.7
Finland	941.4	100	199.0	21.1	79.7	8.5	128.4	13.6	147.6	15.7	87.8	9.3	235.4	25.0	46.9	5.0	3.3	0.3	214.8	22.8	33.9	3.6	0	0
France	1375.7	100	276.5	20.1	101.0	7.3	136.5	9.9					227.5	16.5	228.1	16.6	11.7	0.8	236.0	17.2	158.3	11.5	0	0
Greece	1413.3	100	226.1	16.0	83.6	5.9	108.7	7.7	29.1	2.1	241.7	17.1	270.8	19.2	134.6	9.5	15.8	1.1	146.7	10.4	427.2	30.2	0	0
Iceland	809.8	100	194.1	24.0	55.5	6.8	94.3	11.6	52.7	6.5	36.1	4.5	88.8	11.0	135.9	16.8	19.4	2.4	185.8	22.9	36.1	4.5	0	0
Montenegro *	376.2	100	51.4	13.7	19.3	5.1	19.3	5.1	17.7	4.7	48.2	12.8	65.9	17.5	141.5	37.6	0	0	38.6	10.3	40.2	10.7	0	0
Norway	1003.9	100	276.9	27.6	66.4	6.6	110.9	11.0					139.5	13.9	177.8	17.7	6.5	0.7	199.3	19.9	25.1	2.5	1.5	0.1
Romania	1164.2	100	197.7	17.0	90.2	7.7	49.9	4.3					116.3	10.0	66.5	5.7	6.4	0.5	170.5	14.6	466.6	40.1	0	0
Serbia	879.1	100	157.6	17.9	87.8	10.0	59.7	6.8					152.9	17.4	225.3	25.6	8.8	1.0	126.2	14.4	60.5	6.9	0.3	0
Spain, Andalusia	1294.6	100	265.1	20.5	114.3	8.8	127.1	9.8					212.1	16.4	107.3	8.3	4.3	0.3	199.2	15.4	264.6	20.4	0.6	0
Spain, Aragon	1358.0	100	272.4	20.1	70.2	5.2	119.2	8.8	70.9	5.2	172.0	12.7	242.9	17.9	140.3	10.3	3.0	0.2	167.5	12.3	342.5	25.2	0	0
Spain, Asturias	1409.0	100	294.0	20.9	92.1	6.5	151.9	10.8	50.0	3.5	199.9	14.2	249.9	17.7	195.0	13.8	0	0	217.5	15.4	208.7	14.8	0	0
Spain, Basque country	1267.2	100	218.5	17.2	109.0	8.6	148.4	11.7	33.9	2.7	122.7	9.7	156.6	12.4	148.8	11.7	1.8	0.1	201.1	15.9	283.0	22.3	0	0
Spain, Canary Islands	1534.2	100	230.4	15.0	88.7	5.8	60.8	4.0	28.4	1.8	396.5	25.8	424.9	27.7	48.2	3.1	3.2	0.2	333.5	21.7	344.7	22.5	0	0
Spain, Cantabria *	1147.7	100	371.1	32.3	84.2	7.3	118.6	10.3	39.5	3.4	135.7	11.8	175.3	15.3	111.7	9.7	85.9	7.5	140.9	12.3	58.4	5.1	1.7	0.1
Spain, Castile and León * ‡	1312.3	100	233.8	17.8	87.1	6.6	117.1	8.9	69.2	5.3	160.9	12.3	230.0	17.5	156.3	11.9	1.3	0.1	179.2	13.7	307.6	23.4	0	0
Spain, Castile-La Mancha *	1238.1	100	246.1	19.9	127.4	10.3	142.1	11.5					207.8	16.8	63.7	5.1	27.9	2.3	150.5	12.2	269.6	21.8	2.9	0.2
Spain, Catalonia	1505.0	100	288.2	19.1	129.1	8.6	149.4	9.9	35.7	2.4	174.5	11.6	212.4	14.1	117.7	7.8	35.6	2.4	249.4	16.6	323.2	21.5	0	0
Spain, Community of Madrid	1203.1	100	268.3	22.3	83.1	6.9	133.9	11.1	42.0	3.5	173.9	14.5	216.0	17.9	131.9	11.0	13.7	1.1	259.8	21.6	96.5	8.0	0	0
Spain, Extremadura	1271.9	100	246.3	19.4	91.8	7.2	137.7	10.8					199.5	15.7	75.9	6.0	21.5	1.7	141.4	11.1	346.5	27.2	11.2	0.9
Spain, Galicia	1478.4	100	272.1	18.4	94.0	6.4	178.0	12.0	62.6	4.2	196.2	13.3	258.7	17.5	105.5	7.1	4.8	0.3	259.5	17.6	305.4	20.7	0.4	0
Spain, La Rioja	1248.6	100	374.9	30.0	41.3	3.3	117.6	9.4	47.7	3.8	101.7	8.1	149.3	12.0	82.6	6.6	3.2	0.3	409.8	32.8	69.9	5.6	0	0
Spain, Murcia	1424.5	100	378.9	26.6	110.4	7.8	115.8	8.1	34.1	2.4	180.1	12.6	214.2	15.0	84.3	5.9	0.7	0	228.3	16.0	291.9	20.5	0	0
Spain, Navarre *	1371.7	100	251.1	18.3	52.0	3.8	180.6	13.2	70.4	5.1	140.8	10.3	211.3	15.4	185.2	13.5	1.5	0.1	277.1	20.2	212.8	15.5	0	0
Spain, Valencian region	1581.6	100	189.7	12.0	138.1	8.7	139.9	8.8					231.8	14.7	198.1	12.5	5.2	0.3	240.0	15.2	438.9	27.7	0	0
Sweden ‡	996.2	100	250.0	25.1	51.9	5.2	106.8	10.7					173.8	17.4	109.0	10.9	3.3	0.3	202.2	20.3	99.3	10.0	0	0
Switzerland	967.7	100	207.9	21.5	37.8	3.9	33.1	3.4	25.0	2.6	121.9	12.6	146.8	15.2	130.8	13.5	16.8	1.7	278.1	28.7	116.1	12.0	0.1	0
the Netherlands	1074.2	100	175.0	16.3	67.1	6.2	93.3	8.7	38.9	3.6	104.4	9.7	143.3	13.3	127.3	11.9	65.8	6.1	226.4	21.1	115.9	10.8	60.0	5.6
United Kingdom, England #	1037.6	100	190.6	18.4	98.1	9.5	96.3	9.3					183.0	17.6	67.3	6.5	10.9	1.0	206.9	19.9	155.1	14.9	29.5	2.8
United Kingdom, Northern Ireland #	1038.2	100	204.9	19.7	154.2	14.9	126.2	12.2					150.0	14.4	33.3	3.2	6.9	0.7	214.9	20.7	126.2	12.2	21.7	2.1
United Kingdom, Scotland	994.8	100	223.3	22.4	119.3	12.0	119.0	12.0					172.4	17.3	38.1	3.8	7.9	0.8	209.8	21.1	105.1	10.6	0	0
United Kingdom, Wales #	1066.0	100	259.4	24.3	108.8	10.2	108.2	10.1					193.5	18.1	43.1	4.0	9.5	0.9	200.5	18.8	141.5	13.3		

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 §	1022.2	187.5	57.8	66.1	39.9	116.2	156.1	75.1	46.8	166.4	263.2	3.1
Belgium, Dutch-speaking *	1237.0	217.3	83.7	130.3	47.9	154.2	202.1	102.5	39.2	339.8	122.2	0
Belgium, French-speaking *	1472.5	234.8	95.6	120.9	40.8	225.8	266.7	226.2	24.3	372.9	131.2	0
Bosnia and Herzegovina	839.6	148.4	107.1	46.4	60.3	110.7	171.0	113.4	8.2	144.6	100.6	0
Denmark	949.0	200.5	63.1	95.3	73.4	85.5	158.8	95.7	2.9	160.7	171.9	0
Estonia	805.6	205.6	97.7	69.5			151.5	108.7	55.8	110.1	0.8	5.9
Finland	900.8	190.2	76.1	118.9	153.6	76.8	230.3	42.9	2.9	207.0	32.5	0
France	1376.8	283.5	103.2	137.2			224.5	219.2	11.6	240.5	157.1	0
Greece	1281.4	215.9	78.6	102.9	28.6	210.9	239.5	117.8	14.0	137.2	375.6	0
Iceland	928.1	218.6	66.3	112.9	56.5	41.6	98.2	164.8	26.5	203.3	37.5	0
Montenegro *	392.6	51.5	20.1	19.3	17.9	50.2	68.1	149.6	0	41.5	42.4	0
Norway	1050.2	286.5	69.4	118.3			145.9	188.9	6.9	206.7	26.1	1.5
Romania	1173.0	196.9	91.1	49.3			116.5	68.0	6.7	172.7	471.8	0
Serbia	830.1	151.6	84.1	54.9			141.5	210.6	8.3	120.3	58.5	0.3
Spain, Andalusia	1314.9	263.5	115.1	128.8			217.3	112.3	4.4	202.4	270.4	0.6
Spain, Aragon	1242.9	255.3	66.8	110.0	66.2	153.8	219.9	120.4	2.6	155.4	312.5	0
Spain, Asturias	1159.6	247.5	80.1	121.9	42.9	157.0	199.9	148.1	0	190.0	172.0	0
Spain, Basque country	1143.3	201.6	100.6	131.9	31.3	106.6	137.8	126.3	1.7	188.5	254.9	0
Spain, Canary Islands	1550.8	222.3	85.4	58.3	25.4	415.2	440.6	51.2	3.2	340.8	349.0	0
Spain, Cantabria *	1038.4	336.4	79.8	105.4	36.2	122.9	159.2	96.3	77.0	130.4	52.5	1.5
Spain, Castile and León * ‡	1088.1	203.5	74.6	100.8	62.3	122.6	184.9	117.9	1.1	153.2	252.1	0
Spain, Castile-La Mancha *	1219.7	243.5	124.4	143.5			207.3	61.5	25.9	148.0	262.8	2.9
Spain, Catalonia	1502.3	288.2	127.1	151.2	34.9	176.8	214.0	117.0	35.8	249.0	320.0	0
Spain, Community of Madrid	1246.3	275.2	83.7	139.4	40.5	188.8	229.3	137.9	14.5	266.8	99.5	0
Spain, Extremadura	1190.5	234.4	88.1	129.2			183.7	70.0	19.1	134.9	320.0	11.1
Spain, Galicia	1265.8	241.6	82.8	154.6	57.6	158.2	215.8	83.9	3.6	231.5	251.6	0.3
Spain, La Rioja	1161.5	346.8	38.9	109.9	44.5	93.9	138.4	76.6	2.7	383.9	64.3	0
Spain, Murcia	1565.9	413.2	118.9	124.7	32.8	205.3	238.2	95.4	0.8	249.9	324.8	0
Spain, Navarre *	1321.6	244.9	52.2	175.7	67.4	135.4	202.8	171.1	1.6	271.3	201.9	0
Spain, Valencian region	1529.3	184.1	133.8	134.8			224.0	190.1	5.0	233.6	423.8	0
Sweden ‡	1005.3	255.1	52.0	109.5			175.5	104.9	3.3	204.6	100.4	0
Switzerland	956.4	204.0	37.9	33.2	24.5	120.5	144.9	128.3	16.6	276.5	114.8	0.1
the Netherlands	1053.7	171.8	66.8	89.7	39.0	100.1	139.1	125.1	63.8	223.2	115.5	58.8
United Kingdom, England #	1078.5	198.5	101.8	101.3			191.3	70.0	11.1	213.4	161.0	30.2
United Kingdom, Northern Ireland #	1117.8	219.5	163.9	136.5			162.1	37.1	7.5	230.6	137.3	23.2
United Kingdom, Scotland	991.6	223.4	120.0	116.7			172.2	37.3	7.8	208.1	106.1	0
United Kingdom, Wales #	1055.8	259.1	112.3	106.1			192.5	41.4	8.8	196.7	137.3	

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 §	9250	3225	1	24	8	1134	4392	175	174	9	358	815	3666	11	4492	8	0
Belgium, Dutch-speaking *	8648	2537	49	0	2	1891	4479	247	113	0	360	288	3520	1	3809	0	0
Belgium, French-speaking *	6658	2106	96	0	37	1368	3607	136	159	0	295	257	2314	175	2746	10	0
Bosnia and Herzegovina	2695	1280	0	0	0	936	2216	1	93	4	98	249	126	6	381	0	0
Denmark &	5591	1852	184	0			2036	250	257	5	512	1189	1849	1	3039	4	0
Estonia	1040	354	0	0	0	0	354	26	43	1	70	20	596	0	616	0	0
Finland	5198	854	146	0	0	694	1694	168	131	0	299	281	2879	45	3205	0	0
France	92512	29926	531	84	59	16524	47124	1155	1923	0	3078	5296	34921	1632	41849	461	0
Greece	15153	8104	0	0	0	3695	11799	449	236	0	685	1112	1557	0	2669	0	0
Iceland	292	71	0	0			71	6	10	0	16	124	80	0	204	1	0
Montenegro *	234	231	0	0	0	0	231	0	0	0	0	3	0	0	3	0	0
Norway	5369	1315	34	0			1349			348	348	1404	2260	7	3671	1	0
Romania	22236	18171	0	1	46	935	19153	88	1109	0	1197	472	743	656	1871	15	0
Serbia	5495	3350	33	20	3	718	4124	44	433	3	480	451	403	3	857	10	24
Spain, Andalusia	10943	4324	23	0			4347			367	367	559	5670	0	6229	0	0
Spain, Aragon	1800	380	2	0		138	520	9	76	0	85	104	1089	0	1193	2	0
Spain, Asturias	1438	521	5	0	0	5	531	29	67	0	96	45	763	3	811	0	0
Spain, Basque country	2767	771	1	0			772	21	118	0	139	175	1681	0	1856	0	0
Spain, Canary Islands	3409	1613	1	0	0	0	1614	0	0	208	208	49	1533	0	1582	5	0
Spain, Cantabria *	668	214	0	0			214	6	27	0	33	22	398	0	420	1	0
Spain, Castile and León *	3149	1137	10	0			1147	68	78	0	146	83	1710	0	1793	63	0
Spain, Castile-La Mancha *	2526	945	0	0			945	31	112	0	143	48	1333	56	1437	1	0
Spain, Catalonia	11551	1007	9	0		3254	4270	211	236	0	447	1391	5443	0	6834	0	0
Spain, Community of Madrid	8017	3054	50	0			3104	126	299	0	425	340	4147	0	4487	1	0
Spain, Extremadura	1358	655	4	0			659	29	14	0	43	28	377	251	656	0	0
Spain, Galicia	3994	1719	16	0	0	0	1735	121	157	0	278	278	1644	59	1981	0	0
Spain, La Rioja	393	135	0	0	0	0	135	10	12	0	22	11	225	0	236	0	0
Spain, Murcia	2128	382	0	0	0	680	1062	25	68	0	93	76	897	0	973	0	0
Spain, Navarre *	896	295	14	0			309	28	4	0	32	37	518	0	555	0	0
Spain, Valencian region	7914	3884	78	0			3962	68	426	0	494	153	2693	606	3452	6	0
Sweden	10240	3135	114	0			3249			875	875	2537	3576	0	6113	3	0
Switzerland	8298	3360	50	0	93	0	3503	160	177	0	337	1731	2698	23	4452	6	0
the Netherlands ‡	17886	4411	287	0		675	5373	530	408	0	938	6087	5479	9	11575	0	0
United Kingdom, England #	58406	16174	1114		9	4766	22065	2043	1176	48	3267	10753	21761	560	33074	0	0
United Kingdom, Northern Ireland #	1966	543	20		0	12	578	61	7	6	74	609	692	13	1314	0	0
United Kingdom, Scotland	5435	1857	56	0			1913	143	69	0	212	840	2175	295	3310	0	0
United Kingdom, Wales #	3361	1100	100	0		103	1305	119	77	0	196	595	1257	8	1860	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

& No distinction is made between HD and HDF

|| 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		
Austria §	1044.2	364.0	0.1	2.7	0.9	128.0	495.8	19.8	19.6	1.0	40.4	92.0	413.8	1.2	507.1	0.9	0
Belgium, Dutch-speaking *	1306.8	383.4	7.4	0	0.3	285.8	676.8	37.3	17.1	0	54.4	43.5	531.9	0.2	575.6	0	0
Belgium, French-speaking *	1366.8	432.3	19.7	0	7.6	280.8	740.5	27.9	32.6	0	60.6	52.8	475.0	35.9	563.7	2.1	0
Bosnia and Herzegovina	763.2	362.5	0	0	0	265.1	627.6	0.3	26.3	1.1	27.8	70.5	35.7	1.7	107.9	0	0
Denmark &	952.4	315.5	31.3	0			346.8	42.6	43.8	0.9	87.2	202.5	315.0	0.2	517.7	0.7	0
Estonia	783.8	266.8	0	0	0	0	266.8	19.6	32.4	0.8	52.8	15.1	449.2	0	464.2	0	0
Finland	941.4	154.7	26.4	0	0	125.7	306.8	30.4	23.7	0	54.2	50.9	521.4	8.1	580.4	0	0
France	1375.7	445.0	7.9	1.2	0.9	245.7	700.7	17.2	28.6	0	45.8	78.8	519.3	24.3	622.3	6.9	0
Greece	1413.3	755.9	0	0	0	344.6	1100.5	41.9	22.0	0	63.9	103.7	145.2	0	248.9	0	0
Iceland	809.8	196.9	0	0			196.9	16.6	27.7	0	44.4	343.9	221.9	0	565.8	2.8	0
Montenegro *	376.2	371.4	0	0	0	0	371.4	0	0	0	0	4.8	0	0	4.8	0	0
Norway	1003.9	245.9	6.4	0			252.2			65.1	65.1	262.5	422.6	1.3	686.4	0.2	0
Romania	1164.2	951.3	0	0.1	2.4	49.0	1002.8	4.6	58.1	0	62.7	24.7	38.9	34.3	98.0	0.8	0
Serbia	879.1	535.9	5.3	3.2	0.5	114.9	659.8	7.0	69.3	0.5	76.8	72.2	64.5	0.5	137.1	1.6	3.8
Spain, Andalusia	1294.6	511.5	2.7	0			514.3			43.4	43.4	66.1	670.8	0	736.9	0	0
Spain, Aragon	1358.0	286.7	1.5	0		104.1	392.3	6.8	57.3	0	64.1	78.5	821.6	0	900.1	1.5	0
Spain, Asturias	1409.0	510.5	4.9	0	0	4.9	520.3	28.4	65.7	0	94.1	44.1	747.6	2.9	794.7	0	0
Spain, Basque country	1267.2	353.1	0.5	0			353.6	9.6	54.0	0	63.7	80.1	769.9	0	850.0	0	0
Spain, Canary Islands	1534.2	725.9	0.5	0	0	0	726.4	0	0	93.6	93.6	22.1	689.9	0	712.0	2.3	0
Spain, Cantabria *	1147.7	367.7	0	0			367.7	10.3	46.4	0	56.7	37.8	683.8	0	721.6	1.7	0
Spain, Castile and León *	1312.3	473.8	4.2	0			478.0	28.3	32.5	0	60.8	34.6	712.6	0	747.2	26.3	0
Spain, Castile-La Mancha *	1238.1	463.2	0	0			463.2	15.2	54.9	0	70.1	23.5	653.4	27.4	704.3	0.5	0
Spain, Catalonia	1505.0	131.2	1.2	0		424.0	556.3	27.5	30.7	0	58.2	181.2	709.2	0	890.4	0	0
Spain, Community of Madrid	1203.1	458.3	7.5	0			465.8	18.9	44.9	0	63.8	51.0	622.4	0	673.4	0.2	0
Spain, Extremadura	1271.9	613.5	3.7	0			617.2	27.2	13.1	0	40.3	26.2	353.1	235.1	614.4	0	0
Spain, Galicia	1478.4	636.3	5.9	0	0	0	642.2	44.8	58.1	0	102.9	102.9	608.5	21.8	733.3	0	0
Spain, La Rioja	1248.6	428.9	0	0	0	0	428.9	31.8	38.1	0	69.9	34.9	714.9	0	749.8	0	0
Spain, Murcia	1424.5	255.7	0	0	0	455.2	710.9	16.7	45.5	0	62.3	50.9	600.4	0	651.3	0	0
Spain, Navarre *	1371.7	451.6	21.4	0			473.0	42.9	6.1	0	49.0	56.6	793.0	0	849.6	0	0
Spain, Valencian region	1581.6	776.2	15.6	0			791.8	13.6	85.1	0	98.7	30.6	538.2	121.1	689.9	1.2	0
Sweden	996.2	305.0	11.1	0			316.1			85.1	85.1	246.8	347.9	0	594.7	0.3	0
Switzerland	967.7	391.8	5.8	0	10.8	0	408.5	18.7	20.6	0	39.3	201.9	314.6	2.7	519.2	0.7	0
the Netherlands	1074.2	264.9	17.2	0		40.5	322.7	31.8	24.5	0	56.3	365.6	329.0	0.5	695.2	0	0
United Kingdom, England #	1037.6	287.3	19.8		0.2	84.7	392.0	36.3	20.9	0.9	58.0	191.0	386.6	9.9	587.6	0	0
United Kingdom, Northern Ireland #	1038.2	286.7	10.6		0	6.3	305.2	32.2	3.7	3.2	39.1	321.6	365.4	6.9	693.9	0	0
United Kingdom, Scotland	994.8	339.9	10.3	0			350.2	26.2	12.6	0	38.8	153.8	398.1	54.0	605.9	0	0
United Kingdom, Wales #	1066.0	348.9	31.7	0		32.7	413.9	37.7	24.4	0	62.2	188.7	398.7	2.5	589.9	0	0

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

§ 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

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|| 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 §	1022.2	357.3	0.1	2.7	0.9	124.7	485.6	19.1	19.1	0.9	39.2	90.2	405.0	1.3	496.5	0.9	0	
Belgium, Dutch-speaking *	1237.0	352.7	7.3	0	0.3	262.8	623.1	35.6	16.4	0	52.0	44.5	517.4	0.1	562.0	0	0	
Belgium, French-speaking *	1472.5	470.4	20.8	0	8.0	306.4	805.7	30.6	35.0	0	65.6	54.8	505.7	38.6	599.1	2.1	0	
Bosnia and Herzegovina	839.6	404.9	0	0	0	298.9	703.7	0.4	28.9	1.2	30.5	68.7	35.0	1.7	105.4	0	0	
Denmark &	949.0	309.0	31.8	0			340.8	41.5	42.8	0.8	85.2	207.2	315.0	0.2	522.3	0.7	0	
Estonia	805.6	277.1	0	0	0	0	277.1	19.9	32.7	0.8	53.3	15.4	459.9	0	475.2	0	0	
Finland	900.8	144.2	26.6	0	0	116.1	286.9	29.1	21.5	0	50.7	50.4	504.9	8.1	563.3	0	0	
France	1376.8	435.1	8.3	1.2	0.9	238.5	683.9	17.2	27.3	0	44.5	83.0	534.1	24.5	641.5	6.9	0	
Greece	1281.4	653.5	0	0	0	324.2	977.8	38.9	20.2	0	59.1	104.1	140.5	0	244.6	0	0	
Iceland	928.1	244.0	0	0			244.0	20.5	35.5	0	56.0	378.7	245.6	0	624.3	3.8	0	
Montenegro *	392.6	387.7	0	0	0	0	387.7	0	0	0	0	4.9	0	0	4.9	0	0	
Norway	1050.2	261.0	6.6	0			267.6			69.3	69.3	269.4	442.4	1.4	713.1	0.2	0	
Romania	1173.0	961.3	0	0.1	2.4	48.6	1012.4	4.7	59.1	0	63.8	24.2	38.0	33.8	96.1	0.8	0	
Serbia	830.1	499.4	5.1	3.0	0.4	108.8	616.7	6.9	65.4	0.5	72.8	72.3	62.7	0.5	135.4	1.5	3.6	
Spain, Andalusia	1314.9	533.8	2.6	0			536.5			44.8	44.8	64.9	668.8	0	733.6	0	0	
Spain, Aragon	1242.9	249.4	1.4	0		94.5	345.2	6.0	51.6	0	57.6	77.6	761.4	0	839.0	1.1	0	
Spain, Asturias	1159.6	399.5	4.9	0	0	4.0	408.3	24.2	52.8	0	77.0	42.5	629.4	2.4	674.3	0	0	
Spain, Basque country	1143.3	306.6	0.4	0			307.0	9.2	47.5	0	56.7	78.6	701.0	0	779.6	0	0	
Spain, Canary Islands	1550.8	766.3	0.4	0	0	0	766.7	0	0	94.8	94.8	20.4	666.9	0	687.3	2.1	0	
Spain, Cantabria *	1038.4	329.6	0	0			329.6	10.2	41.2	0	51.4	37.4	618.5	0	655.9	1.6	0	
Spain, Castile and León *	1088.1	367.9	3.9	0			371.8	24.0	26.2	0	50.2	33.1	616.9	0	650.0	16.2	0	
Spain, Castile-La Mancha *	1219.7	449.6	0	0			449.6	14.3	54.2	0	68.5	23.9	649.8	27.4	701.1	0.5	0	
Spain, Catalonia	1502.3	130.0	1.2	0		417.9	549.1	27.8	31.1	0	58.8	179.4	715.0	0	894.4	0	0	
Spain, Community of Madrid	1246.3	480.2	7.7	0			487.9	19.5	46.6	0	66.1	51.2	641.0	0	692.1	0.2	0	
Spain, Extremadura	1190.5	562.1	3.6	0			565.7	25.8	12.5	0	38.3	26.0	337.4	223.1	586.5	0	0	
Spain, Galicia	1265.8	511.9	5.2	0	0	0	517.1	40.0	47.8	0	87.8	96.0	540.5	24.3	660.9	0	0	
Spain, La Rioja	1161.5	384.9	0	0	0	0	384.9	30.7	35.9	0	66.6	35.8	674.1	0	709.9	0	0	
Spain, Murcia	1565.9	290.7	0	0	0	508.8	799.5	16.5	50.1	0	66.6	52.4	647.4	0	699.8	0	0	
Spain, Navarre *	1321.6	425.9	20.8	0			446.7	40.8	5.8	0	46.7	55.8	772.4	0	828.3	0	0	
Spain, Valencian region	1529.3	749.1	14.9	0			764.1	13.2	82.5	0	95.7	30.4	520.6	117.3	668.3	1.2	0	
Sweden	1005.3	299.4	11.6	0			311.1			82.5	82.5	255.8	355.5	0	611.3	0.3	0	
Switzerland	956.4	387.3	5.7	0	10.6	0	403.6	18.6	20.5	0	39.0	198.7	311.8	2.6	513.1	0.7	0	
the Netherlands	1053.7	261.9	17.1	0		40.0	319.0	31.2	23.8	0	55.0	359.3	319.9	0.5	679.7	0	0	
United Kingdom, England #	1078.5	296.3	20.7		0.2	87.4	404.7	37.3	21.5	0.9	59.6	199.1	404.7	10.4	614.2	0	0	
United Kingdom, Northern Ireland #	1117.8	316.9	11.4		0	7.0	337.0	34.6	4.2	3.4	42.1	340.0	391.4	7.2	738.6	0	0	
United Kingdom, Scotland	991.6	335.9	10.1	0			346.1	25.7	12.4	0	38.1	154.0	398.6	54.8	607.4	0	0	
United Kingdom, Wales #	1055.8	332.3	32.4	0		30.2	395.6	37.1	23.2	0	60.2	194.4	402.9	2.7	600.0	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 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

& No distinction is made between HD and HDF

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

Values based on 1 to 5 patients are suppressed

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

	All	Haemodialysis						Peritoneal dialysis				Kidney transplant				Unkn	Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%		
Austria §	100	34.9	0	0.3	0.1	12.3	47.5	1.9	1.9	0.1	3.9	8.8	39.6	0.1	48.6	0.1	0
Belgium, Dutch-speaking *	100	29.3	0.6	0	0	21.9	51.8	2.9	1.3	0	4.2	3.3	40.7	0	44.0	0	0
Belgium, French-speaking *	100	31.6	1.4	0	0.6	20.5	54.2	2.0	2.4	0	4.4	3.9	34.8	2.6	41.2	0.2	0
Bosnia and Herzegovina	100	47.5	0	0	0	34.7	82.2	0	3.5	0.1	3.6	9.2	4.7	0.2	14.1	0	0
Denmark &	100	33.1	3.3	0			36.4	4.5	4.6	0.1	9.2	21.3	33.1	0	54.4	0.1	0
Estonia	100	34.0	0	0	0	0	34.0	2.5	4.1	0.1	6.7	1.9	57.3	0	59.2	0	0
Finland	100	16.4	2.8	0	0	13.4	32.6	3.2	2.5	0	5.8	5.4	55.4	0.9	61.7	0	0
France	100	32.3	0.6	0.1	0.1	17.9	50.9	1.2	2.1	0	3.3	5.7	37.7	1.8	45.2	0.5	0
Greece	100	53.5	0	0	0	24.4	77.9	3.0	1.6	0	4.5	7.3	10.3	0	17.6	0	0
Iceland	100	24.3	0	0			24.3	2.1	3.4	0	5.5	42.5	27.4	0	69.9	0.3	0
Montenegro *	100	98.7	0	0	0	0	98.7	0	0	0	0	1.3	0	0	1.3	0	0
Norway	100	24.5	0.6	0			25.1			6.5	6.5	26.2	42.1	0.1	68.4	0	0
Romania	100	81.7	0	0	0.2	4.2	86.1	0.4	5.0	0	5.4	2.1	3.3	3.0	8.4	0.1	0
Serbia	100	61.0	0.6	0.4	0.1	13.1	75.1	0.8	7.9	0.1	8.7	8.2	7.3	0.1	15.6	0.2	0.4
Spain, Andalusia	100	39.5	0.2	0			39.7			3.4	3.4	5.1	51.8	0	56.9	0	0
Spain, Aragon	100	21.1	0.1	0		7.7	28.9	0.5	4.2	0	4.7	5.8	60.5	0	66.3	0.1	0
Spain, Asturias	100	36.2	0.3	0	0	0.3	36.9	2.0	4.7	0	6.7	3.1	53.1	0.2	56.4	0	0
Spain, Basque country	100	27.9	0	0			27.9	0.8	4.3	0	5.0	6.3	60.8	0	67.1	0	0
Spain, Canary Islands	100	47.3	0	0	0	0	47.3	0	0	6.1	6.1	1.4	45.0	0	46.4	0.1	0
Spain, Cantabria *	100	32.0	0	0			32.0	0.9	4.0	0	4.9	3.3	59.6	0	62.9	0.1	0
Spain, Castile and León *	100	36.1	0.3	0			36.4	2.2	2.5	0	4.6	2.6	54.3	0	56.9	2.0	0
Spain, Castile-La Mancha *	100	37.4	0	0			37.4	1.2	4.4	0	5.7	1.9	52.8	2.2	56.9	0	0
Spain, Catalonia	100	8.7	0.1	0		28.2	37.0	1.8	2.0	0	3.9	12.0	47.1	0	59.2	0	0
Spain, Community of Madrid	100	38.1	0.6	0			38.7	1.6	3.7	0	5.3	4.2	51.7	0	56.0	0	0
Spain, Extremadura	100	48.2	0.3	0			48.5	2.1	1.0	0	3.2	2.1	27.8	18.5	48.3	0	0
Spain, Galicia	100	43.0	0.4	0	0	0	43.4	3.0	3.9	0	7.0	7.0	41.2	1.5	49.6	0	0
Spain, La Rioja	100	34.4	0	0	0	0	34.4	2.5	3.1	0	5.6	2.8	57.3	0	60.1	0	0
Spain, Murcia	100	18.0	0	0	0	32.0	49.9	1.2	3.2	0	4.4	3.6	42.2	0	45.7	0	0
Spain, Navarre *	100	32.9	1.6	0			34.5	3.1	0.4	0	3.6	4.1	57.8	0	61.9	0	0
Spain, Valencian region	100	49.1	1.0	0			50.1	0.9	5.4	0	6.2	1.9	34.0	7.7	43.6	0.1	0
Sweden	100	30.6	1.1	0			31.7			8.5	8.5	24.8	34.9	0	59.7	0	0
Switzerland	100	40.5	0.6	0	1.1	0	42.2	1.9	2.1	0	4.1	20.9	32.5	0.3	53.7	0.1	0
the Netherlands	100	24.7	1.6	0		3.8	30.0	3.0	2.3	0	5.2	34.0	30.6	0.1	64.7	0	0
United Kingdom, England #	100	27.7	1.9		0	8.2	37.8	3.5	2.0	0.1	5.6	18.4	37.3	1.0	56.6	0	0
United Kingdom, Northern Ireland #	100	27.6	1.0		0	0.6	29.4	3.1	0.4	0.3	3.8	31.0	35.2	0.7	66.8	0	0
United Kingdom, Scotland	100	34.2	1.0	0			35.2	2.6	1.3	0	3.9	15.5	40.0	5.4	60.9	0	0
United Kingdom, Wales #	100	32.7	3.0	0		3.1	38.8	3.5	2.3	0	5.8	17.7	37.4	0.2	55.3	0	0

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

§ 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

& No distinction is made between HD and HDF

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

Values based on 1 to 5 patients are suppressed

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

	All				0-19				20-44				45-64				65-74				75+				Men				Women				DM				Non-DM			
	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un	HD	PD	Tx	Un
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Austria §	47	4	49	0	10	3	86	0	27	4	69	0	36	4	59	0	52	4	44	0	75	3	22	0	47	4	49	0	48	4	48	0	62	3	36	0	45	4	51	0
Belgium, Dutch-speaking *	52	4	44	0					26	5	69	0	31	4	65	0	47	4	49	0	83	4	13	0	52	4	44	0	52	4	44	0	69	4	27	0	48	4	47	0
Belgium, French-speaking *	54	4	41	0					34	4	62	0	40	4	56	0	57	5	38	0	77	5	18	0	54	4	42	0	55	5	40	0	72	5	23	0	50	4	45	0
Bosnia and Herzegovina	82	4	14	0	43	0	57	0	59	5	37	0	81	3	16	0	92	4	4	0	96	3	1	0	81	3	16	0	84	5	12	0	90	5	5	0	80	3	16	0
Denmark	36	9	54	0	7	7	85	0	21	5	73	0	28	6	65	0	44	10	46	0	63	19	18	0	38	9	53	0	35	9	56	0	51	13	35	0	33	8	58	0
Estonia	34	7	59	0	8	15	77	0	30	7	63	0	22	6	72	0	42	6	51	0	66	9	25	0	33	7	60	0	36	6	58	0	32	11	57	0	34	6	60	0
Finland	33	6	62	0	1	2	98	0	23	4	73	0	26	5	69	0	36	7	58	0	57	9	34	0	34	6	60	0	30	6	64	0	42	8	50	0	30	5	65	0
France	51	3	45	0	18	6	76	0	29	2	68	0	37	2	60	1	55	3	41	1	78	5	16	0	51	3	45	0	51	4	45	1	73	4	23	0	47	3	50	1
Greece	78	5	18	0	31	28	41	0	50	5	46	0	68	5	27	0	82	5	13	0	94	4	2	0	79	4	17	0	76	6	18	0	92	4	4	0	74	5	21	0
Iceland	24	5	70	0	0	17	83	0	17	2	81	0	17	3	80	0	24	9	67	0	57	11	30	2	22	5	72	1	28	6	67	0	28	6	66	0	24	5	70	0
Montenegro *	99	0	1	0					97	0	3	0	99	0	1	0	99	0	1	0	100	0	0	0	99	0	1	0	99	0	1	0	100	0	0	0	98	0	2	0
Norway	25	6	68	0	3	5	92	0	15	4	82	0	20	4	76	0	27	8	65	0	44	12	44	0	25	6	68	0	25	7	69	0	34	8	59	0	24	6	70	0
Romania	86	5	8	0	64	17	19	0	68	5	27	0	84	5	11	0	92	5	2	0	93	7	0	0	86	5	9	0	87	6	7	0	90	7	3	0	86	5	9	0
Serbia	75	9	16	1	36	15	49	0	52	8	39	0	71	9	19	1	86	8	5	1	89	9	0	1	76	8	15	1	73	11	16	0	77	16	7	1	75	7	17	1
Spain, Andalusia	40	3	57	0	14	5	82	0	23	3	74	0	27	3	70	0	44	4	52	0	74	4	22	0	39	3	58	0	41	4	56	0	61	4	35	0	36	3	61	0
Spain, Aragon	29	5	66	0	0	0	100	0	18	4	78	0	19	5	76	0	28	4	68	0	46	6	48	0	30	5	65	0	27	4	69	0	48	5	48	0	25	5	70	0
Spain, Asturias	37	7	56	0	8	0	92	0	17	8	75	0	27	6	67	0	36	7	56	0	63	6	30	0	38	7	56	0	36	6	58	0	55	7	38	0	33	7	60	0
Spain, Basque country	28	5	67	0	13	0	87	0	18	5	77	0	19	4	77	0	26	6	68	0	52	7	41	0	29	5	66	0	26	4	70	0	54	7	39	0	24	5	71	0
Spain, Canary Islands	47	6	46	0	14	14	71	0	31	6	62	1	36	6	57	0	50	7	44	0	75	5	19	0	47	6	47	0	49	7	45	0	61	5	33	0	42	6	51	0
Spain, Cantabria *	32	5	63	0					14	7	79	0	18	3	79	0	32	5	63	0	65	8	27	0	33	5	62	0	30	5	65	0	46	8	46	0	30	4	66	0
Spain, Castile and León *	36	5	57	2					23	4	72	1	24	5	71	0	35	4	60	1	57	5	33	5	37	5	57	2	36	4	58	2	54	4	38	4	33	5	61	2
Spain, Castile-La Mancha *	37	6	57	0					17	7	76	0	25	7	68	0	37	6	57	0	68	3	29	0	38	7	56	0	37	4	59	0	55	8	38	0	34	5	61	0
Spain, Catalonia	37	4	59	0	6	3	91	0	20	4	76	0	24	3	73	0	35	4	61	0	68	4	28	0	37	4	59	0	36	4	60	0	54	5	42	0	34	4	62	0
Spain, Community of Madrid	39	5	56	0	15	1	84	0	25	6	69	0	28	5	67	0	41	6	53	0	63	5	32	0	41	5	54	0	35	5	60	0	59	5	36	0	34	5	60	0
Spain, Extremadura	49	3	48	0	25	0	75	0	24	3	73	0	38	4	59	0	52	3	44	0	79	1	20	0	48	4	48	0	49	3	48	0	67	3	30	0	45	3	52	0
Spain, Galicia	43	7	50	0	7	3	90	0	25	6	70	0	29	7	64	0	45	8	47	0	74	6	19	0	44	7	49	0	42	8	50	0	64	7	29	0	39	7	54	0
Spain, La Rioja	34	6	60	0	0	0	0	0	22	2	76	0	18	6	77	0	39	5	56	0	61	8	30	0	34	6	60	0	35	5	60	0	68	2	30	0	30	6	64	0
Spain, Murcia	50	4	46	0	15	10	75	0	39	7	54	0	36	5	60	0	49	4	47	0	84	2	13	0	50	5	45	0	50	4	47	0	72	4	24	0	46	4	50	0
Spain, Navarre *	34	4	62	0					16	5	79	0	21	2	78	0	34	4	62	0	65	6	29	0	38	3	59	0	28	6	67	0	56	6	38	0	31	3	66	0
Spain, Valencian region	50	6	44	0	10	3	87	0	28	5	67	0	37	7	56	0	49	7	44	0	80	6	14	0	50	7	43	0	50	6	45	0	68	7	25	0	47	6	47	0
Sweden	32	9	60	0	5	8	87	0	18	5	77	0	24	6	71	0	34	10	56	0	59	16	26	0	32	9	59	0	32	7	61	0	46	11	43	0	29	8	63	0
Switzerland	42	4	54	0	5	7	87	1	22	4	74	0	29	3	67	0	43	4	52	0	74	5	21	0	44	4	52	0	40	4	56	0	58	4	37	0	39	4	57	0
the Netherlands	30	5	65	0	5	4	91	0	16	3	81	0	21	4	75	0	31	6	63	0	60	8	32	0	30	5	65	0	30	5	65	0	49	7	44	0	27	5	68	0
United Kingdom, England	38	6	57	0	12	10	78	0	23	5	72	0	30	4	65	0	43	6	51	0	71	9	20	0	38	5	56	0	37	6	57	0	56	7	37	0	34	5	61	0
United Kingdom, Northern Ireland	29	4	67	0	6	8	86	0	13	2	85	0	19	2	78	0	38	5	58	0	67	8	25	0	30	4	66	0	28	3	68	0	49	4	48	0	26	4	70	0
United Kingdom, Scotland	35	4	61	0	12	10	78	0	20	4	77	0	29	3	68	0	44	6	51	0	74	5	21	0	35	4	61	0	35	4	60	0	54	6	41	0	31	4	65	0
United Kingdom, Wales	39	6	55	0	7	13	80	0	24	6	70	0	32	4	64	0	44	7	49	0	68	7	25	0	39	6	55	0	38	6	55	0	56	7	37	0	35	6	59	0

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; Un: unknown; DM: diabetes mellitus
 Categories may not add up because of missing values or rounding off
 § 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%

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 §	394	100	50	12.7	33	8.4	0	0	83	21.1	311	78.9	0	0
Belgium, Dutch-speaking *	218	100	10	4.6	9	4.1	0	0	19	8.7	199	91.3	0	0
Belgium, French-speaking *	157	100	5	3.2	6	3.8	0	0	11	7.0	142	90.4	4	2.5
Bosnia and Herzegovina	18	100	8	44.4	5	27.8	1	5.6	14	77.8	4	22.2	0	0
Denmark	276	100	53	19.2	34	12.3	0	0	87	31.5	189	68.5	0	0
Estonia	42	100	3	7.1	0	0	0	0	3	7.1	39	92.9	0	0
Finland	307	100	14	4.6	9	2.9	0	0	23	7.5	265	86.3	19	6.2
France	3645	100	305	8.4	205	5.6	0	0	510	14.0	3133	86.0	2	0.1
Greece	192	100	56	29.2	13	6.8	0	0	69	35.9	123	64.1	0	0
Iceland	10	100	5	50.0	2	20.0	1	10.0	8	80.0	2	20.0	0	0
Montenegro *	3	100	3	100	0	0	0	0	3	100	0	0	0	0
Norway	262	100	49	18.7	19	7.3	2	0.8	70	26.7	192	73.3	0	0
Romania	208	100	16	7.7	1	0.5	71	34.1	88	42.3	117	56.3	3	1.4
Serbia □	17	100	3	17.6	1	5.9	4	23.5	8	47.1	9	52.9	0	0
Spain, Andalusia	582	100	15	2.6	21	3.6	0	0	36	6.2	546	93.8	0	0
Spain, Aragon	93	100	9	9.7	2	2.2	0	0	11	11.8	82	88.2	0	0
Spain, Asturias	88	100	2	2.3	0	0	0	0	2	2.3	86	97.7	0	0
Spain, Basque country	169	100	15	8.9	3	1.8	0	0	18	10.7	151	89.3	0	0
Spain, Canary Islands	117	100	0	0	0	0	2	1.7	2	1.7	115	98.3	0	0
Spain, Cantabria *	48	100	1	2.1	0	0	0	0	1	2.1	47	97.9	0	0
Spain, Castile and León *	164	100	0	0	2	1.2	13	7.9	15	9.1	149	90.9	0	0
Spain, Castile-La Mancha *	132	100	0	0	0	0	5	3.8	5	3.8	125	94.7	2	1.5
Spain, Catalonia	882	100	64	7.3	68	7.7	0	0	132	15.0	750	85.0	0	0
Spain, Community of Madrid	387	100	30	7.8	8	2.1	0	0	38	9.8	349	90.2	0	0
Spain, Extremadura	40	100	3	7.5	0	0	0	0	3	7.5	36	90.0	1	2.5
Spain, Galicia	176	100	33	18.8	3	1.7	0	0	36	20.5	140	79.5	0	0
Spain, La Rioja	21	100	0	0	0	0	2	9.5	2	9.5	19	90.5	0	0
Spain, Murcia	89	100	2	2.2	5	5.6	0	0	7	7.9	82	92.1	0	0
Spain, Navarre *	64	100	0	0	0	0	2	3.1	2	3.1	62	96.9	0	0
Spain, Valencian region	300	100	6	2.0	3	1.0	3	1.0	12	4.0	288	96.0	0	0
Sweden	466	100	80	17.2	66	14.2	0	0	146	31.3	320	68.7	0	0
Switzerland	321	100	49	15.3	55	17.1	0	0	104	32.4	217	67.6	0	0
the Netherlands ‡	913	100					483	52.9	483	52.9	429	47.0	1	0.1
United Kingdom, England #	3114	100	431	13.8	260	8.3			694	22.3	2044	65.6	376	12.1
United Kingdom, Northern Ireland #	113	100	30	26.5	35	31.0	0	0	65	57.5	47	41.6		
United Kingdom, Scotland	305	100	53	17.4	25	8.2	16	5.2	94	30.8	211	69.2	0	0
United Kingdom, Wales #	107	100	13	12.1	20	18.7	0	0	33	30.8	74	69.2	0	0

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

§ Data based on residents and non-residents

* Patients younger than 20 years of age are not reported

|| The transplant activity is underestimated by approximately 30%

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

‡ The transplant activity is underestimated by approximately 2%

Values based on 1 to 5 patients are suppressed

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

	All	Living donor			Deceased donor	Donor type Unkn	
	Pmp	Related	Unrelated	Type Unkn	All	Pmp	
		Pmp	Pmp	Pmp	Pmp		
Austria §	41.8	5.1	3.2	0	8.2	33.5	0
Belgium, Dutch-speaking *	32.9	1.5	1.4	0	2.9	30.1	0
Belgium, French-speaking *	32.2	1.0	1.2	0	2.3	29.1	0.8
Bosnia and Herzegovina	5.1	2.3	1.4	0.3	4.0	1.1	0
Denmark	47.0	9.0	5.8	0	14.8	32.2	0
Estonia	31.7	2.3	0	0	2.3	29.4	0
Finland	55.6	2.5	1.6	0	4.2	48.0	3.4
France	54.2	4.5	3.0	0	7.6	46.6	0
Greece	17.9	5.2	1.2	0	6.4	11.5	0
Iceland	27.7	13.9	5.5	2.8	22.2	5.5	0
Montenegro *	4.8	4.8	0	0	4.8	0	0
Norway	49.0	9.2	3.6	0.4	13.1	35.9	0
Romania	10.9	0.8	0.1	3.7	4.6	6.1	0.2
Serbia ☐	2.7	0.5	0.2	0.6	1.3	1.4	0
Spain, Andalusia	68.9	1.8	2.5	0	4.3	64.6	0
Spain, Aragon	70.2	6.8	1.5	0	8.3	61.9	0
Spain, Asturias	86.2	2.0	0	0	2.0	84.3	0
Spain, Basque country	77.4	6.9	1.4	0	8.2	69.2	0
Spain, Canary Islands	52.7	0	0	0.9	0.9	51.8	0
Spain, Cantabria *	82.5	1.7	0	0	1.7	80.8	0
Spain, Castile and León *	68.3	0	0.8	5.4	6.3	62.1	0
Spain, Castile-La Mancha *	64.7	0	0	2.5	2.5	61.3	1.0
Spain, Catalonia	114.9	8.3	8.9	0	17.2	97.7	0
Spain, Community of Madrid	58.1	4.5	1.2	0	5.7	52.4	0
Spain, Extremadura	37.5	2.8	0	0	2.8	33.7	0.9
Spain, Galicia	65.1	12.2	1.1	0	13.3	51.8	0
Spain, La Rioja	66.7	0	0	6.4	6.4	60.4	0
Spain, Murcia	59.6	1.3	3.3	0	4.7	54.9	0
Spain, Navarre *	98.0	0	0	3.1	3.1	94.9	0
Spain, Valencian region	60.0	1.2	0.6	0.6	2.4	57.6	0
Sweden	45.3	7.8	6.4	0	14.2	31.1	0
Switzerland	37.4	5.7	6.4	0	12.1	25.3	0
the Netherlands	53.7			28.4	28.4	25.2	0.1
United Kingdom, England #	55.3	7.7	4.6		12.3	36.3	6.7
United Kingdom, Northern Ireland #	59.7	15.8	18.5	0	34.3	24.8	
United Kingdom, Scotland	55.8	9.7	4.6	2.9	17.2	38.6	0
United Kingdom, Wales #	33.9	4.1	6.3	0	10.5	23.5	0

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

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

* Patients younger than 20 years of age are not reported

|| The transplant activity is underestimated by approximately 30%

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

Values based on 1 to 5 patients are suppressed

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

	All						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	51.5	15.7	54.4	42.3	62.6	66.8	52.3	15.4	54.7	42.6	63.1	33.2	49.9	16.3	53.5	39.2	61.9
Belgium, Dutch-speaking *	100	55.1	11.8	56.4	46.0	65.0	63.3	56.5	11.8	58.3	48.4	66.1	36.7	52.7	11.5	52.7	44.1	61.8
Belgium, French-speaking *	100	51.5	12.5	51.9	43.1	62.4	62.4	51.8	12.5	51.4	43.5	62.7	37.6	51.2	12.7	53.1	39.5	60.8
Bosnia and Herzegovina	100	40.8	13.4	39.7	32.3	52.2	77.8	43.7	13.1	44.7	33.1	55.0	22.2	30.8	10.0	32.6	22.7	39.0
Denmark	100	50.3	15.3	52.4	42.5	61.5	60.1	49.9	15.3	52.0	42.1	60.8	39.9	50.8	15.3	53.6	43.7	61.9
Estonia	100	49.6	18.9	53.6	34.4	58.9	85.7	51.1	18.2	54.7	37.8	59.1	14.3	40.6	21.9	37.2	24.1	55.4
Finland	100	52.1	14.9	53.8	43.4	64.1	61.2	51.5	15.4	53.6	42.5	64.0	38.8	53.2	13.9	54.1	44.3	64.6
France	100	53.6	16.0	55.6	42.9	66.3	62.8	54.4	16.1	56.2	44.1	67.2	37.2	52.4	15.8	54.7	41.3	64.7
Greece	100	47.6	12.3	47.9	40.1	55.8	63.0	48.0	13.4	48.4	38.2	57.3	37.0	47.0	10.3	46.5	40.4	53.7
Iceland	100	51.7	12.6	47.3	45.5	65.2	80.0	52.7	14.0	47.1	44.6	67.3	20.0	47.3	0.4	47.3	47.0	47.6
Montenegro *	100	48.9	15.8	44.7	35.6	66.4	66.7	55.6	15.3	55.6	44.7	66.4	33.3	35.6	0	35.6	35.6	35.6
Norway	100	52.6	16.6	53.6	42.4	66.5	69.5	54.6	16.4	56.8	44.7	68.0	30.5	47.8	16.0	50.2	37.8	58.5
Romania	100	42.1	13.9	43.0	33.3	52.0	60.6	42.1	14.4	42.8	33.5	52.1	39.4	42.1	13.3	43.4	33.1	51.9
Serbia	100	35.2	16.2	41.3	21.3	47.8	82.4	33.9	15.7	41.0	21.3	46.2	17.6	41.3	20.9	51.3	17.3	55.2
Spain, Andalusia	100	53.8	15.1	56.0	45.4	65.1	62.7	54.9	14.5	57.0	46.4	65.3	37.3	52.0	15.8	53.9	43.4	63.5
Spain, Aragon	100	55.7	15.8	55.3	46.7	69.7	72.0	55.9	14.7	54.8	46.7	69.7	28.0	55.2	18.6	56.1	43.4	70.6
Spain, Asturias	100	59.2	13.9	61.5	49.0	69.2	70.5	58.7	13.5	60.8	48.4	68.6	29.5	60.4	15.0	63.7	49.6	72.0
Spain, Basque country	100	56.6	15.9	59.1	47.3	68.7	64.5	57.3	15.3	60.0	48.7	68.1	35.5	55.4	17.2	59.0	43.4	69.4
Spain, Canary Islands	100	55.6	12.4	56.2	47.6	64.9	67.5	54.8	12.6	56.1	46.6	64.0	32.5	57.4	11.9	57.0	47.9	65.6
Spain, Cantabria *	100	55.5	12.9	57.7	44.5	66.0	72.9	56.3	12.2	57.8	46.4	66.1	27.1	53.5	14.8	57.5	44.3	65.5
Spain, Castile and León *	100	58.3	12.9	59.0	48.0	68.7	69.5	59.6	12.8	60.6	49.4	70.3	30.5	55.4	12.8	55.8	46.0	65.3
Spain, Castile-La Mancha *	100	55.2	13.5	56.6	49.2	65.4	62.9	55.3	13.7	57.0	49.1	65.7	37.1	55.1	13.3	55.9	49.2	61.8
Spain, Catalonia	100	57.2	15.8	59.4	47.4	69.7	66.1	57.6	15.7	60.0	47.9	69.8	33.9	56.3	16.1	57.7	47.2	69.7
Spain, Community of Madrid	100	56.0	15.6	58.7	45.2	68.4	60.2	56.4	16.2	59.4	45.8	69.8	39.8	55.4	14.7	56.7	44.9	65.8
Spain, Extremadura	100	53.5	12.7	54.1	45.6	64.6	62.5	54.9	11.9	55.6	46.8	63.9	37.5	51.3	14.1	52.1	43.4	66.6
Spain, Galicia	100	55.5	13.2	56.4	47.0	65.3	65.9	56.3	13.3	57.8	48.4	65.5	34.1	54.0	12.9	53.8	45.2	64.5
Spain, La Rioja	100	58.7	13.0	60.0	50.3	68.7	57.1	62.0	11.6	63.3	53.6	70.4	42.9	54.4	14.2	52.9	49.7	60.0
Spain, Murcia	100	53.3	13.1	54.5	45.6	62.3	59.6	55.2	11.7	55.0	47.8	63.7	40.4	50.5	14.6	52.5	44.7	58.6
Spain, Navarre *	100	58.7	12.5	59.5	50.6	68.1	65.6	58.3	12.7	60.5	50.5	67.9	34.4	59.7	12.4	57.9	51.9	72.9
Spain, Valencian region	100	56.3	14.6	58.6	49.2	66.8	67.3	56.3	14.9	58.6	49.2	67.3	32.7	56.3	14.1	58.4	48.5	66.5
Sweden	100	51.9	15.0	53.2	40.6	64.7	67.4	52.8	14.8	54.7	41.7	65.5	32.6	49.9	15.1	51.8	38.9	61.9
Switzerland	100	52.8	15.6	55.5	44.5	64.2	61.7	52.3	16.1	54.7	44.5	64.3	38.3	53.5	14.7	57.7	44.3	64.1
the Netherlands	100	55.1	14.9	57.2	46.6	66.4	59.7	55.3	15.3	57.5	46.5	67.4	40.3	54.9	14.3	57.0	46.7	66.0
United Kingdom, England	100	50.4	15.6	52.8	40.4	61.9	61.7	50.9	15.8	53.7	41.0	62.7	38.3	49.5	15.2	51.8	39.7	60.9
United Kingdom, Northern Ireland	100	49.6	15.4	50.2	40.0	60.5	62.0	49.1	15.8	49.1	40.3	60.2	38.1	50.4	14.9	53.5	39.0	61.8
United Kingdom, Scotland	100	49.8	15.2	52.5	38.1	61.1	56.1	49.7	15.7	52.5	37.9	61.1	43.9	50.0	14.7	52.7	39.2	61.3
United Kingdom, Wales	100	47.8	14.2	46.3	38.4	58.0	58.9	49.3	14.2	48.9	40.0	58.0	41.1	45.7	14.0	44.0	37.9	55.7

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 RRT patients, from day 1, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)						
	cohort 2010 - 2014				cohort 2013 - 2017		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.0 (98.4-99.4)	97.7 (96.9-98.4)	96.2 (95.1-97.1)	94.8 (93.6-95.8)	99.6 (99.1-99.8)	98.3 (97.5-98.8)	97.5 (96.6-98.2)
20-44	99.1 (99.0-99.3)	97.2 (97.0-97.4)	95.0 (94.6-95.3)	89.7 (89.2-90.1)	99.2 (99.1-99.4)	97.3 (97.1-97.5)	95.3 (95.0-95.6)
45-64	97.3 (97.2-97.5)	91.4 (91.1-91.6)	85.3 (85.0-85.6)	69.5 (69.1-69.9)	97.5 (97.4-97.6)	92.1 (91.8-92.3)	86.5 (86.2-86.7)
65-74	94.5 (94.3-94.7)	83.7 (83.3-84.0)	72.7 (72.3-73.1)	46.2 (45.7-46.7)	95.0 (94.8-95.2)	85.0 (84.6-85.3)	74.7 (74.3-75.1)
75+	90.5 (90.3-90.7)	73.9 (73.6-74.3)	58.1 (57.7-58.5)	25.3 (24.9-25.7)	91.3 (91.1-91.6)	75.7 (75.4-76.1)	60.3 (59.9-60.7)
Men	94.6 (94.5-94.8)	84.5 (84.2-84.7)	74.2 (73.9-74.5)	51.0 (50.7-51.4)	95.1 (95.0-95.2)	85.4 (85.2-85.6)	75.5 (75.3-75.8)
Women	94.6 (94.4-94.8)	84.7 (84.4-84.9)	75.1 (74.8-75.5)	53.4 (53.0-53.8)	95.1 (94.9-95.2)	85.9 (85.6-86.2)	76.8 (76.4-77.1)
Diabetes	95.5 (95.3-95.7)	85.6 (85.2-85.9)	73.8 (73.4-74.3)	45.2 (44.7-45.7)	96.0 (95.8-96.1)	86.4 (86.1-86.7)	75.3 (74.9-75.8)
Hypertension / renal vascular disease	94.2 (94.0-94.5)	82.8 (82.4-83.2)	70.6 (70.1-71.1)	42.8 (42.3-43.4)	94.7 (94.4-94.9)	83.9 (83.5-84.3)	72.2 (71.7-72.7)
Glomerulonephritis	97.4 (97.2-97.6)	92.2 (91.8-92.6)	86.9 (86.4-87.4)	73.3 (72.7-73.9)	97.7 (97.5-97.9)	92.9 (92.6-93.3)	87.9 (87.4-88.3)
Other causes	93.9 (93.7-94.1)	83.1 (82.9-83.4)	73.8 (73.5-74.1)	53.8 (53.5-54.2)	94.3 (94.1-94.4)	84.1 (83.8-84.3)	74.8 (74.5-75.1)
All	94.6 (94.5-94.7)	84.5 (84.4-84.7)	74.5 (74.3-74.8)	51.9 (51.6-52.1)	95.1 (95.0-95.2)	85.6 (85.4-85.7)	76.0 (75.8-76.2)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 RRT patients, from day 1, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)						
	cohort 2010 - 2014				cohort 2013 - 2017		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.0 (98.4-99.5)	97.6 (96.8-98.4)	96.0 (95.0-97.0)	94.5 (93.3-95.7)	99.6 (99.2-99.9)	98.2 (97.5-98.9)	97.5 (96.7-98.3)
20-44	99.1 (99.0-99.3)	97.1 (96.9-97.4)	94.8 (94.5-95.1)	89.1 (88.7-89.6)	99.3 (99.1-99.4)	97.2 (97.0-97.5)	95.1 (94.8-95.4)
45-64	97.4 (97.3-97.6)	91.6 (91.4-91.9)	85.6 (85.3-85.9)	69.7 (69.3-70.1)	97.6 (97.5-97.7)	92.2 (92.0-92.4)	86.5 (86.2-86.8)
65-74	94.8 (94.6-95.0)	84.4 (84.1-84.8)	73.7 (73.2-74.1)	47.3 (46.8-47.8)	95.3 (95.1-95.5)	85.5 (85.2-85.8)	75.4 (75.0-75.8)
75+	90.8 (90.6-91.1)	74.6 (74.2-75.0)	58.9 (58.5-59.4)	26.0 (25.6-26.4)	91.6 (91.4-91.9)	76.3 (76.0-76.7)	61.0 (60.6-61.4)
Men	95.8 (95.7-95.9)	87.1 (86.9-87.3)	77.7 (77.5-78.0)	52.8 (52.5-53.2)	96.1 (96.0-96.2)	87.9 (87.7-88.0)	78.8 (78.6-79.1)
Women	95.8 (95.7-95.9)	87.6 (87.3-87.8)	79.0 (78.7-79.3)	56.1 (55.6-56.5)	96.1 (96.0-96.2)	88.4 (88.1-88.6)	80.1 (79.8-80.4)
Diabetes	96.1 (95.9-96.3)	87.2 (86.9-87.5)	76.1 (75.7-76.5)	46.3 (45.8-46.8)	96.5 (96.4-96.7)	88.1 (87.8-88.4)	77.8 (77.4-78.2)
Hypertension / renal vascular disease	96.5 (96.3-96.6)	89.0 (88.7-89.3)	80.3 (79.9-80.7)	55.6 (55.0-56.1)	96.7 (96.5-96.8)	89.6 (89.3-89.9)	81.2 (80.8-81.6)
Glomerulonephritis	97.0 (96.7-97.3)	90.7 (90.3-91.2)	84.1 (83.5-84.7)	65.8 (65.0-66.6)	97.4 (97.1-97.6)	91.8 (91.4-92.2)	85.7 (85.1-86.2)
Other causes	94.9 (94.7-95.0)	85.3 (85.1-85.6)	76.3 (76.0-76.6)	54.1 (53.7-54.5)	95.2 (95.1-95.3)	86.1 (85.9-86.4)	77.3 (77.0-77.6)
All	95.8 (95.7-95.9)	87.3 (87.2-87.5)	78.2 (78.0-78.4)	54.1 (53.8-54.3)	96.1 (96.0-96.2)	88.1 (87.9-88.2)	79.3 (79.1-79.5)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 RRT patients, from day 91, unadjusted
by age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	98.2 (97.4-98.8)	97.0 (96.0-97.8)	95.7 (94.5-96.6)	98.5 (97.8-99.0)	97.8 (96.9-98.4)
20-44	97.4 (97.2-97.7)	95.3 (95.0-95.6)	90.1 (89.6-90.5)	97.4 (97.2-97.6)	95.6 (95.3-95.9)
45-64	92.4 (92.2-92.6)	86.2 (85.9-86.5)	70.3 (69.9-70.7)	93.1 (92.8-93.3)	87.4 (87.1-87.7)
65-74	85.6 (85.3-86.0)	74.2 (73.8-74.7)	47.3 (46.8-47.8)	86.8 (86.5-87.1)	76.1 (75.7-76.5)
75+	77.3 (76.9-77.6)	60.4 (60.0-60.9)	26.2 (25.8-26.6)	78.9 (78.5-79.2)	62.5 (62.1-62.9)
Men	86.5 (86.3-86.7)	76.0 (75.7-76.3)	52.5 (52.2-52.8)	87.3 (87.1-87.5)	77.1 (76.9-77.4)
Women	87.1 (86.8-87.3)	77.2 (76.9-77.6)	55.2 (54.7-55.6)	88.1 (87.8-88.3)	78.8 (78.5-79.1)
Diabetes	86.5 (86.1-86.8)	74.4 (74.0-74.9)	45.6 (45.1-46.1)	87.2 (86.9-87.5)	75.9 (75.4-76.3)
Hypertension / renal vascular disease	84.6 (84.2-85.0)	72.2 (71.7-72.7)	43.9 (43.3-44.4)	85.7 (85.3-86.1)	73.7 (73.2-74.2)
Glomerulonephritis	93.3 (93.0-93.7)	87.8 (87.3-88.3)	74.3 (73.7-75.0)	93.9 (93.6-94.2)	88.8 (88.3-89.2)
Other causes	86.1 (85.8-86.3)	76.5 (76.1-76.8)	56.2 (55.8-56.5)	86.8 (86.6-87.1)	77.3 (77.0-77.6)
All	86.7 (86.5-86.9)	76.4 (76.2-76.7)	53.5 (53.2-53.7)	87.6 (87.4-87.7)	77.7 (77.5-77.9)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 RRT patients, from day 91, adjusted
adjusted for age, sex, and primary renal disease

	Survival probabilities as % (95% CI)				
	cohort 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	98.1 (97.4-98.8)	96.8 (95.9-97.7)	95.3 (94.2-96.4)	98.5 (97.8-99.1)	97.7 (97.0-98.5)
20-44	97.3 (97.1-97.6)	95.1 (94.8-95.5)	89.5 (89.0-89.9)	97.3 (97.1-97.5)	95.4 (95.0-95.7)
45-64	92.6 (92.3-92.8)	86.4 (86.1-86.7)	70.4 (70.0-70.8)	93.1 (92.9-93.3)	87.4 (87.1-87.7)
65-74	86.2 (85.9-86.6)	75.2 (74.8-75.6)	48.4 (47.9-48.9)	87.2 (86.9-87.5)	76.8 (76.4-77.2)
75+	77.8 (77.5-78.2)	61.3 (60.8-61.7)	27.0 (26.5-27.4)	79.3 (79.0-79.7)	63.1 (62.7-63.6)
Men	88.6 (88.4-88.8)	78.9 (78.7-79.2)	53.6 (53.3-54.0)	89.2 (89.1-89.4)	79.9 (79.7-80.2)
Women	89.3 (89.1-89.6)	80.4 (80.1-80.8)	57.1 (56.7-57.5)	90.0 (89.8-90.2)	81.6 (81.3-81.9)
Diabetes	87.9 (87.6-88.2)	76.4 (76.0-76.9)	46.2 (45.7-46.7)	88.7 (88.4-88.9)	78.1 (77.7-78.5)
Hypertension / renal vascular disease	90.1 (89.9-90.4)	81.2 (80.9-81.6)	56.1 (55.5-56.6)	90.7 (90.4-91.0)	82.1 (81.7-82.5)
Glomerulonephritis	91.9 (91.5-92.3)	84.9 (84.3-85.4)	66.6 (65.8-67.4)	92.8 (92.4-93.2)	86.5 (86.0-87.0)
Other causes	87.7 (87.4-87.9)	78.3 (78.0-78.6)	55.6 (55.2-56.0)	88.4 (88.1-88.6)	79.3 (79.0-79.6)
All	88.9 (88.7-89.0)	79.5 (79.3-79.7)	54.9 (54.6-55.2)	89.5 (89.4-89.7)	80.6 (80.3-80.8)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 2010 - 2014				cohort 2013 - 2017		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	98.9 (98.1-99.4)	97.3 (96.1-98.2)	93.7 (91.4-95.3)	89.5 (85.5-92.5)	99.6 (99.0-99.8)	97.5 (96.3-98.3)	95.7 (93.8-97.0)
20-44	99.0 (98.9-99.2)	96.7 (96.3-96.9)	93.3 (92.8-93.7)	81.4 (80.4-82.3)	99.2 (99.0-99.3)	96.8 (96.4-97.0)	93.6 (93.2-94.0)
45-64	97.2 (97.0-97.3)	90.5 (90.3-90.8)	83.2 (82.8-83.5)	59.9 (59.3-60.4)	97.4 (97.2-97.5)	91.3 (91.0-91.5)	84.4 (84.0-84.7)
65-74	94.3 (94.1-94.6)	83.2 (82.8-83.5)	71.5 (71.0-71.9)	41.6 (41.1-42.1)	94.9 (94.7-95.1)	84.4 (84.1-84.8)	73.4 (73.0-73.8)
75+	90.5 (90.2-90.7)	73.8 (73.4-74.2)	57.9 (57.5-58.3)	24.8 (24.4-25.2)	91.3 (91.1-91.5)	75.6 (75.3-76.0)	60.0 (59.6-60.4)
Men	94.4 (94.2-94.5)	83.4 (83.2-83.6)	71.7 (71.4-72.0)	41.3 (41.0-41.7)	94.8 (94.7-95.0)	84.3 (84.1-84.6)	72.9 (72.7-73.2)
Women	94.3 (94.1-94.5)	83.5 (83.2-83.8)	72.5 (72.1-72.9)	44.1 (43.6-44.5)	94.8 (94.6-94.9)	84.8 (84.5-85.1)	74.3 (73.9-74.6)
Diabetes	95.4 (95.2-95.6)	85.1 (84.7-85.5)	72.5 (72.1-73.0)	39.5 (38.9-40.0)	95.9 (95.7-96.1)	86.0 (85.7-86.4)	74.2 (73.7-74.6)
Hypertension / renal vascular disease	94.1 (93.8-94.4)	82.3 (81.9-82.8)	69.3 (68.7-69.8)	37.3 (36.7-37.9)	94.6 (94.3-94.8)	83.5 (83.1-83.9)	71.0 (70.5-71.5)
Glomerulonephritis	97.2 (96.9-97.4)	91.2 (90.8-91.7)	84.2 (83.6-84.8)	60.8 (59.9-61.8)	97.5 (97.3-97.7)	92.0 (91.6-92.4)	85.4 (84.8-85.9)
Other causes	93.5 (93.3-93.7)	81.7 (81.4-82.0)	70.6 (70.3-71.0)	43.2 (42.8-43.7)	93.9 (93.7-94.1)	82.6 (82.3-82.9)	71.5 (71.1-71.8)
All	94.3 (94.2-94.5)	83.5 (83.3-83.6)	72.0 (71.8-72.2)	42.3 (42.1-42.6)	94.8 (94.7-94.9)	84.5 (84.3-84.7)	73.4 (73.2-73.6)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 2010 - 2014				cohort 2013 - 2017		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	98.9 (98.2-99.5)	97.2 (96.1-98.3)	93.5 (91.5-95.5)	89.1 (85.5-92.8)	99.6 (99.2-99.9)	97.4 (96.4-98.5)	95.5 (93.9-97.1)
20-44	99.1 (98.9-99.2)	96.6 (96.3-97.0)	93.2 (92.8-93.7)	81.0 (80.0-81.9)	99.2 (99.0-99.3)	96.7 (96.4-97.0)	93.5 (93.1-94.0)
45-64	97.3 (97.1-97.4)	90.8 (90.5-91.1)	83.6 (83.2-83.9)	60.5 (59.9-61.1)	97.4 (97.3-97.6)	91.4 (91.2-91.7)	84.5 (84.2-84.9)
65-74	94.6 (94.4-94.8)	83.8 (83.4-84.2)	72.3 (71.9-72.8)	42.6 (42.1-43.2)	95.1 (95.0-95.3)	84.9 (84.6-85.3)	74.0 (73.6-74.5)
75+	90.7 (90.5-91.0)	74.4 (74.0-74.7)	58.5 (58.1-59.0)	25.3 (24.9-25.7)	91.6 (91.3-91.8)	76.1 (75.8-76.5)	60.6 (60.2-61.0)
Men	95.2 (95.1-95.4)	85.6 (85.4-85.8)	75.0 (74.7-75.3)	46.1 (45.7-46.4)	95.7 (95.6-95.8)	86.7 (86.5-86.9)	76.6 (76.3-76.8)
Women	95.3 (95.1-95.4)	86.0 (85.7-86.3)	76.2 (75.8-76.6)	49.5 (49.1-50.0)	95.7 (95.5-95.9)	87.2 (86.9-87.5)	78.0 (77.6-78.3)
Diabetes	95.8 (95.6-96.0)	86.2 (85.9-86.6)	74.3 (73.9-74.8)	41.8 (41.3-42.4)	96.3 (96.2-96.5)	87.4 (87.1-87.7)	76.4 (76.0-76.8)
Hypertension / renal vascular disease	95.9 (95.7-96.1)	87.3 (87.0-87.7)	77.3 (76.9-77.7)	49.1 (48.5-49.8)	96.3 (96.1-96.5)	88.4 (88.1-88.7)	79.0 (78.6-79.4)
Glomerulonephritis	96.8 (96.5-97.1)	90.0 (89.5-90.5)	82.2 (81.6-82.9)	58.0 (57.0-59.0)	97.2 (96.9-97.4)	91.0 (90.6-91.5)	84.0 (83.4-84.6)
Other causes	94.2 (94.1-94.4)	83.5 (83.3-83.8)	73.3 (73.0-73.7)	47.0 (46.6-47.5)	94.7 (94.6-94.9)	84.7 (84.5-85.0)	74.8 (74.4-75.1)
All	95.3 (95.2-95.4)	85.7 (85.6-85.9)	75.5 (75.2-75.7)	47.4 (47.1-47.7)	95.7 (95.6-95.8)	86.9 (86.7-87.1)	77.1 (76.9-77.3)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	97.4 (96.0-98.4)	94.4 (92.1-96.0)	90.4 (86.3-93.4)	97.6 (96.3-98.4)	96.1 (94.2-97.3)
20-44	96.7 (96.4-97.0)	93.4 (92.9-93.8)	80.9 (79.9-81.8)	96.7 (96.3-97.0)	93.6 (93.1-94.0)
45-64	91.4 (91.2-91.7)	83.8 (83.4-84.1)	59.7 (59.1-60.3)	92.1 (91.9-92.4)	85.0 (84.6-85.3)
65-74	85.1 (84.7-85.4)	72.8 (72.4-73.3)	42.2 (41.6-42.7)	86.2 (85.8-86.5)	74.6 (74.2-75.1)
75+	77.2 (76.8-77.5)	60.2 (59.8-60.6)	25.7 (25.3-26.1)	78.8 (78.4-79.1)	62.2 (61.8-62.6)
Men	85.3 (85.1-85.5)	73.0 (72.7-73.3)	41.8 (41.4-42.2)	86.1 (85.9-86.3)	74.1 (73.9-74.4)
Women	85.8 (85.5-86.1)	74.2 (73.8-74.6)	44.9 (44.4-45.4)	86.9 (86.6-87.2)	75.9 (75.5-76.3)
Diabetes	85.9 (85.6-86.3)	72.8 (72.4-73.3)	39.2 (38.7-39.8)	86.7 (86.4-87.0)	74.4 (74.0-74.9)
Hypertension / renal vascular disease	84.1 (83.6-84.5)	70.6 (70.1-71.2)	37.6 (37.0-38.2)	85.2 (84.7-85.6)	72.2 (71.7-72.8)
Glomerulonephritis	92.1 (91.7-92.6)	84.6 (84.0-85.2)	60.8 (59.8-61.8)	92.8 (92.4-93.2)	85.8 (85.2-86.4)
Other causes	84.5 (84.2-84.8)	72.9 (72.5-73.2)	44.4 (43.9-44.8)	85.3 (85.0-85.5)	73.5 (73.2-73.9)
All	85.5 (85.3-85.7)	73.5 (73.2-73.7)	42.9 (42.6-43.2)	86.4 (86.2-86.6)	74.8 (74.5-75.0)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	97.4 (96.3-98.6)	94.2 (92.2-96.2)	89.9 (86.3-93.7)	97.5 (96.4-98.6)	95.9 (94.3-97.5)
20-44	96.7 (96.4-97.0)	93.3 (92.8-93.7)	80.4 (79.4-81.4)	96.6 (96.3-96.9)	93.5 (93.0-93.9)
45-64	91.7 (91.4-91.9)	84.1 (83.7-84.5)	60.3 (59.8-60.9)	92.2 (92.0-92.5)	85.1 (84.8-85.5)
65-74	85.6 (85.2-85.9)	73.7 (73.2-74.1)	43.2 (42.7-43.8)	86.6 (86.2-86.9)	75.2 (74.8-75.7)
75+	77.6 (77.2-78.0)	60.8 (60.3-61.2)	26.1 (25.7-26.6)	79.1 (78.8-79.5)	62.7 (62.3-63.1)
Men	87.1 (86.9-87.3)	76.0 (75.7-76.3)	46.2 (45.8-46.6)	88.0 (87.8-88.2)	77.4 (77.1-77.7)
Women	87.8 (87.5-88.1)	77.5 (77.2-77.9)	50.0 (49.5-50.5)	88.8 (88.6-89.1)	79.2 (78.9-79.6)
Diabetes	86.9 (86.5-87.2)	74.5 (74.0-74.9)	41.3 (40.8-41.9)	87.9 (87.6-88.2)	76.5 (76.0-76.9)
Hypertension / renal vascular disease	88.5 (88.1-88.8)	78.1 (77.7-78.6)	49.0 (48.4-49.7)	89.4 (89.1-89.7)	79.7 (79.2-80.1)
Glomerulonephritis	91.0 (90.5-91.5)	82.7 (82.1-83.4)	58.1 (57.1-59.2)	92.0 (91.6-92.5)	84.5 (83.9-85.2)
Other causes	86.0 (85.7-86.2)	75.2 (74.8-75.5)	47.9 (47.4-48.3)	87.0 (86.7-87.2)	76.5 (76.1-76.8)
All	87.4 (87.2-87.5)	76.6 (76.3-76.8)	47.7 (47.3-48.0)	88.3 (88.2-88.5)	78.1 (77.9-78.3)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	98.1 (96.9-98.9)	97.4 (96.0-98.4)	96.8 (95.2-97.8)	99.0 (98.1-99.5)	98.7 (97.6-99.3)
20-44	98.8 (98.5-99.0)	98.1 (97.8-98.3)	96.3 (95.9-96.7)	98.8 (98.6-99.0)	98.3 (98.0-98.6)
45-64	96.6 (96.4-96.9)	94.7 (94.4-95.0)	88.2 (87.7-88.7)	96.9 (96.6-97.1)	95.3 (95.0-95.6)
65+	92.3 (91.8-92.9)	88.0 (87.3-88.7)	72.2 (71.3-73.2)	92.7 (92.2-93.2)	88.2 (87.6-88.8)
Men	96.0 (95.8-96.3)	93.7 (93.4-94.0)	85.6 (85.2-86.1)	96.3 (96.1-96.5)	94.0 (93.7-94.3)
Women	96.4 (96.1-96.7)	94.6 (94.2-95.0)	88.3 (87.7-88.8)	96.3 (95.9-96.6)	94.6 (94.2-95.0)
Diabetes	94.3 (93.7-94.9)	91.1 (90.3-91.8)	79.8 (78.8-80.8)	94.4 (93.9-95.0)	91.2 (90.5-91.9)
Hypertension / renal vascular disease	94.7 (94.0-95.3)	91.4 (90.5-92.2)	81.8 (80.6-82.9)	95.5 (94.9-96.0)	92.1 (91.3-92.9)
Glomerulonephritis	97.5 (97.1-97.8)	96.1 (95.6-96.5)	90.5 (89.8-91.2)	97.6 (97.2-97.9)	96.2 (95.7-96.6)
Other causes	96.6 (96.4-96.9)	94.8 (94.5-95.1)	88.4 (88.0-88.9)	96.6 (96.3-96.8)	95.0 (94.6-95.3)
All	96.2 (96.0-96.4)	94.0 (93.8-94.3)	86.6 (86.3-87.0)	96.3 (96.1-96.5)	94.2 (94.0-94.5)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	97.9 (96.8-99.0)	97.2 (95.9-98.4)	96.4 (95.0-97.8)	99.0 (98.2-99.7)	98.6 (97.7-99.4)
20-44	98.8 (98.6-99.0)	98.1 (97.9-98.4)	96.4 (96.0-96.8)	98.8 (98.6-99.1)	98.3 (98.1-98.6)
45-64	96.8 (96.6-97.1)	95.0 (94.7-95.3)	88.9 (88.4-89.3)	97.1 (96.8-97.3)	95.5 (95.3-95.8)
65+	93.1 (92.6-93.6)	89.1 (88.4-89.7)	74.3 (73.4-75.2)	93.2 (92.8-93.7)	89.1 (88.5-89.7)
Men	97.9 (97.8-98.1)	96.6 (96.4-96.8)	92.0 (91.6-92.3)	98.1 (97.9-98.2)	96.9 (96.7-97.1)
Women	98.0 (97.8-98.2)	96.9 (96.6-97.1)	92.9 (92.6-93.3)	97.9 (97.7-98.1)	96.9 (96.7-97.2)
Diabetes	96.8 (96.5-97.2)	94.9 (94.4-95.3)	87.7 (87.0-88.5)	97.0 (96.7-97.3)	95.2 (94.8-95.6)
Hypertension / renal vascular disease	97.7 (97.4-98.0)	96.1 (95.7-96.6)	91.4 (90.8-92.1)	98.1 (97.8-98.4)	96.6 (96.2-97.0)
Glomerulonephritis	98.4 (98.2-98.7)	97.5 (97.2-97.8)	93.8 (93.3-94.2)	98.5 (98.2-98.7)	97.6 (97.3-97.8)
Other causes	98.0 (97.8-98.1)	96.8 (96.6-97.0)	92.7 (92.3-93.0)	98.0 (97.8-98.1)	97.0 (96.8-97.2)
All	98.0 (97.8-98.1)	96.7 (96.6-96.9)	92.3 (92.0-92.6)	98.0 (97.9-98.2)	96.9 (96.7-97.1)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	99.6 (98.5-99.9)	99.6 (98.5-99.9)	99.0 (97.7-99.6)	99.3 (98.2-99.7)	98.8 (97.5-99.4)
20-44	99.7 (99.5-99.9)	99.4 (99.1-99.6)	97.7 (97.2-98.1)	99.6 (99.3-99.7)	99.4 (99.1-99.6)
45-64	98.9 (98.5-99.1)	97.8 (97.4-98.2)	93.8 (93.1-94.4)	98.8 (98.4-99.0)	97.9 (97.5-98.3)
65+	97.0 (95.9-97.8)	94.0 (92.6-95.2)	82.1 (79.8-84.2)	97.0 (96.0-97.7)	94.6 (93.4-95.6)
Men	99.0 (98.7-99.2)	98.1 (97.7-98.4)	94.2 (93.6-94.7)	98.7 (98.4-98.9)	97.9 (97.6-98.2)
Women	99.2 (98.9-99.4)	98.3 (97.8-98.6)	94.6 (93.9-95.3)	99.2 (98.9-99.4)	98.3 (97.9-98.7)
Diabetes	97.6 (96.4-98.4)	95.9 (94.4-97.0)	85.3 (82.9-87.5)	97.7 (96.6-98.5)	95.9 (94.4-97.0)
Hypertension / renal vascular disease	98.4 (97.3-99.0)	96.9 (95.6-97.8)	89.9 (87.8-91.7)	98.3 (97.3-98.9)	96.6 (95.3-97.5)
Glomerulonephritis	99.3 (98.9-99.6)	98.6 (98.1-99.0)	96.3 (95.6-96.9)	98.9 (98.4-99.2)	98.4 (97.8-98.7)
Other causes	99.3 (99.0-99.5)	98.5 (98.2-98.8)	95.6 (95.0-96.1)	99.1 (98.9-99.3)	98.5 (98.1-98.7)
All	99.1 (98.9-99.2)	98.1 (97.9-98.4)	94.4 (93.9-94.8)	98.9 (98.7-99.0)	98.1 (97.8-98.3)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	99.5 (98.9-100)	99.5 (98.9-100)	98.9 (97.9-99.9)	99.4 (98.7-100)	98.7 (97.7-99.7)
20-44	99.7 (99.6-99.9)	99.4 (99.1-99.6)	97.5 (97.0-97.9)	99.6 (99.4-99.8)	99.4 (99.1-99.6)
45-64	98.9 (98.7-99.2)	98.0 (97.6-98.4)	94.0 (93.4-94.7)	98.8 (98.5-99.1)	97.9 (97.5-98.3)
65+	97.2 (96.3-98.1)	94.5 (93.2-95.8)	83.8 (81.7-86.0)	97.1 (96.3-98.0)	94.8 (93.7-96.0)
Men	99.2 (99.0-99.4)	98.5 (98.2-98.7)	95.3 (94.8-95.8)	99.0 (98.8-99.2)	98.4 (98.1-98.7)
Women	99.3 (99.0-99.5)	98.4 (98.0-98.8)	94.9 (94.2-95.6)	99.3 (99.0-99.5)	98.5 (98.2-98.9)
Diabetes	98.4 (97.8-99.1)	97.3 (96.4-98.2)	89.9 (88.2-91.6)	98.6 (98.0-99.2)	97.4 (96.6-98.3)
Hypertension / renal vascular disease	99.0 (98.6-99.5)	98.2 (97.5-98.8)	93.8 (92.6-95.1)	99.0 (98.6-99.5)	98.1 (97.4-98.7)
Glomerulonephritis	99.3 (99.0-99.6)	98.5 (98.0-99.0)	96.0 (95.3-96.8)	98.9 (98.5-99.2)	98.4 (97.9-98.8)
Other causes	99.3 (99.1-99.5)	98.6 (98.3-98.9)	95.8 (95.3-96.3)	99.2 (99.0-99.4)	98.6 (98.4-98.9)
All	99.2 (99.1-99.4)	98.4 (98.2-98.7)	95.1 (94.7-95.6)	99.1 (98.9-99.2)	98.4 (98.2-98.7)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	92.7 (90.5-94.3)	90.1 (87.7-92.0)	85.8 (83.1-88.2)	94.6 (92.8-95.9)	92.5 (90.5-94.1)
20-44	94.1 (93.6-94.6)	92.2 (91.6-92.7)	86.4 (85.6-87.1)	94.5 (94.0-94.9)	93.0 (92.5-93.5)
45-64	91.4 (91.0-91.8)	88.6 (88.1-89.0)	79.6 (79.0-80.2)	92.3 (91.9-92.7)	89.7 (89.3-90.1)
65+	85.6 (84.9-86.3)	80.6 (79.7-81.4)	63.7 (62.7-64.7)	86.2 (85.5-86.8)	81.0 (80.2-81.7)
Men	90.5 (90.2-90.9)	87.2 (86.8-87.6)	76.7 (76.1-77.2)	91.3 (90.9-91.6)	88.0 (87.6-88.4)
Women	91.1 (90.6-91.6)	88.4 (87.8-88.9)	79.4 (78.7-80.1)	91.3 (90.9-91.8)	88.8 (88.2-89.3)
Diabetes	89.3 (88.5-90.1)	85.4 (84.5-86.3)	72.2 (71.0-73.3)	89.7 (88.9-90.4)	85.7 (84.9-86.5)
Hypertension / renal vascular disease	88.5 (87.5-89.4)	84.3 (83.2-85.4)	71.3 (70.0-72.7)	89.4 (88.5-90.3)	85.1 (84.1-86.1)
Glomerulonephritis	91.4 (90.7-92.0)	88.6 (87.8-89.3)	80.0 (79.1-80.9)	92.3 (91.7-92.8)	89.8 (89.1-90.4)
Other causes	91.5 (91.1-91.9)	88.7 (88.3-89.2)	80.0 (79.5-80.6)	91.8 (91.5-92.2)	89.3 (88.8-89.7)
All	90.7 (90.4-91.0)	87.6 (87.3-88.0)	77.7 (77.3-78.1)	91.3 (91.0-91.6)	88.3 (88.0-88.6)

* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	92.1 (90.1-94.1)	89.3 (87.0-91.6)	84.7 (82.1-87.5)	94.2 (92.6-95.9)	92.0 (90.1-93.9)
20-44	94.2 (93.7-94.6)	92.3 (91.7-92.8)	86.5 (85.8-87.3)	94.5 (94.1-95.0)	93.0 (92.5-93.6)
45-64	91.6 (91.2-92.0)	88.9 (88.4-89.3)	80.1 (79.5-80.7)	92.5 (92.2-92.9)	90.0 (89.6-90.4)
65+	86.4 (85.7-87.1)	81.6 (80.8-82.4)	65.1 (64.1-66.2)	86.8 (86.1-87.4)	81.7 (81.0-82.5)
Men	92.6 (92.3-92.9)	89.9 (89.5-90.3)	81.1 (80.6-81.6)	93.3 (93.0-93.6)	90.7 (90.4-91.1)
Women	92.6 (92.2-93.0)	90.3 (89.8-90.8)	82.5 (81.8-83.1)	92.9 (92.5-93.3)	90.8 (90.3-91.2)
Diabetes	91.4 (90.8-92.1)	88.2 (87.4-88.9)	76.7 (75.7-77.7)	92.0 (91.4-92.6)	88.8 (88.1-89.5)
Hypertension / renal vascular disease	91.8 (91.1-92.5)	88.8 (88.0-89.6)	78.8 (77.7-79.9)	92.7 (92.1-93.4)	89.6 (88.9-90.4)
Glomerulonephritis	92.6 (92.0-93.1)	90.1 (89.5-90.7)	82.4 (81.6-83.3)	93.4 (92.9-93.9)	91.2 (90.6-91.8)
Other causes	92.8 (92.4-93.1)	90.4 (90.0-90.8)	82.7 (82.2-83.3)	93.2 (92.9-93.6)	91.0 (90.7-91.4)
All	92.6 (92.3-92.9)	90.0 (89.7-90.4)	81.6 (81.2-82.0)	93.2 (92.9-93.4)	90.7 (90.4-91.0)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	96.8 (94.9-98.0)	95.8 (93.7-97.2)	91.4 (88.7-93.5)	96.4 (94.5-97.6)	94.1 (91.9-95.8)
20-44	97.4 (96.9-97.8)	96.0 (95.4-96.5)	90.3 (89.4-91.1)	96.9 (96.4-97.4)	96.0 (95.4-96.6)
45-64	96.7 (96.1-97.1)	94.9 (94.3-95.5)	88.9 (88.0-89.7)	96.9 (96.4-97.3)	95.5 (95.0-96.0)
65+	95.1 (93.7-96.2)	91.9 (90.2-93.3)	79.5 (77.1-81.6)	95.5 (94.4-96.4)	92.9 (91.5-94.1)
Men	96.8 (96.3-97.2)	95.2 (94.7-95.7)	88.9 (88.2-89.6)	96.5 (96.1-96.9)	95.3 (94.9-95.8)
Women	96.8 (96.2-97.3)	94.7 (94.0-95.4)	88.0 (87.0-88.9)	97.0 (96.4-97.4)	95.3 (94.6-95.8)
Diabetes	95.0 (93.3-96.2)	92.6 (90.7-94.1)	80.9 (78.2-83.3)	95.6 (94.1-96.7)	92.7 (90.9-94.2)
Hypertension / renal vascular disease	96.3 (94.9-97.3)	93.8 (92.1-95.2)	84.9 (82.5-87.0)	96.4 (95.1-97.4)	93.7 (92.0-95.0)
Glomerulonephritis	96.8 (96.1-97.4)	95.2 (94.4-95.9)	88.6 (87.3-89.7)	96.5 (95.8-97.1)	95.5 (94.7-96.2)
Other causes	97.0 (96.6-97.4)	95.4 (94.9-95.9)	90.1 (89.3-90.8)	96.8 (96.4-97.2)	95.6 (95.1-96.1)
All	96.8 (96.4-97.1)	95.1 (94.6-95.4)	88.6 (88.0-89.1)	96.7 (96.4-97.0)	95.3 (94.9-95.7)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), 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 2010 - 2014			cohort 2013 - 2017	
	1 year	2 year	5 year	1 year	2 year
0-19	96.3 (94.6-98.0)	95.2 (93.2-97.2)	90.1 (87.3-92.9)	96.0 (94.3-97.7)	93.4 (91.2-95.6)
20-44	97.2 (96.7-97.7)	95.7 (95.1-96.3)	89.6 (88.7-90.5)	96.8 (96.2-97.3)	95.8 (95.2-96.5)
45-64	96.7 (96.2-97.2)	94.9 (94.3-95.5)	88.9 (88.0-89.8)	96.7 (96.3-97.2)	95.4 (94.8-96.0)
65+	95.0 (93.8-96.3)	91.9 (90.4-93.5)	80.0 (77.7-82.4)	95.4 (94.4-96.5)	92.7 (91.4-94.0)
Men	96.7 (96.2-97.1)	95.1 (94.6-95.6)	88.6 (87.8-89.3)	96.4 (95.9-96.8)	95.2 (94.7-95.6)
Women	96.5 (95.9-97.1)	94.2 (93.4-94.9)	86.7 (85.6-87.8)	96.7 (96.2-97.3)	94.8 (94.2-95.5)
Diabetes	95.2 (93.9-96.6)	93.0 (91.4-94.6)	81.8 (79.4-84.3)	95.7 (94.5-97.0)	93.0 (91.5-94.7)
Hypertension / renal vascular disease	96.6 (95.5-97.7)	94.2 (92.8-95.7)	85.9 (83.7-88.0)	96.6 (95.5-97.7)	94.0 (92.5-95.4)
Glomerulonephritis	96.5 (95.8-97.2)	94.8 (94.0-95.7)	87.6 (86.3-88.9)	96.3 (95.6-97.0)	95.3 (94.5-96.0)
Other causes	96.9 (96.4-97.3)	95.2 (94.6-95.7)	89.6 (88.8-90.4)	96.8 (96.3-97.2)	95.5 (95.0-96.0)
All	96.6 (96.2-96.9)	94.8 (94.3-95.2)	87.9 (87.3-88.5)	96.5 (96.2-96.8)	95.0 (94.6-95.4)

** Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), 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 RRT patients
from day 1, adjusted for age and sex

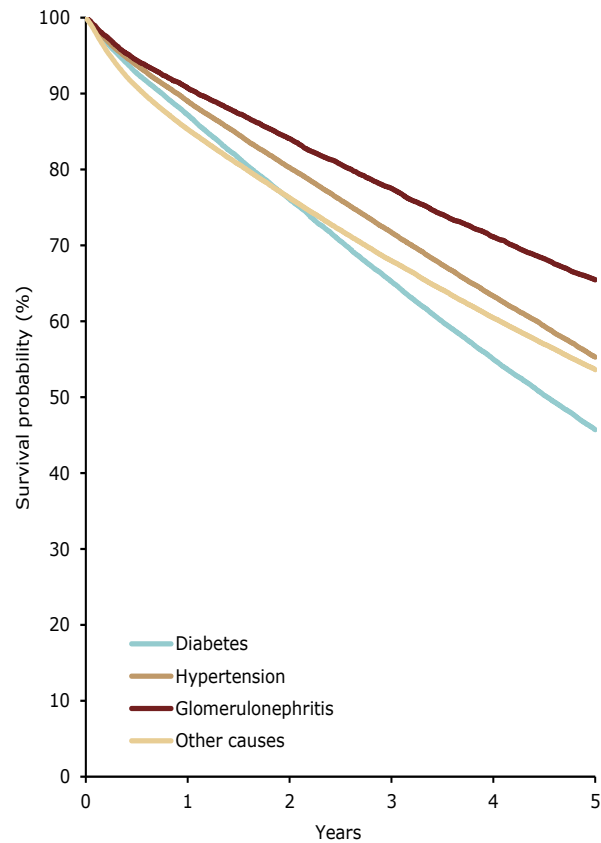


Figure B.6.2
Patient survival by modality:
Incident dialysis patients
from day 91, adjusted for age, sex, and primary renal disease

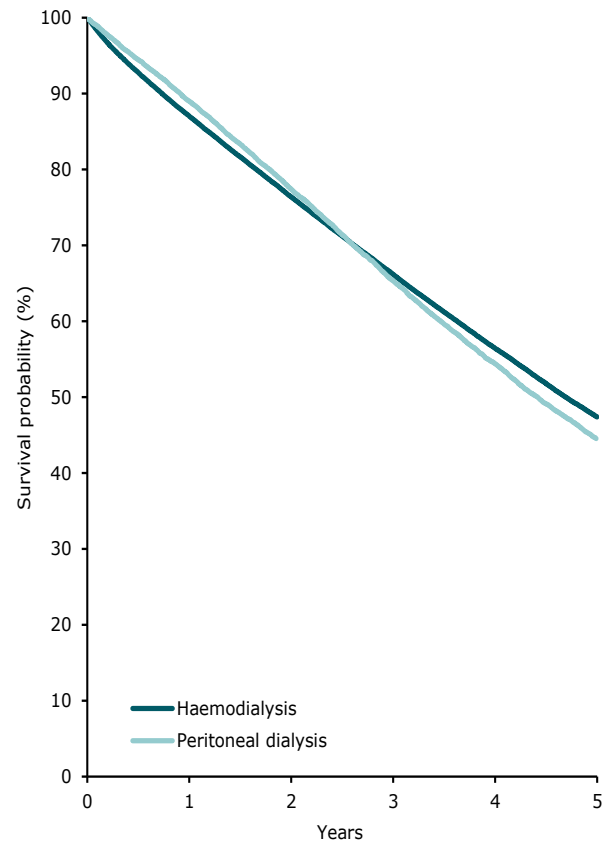
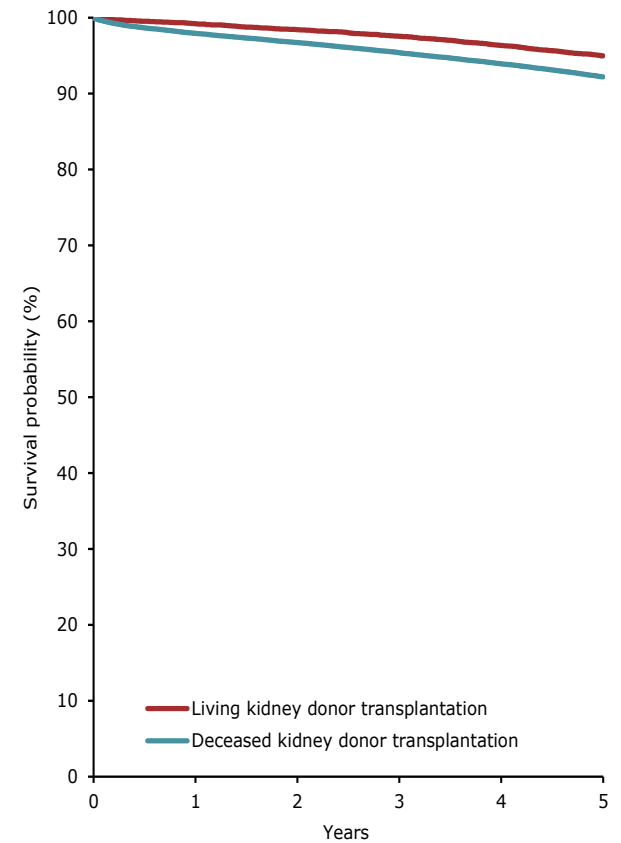


Figure B.6.3
Patient survival by donor type:
Patients receiving a first kidney transplant
from day of transplant, adjusted for age, sex, and primary renal disease



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 2015-2019) and of prevalent dialysis and kidney transplant patients (cohort 2015-2019)

by age and sex

General population				ESRD: Dialysis				ESRD: Transplant			
Age	All	Men	Women	Age	All	Men	Women	Age	All	Men	Women
0	81.7	79.2	84.1	0-19	39.6	40.8	38.0	0-19	63.1	62.8	63.6
5	77.0	74.6	79.3								
10	72.0	69.6	74.4								
15	67.0	64.6	69.4								
20	62.1	59.7	64.5	20-24	21.9	22.8	20.6	20-24	43.8	43.3	44.8
25	57.2	54.9	59.5	25-29	19.1	19.7	18.3	25-29	39.5	39.1	40.4
30	52.3	50.0	54.6	30-34	16.5	16.7	16.2	30-34	35.2	34.7	36.1
35	47.5	45.2	49.7	35-39	14.2	14.2	14.2	35-39	31.0	30.5	31.9
40	42.6	40.4	44.8	40-44	12.2	12.0	12.6	40-44	26.8	26.4	27.7
45	37.9	35.7	40.0	45-49	10.4	10.1	11.0	45-49	22.9	22.5	23.8
50	33.2	31.1	35.2	50-54	8.8	8.5	9.3	50-54	19.3	18.9	20.2
55	28.7	26.7	30.6	55-59	7.5	7.3	7.9	55-59	16.0	15.6	16.7
60	24.4	22.5	26.1	60-64	6.4	6.2	6.7	60-64	12.9	12.5	13.5
65	20.2	18.5	21.7	65-69	5.5	5.4	5.8	65-69	10.2	9.9	10.7
70	16.3	14.8	17.5	70-74	4.8	4.7	5.1	70-74	7.9	7.8	8.2
75	12.6	11.4	13.6	75-79	4.1	4.0	4.3	75-79	5.9	5.8	6.1
80	9.2	8.3	9.9	80-84	3.4	3.3	3.4	80-84	4.0	3.8	4.4
85	6.4	5.7	6.8	85-89	2.2	2.2	2.3				

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, 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 and Wales), 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	2862	99.0	14	13
Belarus ‡	9466	100	52	50
Cyprus	888	100	7	7
Czech Republic	10694	98.0	113	111
Israel	9053	100	79	79
Italy (8 of 20 regions) §	59817	37.5	604	109
Kosovo	1740	97.0	9	8
Latvia	1908	68.0	30	21
Lithuania	2794	100	67	67
North Macedonia	2076	100	23	23
Poland	38383	100	280	280
Portugal	10277	100	129	129
Russia	146749	98.0	701	645
Slovakia	5663	82.0	76	62
Spain #	47026	100	352	348
Turkey	83155	100	1095	1095
Ukraine	41984	100	137	137

‡ 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, Friuli Venezia Giulia, Liguria, Marche, Piedmont, Puglia, and Veneto). The coverage within these regions is 94.4%

No data from 4 centers of the Canary Islands (these centers treat foreign patients only)

C2 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2019, AT DAY 1

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	356	207	149	3	1	2	1	1	1	47	13	29	14	18	12	151	42	89	43	62	42	104	29	58	28	46	31	51	14	29	14	22	15
Belarus *	883	491	392	3	0	1	0	2	1	162	18	99	20	63	16	366	41	207	42	159	41	248	28	125	25	123	31	104	12	59	12	45	11
Cyprus	252	185	67	1	0	1	1	0	0	14	6	12	6	2	3	62	25	45	24	17	25	76	30	53	29	23	34	99	39	74	40	25	37
Czech Republic †	2267																																
Israel	1790	1178	612	30	2	16	1	14	2	139	8	92	8	47	8	503	28	353	30	150	25	578	32	381	32	197	32	540	30	336	29	204	33
Italy (8 of 20 regions)	3703	2449	1254	25	1	13	1	12	1	229	6	151	6	78	6	914	25	617	25	297	24	993	27	634	26	359	29	1542	42	1034	42	508	41
Kosovo	192	103	89	2	1	0	0	2	2	28	15	18	17	10	11	84	44	44	43	40	45	51	27	24	23	27	30	27	14	17	17	10	11
Latvia	121	76	45	2	2	2	3	0	0	17	14	13	17	4	9	41	34	24	32	17	38	35	29	25	33	10	22	26	21	12	16	14	31
Lithuania	315	196	119	5	2	2	1	3	3	23	7	19	10	4	3	125	40	85	43	40	34	77	24	47	24	30	25	85	27	43	22	42	35
North Macedonia	380	228	152	0	0	0	0	0	0	21	6	11	5	10	7	143	38	87	38	56	37	133	35	78	34	55	36	83	22	52	23	31	20
Poland	5865																																
Portugal	2673																																
Russia †	12602	6730	5872	212	2	128	2	84	1	2574	20	1489	22	1085	18	5576	44	3098	46	2478	42	3172	25	1527	23	1645	28	1068	8	488	7	580	10
Slovakia †	566	346	220	2	0	1	0	1	0	52	9	35	10	17	8	190	34	133	38	57	26	191	34	116	34	75	34	131	23	61	18	70	32
Spain §	7133	4812	2321	39	1	23	0	16	1	719	10	457	9	262	11	2208	31	1483	31	725	31	2043	29	1418	29	625	27	2124	30	1431	30	693	30
Turkey	12518																																
Ukraine *	1675	954	721	12	1	8	1	4	1	409	24	235	25	174	24	870	52	514	54	356	49	339	20	172	18	167	23	45	3	25	3	20	3

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	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Albania	125.6	146.3	105.0	4.3	5.6	2.9	47.3	57.6	36.8	202.0	244.1	161.9	439.7	501.7	380.5	313.5	376.1	257.1
Belarus *	93.3	111.3	77.6	1.5	0.9	2.0	49.0	59.3	38.5	138.2	171.4	110.4	294.5	392.9	234.7	169.0	369.9	98.7
Cyprus	283.8	425.8	147.7	5.2	10.2	0	41.1	72.2	11.5	294.7	433.1	159.6	909.1	1325.0	527.5	1617.6	2761.2	726.7
Czech Republic †	216.3																	
Israel	197.7	262.2	134.2	9.2	9.6	8.8	46.2	60.9	31.4	294.4	424.3	171.1	902.7	1279.0	575.4	1244.2	1861.5	804.7
Italy (8 of 20 regions)	165.1	224.2	109.0	6.2	6.3	6.1	34.9	45.4	24.1	136.2	187.8	86.7	396.2	535.7	271.3	586.7	985.0	321.8
Kosovo	113.8	121.2	106.2	3.1	0	6.5	43.3	55.7	31.0	294.4	312.8	276.4	675.3	657.0	692.4	715.1	1035.1	468.8
Latvia	93.3	126.9	64.5	7.5	14.5	0	42.2	63.2	20.3	113.8	143.8	87.9	257.1	480.3	119.0	199.9	332.1	149.1
Lithuania	112.7	151.3	79.4	8.9	7.0	11.0	26.4	42.5	9.4	154.1	226.3	91.8	279.9	446.5	176.6	306.6	530.5	214.1
North Macedonia	183.0	219.3	146.7	0	0	0	27.5	28.1	26.9	257.2	312.9	201.4	692.1	877.1	532.7	765.2	1142.2	492.5
Poland	152.8																	
Portugal	260.1																	
Russia †	87.6	100.8	76.2	6.5	7.7	5.3	50.8	58.8	42.9	144.8	178.0	117.5	233.0	300.9	192.6	123.7	209.1	92.1
Slovakia †	121.9	146.9	96.1	2.2	2.1	2.2	32.0	42.0	21.5	158.8	226.0	93.7	423.2	591.4	293.9	291.4	230.4	378.8
Spain §	151.7	208.8	96.8	4.2	4.9	3.6	47.2	59.4	34.7	163.3	221.4	106.2	446.6	661.0	257.3	473.8	810.1	255.2
Turkey	150.5																	
Ukraine *	39.9	49.0	32.0	1.4	1.9	1.0	27.1	30.9	23.3	75.3	98.7	56.1	87.7	119.0	69.0	14.2	27.2	8.9

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	60.0	14.6	62.5	52.0	70.5	58.1	59.6	14.9	61.5	51.8	71.0	41.9	60.6	14.6	63.3	51.9	69.9
Belarus *	100						55.6						44.4					
Cyprus	100	69.0	14.0	73.0	62.0	79.0	73.4	69.0	14.0	72.0	62.0	80.0	26.6	69.0	11.0	73.0	64.0	77.0
Czech Republic																		
Israel	100	66.1	15.6	69.4	58.6	77.2	65.8	65.9	15.1	69.1	58.1	76.5	34.2	66.6	16.5	69.7	60.1	78.2
Italy (8 of 20 regions)	100	69.5	14.9	72.3	61.2	80.3	66.1	69.6	14.7	72.4	61.2	80.6	33.9	69.4	15.1	72.3	61.2	80.2
Kosovo	100	59.5	14.9	61.5	50.0	70.0	53.6	59.6	15.0	62.0	50.0	70.0	46.4	59.4	14.8	61.0	50.0	70.0
Latvia	100	62.1	15.1	65.0	54.0	71.0	62.8	59.9	15.8	64.0	50.8	71.0	37.2	65.7	13.2	70.0	60.0	75.0
Lithuania	100	65.1	13.6	64.0	56.6	75.9	62.2	63.4	13.6	63.3	53.7	72.5	37.8	67.9	13.3	67.8	60.1	79.1
North Macedonia	100	64.9	12.0	66.0	58.0	73.3	60.0	65.1	12.0	66.0	59.0	74.0	40.0	64.5	12.1	66.5	56.8	73.0
Poland																		
Portugal																		
Russia †	100						53.4						46.6					
Slovakia †	100	64.2	13.5	66.0	58.0	74.0	61.1	62.4	13.2	65.0	55.0	72.0	38.9	67.0	13.6	70.0	61.0	76.0
Spain	100	63.4	14.8	67.9	54.3	76.7	67.5	63.7	14.8	68.1	54.8	76.6	32.5	62.8	15.6	67.5	53.3	76.8
Turkey																		
Ukraine *	100	52.9	13.8	54.0	44.0	63.0	57.0	53.1	13.3	54.0	45.0	62.0	43.0	52.7	14.2	55.0	41.0	65.0

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

When cells are left empty, the data are unavailable

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

† Data include dialysis patients only

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

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	138.3	158.9	118.8
Belarus			
Cyprus	262.4	380.4	149.8
Czech Republic			
Israel	299.5	397.5	206.1
Italy (8 of 20 regions)	140.5	188.0	95.1
Kosovo	233.4	254.4	213.5
Latvia	92.8	131.9	55.6
Lithuania	113.1	157.9	70.4
North Macedonia	210.4	255.8	167.1
Poland			
Portugal			
Russia			
Slovakia †	137.5	174.6	102.1
Spain ¶	145.6	199.5	94.1
Turkey			
Ukraine			

When cells are left empty, the data are unavailable

† Data include dialysis patients only

¶ Data is available for 6,963 patients (97.6%, total N=7133)

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	125.6	100	25.8	20.5	19.8	15.7	7.8	6.2	2.1	1.7	23.6	18.8	25.8	20.5	14.1	11.2	2.1	1.7	18.3	14.6	12.0	9.6	0	0
Belarus *	93.3	100	18.2	19.5	8.1	8.7	7.3	7.8	4.6	5.0	15.1	16.2	19.8	21.2	11.9	12.8	7.3	7.8	19.9	21.3	0.4	0.5	0.4	0.5
Cyprus	283.8	100	31.5	11.1	9.0	3.2	12.4	4.4	4.5	1.6	116.0	40.9	120.5	42.5	50.7	17.9	12.4	4.4	12.4	4.4	34.9	12.3	0	0
Czech Republic																								
Israel	197.7	100	11.7	5.9	3.6	1.8	5.7	2.9	3.4	1.7	88.9	45.0	92.3	46.7	21.8	11.0	2.1	1.1	24.3	12.3	26.1	13.2	10.1	5.1
Italy (8 of 20 regions)	165.1	100	15.1	9.1	6.2	3.7	7.0	4.2					25.3	15.3	21.0	12.7	5.2	3.1	17.9	10.9	54.3	32.9	13.2	8.0
Kosovo	113.8	100	5.3	4.7	32.0	28.1	4.7	4.2	2.4	2.1	39.7	34.9	42.1	37.0	16.0	14.1	2.4	2.1	9.5	8.3	1.8	1.6	0	0
Latvia	93.3	100	10.8	11.6	17.7	19.0	5.4	5.8	6.2	6.6	18.5	19.8	24.7	26.4	7.7	8.3	0	0	15.4	16.5	11.6	12.4	0	0
Lithuania	112.7	100	21.8	19.4	11.5	10.2	8.6	7.6					22.2	19.7	19.3	17.1	2.5	2.2	18.3	16.2	8.6	7.6	0	0
North Macedonia	183.0	100	10.6	5.8	9.2	5.0	9.6	5.3	0.5	0.3	44.8	24.5	45.3	24.7	45.8	25.0	4.8	2.6	20.7	11.3	37.1	20.3	0	0
Poland	152.8	100					8.9	5.8					47.9	31.4									96.0	62.8
Portugal + & ‡	260.1	100	30.1	11.6			13.3	5.1					84.9	32.6	33.3	12.8			52.9	20.4	41.2	15.8	1.4	0.5
Russia †	87.6	100	20.9	23.9	8.9	10.1	6.7	7.6	6.5	7.4	13.2	15.1	19.7	22.5	14.2	16.2	1.6	1.8	14.2	16.2	1.4	1.6	0	0
Slovakia †	121.9	100	14.9	12.2	14.0	11.5	4.3	3.5					37.5	30.7	6.2	5.1	5.2	4.2	36.8	30.2	3.0	2.5	0	0
Spain ¶	151.7	100	20.1	13.3	13.2	8.7	7.4	4.9					37.0	24.4	20.8	13.7			23.3	15.3	21.7	14.3	8.1	5.4
Turkey	150.5	100	1.2	0.8	0.3	0.2	0.6	0.4	0.7	0.4	6.1	4.0	6.7	4.5	4.5	3.0	0.1	0.1	2.2	1.5	2.5	1.6	132.5	88.0
Ukraine * +	39.9	100	12.0	30.0	5.2	13.0	4.2	10.6	3.4	8.5	6.1	15.3	9.5	23.8	3.1	7.8			5.3	13.2	0.5	1.2	0.1	0.3

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

+ 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 (98.8%, total N=2673)

† Data include dialysis patients only

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

C2 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2019, AT DAY 1

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	356	339	0	0	0	0	339	0	13	0	13	4	0	0	4	0
Belarus *	883	779	0	0	0	39	818	6	40	0	46	3	16	0	19	0
Cyprus	252	131	0	0	0	96	227	5	18	0	23	2	0	0	2	0
Czech Republic †	2267			2195			2195			72	72					0
Israel	1790	1463	0	0	0	62	1525	41	152	1	194	61	5	5	71	0
Italy (8 of 20 regions)	3703	2746	7	0	28	270	3051	288	293	0	581	23	44	4	71	0
Kosovo	192	192	0	0	0	0	192	0	0	0	0	0	0	0	0	0
Latvia	121	90	0	0	0	0	90			29	29	1	1	0	2	0
Lithuania	315	281	0	0	0	0	281			28	28	2	4	0	6	0
North Macedonia	380	376	0	0	0	0	376	0	2	0	2	2	0	0	2	0
Poland	5865	5511	0	0	0	0	5511			312	312			42	42	0
Portugal	2673			2356			2356			285	285			32	32	0
Russia †	12602	10902	0	0	0	721	11623	291	688	0	979					0
Slovakia †	566	162	0	0	0	381	543	6	5	0	11					12
Spain	7133			5606			5606			1132	1132			395	395	0
Turkey	12518	9492	4	25	2	107	9630	287	822	0	1109	1751	28	0	1779	0
Ukraine *	1675	990	0	0	0	468	1458	23	194	0	217	0	0	0	0	0

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

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

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

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	125.6	119.6	0	0	0	0	119.6	0	4.6	0	4.6	1.4	0	0	1.4	0
Belarus *	93.3	82.3	0	0	0	4.1	86.4	0.6	4.2	0	4.9	0.3	1.7	0	2.0	0
Cyprus	283.8	147.5	0	0	0	108.1	255.6	5.6	20.3	0	25.9	2.3	0	0	2.3	0
Czech Republic †	216.3			209.4			209.4			6.9	6.9					0
Israel	197.7	161.6	0	0	0	6.8	168.4	4.5	16.8	0.1	21.4	6.7	0.6	0.6	7.8	0
Italy (8 of 20 regions)	165.1	122.4	0.3	0	1.2	12.0	136.0	12.8	13.1	0	25.9	1.0	2.0	0.2	3.2	0
Kosovo	113.8	113.8	0	0	0	0	113.8	0	0	0	0	0	0	0	0	0
Latvia	93.3	69.4	0	0	0	0	69.4			22.4	22.4	0.8	0.8	0	1.5	0
Lithuania	112.7	100.6	0	0	0	0	100.6			10.0	10.0	0.7	1.4	0	2.1	0
North Macedonia	183.0	181.1	0	0	0	0	181.1	0	1.0	0	1.0	1.0	0	0	1.0	0
Poland	152.8	143.6	0	0	0	0	143.6			8.1	8.1			1.1	1.1	0
Portugal	260.1			229.3			229.3			27.7	27.7			3.1	3.1	0
Russia †	87.6	75.8	0	0	0	5.0	80.8	2.0	4.8	0	6.8					0
Slovakia †	121.9	34.9	0	0	0	82.0	116.9	1.3	1.1	0	2.4					2.6
Spain	151.7			119.2			119.2			24.1	24.1			8.4	8.4	0
Turkey	150.5	114.1	0	0.3	0	1.3	115.8	3.5	9.9	0	13.3	21.1	0.3	0	21.4	0
Ukraine *	39.9	23.6	0	0	0	11.1	34.7	0.5	4.6	0	5.2	0	0	0	0	0

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

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

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

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Albania	100	95.2	0	0	0	0	95.2	0	3.7	0	3.7	1.1	0	0	1.1	0
Belarus *	100	88.2	0	0	0	4.4	92.6	0.7	4.5	0	5.2	0.3	1.8	0	2.2	0
Cyprus	100	52.0	0	0	0	38.1	90.1	2.0	7.1	0	9.1	0.8	0	0	0.8	0
Czech Republic †	100			96.8			96.8			3.2	3.2					0
Israel	100	81.7	0	0	0	3.5	85.2	2.3	8.5	0.1	10.8	3.4	0.3	0.3	4.0	0
Italy (8 of 20 regions)	100	74.2	0.2	0	0.8	7.3	82.4	7.8	7.9	0	15.7	0.6	1.2	0.1	1.9	0
Kosovo	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0
Latvia	100	74.4	0	0	0	0	74.4			24.0	24.0	0.8	0.8	0	1.7	0
Lithuania	100	89.2	0	0	0	0	89.2			8.9	8.9	0.6	1.3	0	1.9	0
North Macedonia	100	98.9	0	0	0	0	98.9	0	0.5	0	0.5	0.5	0	0	0.5	0
Poland	100	94.0	0	0	0	0	94.0			5.3	5.3			0.7	0.7	0
Portugal	100			88.1			88.1			10.7	10.7			1.2	1.2	0
Russia †	100	86.5	0	0	0	5.7	92.2	2.3	5.5	0	7.8					0
Slovakia †	100	28.6	0	0	0	67.3	95.9	1.1	0.9	0	1.9					2.1
Spain	100			78.6			78.6			15.9	15.9			5.5	5.5	0
Turkey	100	75.8	0	0.2	0	0.9	76.9	2.3	6.6	0	8.9	14.0	0.2	0	14.2	0
Ukraine *	100	59.1	0	0	0	27.9	87.0	1.4	11.6	0	13.0	0	0	0	0	0

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

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

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

	All			0-19						20-44						45-64						65-74						75+					
	All	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	%	N	%				
Albania	342	200	142	3	1	2	1	1	1	42	12	26	13	16	11	146	43	87	44	59	42	101	30	57	29	44	31	50	15	28	14	22	15
Belarus *	708	408	300	3	0	1	0	2	1	151	21	91	22	60	20	305	43	169	41	136	45	182	26	102	25	80	27	67	9	45	11	22	7
Cyprus	239	177	62	1	0	1	1	0	0	13	5	11	6	2	3	61	26	44	25	17	27	72	30	52	29	20	32	92	38	69	39	23	37
Czech Republic																																	
Israel	1685	1113	572	30	2	16	1	14	2	138	8	92	8	46	8	490	29	345	31	145	25	541	32	357	32	184	32	486	29	303	27	183	32
Italy (8 of 20 regions)	3459	2291	1168	25	1	13	1	12	1	222	6	148	6	74	6	879	25	589	26	290	25	926	27	598	26	328	28	1407	41	943	41	464	40
Kosovo	142	72	70	1	1	0	0	1	1	21	15	13	18	8	11	63	44	30	42	33	47	41	29	19	26	22	31	16	11	10	14	6	9
Latvia	107	68	39	2	2	2	3	0	0	14	13	11	16	3	8	38	36	21	31	17	44	32	30	23	34	9	23	21	20	11	16	10	26
Lithuania	304	190	114	5	2	2	1	3	3	23	8	19	10	4	4	125	41	85	45	40	35	73	24	45	24	28	25	78	26	39	21	39	34
North Macedonia	324	196	128	0	0	0	0	0	0	18	6	9	5	9	7	132	41	80	41	52	41	114	35	69	35	45	35	60	19	38	19	22	17
Poland																																	
Portugal	2576																																
Russia																																	
Slovakia †	554	336	218	2	0	1	0	1	0	52	9	35	10	17	8	180	32	123	37	57	26	191	34	116	35	75	34	129	23	61	18	68	31
Spain																																	
Turkey																																	
Ukraine *	1418																																

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	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	120.7	141.3	100.1	4.3	5.6	2.9	42.3	51.6	32.7	195.3	238.6	154.1	427.1	493.0	364.0	307.3	363.1	257.1
Belarus *	74.8	92.5	59.4	1.5	0.9	2.0	45.7	54.5	36.7	115.2	139.9	94.4	216.1	320.6	152.7	108.9	282.1	48.2
Cyprus	269.1	407.4	136.7	5.2	10.2	0	38.1	66.2	11.5	289.9	423.5	159.6	861.2	1300.0	458.7	1503.3	2574.6	668.6
Czech Republic																		
Israel	186.1	247.7	125.4	9.2	9.6	8.8	45.9	60.9	30.7	286.8	414.7	165.4	844.9	1198.4	537.4	1119.8	1678.7	721.9
Italy (8 of 20 regions)	154.2	209.7	101.5	6.2	6.3	6.1	33.9	44.5	22.9	131.0	179.2	84.7	369.4	505.3	247.9	535.3	898.3	293.9
Kosovo	84.1	84.7	83.5	1.6	0	3.2	32.5	40.2	24.8	220.8	213.3	228.1	542.9	520.1	564.1	423.8	608.9	281.3
Latvia	82.5	113.5	55.9	7.5	14.5	0	34.8	53.4	15.3	105.5	125.8	87.9	235.1	441.9	107.1	161.5	304.4	106.5
Lithuania	108.8	146.7	76.1	8.9	7.0	11.0	26.4	42.5	9.4	154.1	226.3	91.8	265.3	427.5	164.9	281.3	481.1	198.8
North Macedonia	156.1	188.5	123.5	0	0	0	23.6	23.0	24.2	237.4	287.7	187.0	593.2	775.9	435.8	553.2	834.7	349.5
Poland																		
Portugal	250.7																	
Russia																		
Slovakia †	119.3	142.7	95.3	2.2	2.1	2.2	32.0	42.0	21.5	150.4	209.0	93.7	423.2	591.4	293.9	286.9	230.4	367.9
Spain																		
Turkey																		
Ukraine *	33.8																	

When cells are left empty, the data are unavailable

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

† Data include dialysis patients only

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	59.5	14.7	61.8	51.6	69.6	59.2	59.0	14.9	60.5	51.2	69.9	40.8	60.3	14.5	63.2	51.8	69.8
Belarus *	100						57.6						42.4					
Cyprus	100	69.0	14.0	72.0	62.0	79.0	74.1	69.0	14.0	72.0	62.0	79.0	25.9	69.0	11.0	73.0	63.0	77.0
Czech Republic																		
Israel	100	65.5	15.7	68.8	57.8	76.6	66.1	65.3	15.2	68.3	56.9	76.0	33.9	66.0	16.7	69.5	59.3	77.9
Italy (8 of 20 regions)	100	69.2	13.7	71.9	60.8	80.1	66.2	69.3	13.3	72.0	61.4	80.2	33.8	69.0	14.5	71.9	60.4	79.9
Kosovo	100	58.9	14.2	62.0	50.0	69.0	50.7	58.5	15.2	62.0	49.0	68.0	49.3	59.2	13.3	60.5	50.0	69.0
Latvia	100	62.0	15.1	64.0	53.5	72.0	63.6	60.0	16.0	64.5	50.8	71.0	36.4	65.4	13.1	64.0	60.0	74.5
Lithuania	100	64.6	13.5	64.0	56.6	75.7	62.5	62.9	13.5	63.3	53.7	72.1	37.5	67.5	13.2	67.8	60.1	78.8
North Macedonia	100	64.0	11.8	65.0	57.0	72.0	60.5	64.3	11.7	65.5	58.8	72.3	39.5	63.6	12.1	65.0	56.0	71.0
Poland																		
Portugal																		
Russia																		
Slovakia †	100	64.3	13.5	66.0	58.0	66.0	60.6	62.6	13.2	65.0	56.0	72.0	39.4	66.9	13.6	70.0	61.0	76.0
Spain																		
Turkey																		
Ukraine																		

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

When cells are left empty, the data are unavailable

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

† Data include dialysis patients only

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

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	133.0	153.5	113.6
Belarus			
Cyprus	253.6	369.8	142.8
Czech Republic			
Israel	280.8	374.6	191.5
Italy (8 of 20 regions)	131.6	176.4	88.8
Kosovo	164.3	171.6	157.3
Latvia	82.7	118.8	48.2
Lithuania	109.0	152.5	67.5
North Macedonia	176.7	215.4	139.9
Poland			
Portugal			
Russia			
Slovakia †	134.5	169.8	100.9
Spain			
Turkey			
Ukraine			

When cells are left empty, the data are unavailable

† Data include dialysis patients only

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

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type 1		Type 2		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Albania	120.7	100	24.7	20.5	19.1	15.8	7.8	6.4	1.4	1.2	23.3	19.3	24.7	20.5	13.1	10.8	1.8	1.5	17.6	14.6	10.6	8.8	1.4	1.2
Belarus *	74.8	100	16.5	22.0	7.0	9.3	6.7	8.9	4.0	5.4	10.9	14.5	14.9	19.9	9.8	13.1	4.5	6.1	15.1	20.2	0.1	0.1	0.2	0.3
Cyprus	269.1	100	31.5	11.7	9.0	3.3	12.4	4.6	4.5	1.7	114.9	42.7	119.4	44.4	46.2	17.2	11.3	4.2	12.4	4.6	27.0	10.0	0	0
Czech Republic																								
Israel	186.1	100	11.4	6.1	3.5	1.9	5.7	3.1	3.2	1.7	84.2	45.2	87.4	46.9	20.7	11.1	2.0	1.1	21.5	11.6	24.0	12.9	9.9	5.3
Italy (8 of 20 regions)	154.2	100	14.6	9.5	5.9	3.8	7.0	4.5					23.9	15.5	20.0	13.0	4.9	3.2	17.1	11.1	48.1	31.2	12.7	8.2
Kosovo	84.1	100	3.6	4.2	20.1	23.9	3.6	4.2	2.4	2.8	32.0	38.0	34.4	40.8	11.3	13.4	1.8	2.1	7.7	9.2	1.8	2.1	0	0
Latvia	82.5	100	10.8	13.1	15.4	18.7	5.4	6.5	4.6	5.6	16.2	19.6	20.8	25.2	7.7	9.3	0	0	13.9	16.8	8.5	10.3	0	0
Lithuania	108.8	100	21.8	20.1	10.0	9.2	8.6	7.9					21.5	19.7	19.3	17.8	2.5	2.3	18.3	16.8	6.8	6.3	0	0
North Macedonia	156.1	100	9.6	6.2	8.2	5.2	9.2	5.9	0.5	0.3	41.4	26.5	41.9	26.9	41.4	26.5	2.4	1.5	18.3	11.7	25.0	16.0	0	0
Poland																								
Portugal																								
Russia																								
Slovakia †	119.3	100	12.7	10.6	13.4	11.2	4.3	3.6					37.5	31.4	6.2	5.2	4.7	4.0	36.8	30.9	3.7	3.1	0	0
Spain																								
Turkey																								
Ukraine * +	33.8	100	9.6	28.4	4.6	13.8	3.8	11.3	3.0	8.9	5.1	15.0	8.1	23.9	2.5	7.5			4.6	13.7	0.5	1.4	0	0

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

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

† Data include dialysis patients only

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

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	342	320	0	0	0	0	320	0	12	0	12	6	0	0	6	4
Belarus *	708	577	0	0	0	54	631	7	52	0	59	3	15	0	18	0
Cyprus	239	123	0	0	0	92	215	4	18	0	22	2	0	0	2	0
Czech Republic																
Israel	1685	1354	0	0	0	56	1410	41	146	1	188	76	5	6	87	0
Italy (8 of 20 regions)	3459	2538	7	0	69	200	2814	288	289	0	577	23	41	4	68	0
Kosovo	142	140	0	0	0	0	140	0	0	0	0	2	0	0	2	0
Latvia	107	80	0	0	0	0	80			25	25	1	1	0	2	0
Lithuania	304	270	0	0	0	0	270			28	28	2	4	0	6	0
North Macedonia	324	321	0	0	0	0	321	0	2	0	2	1	0	0	1	0
Poland																
Portugal #	2576			2266			2266			278	278			32	32	0
Russia																
Slovakia †	554	162	0	0	0	381	543	6	5	0	11					0
Spain																
Turkey																
Ukraine *	1418	865	0	0	0	382	1247	29	142	0	171	0	0	0	0	0

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

* Patients younger than 18 years of age are not reported

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

† Data include dialysis patients only

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	
Albania	120.7	112.9	0	0	0	0	112.9	0	4.2	0	4.2	2.1	0	0	2.1	1.4
Belarus *	74.8	61.0	0	0	0	5.7	66.7	0.7	5.5	0	6.2	0.3	1.6	0	1.9	0
Cyprus	269.1	138.5	0	0	0	103.6	242.1	4.5	20.3	0	24.8	2.3	0	0	2.3	0
Czech Republic																
Israel	186.1	149.6	0	0	0	6.2	155.7	4.5	16.1	0.1	20.8	8.4	0.6	0.7	9.6	0
Italy (8 of 20 regions)	154.2	113.1	0.3	0	3.1	8.9	125.5	12.8	12.9	0	25.7	1.0	1.8	0.2	3.0	0
Kosovo	84.1	83.0	0	0	0	0	83.0	0	0	0	0	1.2	0	0	1.2	0
Latvia	82.5	61.7	0	0	0	0	61.7			19.3	19.3	0.8	0.8	0	1.5	0
Lithuania	108.8	96.6	0	0	0	0	96.6			10.0	10.0	0.7	1.4	0	2.1	0
North Macedonia	156.1	154.6	0	0	0	0	154.6	0	1.0	0	1.0	0.5	0	0	0.5	0
Poland																
Portugal #	250.7			220.5			220.5			27.1	27.1			3.1	3.1	0
Russia																
Slovakia †	119.3	34.9	0	0	0	82.0	116.9	1.3	1.1	0	2.4					0
Spain																
Turkey																
Ukraine *	33.8	20.6	0	0	0	9.1	29.7	0.7	3.4	0	4.1	0	0	0	0	0

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

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

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

† Data include dialysis patients only

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	93.6	0	0	0	0	93.6	0	3.5	0	3.5	1.8	0	0	1.8	1.2
Belarus *	100	81.5	0	0	0	7.6	89.1	1.0	7.3	0	8.3	0.4	2.1	0	2.5	0
Cyprus	100	51.5	0	0	0	38.5	90.0	1.7	7.5	0	9.2	0.8	0	0	0.8	0
Czech Republic																
Israel	100	80.4	0	0	0	3.3	83.7	2.4	8.7	0.1	11.2	4.5	0.3	0.4	5.2	0
Italy (8 of 20 regions)	100	73.4	0.2	0	2.0	5.8	81.4	8.3	8.4	0	16.7	0.7	1.2	0.1	2.0	0
Kosovo	100	98.6	0	0	0	0	98.6	0	0	0	0	1.4	0	0	1.4	0
Latvia	100	74.8	0	0	0	0	74.8			23.4	23.4	0.9	0.9	0	1.9	0
Lithuania	100	88.8	0	0	0	0	88.8			9.2	9.2	0.7	1.3	0	2.0	0
North Macedonia	100	99.1	0	0	0	0	99.1	0	0.6	0	0.6	0.3	0	0	0.3	0
Poland																
Portugal #	100			88.0			88.0			10.8	10.8			1.2	1.2	0
Russia																
Slovakia †	100	29.2	0	0	0	68.8	98.0	1.1	0.9	0	2.0					0
Spain																
Turkey																
Ukraine *	100	61.0	0	0	0	26.9	87.9	2.0	10.0	0	12.1	0	0	0	0	0

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

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

* Patients younger than 18 years of age are not reported

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

† Data include dialysis patients only

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	1706	1087	619	20	1	13	1	7	1	591	35	365	34	226	37	749	44	479	44	270	44	288	17	193	18	95	15	58	3	37	3	21	3	
Belarus *	3948	2162	1786	13	0	10	0	3	0	1114	28	639	30	475	27	1783	45	1002	46	781	44	824	21	403	19	421	24	214	5	108	5	106	6	
Cyprus																																		
Czech Republic	11543																																	
Israel †	6839	4259	2580	43	1	21	0	22	1	490	7	318	7	172	7	2079	30	1362	32	717	28	2051	30	1273	30	778	30	2176	32	1285	30	891	35	
Italy (8 of 20 regions)	28622	18281	10341	352	1	212	1	140	1	3573	12	2252	12	1321	13	10106	35	6494	36	3612	35	7057	25	4561	25	2496	24	7534	26	4762	26	2772	27	
Kosovo	792	425	367	3	0	1	0	2	1	82	10	52	12	30	8	397	50	209	49	188	51	230	29	120	28	110	30	80	10	43	10	37	10	
Latvia	1040	561	479	11	1	6	1	5	1	214	21	127	23	87	18	476	46	261	47	215	45	220	21	108	19	112	23	119	11	59	11	60	13	
Lithuania	2424																																	
North Macedonia	1853	1114	739	8	0	3	0	5	1	245	13	147	13	98	13	849	46	542	49	307	42	489	26	271	24	218	29	262	14	151	14	111	15	
Poland †	21339	12596	8743	55	0					2193	10					6535	31					6745	32					5811	27					
Portugal	20640	12595	8045																															
Russia	59106	31480	27626	1461	2	870	3	591	2	13342	23	7667	24	5675	21	26603	45	14312	45	12291	44	13751	23	6811	22	6940	25	3949	7	1820	6	2129	8	
Slovakia †	3161	1878	1283	2	0	1	0	1	0	279	9	175	9	104	8	1000	32	632	34	368	29	1061	34	656	35	405	32	819	26	414	22	405	32	
Spain §	64311	40726	23585	296	0	193	0	103	0	8234	13	5052	12	3182	13	24837	39	15799	39	9038	38	15959	25	10373	25	5586	24	14985	23	9309	23	5676	24	
Turkey	83783																																	
Ukraine *	10250	5705	4545	44	0	28	0	16	0	3355	33	1870	33	1485	33	4949	48	2795	49	2154	47	1628	16	857	15	771	17	274	3	155	3	119	3	

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	602.0	768.0	436.4	28.8	36.7	20.6	594.9	724.4	461.5	1002.0	1313.9	705.1	1217.8	1669.4	785.9	356.5	479.8	245.4
Belarus *	417.1	490.0	353.4	6.3	9.5	3.0	337.0	382.5	290.4	673.2	829.7	542.1	978.4	1266.7	803.4	347.7	677.1	232.5
Cyprus																		
Czech Republic	1101.4																	
Israel †	755.4	947.9	565.8	13.2	12.5	13.8	163.0	210.7	114.9	1216.7	1637.0	817.8	3203.2	4273.2	2272.2	5013.8	7119.1	3514.8
Italy (8 of 20 regions)	1276.0	1673.4	898.7	87.4	102.0	71.7	544.9	676.9	409.0	1506.2	1976.3	1055.0	2815.4	3854.2	1886.4	2866.4	4536.3	1755.9
Kosovo	469.3	500.2	437.9	4.7	3.0	6.5	126.9	160.8	92.9	1391.2	1485.7	1299.3	3045.3	3285.0	2820.7	2119.0	2618.1	1734.6
Latvia	801.7	936.5	686.1	41.0	43.4	38.4	531.8	617.0	442.5	1321.4	1563.8	1112.1	1616.2	2074.8	1332.3	915.1	1632.9	638.9
Lithuania	867.5																	
North Macedonia	892.5	1071.5	713.0	17.6	12.8	22.7	320.6	375.1	263.2	1526.8	1949.2	1104.3	2544.5	3047.2	2111.4	2415.5	3316.7	1763.6
Poland †	556.0	678.4	441.2	7.2			159.8			651.8			1599.4			2128.6		
Portugal	2008.4	2595.6	1483.2															
Russia	411.0	471.5	358.5	45.0	52.3	37.4	263.5	303.0	224.1	690.9	822.2	582.6	1010.0	1341.9	812.7	457.5	779.7	338.1
Slovakia †	680.7	797.3	560.6	2.2	2.1	2.2	171.8	210.2	131.4	835.6	1073.8	605.2	2351.0	3344.7	1587.3	1821.7	1563.7	2191.4
Spain §	1367.6	1767.4	983.4	32.1	40.8	23.0	540.4	656.3	422.0	1836.7	2358.9	1324.2	3488.6	4835.4	2299.3	3343.0	5269.6	2089.8
Turkey	1007.6																	
Ukraine *	244.1	293.2	201.7	5.3	6.5	4.0	222.5	246.1	198.6	428.3	536.5	339.5	421.3	593.1	318.7	86.4	168.8	52.8

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	51.9	11.7	53.0	41.8	68.9	63.7	53.4	12.3	53.7	39.0	73.0	36.3	49.2	9.7	53.0	41.8	68.9
Belarus *	100						54.8						45.2					
Cyprus																		
Czech Republic																		
Israel †	100	67.0	14.5	69.0	59.0	77.4	62.3	66.7	14.4	68.5	58.6	76.8	37.7	67.5	14.8	69.9	59.7	78.0
Italy (8 of 20 regions)	100	63.3	16.5	65.4	52.9	75.6	63.9	63.3	16.3	65.4	53.0	75.5	36.1	63.3	16.8	65.4	52.6	75.9
Kosovo	100	60.1	12.5	61.0	53.0	69.0	53.7	59.5	13.0	61.0	52.0	69.0	46.3	60.9	11.8	62.0	55.0	69.0
Latvia	100	56.1	15.6	58.0	47.0	67.0	53.9	54.8	15.7	56.0	46.0	67.0	46.1	57.6	15.3	60.0	48.0	68.0
Lithuania																		
North Macedonia	100	59.8	13.8	61.0	52.0	69.0	60.1	59.4	13.6	61.0	51.0	69.0	39.9	60.6	14.0	62.0	53.0	70.0
Poland †	100						59.0						41.0					
Portugal †	100	67.5					61.0						39.0					
Russia	100						53.3						46.7					
Slovakia †	100	64.7	13.5	67.0	57.0	74.0	59.4	63.4	13.2	66.0	56.0	73.0	40.6	66.6	13.6	69.0	59.0	76.0
Spain	100	60.7	15.4	64.0	51.2	74.3	63.3	60.8	15.3	64.1	51.2	74.2	36.7	60.5	15.6	63.8	50.8	74.6
Turkey																		
Ukraine *	100	53.4	13.9	55.0	43.0	64.0	55.7	52.8	13.7	54.0	43.0	63.0	44.3	54.2	14.1	56.0	48.0	65.0

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

When cells are left empty, the data are unavailable

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

† Data include dialysis patients only

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

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	655.7	846.6	473.6
Belarus			
Cyprus			
Czech Republic			
Israel †	1159.4	1448.3	884.0
Italy (8 of 20 regions)	1137.6	1476.2	814.6
Kosovo	986.8	1059.3	917.6
Latvia	795.9	953.5	645.5
Lithuania			
North Macedonia	975.7	1178.6	782.1
Poland			
Portugal			
Russia			
Slovakia †	774.6	958.8	599.0
Spain ¶	1247.0	1620.0	891.3
Turkey			
Ukraine			

When cells are left empty, the data are unavailable

† Data include dialysis patients only

¶ Data is available for 60,181 patients (93.6%, total N=64311)

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	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type 1		Type 2		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	602.0	100	96.7	16.1	148.6	24.7	48.3	8.0	10.9	1.8	113.3	18.8	124.2	20.6	58.9	9.8	14.8	2.5	55.4	9.2	46.6	7.7	8.5	1.4
Belarus *	417.1	100	168.5	40.4	29.3	7.0	42.7	10.2	23.8	5.7	30.6	7.3	54.4	13.0	39.2	9.4	10.8	2.6	71.3	17.1	0.4	0.1	0.5	0.1
Cyprus																								
Czech Republic																								
Israel †	755.4	100	65.1	8.6	18.3	2.4	26.6	3.5	50.4	6.7	307.4	40.7	357.8	47.4	86.0	11.4	12.4	1.6	85.1	11.3	100.3	13.3	3.9	0.5
Italy (8 of 20 regions)	1276.0	100	246.6	19.3	67.3	5.3	115.6	9.1					133.4	10.5	132.1	10.4	37.0	2.9	138.6	10.9	314.3	24.6	91.1	7.1
Kosovo	469.3	100	14.8	3.2	160.6	34.2	24.3	5.2	11.3	2.4	135.7	28.9	147.0	31.3	62.8	13.4	26.1	5.6	20.7	4.4	13.0	2.8	0	0
Latvia	801.7	100	252.8	31.5	124.9	15.6	97.1	12.1					91.7	11.4	80.2	10.0	4.6	0.6	96.4	12.0	54.0	6.7	0	0
Lithuania																								
North Macedonia	892.5	100	136.8	15.3	67.9	7.6	84.8	9.5	9.6	1.1	148.8	16.7	158.5	17.8	232.6	26.1	9.2	1.0	88.1	9.9	114.6	12.8	0	0
Poland †	556.0	100	82.4	14.8	42.5	7.6	40.3	7.3	18.3	3.3	143.5	25.8	161.8	29.1	79.5	14.3	30.7	5.5	56.0	10.1	62.7	11.3	0.1	0
Portugal + & ‡	2008.4	100	170.7	8.5			81.0	4.0					359.5	17.9	172.9	8.6			258.6	12.9	243.0	12.1	15.9	0.8
Russia	411.0	100	133.5	32.5	47.5	11.6	45.1	11.0	26.5	6.4	48.3	11.7	74.8	18.2	49.2	12.0	7.1	1.7	48.5	11.8	5.3	1.3	0	0
Slovakia †	680.7	100	101.9	15.0	99.1	14.6	29.3	4.3					194.7	28.6	38.5	5.7	18.9	2.8	183.7	27.0	6.7	1.0	8.0	1.2
Spain ¶	1367.6	100	270.2	19.8	147.3	10.8	115.9	8.5					224.7	16.4	157.3	11.5			201.5	14.7	218.6	16.0	32.1	2.3
Turkey	1007.6	100	4.5	0.4	1.2	0.1	4.0	0.4	2.6	0.3	26.0	2.6	28.6	2.8	19.7	2.0	0.6	0.1	8.8	0.9	10.2	1.0	929.9	92.3
Ukraine * +	244.1	100	101.0	41.4	33.9	13.9	26.7	10.9	21.2	8.7	17.3	7.1	38.4	15.7	11.5	4.7			28.2	11.6	1.6	0.6	2.8	1.1

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

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 (64.8%, total N=20640)

¶ 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	
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Albania	1706	1308	0	0	0	0	1308	0	40	0	40	281	43	10	334	24
Belarus *	3948	1618	0	0	0	286	1904	17	206	0	223	93	1724	4	1821	0
Cyprus																
Czech Republic	11543	1312	33	0	4	4636	5985			318	318			5240	5240	0
Israel †	6839	5947	2	0	0	362	6311	238	289	1	528					0
Italy (8 of 20 regions)	28622	11683	52	0	369	3741	15845	1130	974	0	2104	746	9300	627	10673	0
Kosovo	792	694	0	0	0	0	694	0	0	0	0	98	0	0	98	0
Latvia	1040	358	0	0	0	0	358			97	97			585	585	0
Lithuania	2424	1416	0	0	0	0	1416	25	31	0	56			952	952	0
North Macedonia	1853	1607	1	0	0	0	1608	0	17	0	17	206	22	0	228	0
Poland †	21339	20555	0	0	0	0	20555			784	784					0
Portugal	20640			12523			12523			852	852	767	6498	0	7265	0
Russia	59106	42237	0	0	0	4075	46312	399	2336	0	2735	1720	6709	1630	10059	0
Slovakia †	3161	475	0	0	1	2611	3087	32	32	0	64					10
Spain	64311			25948			25948			3172	3172			35191	35191	0
Turkey	83783	58062	678	919	15	1667	61341	2243	1049	0	3292			19150	19150	0
Ukraine *	10250	5448	0	0	0	2421	7869	161	761	0	922	905	444	110	1459	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	602.0	461.6	0	0	0	0	461.6	0	14.1	0	14.1	99.2	15.2	3.5	117.9	8.5
Belarus *	417.1	170.9	0	0	0	30.2	201.1	1.8	21.8	0	23.6	9.8	182.1	0.4	192.4	0
Cyprus																
Czech Republic	1101.4	125.2	3.1	0	0.4	442.4	571.1			30.3	30.3			500.0	500.0	0
Israel †	755.4	656.9	0.2	0	0	40.0	697.1	26.3	31.9	0.1	58.3					0
Italy (8 of 20 regions)	1276.0	520.8	2.3	0	16.5	166.8	706.4	50.4	43.4	0	93.8	33.3	414.6	28.0	475.8	0
Kosovo	469.3	411.2	0	0	0	0	411.2	0	0	0	0	58.1	0	0	58.1	0
Latvia	801.7	276.0	0	0	0	0	276.0			74.8	74.8			451.0	451.0	0
Lithuania	867.5	506.8	0	0	0	0	506.8	8.9	11.1	0	20.0			340.7	340.7	0
North Macedonia	892.5	774.1	0.5	0	0	0	774.5	0	8.2	0	8.2	99.2	10.6	0	109.8	0
Poland †	556.0	535.5	0	0	0	0	535.5			20.4	20.4					0
Portugal	2008.4			1218.6			1218.6			82.9	82.9	74.6	632.3	0	706.9	0
Russia	411.0	293.7	0	0	0	28.3	322.0	2.8	16.2	0	19.0	12.0	46.7	11.3	69.9	0
Slovakia †	680.7	102.3	0	0	0.2	562.2	664.7	6.9	6.9	0	13.8					2.2
Spain	1367.6			551.8			551.8			67.5	67.5			748.3	748.3	0
Turkey	1007.6	698.2	8.2	11.1	0.2	20.0	737.7	27.0	12.6	0	39.6			230.3	230.3	0
Ukraine *	244.1	129.8	0	0	0	57.7	187.4	3.8	18.1	0	22.0	21.6	10.6	2.6	34.8	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	76.7	0	0	0	0	76.7	0	2.3	0	2.3	16.5	2.5	0.6	19.6	1.4
Belarus *	100	41.0	0	0	0	7.2	48.2	0.4	5.2	0	5.6	2.4	43.7	0.1	46.1	0
Cyprus																
Czech Republic	100	11.4	0.3	0	0	40.2	51.8			2.8	2.8			45.4	45.4	0
Israel †	100	87.0	0	0	0	5.3	92.3	3.5	4.2	0	7.7					0
Italy (8 of 20 regions)	100	40.8	0.2	0	1.3	13.1	55.4	3.9	3.4	0	7.4	2.6	32.5	2.2	37.3	0
Kosovo	100	87.6	0	0	0	0	87.6	0	0	0	0	12.4	0	0	12.4	0
Latvia	100	34.4	0	0	0	0	34.4			9.3	9.3			56.3	56.3	0
Lithuania	100	58.4	0	0	0	0	58.4	1.0	1.3	0	2.3			39.3	39.3	0
North Macedonia	100	86.7	0.1	0	0	0	86.8	0	0.9	0	0.9	11.1	1.2	0	12.3	0
Poland †	100	96.3	0	0	0	0	96.3			3.7	3.7					0
Portugal	100			60.7			60.7			4.1	4.1	3.7	31.5	0	35.2	0
Russia	100	71.5	0	0	0	6.9	78.4	0.7	4.0	0	4.6	2.9	11.4	2.8	17.0	0
Slovakia †	100	15.0	0	0	0	82.6	97.7	1.0	1.0	0	2.0					0.3
Spain	100			40.3			40.3			4.9	4.9			54.7	54.7	0
Turkey	100	69.3	0.8	1.1	0	2.0	73.2	2.7	1.3	0	3.9			22.9	22.9	0
Ukraine *	100	53.2	0	0	0	23.6	76.8	1.6	7.4	0	9.0	8.8	4.3	1.1	14.2	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	32	100	32	100	0	0	0	0	32	100	0	0	0	0
Belarus *	298	100					4	1.3	4	1.3	294	98.7	0	0
Cyprus	15	100	6	40.0	3	20.0	0	0	9	60.0	6	40.0	0	0
Czech Republic	510	100					49	9.6	49	9.6	461	90.4	0	0
Israel	454	100					246	54.2	246	54.2	163	35.9	45	9.9
Italy (8 of 20 regions)	870	100	55	6.3	29	3.3	0	0	84	9.7	782	89.9	4	0.5
Kosovo	10	100	10	100	0	0	0	0	10	100	0	0	0	0
Latvia	37	100	5	13.5	1	2.7	0	0	6	16.2	31	83.8	0	0
Lithuania	103	100					7	6.8	7	6.8	96	93.2	0	0
North Macedonia	20	100	12	60.0	2	10.0	0	0	14	70.0	6	30.0	0	0
Poland	983	100					52	5.3	52	5.3	907	92.3	24	2.4
Portugal	514	100					75	14.6	75	14.6	439	85.4	0	0
Russia	1473	100	183	12.4	0	0	0	0	183	12.4	1290	87.6	0	0
Slovakia +	197	100	11	5.6	10	5.1	0	0	21	10.7	176	89.3	0	0
Spain □	3423	100	302	8.8	33	1.0	0	0	335	9.8	3088	90.2	0	0
Turkey	3858	100	2770	71.8	283	7.3	0	0	3053	79.1	805	20.9	0	0
Ukraine *	128	100	67	52.3	4	3.1	0	0	71	55.5	57	44.5	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	11.3	11.3	0	0	11.3	0
Belarus *	31.5			0.4	0.4	31.1
Cyprus	16.9	6.8	3.4	0	10.1	6.8
Czech Republic	48.7			4.7	4.7	44.0
Israel	50.1			27.2	27.2	18.0
Italy (8 of 20 regions)	38.8	2.5	1.3	0	3.7	34.9
Kosovo	5.9	5.9	0	0	5.9	0
Latvia	28.5	3.9	0.8	0	4.6	23.9
Lithuania	36.9			2.5	2.5	34.4
North Macedonia	9.6	5.8	1.0	0	6.7	2.9
Poland	25.6			1.4	1.4	23.6
Portugal	50.0			7.3	7.3	42.7
Russia	10.2	1.3	0	0	1.3	9.0
Slovakia +	42.4	2.4	2.2	0	4.5	37.9
Spain □	72.8	6.4	0.7	0	7.1	65.7
Turkey	46.4	33.3	3.4	0	36.7	9.7
Ukraine *	3.0	1.6	0.1	0	1.7	1.4

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 RRT in paediatric patients are based on data from 27 registries from 17 countries that provided individual patient data on children via the ERA-EDTA 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 (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (Murcia), Spain (La Rioja), Spain (Valencian Region), Sweden, Switzerland, the Netherlands, and United Kingdom (Scotland). In the analyses the data collected between 2014 and 2019 were used. As not all countries provided data over the complete period or had a complete coverage over the entire follow-up and to allow for comparison over the years, data are shown both including and excluding the data from Montenegro, Norway, Romania, Serbia, Switzerland, and the Netherlands. The methods that were applied to the data on paediatric patients were similar to those applied to the data on adult patients 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
2014	34695	8539	8924	8654	8578
2015	34641	8431	8944	8687	8578
2016	34720	8312	8979	8760	8669
2017	34654	8194	8931	8829	8699
2018	34635	8092	8872	8921	8750
2019	34678	7994	8793	9047	8844
2014 *	43933	10696	11230	11027	10979
2015 *	45456	10976	11643	11425	11411
2016 *	46672	11134	11951	11781	11806
2017 *	46472	11006	11854	11815	11797
2018 *	46508	10936	11792	11926	11855
2019 *	46596	10855	11706	12080	11955
2014-2019 *	275638	65602	70176	70055	69804

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

D2 INCIDENT PATIENTS ACCEPTED FOR RRT, 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
2014-2015	588	127	84	145	232
2016-2017	629	137	95	152	245
2018-2019	563	105	75	127	256
2014-2015 *	678	153	100	161	264
2016-2017 *	740	158	107	184	291
2018-2019 *	735	135	95	169	336
2014-2019 *	2153	446	302	514	891

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

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
2014-2015	276	169	136	31	82	10	28	26	30	82	21	39	135	40	57
2016-2017	329	141	156	55	68	14	46	18	28	68	27	57	160	28	57
2018-2019	283	130	145	34	55	14	32	16	27	70	22	33	147	37	71
2014-2015 *	302	193	176	36	93	20	33	30	37	89	23	46	144	47	73
2016-2017 *	378	158	201	61	75	22	48	21	35	85	30	69	184	32	75
2018-2019 *	378	165	187	42	71	20	44	20	31	97	29	41	195	45	95
2014-2019 * †	1058	516	564	139	239	62	125	71	103	271	82	156	523	124	243

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

† For 15 patients information on treatment modality at start was unavailable

Table D.2.3
Incident counts by age and primary renal disease
between 2014 and 2019, at day 1

	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	675	149	109	189	228
Glomerulonephritis	374	75	53	71	175
Cystic kidney disease	230	53	41	75	61
Hereditary Nephropathy	205	67	25	36	77
Ischaemic Renal Failure	35	6	5	10	14
HUS	54	17	11	11	15
Metabolic disorders	41	7	4	13	17
Vasculitis	45		2	10	33
Miscellaneous	230	49	26	34	121
Missing, unknown	264	23	26	65	150

Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

D2 INCIDENT PATIENTS ACCEPTED FOR RRT, 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
2014-2015	8.5	7.5	4.7	8.4	13.5
2016-2017	9.1	8.3	5.3	8.6	14.1
2018-2019	8.1	6.5	4.2	7.1	14.6
2014-2015 *	7.6	7.1	4.4	7.2	11.8
2016-2017 *	7.9	7.1	4.5	7.8	12.3
2018-2019 *	7.9	6.2	4.0	7.0	14.1
2014-2019 *	7.8	6.8	4.3	7.3	12.8

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

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
2014-2015	4.0	2.4	2.0	1.8	4.8	0.6	1.6	1.5	1.7	4.7	1.2	2.2	7.9	2.3	3.3
2016-2017	4.7	2.0	2.2	3.3	4.1	0.8	2.6	1.0	1.6	3.9	1.5	3.2	9.2	1.6	3.3
2018-2019	4.1	1.9	2.1	2.1	3.4	0.9	1.8	0.9	1.5	3.9	1.2	1.8	8.4	2.1	4.0
2014-2015 *	3.4	2.2	2.0	1.7	4.3	0.9	1.4	1.3	1.6	4.0	1.0	2.0	6.4	2.1	3.3
2016-2017 *	4.1	1.7	2.2	2.8	3.4	1.0	2.0	0.9	1.5	3.6	1.3	2.9	7.8	1.4	3.2
2018-2019 *	4.1	1.8	2.0	1.9	3.3	0.9	1.9	0.9	1.3	4.0	1.2	1.7	8.2	1.9	4.0
2014-2019 * †	3.8	1.9	2.0	2.1	3.6	0.9	1.8	1.0	1.5	3.9	1.2	2.2	7.5	1.8	3.5

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

† For 15 patients information on treatment modality at start was unavailable

Table D.2.6
Incidence per million age-related population by age and primary renal disease
between 2014 and 2019, at day 1

	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	2.4	2.3	1.6	2.7	3.3
Glomerulonephritis	1.4	1.1	0.8	1.0	2.5
Cystic kidney disease	0.8	0.8	0.6	1.1	0.9
Hereditary Nephropathy	0.7	1.0	0.4	0.5	1.1
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	0.1	0.2	0.2
Vasculitis	0.2		0.0	0.1	0.5
Miscellaneous	0.8	0.7	0.4	0.5	1.7
Missing, unknown	1.0	0.4	0.4	0.9	2.1

Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

D3 PREVALENT PATIENTS ON RRT

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
2014	2085	175	359	589	962
2015	2121	179	366	602	974
2016	2184	185	371	598	1030
2017	2221	178	383	606	1054
2018	2235	189	360	631	1055
2019	2210	167	371	619	1053
2014 *	2395	197	421	673	1104
2015 *	2435	208	432	687	1108
2016 *	2557	210	457	697	1193
2017 *	2706	206	467	734	1299
2018 *	2723	224	444	753	1302
2019 *	2773	212	461	780	1320

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

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
2014	281	143	1615	31	63	74	33	26	295	68	21	486	149	33	760
2015	297	143	1640	34	61	80	47	28	287	76	24	489	140	30	784
2016	294	160	1684	40	63	78	51	23	292	59	37	486	144	37	828
2017	291	155	1734	38	53	85	46	30	303	66	34	498	141	38	848
2018	286	158	1754	30	62	94	37	29	292	72	32	519	147	35	849
2019	297	139	1755	29	53	85	45	24	301	79	28	509	144	34	860
2014 *	304	156	1889	32	65	93	38	30	348	71	22	566	163	39	882
2015 *	319	161	1914	36	69	99	53	32	343	79	25	570	151	35	902
2016 *	325	177	2009	45	68	93	55	28	369	67	40	574	158	41	973
2017 *	382	193	2090	43	60	101	54	36	373	90	42	594	195	55	1022
2018 *	395	204	2086	34	76	111	49	37	356	103	43	599	209	48	1020
2019 *	408	187	2159	37	68	107	56	28	376	113	46	618	202	45	1058

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

Table D.3.3
Prevalent counts by age and primary renal disease
prevalent patients on December 31, 2019

	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	981	83	167	300	431
Glomerulonephritis	412	26	72	103	211
Cystic kidney disease	318	25	47	90	156
Hereditary Nephropathy	302	29	73	81	119
Ischaemic Renal Failure	53	3	6	23	21
HUS	95	7	14	25	49
Metabolic disorders	70	4	9	23	34
Vasculitis	28	0	1	7	20
Miscellaneous	249	26	40	60	123
Missing, unknown	265	9	32	68	156

Including data from all countries, also those with incomplete coverage

D3 PREVALENT PATIENTS ON RRT

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
2014	60.1	20.5	40.2	68.1	112.1
2015	61.2	21.2	40.9	69.3	113.5
2016	62.9	22.3	41.3	68.3	118.8
2017	64.1	21.7	42.9	68.6	121.2
2018	64.5	23.4	40.6	70.7	120.6
2019	63.7	20.9	42.2	68.4	119.1
2014 *	54.5	18.4	37.5	61.0	100.6
2015 *	53.6	19.0	37.1	60.1	97.1
2016 *	54.7	18.8	38.2	59.1	100.9
2017 *	58.0	18.7	39.3	61.9	109.7
2018 *	58.4	20.4	37.6	63.0	109.5
2019 *	59.4	19.5	39.3	64.4	110.1

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

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
2014	8.1	4.1	46.5	3.6	7.4	8.7	3.7	2.9	33.1	7.9	2.4	56.2	17.4	3.8	88.6
2015	8.6	4.1	47.3	4.0	7.2	9.5	5.3	3.1	32.1	8.7	2.8	56.3	16.3	3.5	91.4
2016	8.5	4.6	48.5	4.8	7.6	9.4	5.7	2.6	32.5	6.7	4.2	55.5	16.6	4.3	95.5
2017	8.4	4.5	50.0	4.6	6.5	10.4	5.2	3.4	33.9	7.5	3.9	56.4	16.2	4.4	97.5
2018	8.3	4.6	50.6	3.7	7.7	11.6	4.2	3.3	32.9	8.1	3.6	58.2	16.8	4.0	97.0
2019	8.6	4.0	50.6	3.6	6.6	10.6	5.1	2.7	34.2	8.7	3.1	56.3	16.3	3.8	97.2
2014 *	6.9	3.6	43.0	3.0	6.1	8.7	3.4	2.7	31.0	6.4	2.0	51.3	14.8	3.6	80.3
2015 *	7.0	3.5	42.1	3.3	6.3	9.0	4.6	2.7	29.5	6.9	2.2	49.9	13.2	3.1	79.0
2016 *	7.0	3.8	43.0	4.0	6.1	8.3	4.6	2.3	30.8	5.7	3.4	48.6	13.4	3.5	82.3
2017 *	8.2	4.1	44.8	3.9	5.4	9.1	4.5	3.0	31.4	7.6	3.5	50.1	16.5	4.6	86.3
2018 *	8.5	4.4	44.7	3.1	6.9	10.1	4.1	3.1	30.1	8.6	3.6	50.1	17.6	4.0	85.8
2019 *	8.7	4.0	46.2	3.4	6.2	9.8	4.8	2.4	32.0	9.3	3.8	51.0	16.9	3.8	88.3

* Including data from Montenegro since 2018, Norway (coverage 100% from 2014 to 2018, and 99.9% in 2019), Romania (coverage from 99.2% in 2014 to 98.6% in 2019), Serbia since 2016 (coverage 100% in 2016, 97% in 2017, and 90% in 2018 and 2019), Switzerland since 2015 (coverage 99.9% in 2015 and 100% in 2016 to 2019), 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 and 2019, and 100% in all other years)

Table D.3.6
Prevalence per million age-related population by age and primary renal disease
prevalent patients on December 31, 2019

	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	21.0	7.6	14.2	24.8	36.0
Glomerulonephritis	8.8	2.4	6.1	8.5	17.6
Cystic kidney disease	6.8	2.3	4.0	7.4	13.0
Hereditary Nephropathy	6.5	2.7	6.2	6.7	9.9
Ischaemic Renal Failure	1.1	0.3	0.5	1.9	1.8
HUS	2.0	0.6	1.2	2.1	4.1
Metabolic disorders	1.5	0.4	0.8	1.9	2.8
Vasculitis	0.6		0.1	0.6	1.7
Miscellaneous	5.3	2.4	3.4	5.0	10.3
Missing, unknown	5.7	0.8	2.7	5.6	13.0

Including data from all countries, also those with incomplete coverage

Methods

VI Methods

The ERA-EDTA 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-EDTA Registry is located.

Data collection

On an annual basis data sets containing individual patient data are uploaded to the ERA-EDTA 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-EDTA 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 RRT	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-EDTA 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), Spain (Navarre) and the United Kingdom (England/Northern Ireland/Wales) 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 RRT on day 91, registries were asked to provide data with follow-up until 31st March 2020. For the following registries data were only available until 31st December 2019: France, Montenegro, Spain (Canary Islands), Spain (Castile and León), Spain (Catalonia), Spain (La Rioja), 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 uniformed 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-EDTA Registry database. In this way changes in the data sets made by the national and regional registries were adopted by the ERA-EDTA 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-EDTA Registry Annual Report.

ERA-EDTA Registry database

Microsoft SQL Server (a database management system) was used to manage the ERA-EDTA 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 2019
Austria	https://www.statistik.at/
Belgium, Dutch-speaking	https://ec.europa.eu/eurostat/
Belgium, French-speaking	https://ec.europa.eu/eurostat/
Bosnia and Herzegovina	http://www.popis2013.ba/
Denmark	https://ec.europa.eu/eurostat/
Greenland	http://www.stat.gl/
Estonia	https://ec.europa.eu/eurostat/
Finland	https://ec.europa.eu/eurostat/
France	https://ec.europa.eu/eurostat/
Greece	https://ec.europa.eu/eurostat/
Iceland	https://ec.europa.eu/eurostat/
Montenegro	https://ec.europa.eu/eurostat/
Norway	https://ec.europa.eu/eurostat/
Romania	https://ec.europa.eu/eurostat/
Serbia	https://ec.europa.eu/eurostat/
Spain, Andalusia	https://www.ine.es/
Spain, Aragon	https://www.ine.es/
Spain, Asturias	https://www.ine.es/
Spain, Basque country	https://www.ine.es/
Spain, Canary Islands	https://www.ine.es/
Spain, Cantabria	https://www.ine.es/
Spain, Castile and León	https://www.ine.es/
Spain, Castile-La Mancha	https://www.ine.es/
Spain, Catalonia	https://www.ine.es/
Spain, Community of Madrid	https://www.ine.es/
Spain, Extremadura	https://www.ine.es/
Spain, Galicia	https://www.ine.es/
Spain, La Rioja	https://www.ine.es/
Spain, Murcia	https://www.ine.es/
Spain, Navarre	https://www.ine.es/
Spain, Valencian Region	https://www.ine.es/
Sweden	https://ec.europa.eu/eurostat/
Switzerland	https://ec.europa.eu/eurostat/
the Netherlands	https://ec.europa.eu/eurostat/
United Kingdom, England/Northern Ireland/Wales	https://www.ons.gov.uk/
United Kingdom, Scotland	https://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-EDTA 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, Cyprus, Czech Republic, Israel, Italy, Kosovo*, Latvia, Lithuania, North Macedonia, Poland, Portugal, Russia, Slovakia, Spain, Turkey, and Ukraine.

Data from Italy are based on eight of the 20 regions: Calabria, Emilia-Romagna, Friuli Venezia Giulia, Liguria, Marche, Piedmont, Puglia, 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-EDTA 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-EDTA 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-EDTA 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 2019, 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 RRT 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, 2019, the incidence of RRT 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 RRT in the first nine months of 2019, when compared to patients who started RRT in the last three months of 2019.

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 RRT, 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, 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-EDTA 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 RRT on those days. For the analysis of survival data two five-year cohorts were used:

- 2010-2014 - for the presentation of 90-day, one-, two- and five-year survival probabilities.
- 2013-2017 - for the presentation of 90-day, one- and two-year survival probabilities.

31st December 2019 was applied as censoring date for all survival analyses. Only for the United Kingdom (England/Wales/ Northern Ireland) 31st December 2017 was applied as censoring date. For the different types of survival analysis the events, competing events and censoring were defined as shown in Table 5.

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

Survival type	Event	Competing event	Censoring
Patients on renal 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	Transplantation	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 RRT 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 renal 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 RRT 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 2015 to 2019. 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, 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-EDTA Registry may be partly due to differences in participating countries.

RRT population

The expected remaining lifetimes for RRT 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 RRT 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 27 national or regional registries from 17 countries that provided complete individual patient data in their paediatric population for 2014 to 2019, 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 (Catalonia), Spain (Community of Madrid), Spain (Extremadura), Spain (Galicia), Spain (La Rioja), Spain (Murcia), Spain (Valencian Region), Sweden, Switzerland, the Netherlands, and United Kingdom (Scotland). For Norway the coverage was 99.9% in 2019 and 100% in all the other years, For Romania the coverage decreased from 100% in 2013 to 98.6% in 2019, 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 and 96% for the prevalence in 2018 and 2019, and 100% in all other years, for Switzerland the coverage was 99.9% in 2015 and 100% in 2016 to 2019, and for Serbia the coverage decreased from 100% in 2016 to 90% in 2019.

Switzerland provided data since 2015, Serbia 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 RRT were calculated for subgroups based on age, treatment modality, and primary renal disease. Incidence on RRT by 2-year cohorts was presented for paediatric patients who started RRT between 2014 and 2019. The cohorts 2014-2015, 2016-2017 and 2018-2019 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 RRT (Pmarp) 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 2018 plus the total population in 2019) 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 RRT was presented on 31st December of each year from 2014 to 2019 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 RRT by primary renal disease was calculated for patients prevalent on 31st December, 2019.

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Appendices

Appendix 1 - Grouping of primary renal diseases

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

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

Appendix 2 - Grouping of primary renal disease codes 2018

I: GLOMERULAR DISEASE

Code Primary renal disease

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

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

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

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

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

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

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

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

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

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

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

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

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

VII: MISCELLANEOUS RENAL DISORDERS

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

Appendix 3 - Grouping of causes of death

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

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

Appendix 4 - Event type codes

Event code	Event
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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	+	+	+	-	+
Cyprus	-	-	-	+	-
Czech Republic	-	-	-	+	-
Denmark	+	+	+	-	+
Estonia	+	-	-	-	+
Finland	+	+	+	-	+
France	+	+	+	-	+
Greece	+	+	+	-	+
Iceland	+	+	+	-	+
Israel	-	-	-	+	-
Italy (8 of 20 regions)	-	-	-	+	-
Kosovo	-	-	-	+	-
Latvia	-	-	-	+	-
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	-	-	-	+	-
Ukraine	-	-	-	+	-
United Kingdom, England	+	+	+	-	-
United Kingdom, Northern Ireland	+	+	+	-	-
United Kingdom, Scotland	+	+	+	-	+
United Kingdom, Wales	+	+	+	-	-

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