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ERA-EDTA Registry
Annual Report 2016

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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
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

EU27: refers to the 27 countries of which until 30th June 2013 the European Union was comprised of. These countries are: Austria, Belgium, Bulgaria, 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 (2016).

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.

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 2016.

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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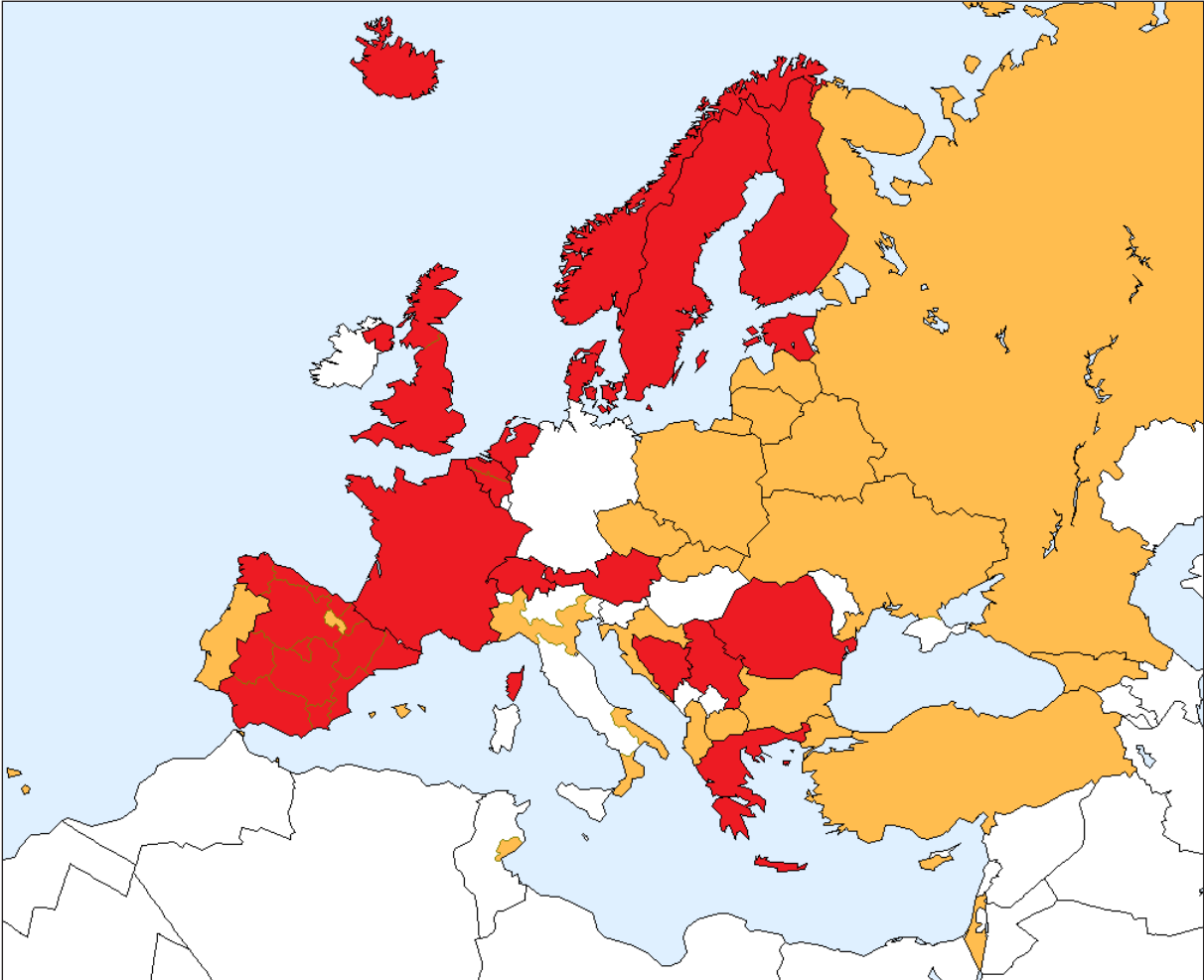
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Introduction

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registries contributing individual patient data
 registries contributing aggregated data

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BY	Belarus	NL	the Netherlands																																																																						
CH	Switzerland	NO	Norway																																																																						
CY	Cyprus	PL	Poland																																																																						
CZ	Czech Republic	PT	Portugal																																																																						
DK	Denmark	RO	Romania																																																																						
EE	Estonia	RS	Serbia																																																																						
ES	Spain	RU	Russia																																																																						
FI	Finland	SE	Sweden																																																																						
FR	France	SK	Slovakia																																																																						
GE	Georgia	TN	Tunisia																																																																						
GR	Greece	TR	Turkey																																																																						
HR	Croatia	UA	Ukraine																																																																						
IL	Israel	UK	United Kingdom																																																																						

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 2016 Annual Report data sets from 52 national or regional renal registries in 36 countries were used. The reference tables are presented in two parts: Section B relates to individual patient data from 32 national and regional registries from 17 countries (shown in red in Figure 1), whereas Section C relates to 20 national and regional registries from 20 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 tables and figures on sex comparisons were added. In A7 and B8 the incidence, prevalence, kidney transplant activity and survival are presented for men and women separately.

ERA-EDTA Registry website

The ERA-EDTA Registry annual reports and other information about the Registry can be downloaded from the ERA-EDTA Registry website: www.era-edta-reg.org. 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

Table A.1.1
Summary data on the incidence of RRT in 2016, unadjusted

	General population covered by the registry in thousands	Incidence in 2016, at day 1					
		All N	All Pmp	Mean Age	Median Age	DM N	DM Pmp
Albania	2860	252	88	52.6	52.2	50	17
Austria	8700	1155	133	64.4	67.3	305	35
Belarus	8172	504	62	53.0	54.0	92	11
Belgium, Dutch-speaking *	6509	1214	187	71.0	73.8	256	39
Belgium, French-speaking *	4822	906	188	67.3	69.3	202	42
Bosnia and Herzegovina	3531	397	112	62.2	63.9	131	37
Bulgaria	7102	1109	156			309	44
Croatia	3755	675	180	64.9	66.0	181	48
Cyprus	857	165	193	66.7	69.0	47	55
Czech Republic †	10262	2496	243				
Denmark	5784	740	128	63.3	67.4	192	33
Estonia	1316	112	85	59.7	61.6	19	14
Finland	5495	560	102	60.9	63.8	189	34
France	66860	11033	165	67.9	70.6	2566	38
Georgia	3720	754	203	60.4	61.9	187	50
Greece	10776	2702	251	70.8	73.6	710	66
Iceland	335	30	89	61.7	65.1	5	15
Israel	8545	1612	189	65.1	68.0	805	94
Italy (6 of 20 regions)	20921	3023	144	68.8	71.8	522	25
Latvia	1560	171	110	60.3	63.0	26	17
Lithuania	2888	310	107	61.8	62.5	52	18
Macedonia	2022	332	164	63.7	65.0	84	42
Norway	5235	556	106	63.1	66.5	88	17
Poland †	38362	5716	149			2098	55
Portugal	10358	2446	236			757	73
Romania	19505	3454	177	62.4	64.5	356	18
Russia †	143869	8521	59	54.3	57.0	1491	10
Serbia □	7058	618	88	62.0	64.6	139	20
Slovakia †	5435	835	154	64.6	66.0	316	58
Spain (All)	46558	6600	142	63.0	67.5	1610	35
Spain, Andalusia	8406	1133	135	63.5	66.0	294	35
Spain, Aragon	1317	165	125	63.5	67.3	39	30
Spain, Asturias	1041	188	181	64.8	66.6	41	39
Spain, Basque country	2166	284	131	63.4	65.4	57	26
Spain, Cantabria *	582	59	101	63.1	67.7	12	21
Spain, Castile and León *	2445	308	126	68.1	71.3	85	35
Spain, Castile-La Mancha *	2045	287	140	66.1	69.1	67	33
Spain, Catalonia	7523	1260	167	65.9	68.7	261	35
Spain, Extremadura	1088	120	110	65.6	66.6	34	31
Spain, Galicia	2715	399	147	66.0	68.7	102	38
Spain, Community of Madrid	6467	870	135	64.9	67.7	227	35
Spain, Region of Murcia	1465	202	138	63.3	65.3	47	32
Spain, Navarre *	639	82	128	64.7	67.2	21	33
Spain, Valencian region	4960	858	173	65.8	68.9	178	36
Sweden	9923	1204	121	64.0	67.9	324	33
Switzerland	8373	844	101	63.8	66.6	181	22
the Netherlands	16349	1906	117	64.2	67.4	368	23
Tunisia, Sfax region †	1213	193	159	60.5	63.0	62	51
Turkey ‡	79815	11169	140			787	10
Ukraine	42590	1246	29	49.7	51.0	303	7
United Kingdom, England * ¶	55268	6454	117	62.3	64.4	1618	29
United Kingdom, Northern Ireland *	1862	225	121	62.8	66.4	55	30
United Kingdom, Scotland	5405	571	106	59.2	61.6	171	32
United Kingdom, Wales *	3113	370	119	64.9	66.5	92	30
All countries	687084	83311	121	63.1	65.8	17757	29

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

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

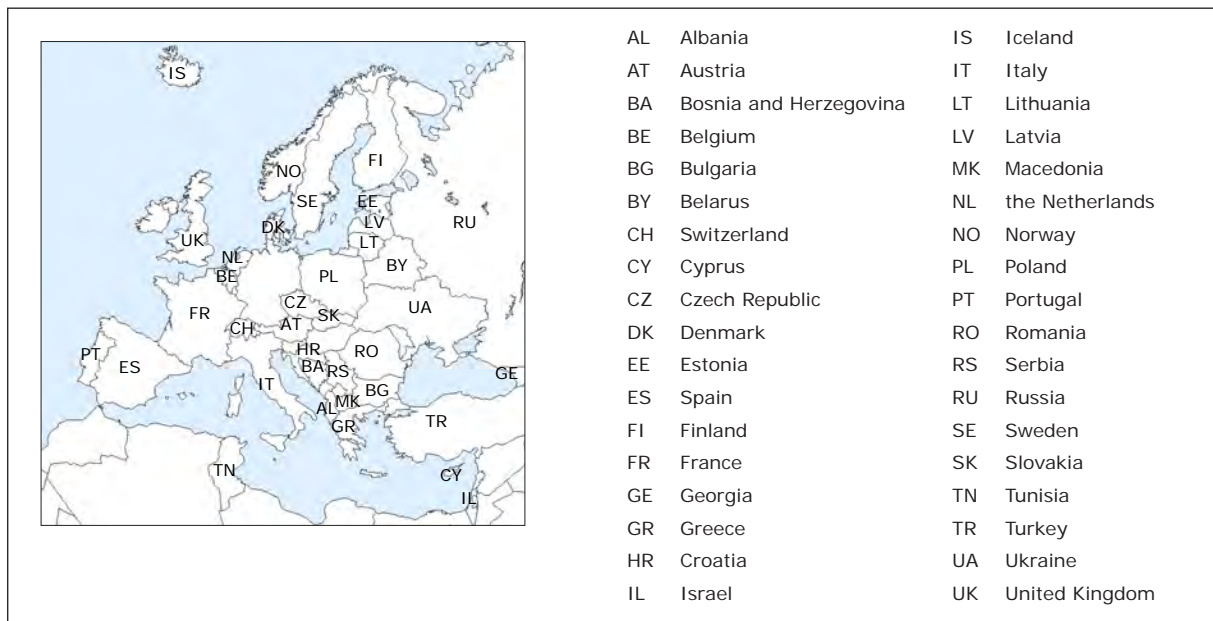
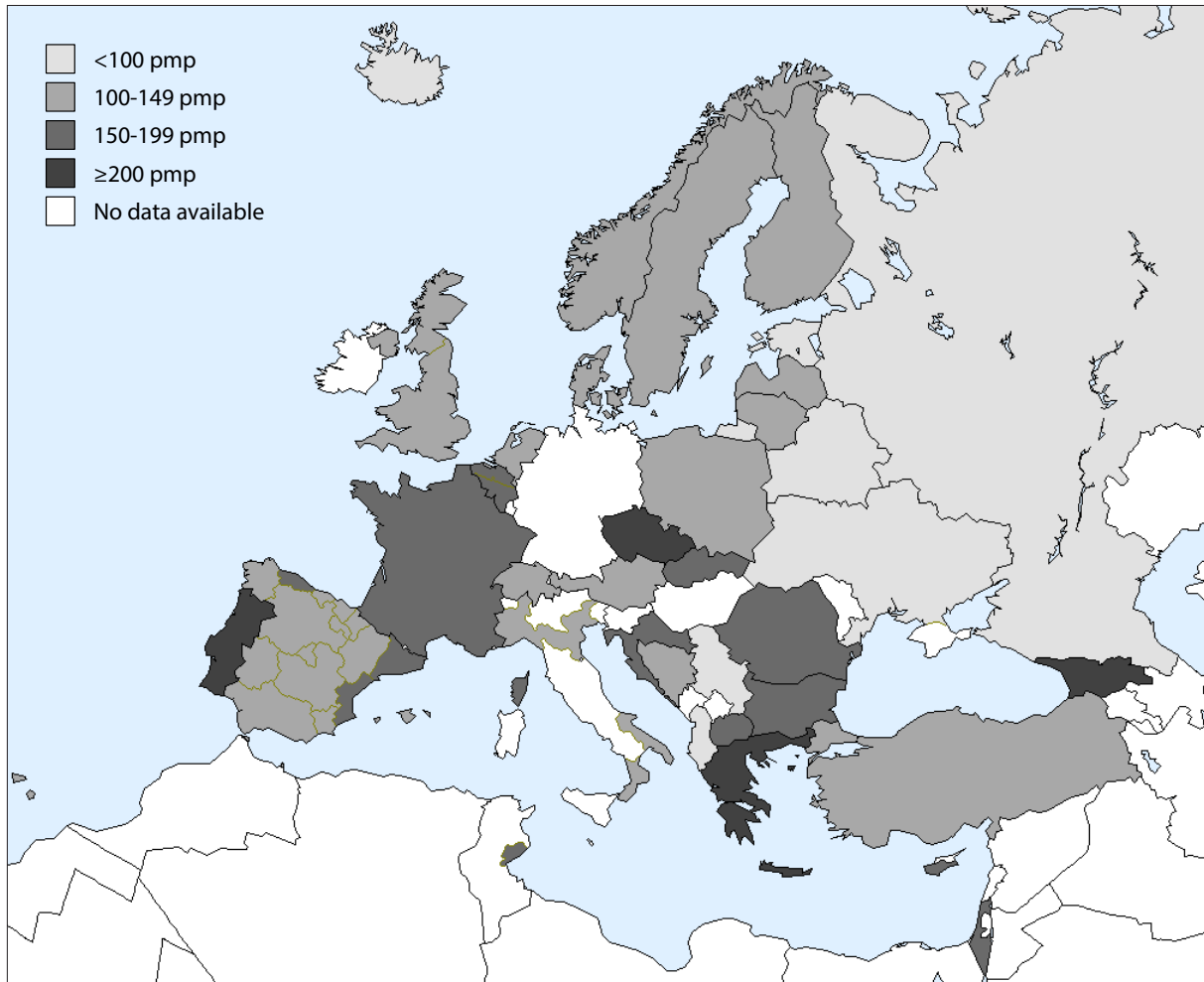
† Data on incidence include dialysis patients only

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

‡ Data on incidence of primary renal disease (DM) is based on 2078 dialysis patients (18.6% of total)

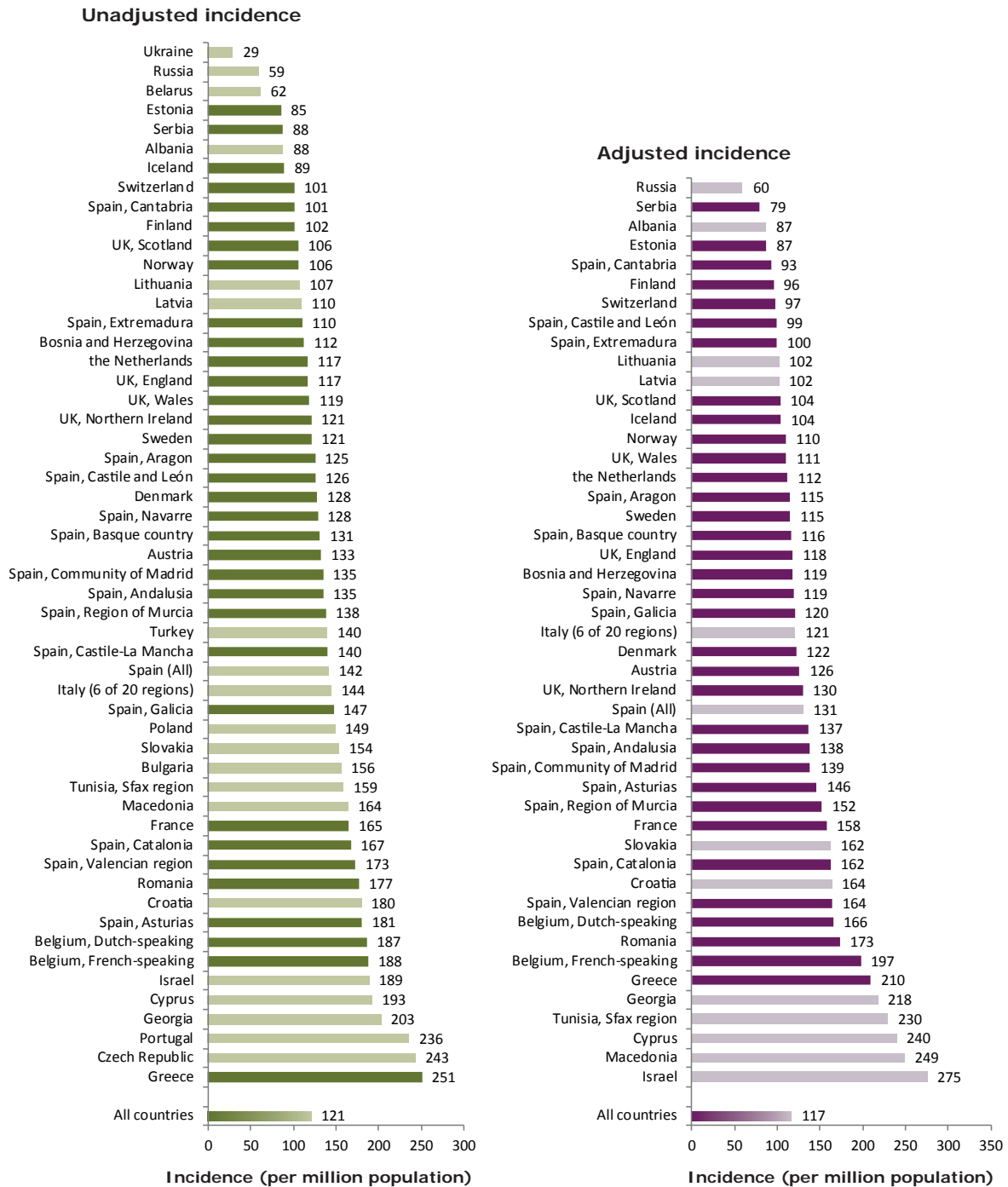
¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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

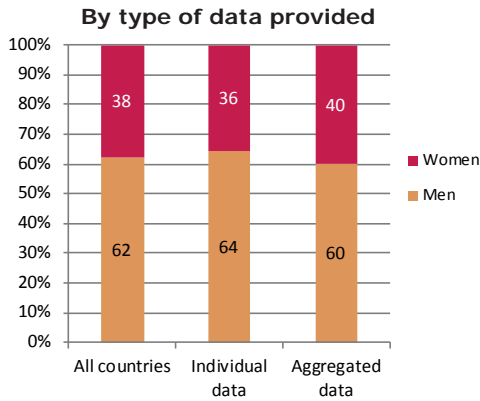


Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

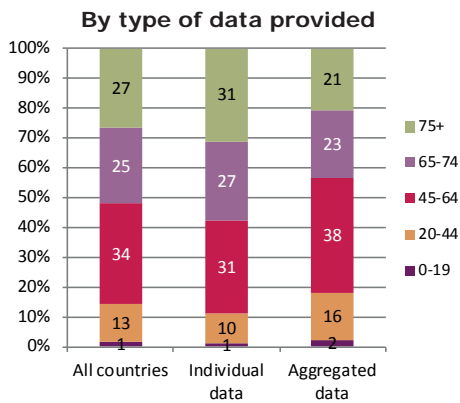
Detailed information on the contents of this figure can be found in tables B.2.2 and B.2.4 for registries providing individual patient data, and in tables C.2.2 and C.2.4 for registries providing aggregated data.

Adjustment of the incidence was performed by standardising the rates to the age and sex distribution of the EU27 population.

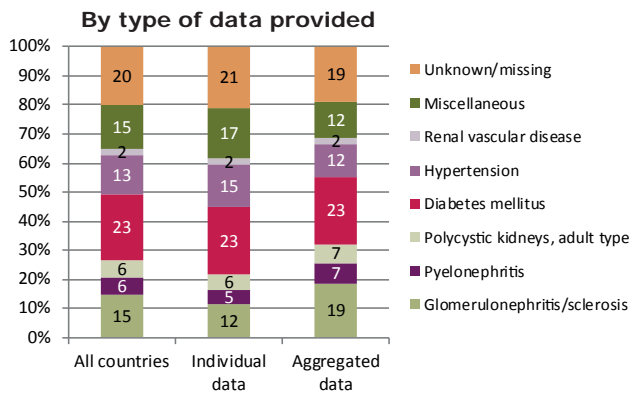
Figure A.1.3
Sex, age, and primary renal disease distribution by type of data provided
at day 1



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

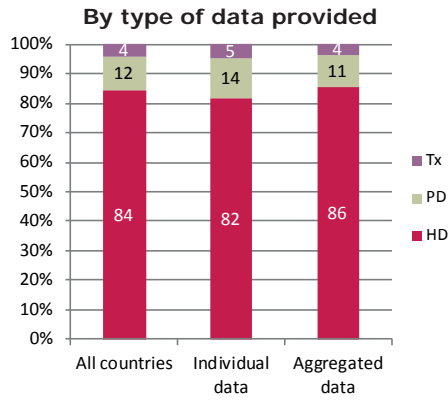


This figure summarizes the data presented in tables B.2.1 and C.2.1.



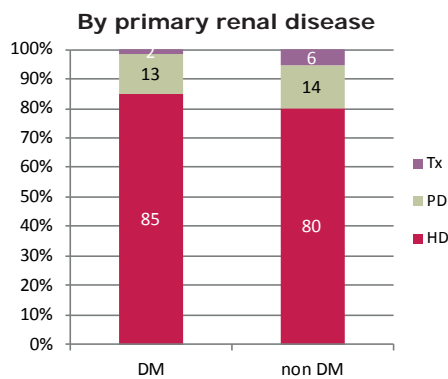
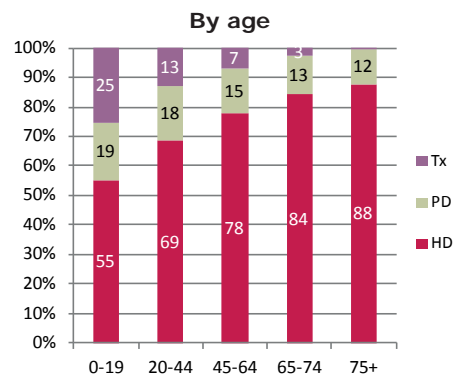
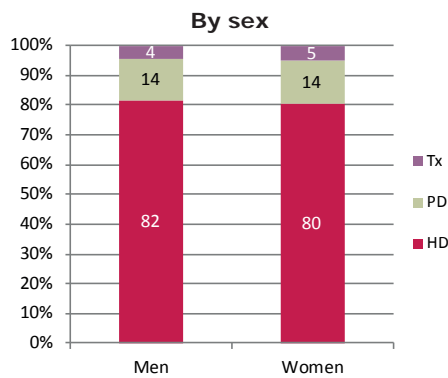
This figure summarizes the data presented in tables B.2.5 and C.2.5.

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.

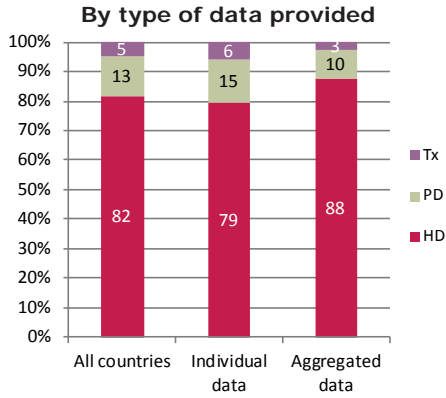
The figures below are only based on data from registries providing individual patient data



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

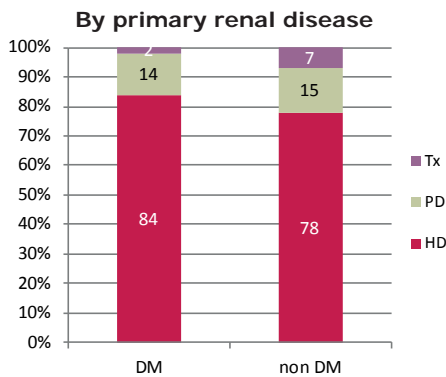
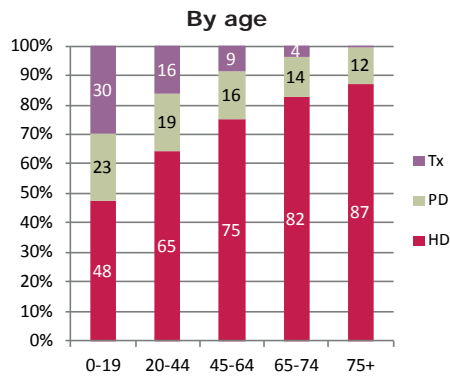
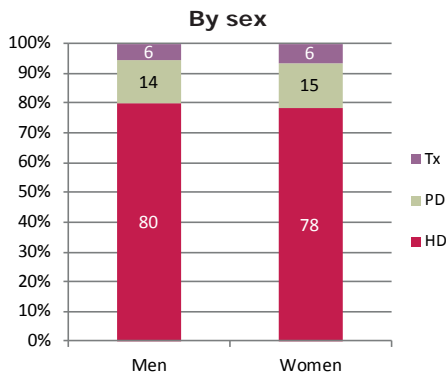
Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; DM: Diabetes Mellitus

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 2016, unadjusted

	General population covered by the registry in thousands	Prevalent patients on RRT in 2016					
		All N	All Pmp	Mean Age	Median Age	DM N	DM Pmp
Albania	2860	1450	507	49.6	50.7	230	80
Austria	8700	9397	1080	61.2	62.7	1848	212
Belarus	8172	2360	289	51.6	53.0	295	36
Belgium, Dutch-speaking *	6509	8257	1269	66.1	67.9	1426	219
Belgium, French-speaking *	4822	6317	1310	64.9	66.5	1109	230
Bosnia and Herzegovina	3531	2679	759	59.7	61.7	548	155
Bulgaria	7102	4333	610				
Croatia	3755	3908	1041	65.7	67.0	710	189
Cyprus	857						
Czech Republic	10262	11265	1098				
Denmark	5784	5433	939	58.8	60.4	929	161
Estonia	1316	919	698	57.9	58.6	168	128
Finland	5495	4861	885	59.2	61.5	1231	224
France	66860	85471	1278	62.8	64.6	13833	207
Georgia	3720	2652	713	60.1	61.2	539	145
Greece	10776	13841	1284	64.6	66.8	2637	245
Iceland	335	224	668	54.9	56.3	26	78
Israel &	8545	6566	768	66.0	68.0	3035	355
Italy (6 of 20 regions)	20921	24035	1149	62.0	64.1	2654	127
Latvia	1560	1038	665	56.3	57.0	98	63
Lithuania	2888	2193	759				
Macedonia	2022	1665	823	58.6	60.0	273	135
Norway	5235	4974	950	59.4	61.5	654	125
Poland	38362	31144	812			6132	160
Portugal	10358	19738	1906	66.9	67.9	3435	332
Romania //	19505	20445	1048	61.2	63.0	2051	105
Russia	143869	44544	310	55.5	57.0	5340	37
Serbia □	7058	3833	543	59.5	62.0	640	91
Slovakia &	5435	3370	620	63.8	66.0	1140	210
Spain (All)	46558	57433	1234	60.0	63.2	9031	194
Spain, Andalusia	8406	10019	1192	60.5	61.9	1548	184
Spain, Aragon	1317	1588	1205	62.9	64.0	274	208
Spain, Asturias	1041	1325	1273	63.0	63.5	215	207
Spain, Basque country	2166	2704	1249	62.0	63.8	304	140
Spain, Cantabria *	582	686	1179	62.6	64.0	91	156
Spain, Castile and León *	2445	2858	1169	64.8	65.8	505	207
Spain, Castile-La Mancha *	2045	2357	1153	62.5	63.3	373	182
Spain, Catalonia	7523	10523	1399	63.0	64.8	1499	199
Spain, Extremadura	1088	1263	1161	62.0	62.3	191	176
Spain, Galicia	2715	3619	1333	62.5	64.0	598	220
Spain, Community of Madrid	6467	7450	1152	61.9	63.2	1323	205
Spain, Region of Murcia	1465	1949	1331	62.1	63.3	274	187
Spain, Navarre *	639	837	1310	62.5	64.0	128	200
Spain, Valencian region	4960	6883	1388	63.3	65.2	933	188
Sweden	9923	9718	979	59.9	62.0	1742	176
Switzerland †	8373	7503	896	62.1	63.9	1159	138
the Netherlands	16349	17117	1047	60.5	62.4	2229	136
Tunisia, Sfax region &	1213	946	780	58.2	59.0	200	165
Turkey ‡	79815	74475	933			2719	34
Ukraine	42590	8019	188	49.5	51.0	1280	30
United Kingdom, England * ¶	55268	52641	952	58.8	59.2	8884	161
United Kingdom, Northern Ireland *	1862	1784	958	58.7	58.4	280	150
United Kingdom, Scotland	5405	5028	930	56.8	57.7	826	153
United Kingdom, Wales *	3113	3062	984	59.5	60.3	503	162
All countries	687084	564638	823	60.6	62.4	79834	134

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

* 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

|| The prevalence is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

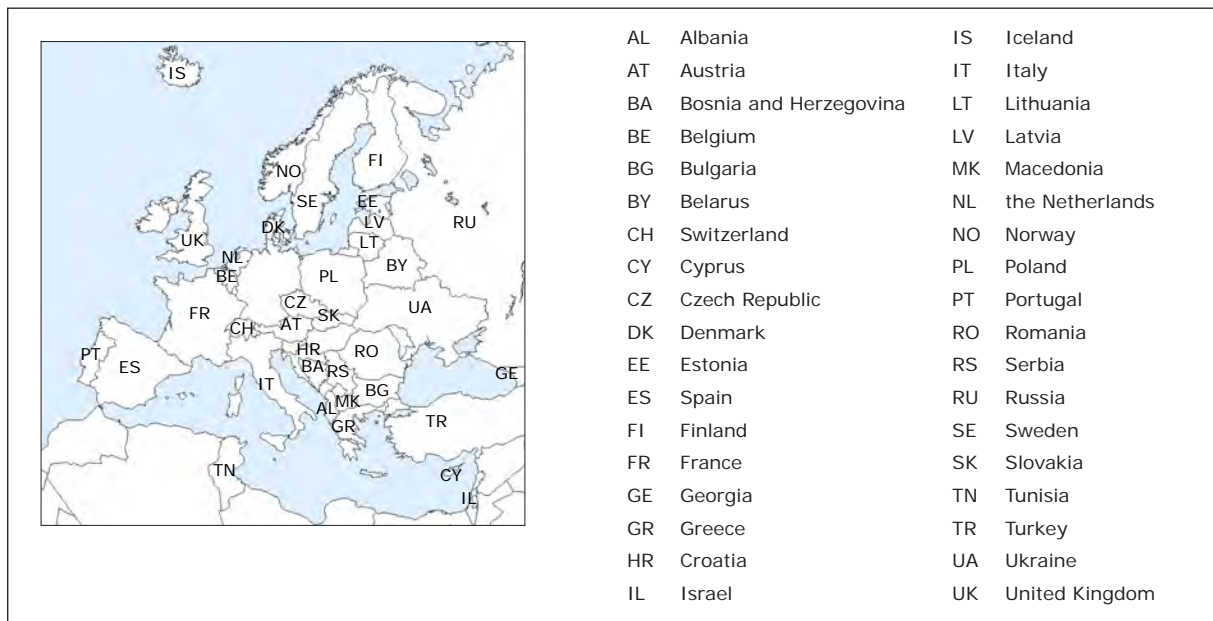
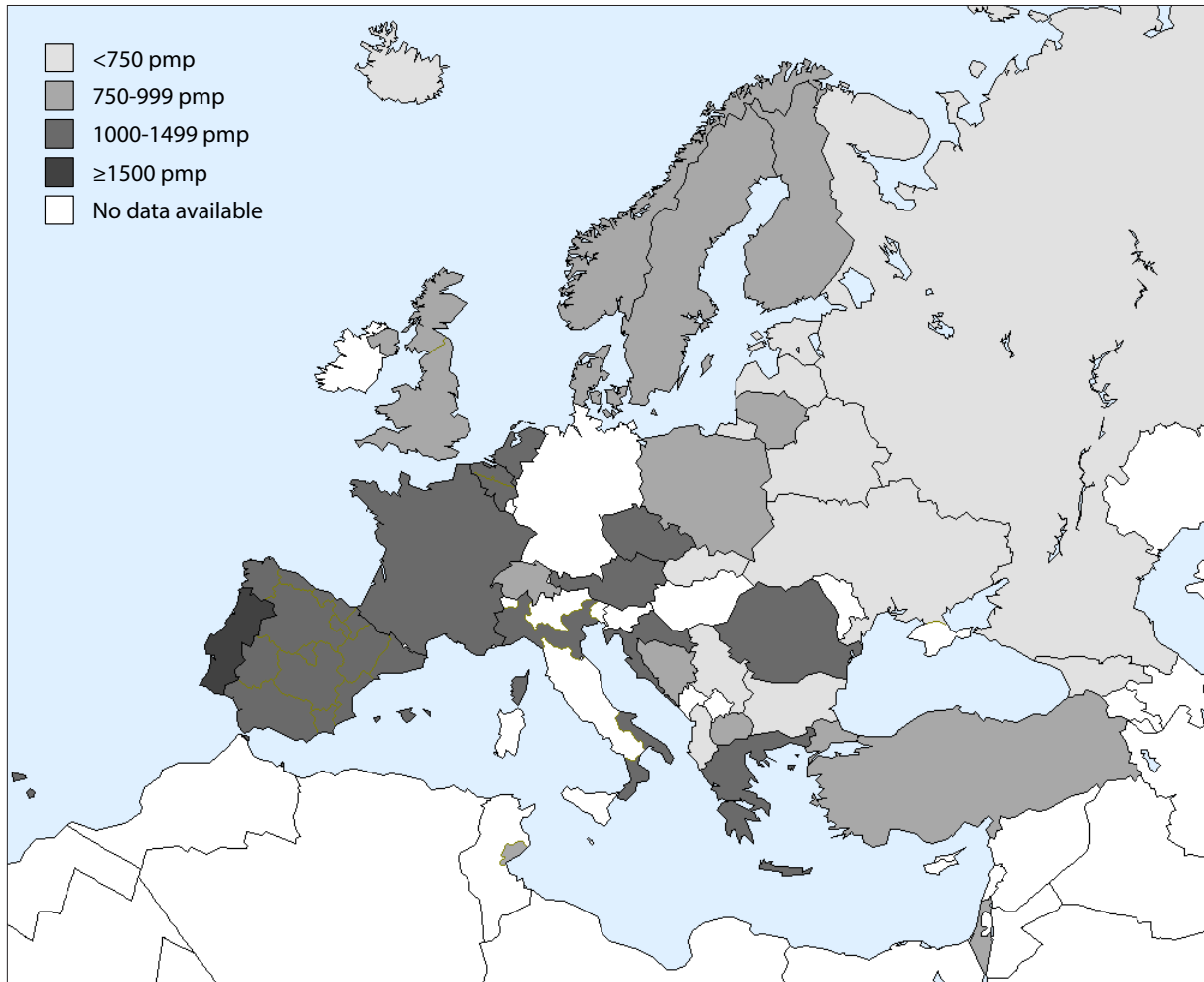
□ The prevalence is underestimated by approximately 29% due to centers not submitting complete data for 2016

† The prevalence is underestimated by approximately 6% due to an estimated 11% underreporting of patients living on a functioning graft

‡ Data on the prevalence of primary renal disease (DM) is based on 8043 dialysis patients (10.8% of total)

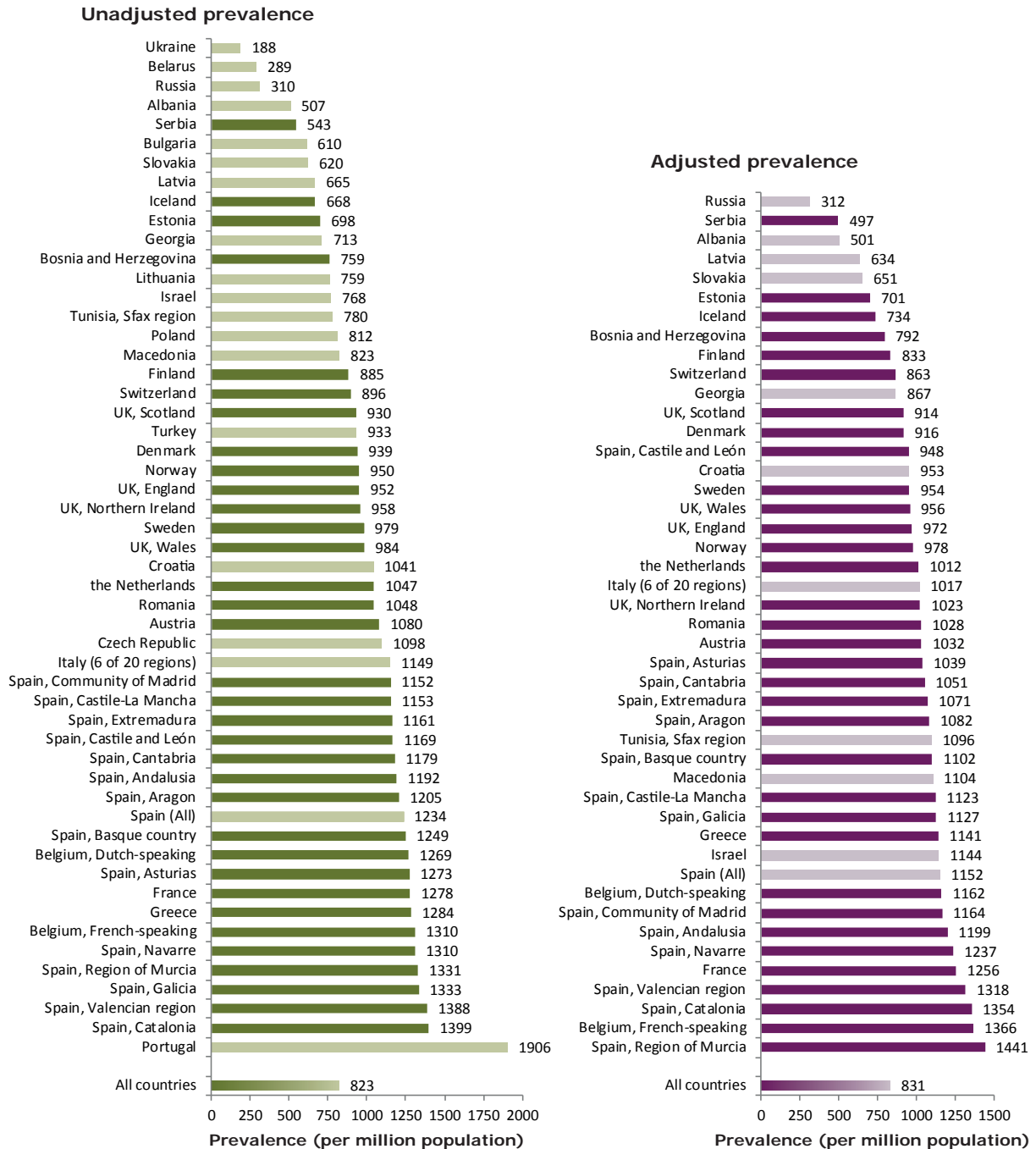
¶ The prevalence is underestimated by approximately 1% due to a small number of centres not submitting complete data for 2016

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

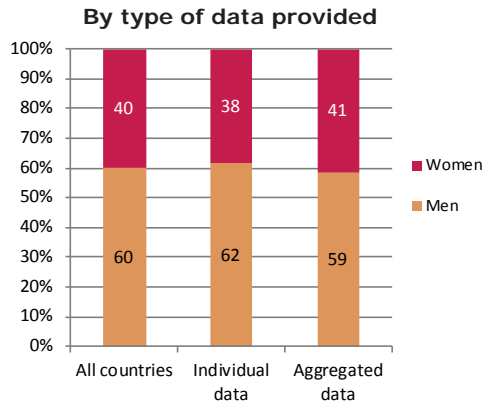


Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

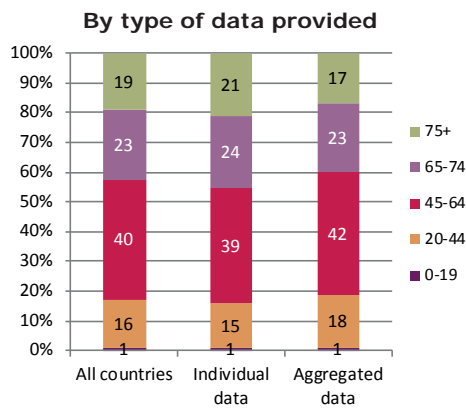
Detailed information on the contents of this figure can be found in tables B.4.2 and B.4.4 for registries providing individual patient data, and in tables C.4.2 and C.4.4 for registries providing aggregated data.

Adjustment of the prevalence was performed by standardising the prevalence to the age and sex distribution of the EU27 population.

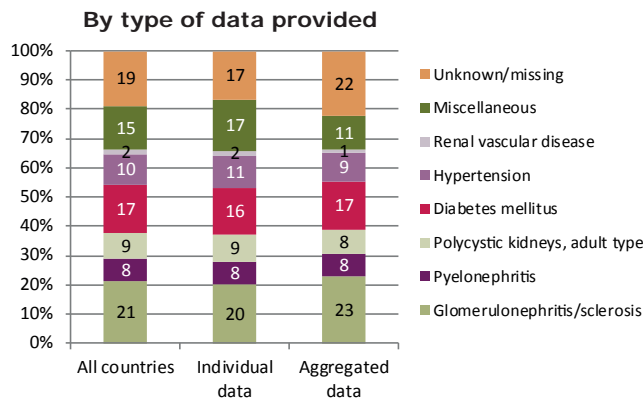
Figure A.3.3
Sex, age, and primary renal disease distribution by type of data provided
prevalent patients on December 31



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

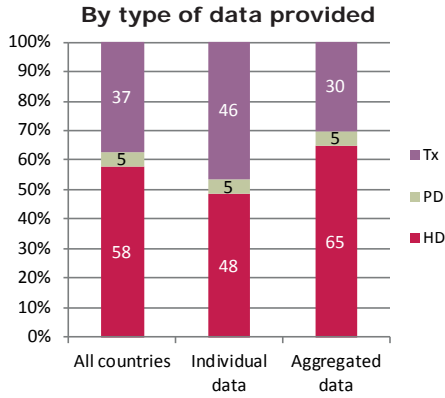


This figure summarizes the data presented in tables B.4.1 and C.4.1.



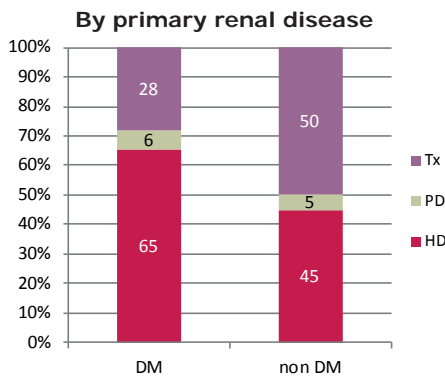
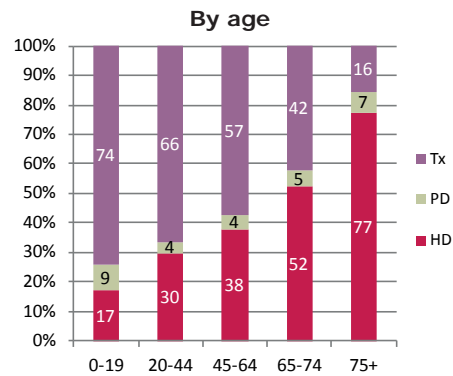
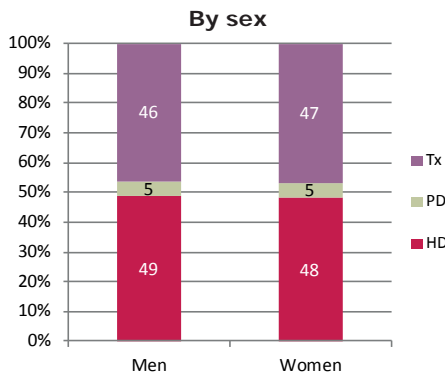
This figure summarizes the data presented in tables B.4.5 and C.4.5.

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.

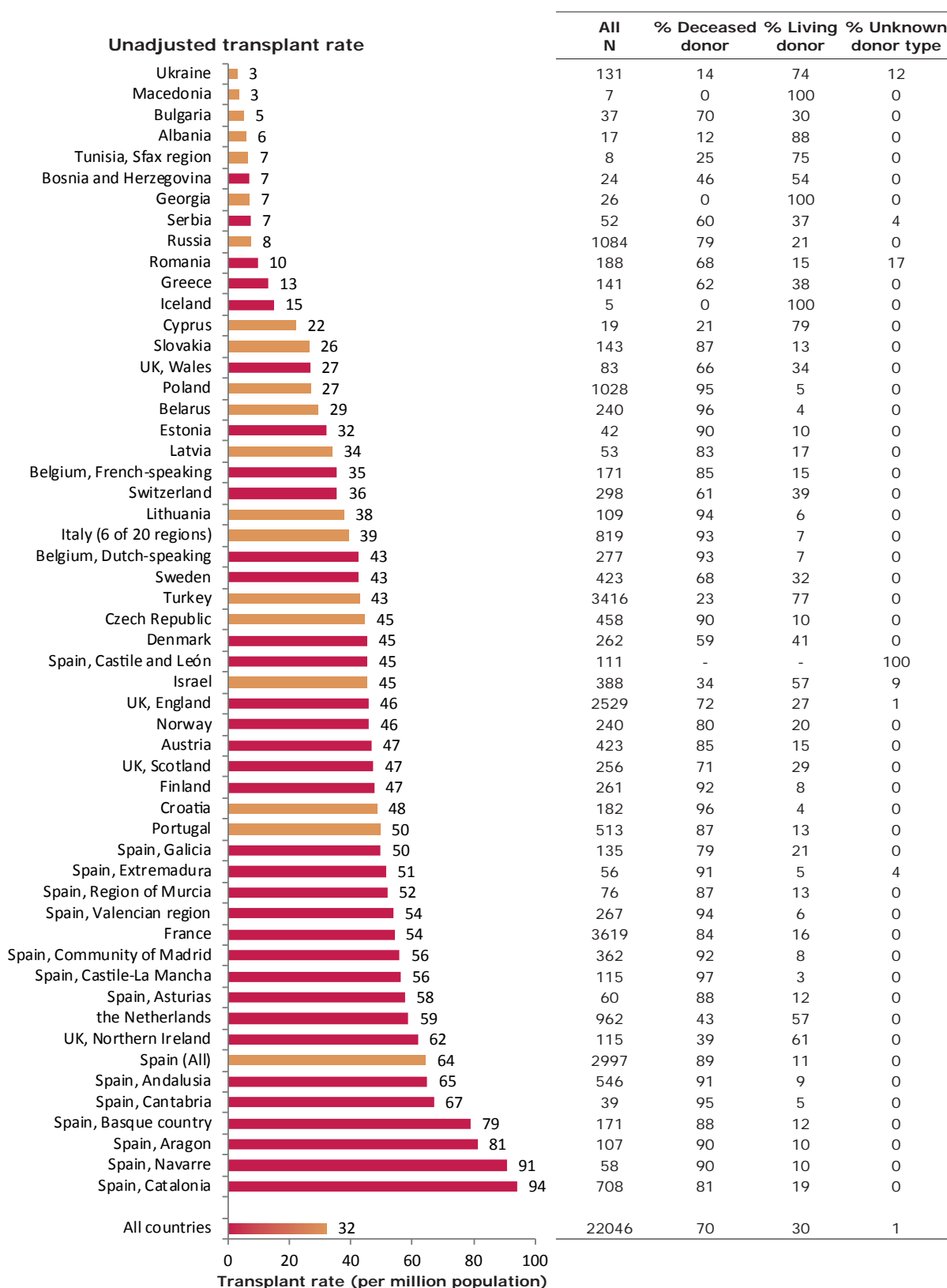


These figures summarize the data presented in table B.4.11.

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

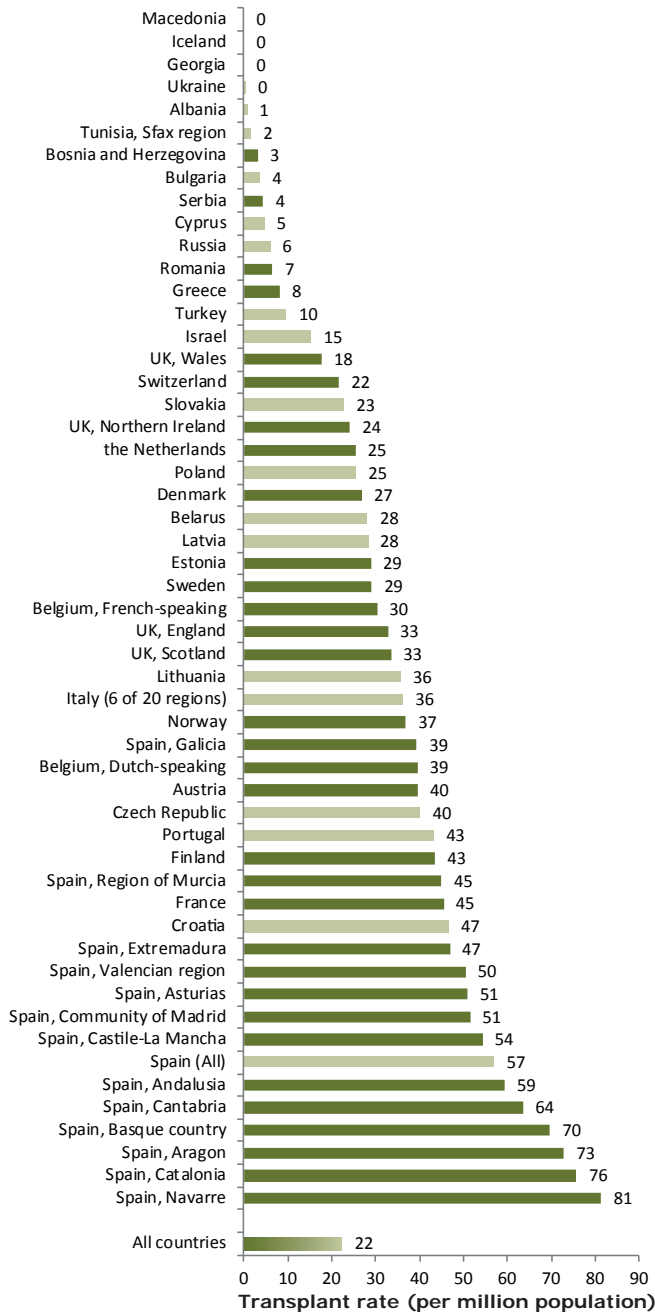


Registries providing individual patient data are shown as red bars, and registries providing aggregated data as orange bars.

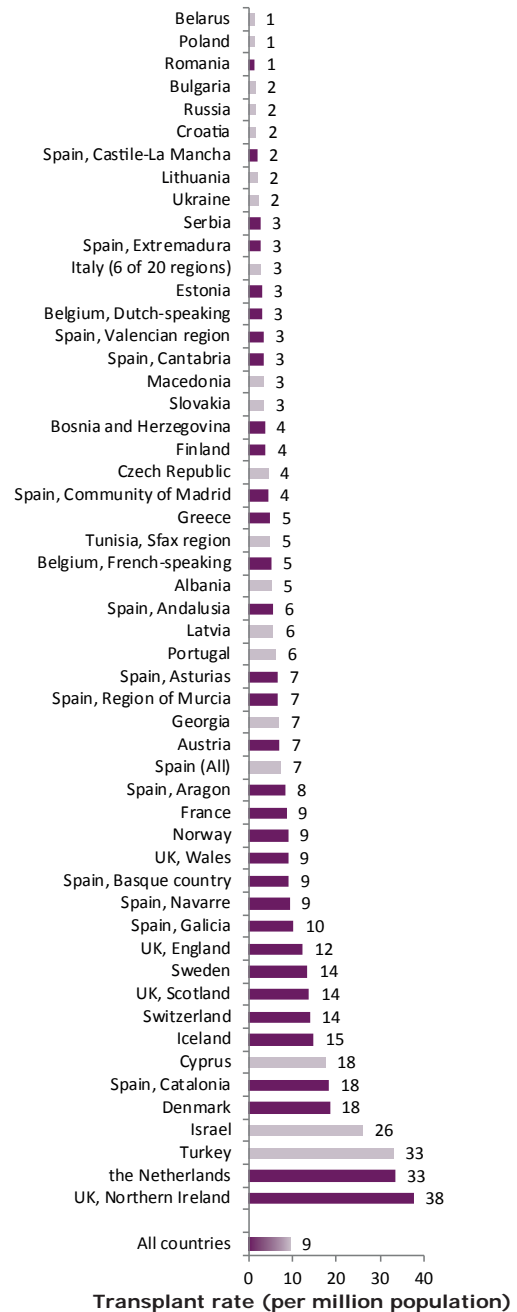
Detailed information on the contents of this figure can be found in tables B.5.1 and B.5.2 for registries providing individual patient data, and in tables C.5.1 and C.5.2 for registries providing aggregated data.

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

Unadjusted deceased donor transplant rate



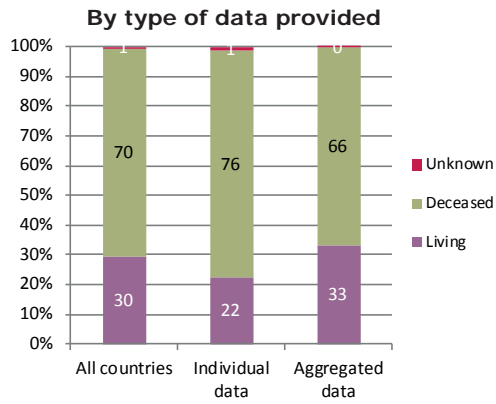
Unadjusted living donor transplant rate



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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
Patient survival on RRT					
Unadjusted	83.6 (83.4-83.7)	73.2 (73.1-73.4)	50.5 (50.4-50.6)	84.6 (84.4-84.7)	74.6 (74.5-74.8)
Adjusted †	86.3 (86.1-86.4)	76.6 (76.4-76.9)	51.7 (51.5-52.0)	87.1 (86.9-87.3)	77.9 (77.7-78.1)
Patient survival on dialysis					
Unadjusted	82.5 (82.4-82.7)	70.8 (70.6-71.0)	42.1 (42.0-42.3)	83.5 (83.3-83.6)	72.1 (71.9-72.2)
Adjusted †	84.7 (84.5-84.9)	74.0 (73.7-74.2)	45.5 (45.2-45.8)	85.9 (85.7-86.0)	75.6 (75.4-75.8)
Patient survival after first kidney transplantation (deceased donor)					
Unadjusted	96.3 (96.1-96.5)	94.4 (94.1-94.6)	87.7 (87.3-88.0)	96.3 (96.1-96.5)	94.3 (94.0-94.5)
Adjusted ††	97.7 (97.5-97.9)	96.4 (96.2-96.6)	91.9 (91.6-92.3)	97.9 (97.8-98.1)	96.7 (96.5-96.9)
Graft survival after first kidney transplantation (deceased donor)					
Unadjusted	91.1 (90.7-91.4)	88.2 (87.9-88.5)	78.7 (78.3-79.1)	91.0 (90.8-91.3)	88.0 (87.7-88.3)
Adjusted ††	92.1 (91.8-92.4)	89.6 (89.2-89.9)	80.9 (80.4-81.4)	92.6 (92.3-92.9)	90.0 (89.7-90.4)
Patient survival after first kidney transplantation (living donor)					
Unadjusted	98.7 (98.4-98.9)	97.8 (97.4-98.0)	94.1 (93.6-94.5)	99.1 (98.9-99.2)	98.1 (97.9-98.4)
Adjusted ††	98.8 (98.6-99.1)	98.0 (97.7-98.3)	94.6 (94.1-95.1)	99.2 (99.1-99.4)	98.5 (98.2-98.7)
Graft survival after first kidney transplantation (living donor)					
Unadjusted	95.9 (95.5-96.3)	94.1 (93.6-94.5)	87.5 (86.9-88.0)	96.8 (96.5-97.1)	95.1 (94.7-95.4)
Adjusted ††	95.6 (95.2-96.1)	93.7 (93.2-94.2)	86.7 (85.9-87.4)	96.6 (96.3-97.0)	94.8 (94.4-95.2)

† 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), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

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

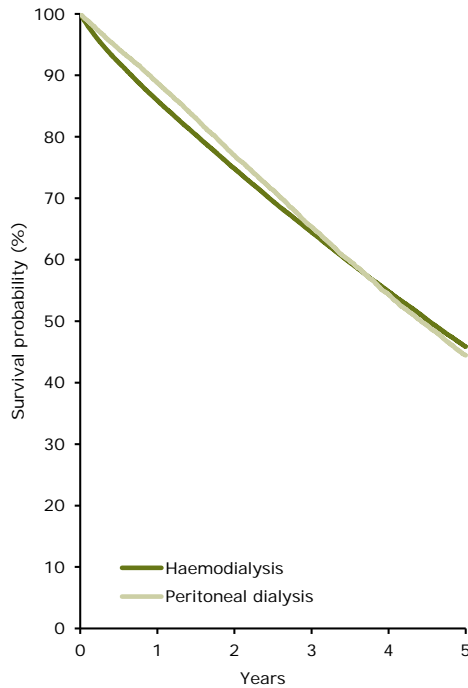
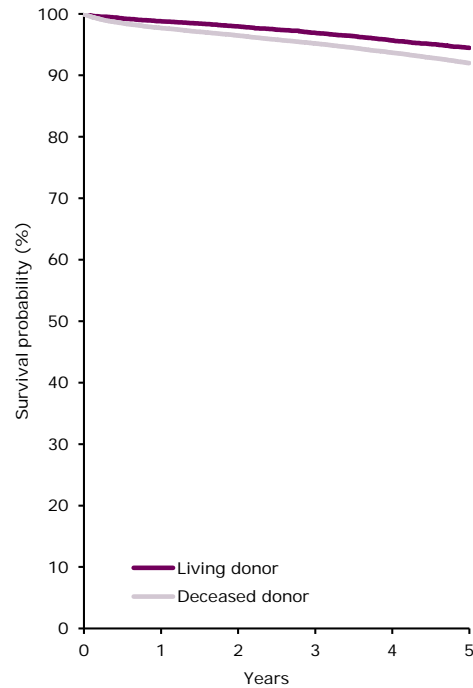


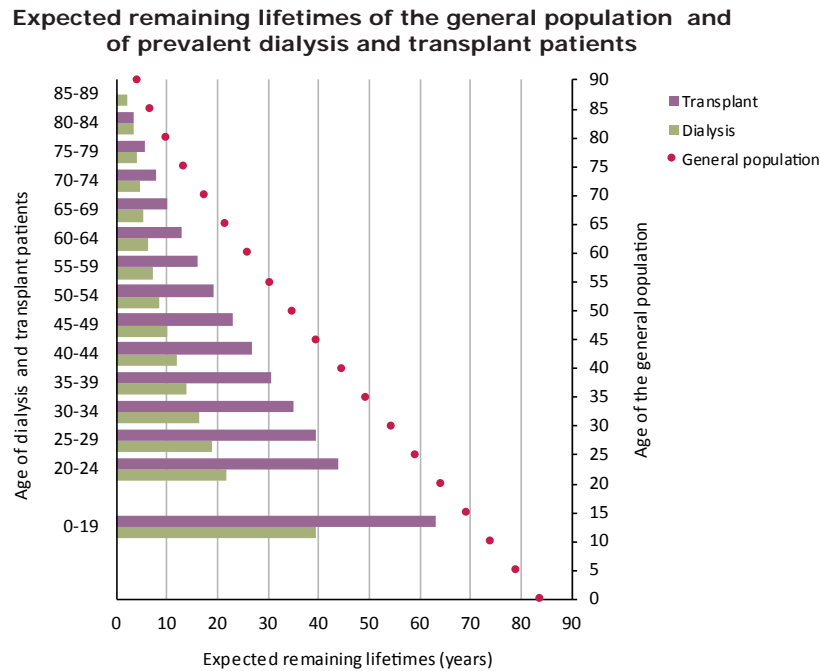
Figure A.5.2
Adjusted patient survival by donor type:
Patients receiving a first kidney transplant
from day of transplant, adjusted for age, sex, and primary renal disease



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

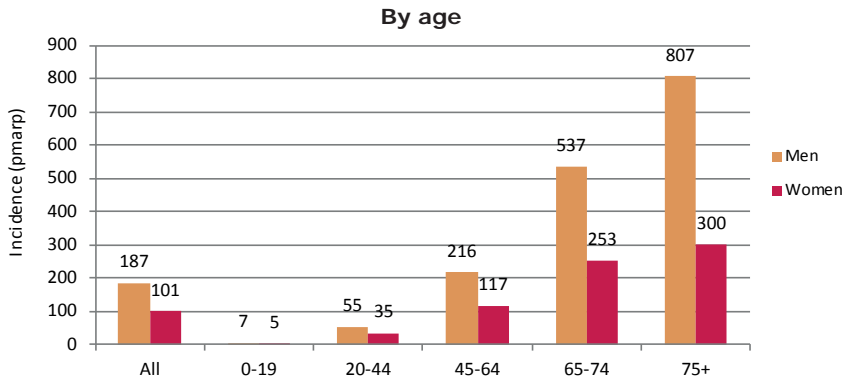
These figures are based on patients starting dialysis or receiving a kidney transplant between 2007 and 2011 from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2012-2016) and of prevalent dialysis and kidney transplant patients (cohort 2012-2016)
by age and sex



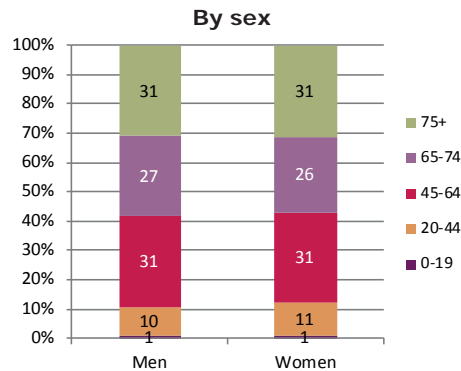
This figure summarizes the data presented in table B.7.1, and is based on data from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castille and León), Spain (Castille-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 and sex
at day 1



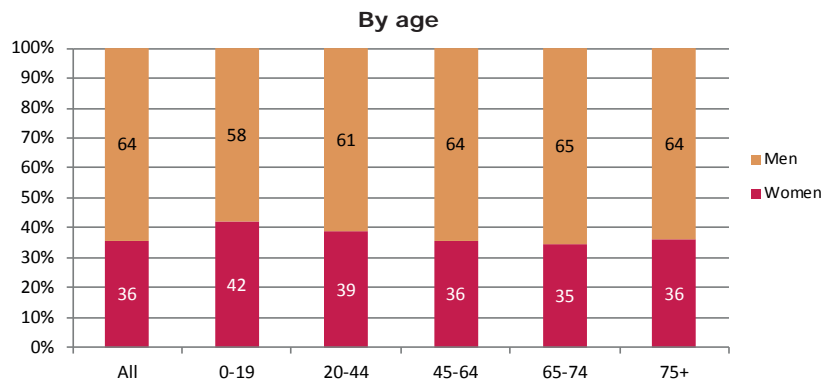
This figure summarizes the data presented in table B.2.2.

Figure A.7.2
Age distribution by sex in incident patients
at day 1



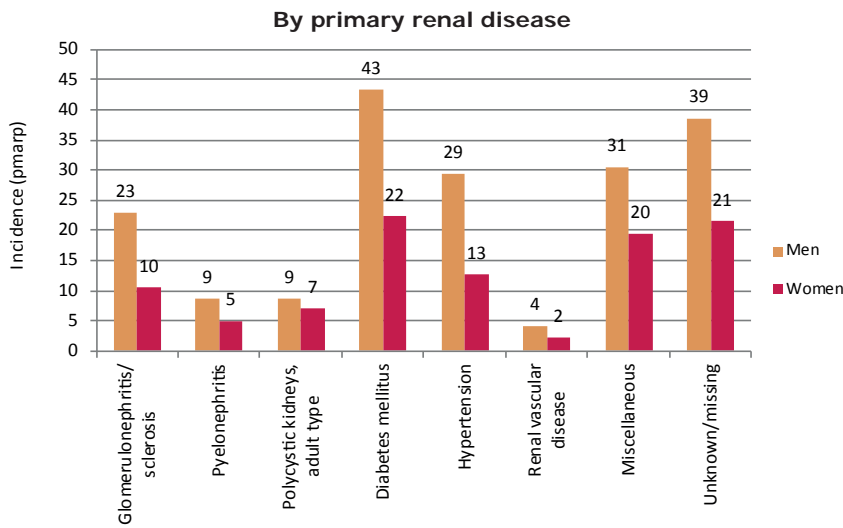
This figure summarizes the data presented in table B.2.1.

Figure A.7.3
Sex distribution by age in incident patients
at day 1



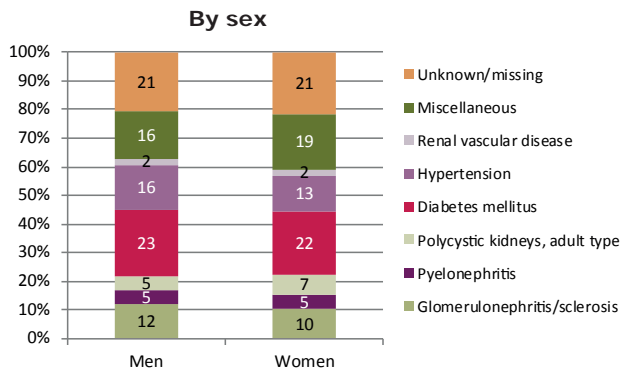
This figure summarizes the data presented in table B.8.1.

Figure A.7.4
Incidence per million population by primary renal disease and sex
at day 1



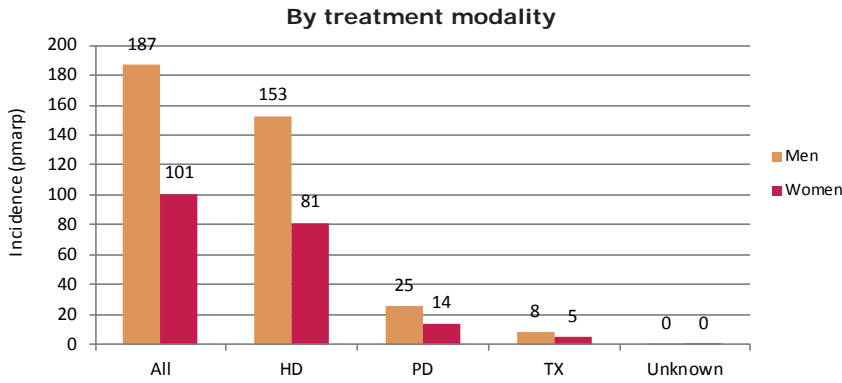
This figure summarizes the data presented in tables B.8.2 and B.8.3.

Figure A.7.5
Primary renal disease distribution by sex in incident patients
at day 1



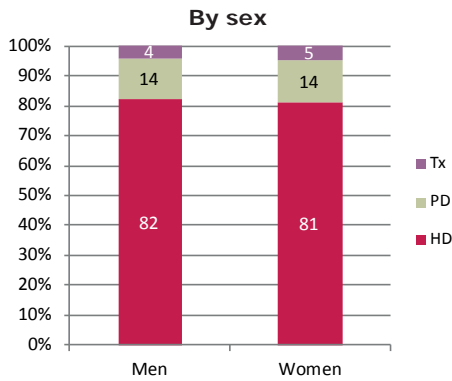
This figure summarizes the data presented in tables B.8.2 and B.8.3.

Figure A.7.6
Incidence per million population by treatment modality and sex
at day 1



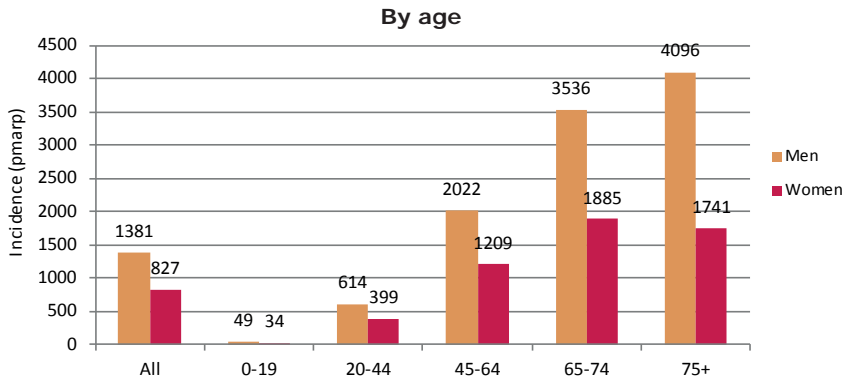
This figure summarizes the data presented in tables B.8.4 and B.8.5.

Figure A.7.7
Treatment modality distribution by sex in incident patients
at day 1



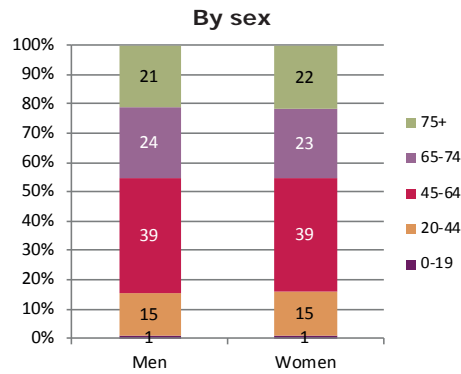
This figure summarizes the data presented in tables B.8.6 and B.8.7.

Figure A.7.8
Prevalence per million age-related population by age and sex
prevalent patients on December 31



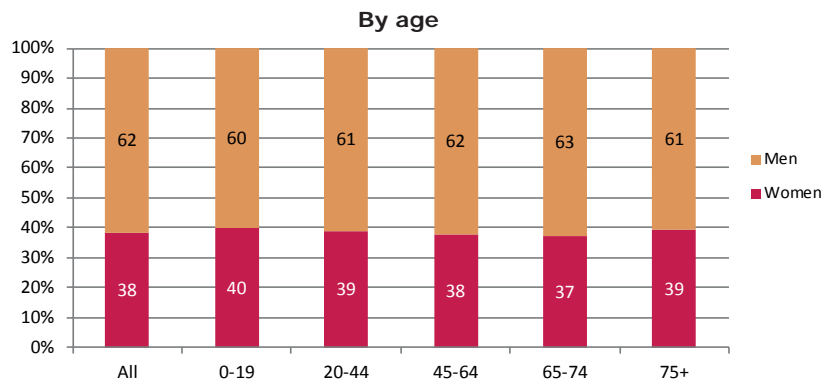
This figure summarizes the data presented in table B.4.2.

Figure A.7.9
Age distribution by sex in prevalent patients
prevalent patients on December 31



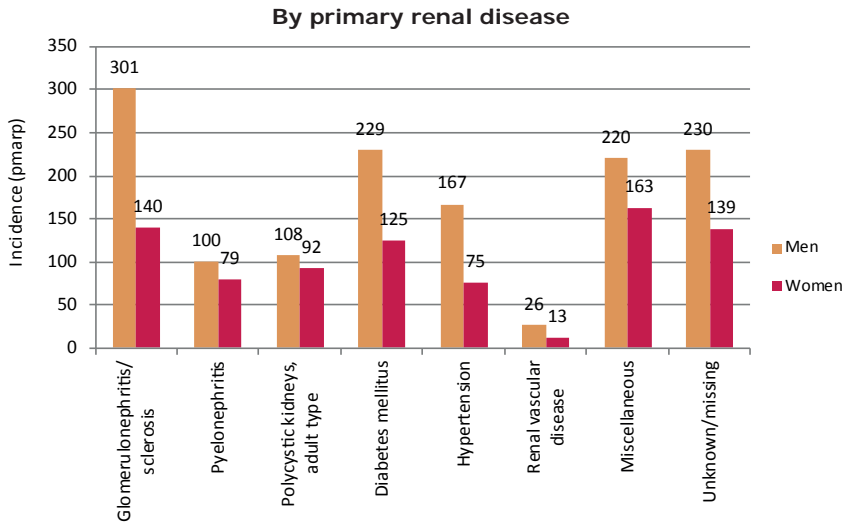
This figure summarizes the data presented in table B.4.1.

Figure A.7.10
Sex distribution by age in prevalent patients
prevalent patients on December 31



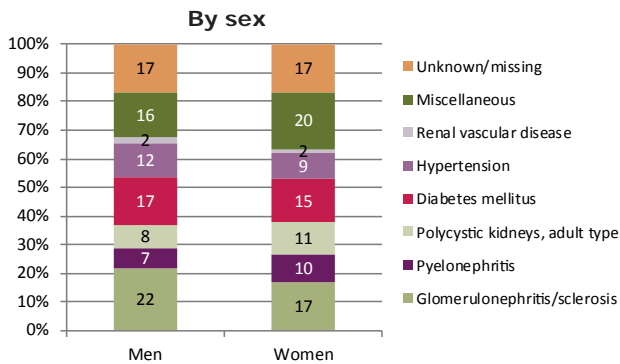
This figure summarizes the data presented in table B.8.8.

Figure A.7.11
Prevalence per million population by primary renal disease and sex
prevalent patients on December 31



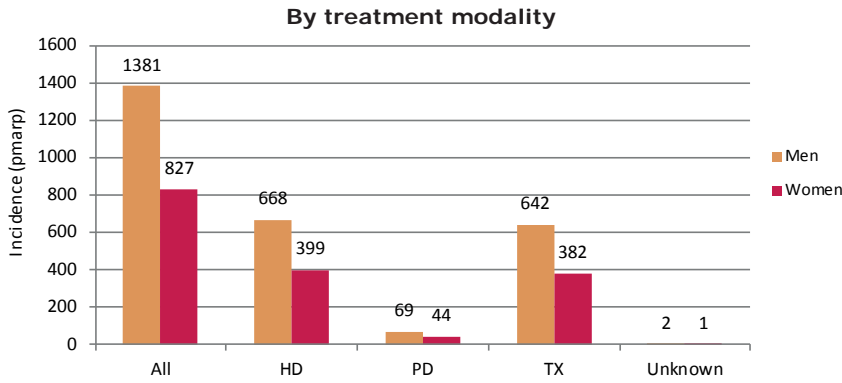
This figure summarizes the data presented in tables B.8.9 and B.8.10.

Figure A.7.12
Primary renal disease distribution by sex in prevalent patients
prevalent patients on December 31



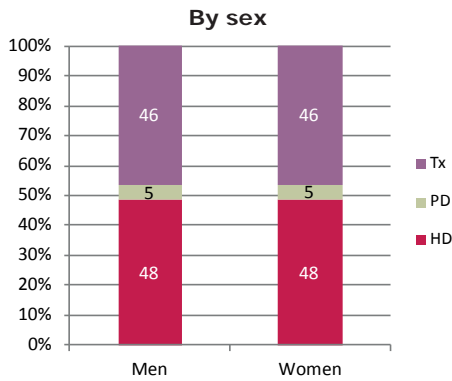
This figure summarizes the data presented in tables B.8.9 and B.8.10.

Figure A.7.13
Prevalence per million population by treatment modality and sex
prevalent patients on December 31



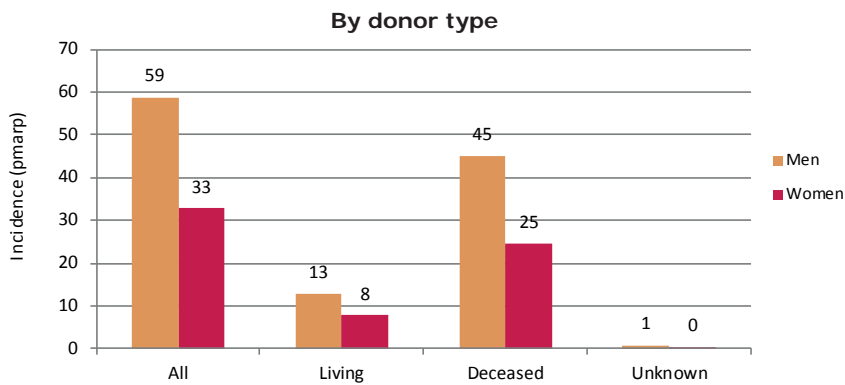
This figure summarizes the data presented in tables B.8.11 and B.8.12.

Figure A.7.14
Treatment modality distribution by sex in prevalent patients
prevalent patients on December 31



This figure summarizes the data presented in tables B.8.13 and B.8.14.

Figure A.7.15
Kidney transplants per million population by donor type and sex



This figure summarizes the data presented in tables B.8.15 and B.8.16.

Figure A.7.16
Donor type distribution by sex in transplant recipients



This figure summarizes the data presented in tables B.8.15 and B.8.16.

Figure A.7.17

Adjusted patient survival by dialysis modality and sex: Incident dialysis patients

from day 91, adjusted for age and primary renal disease

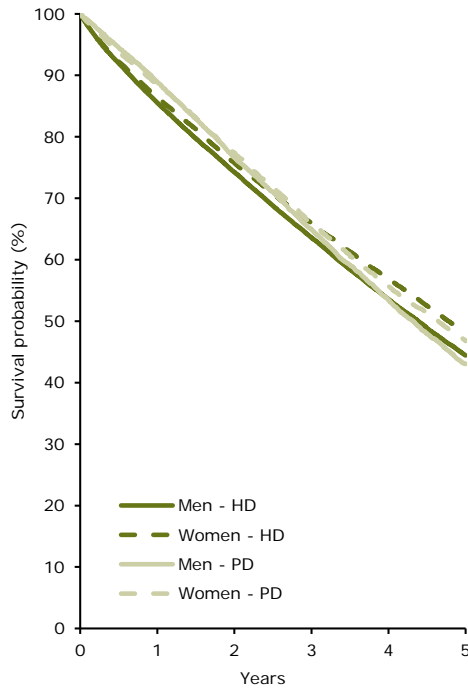
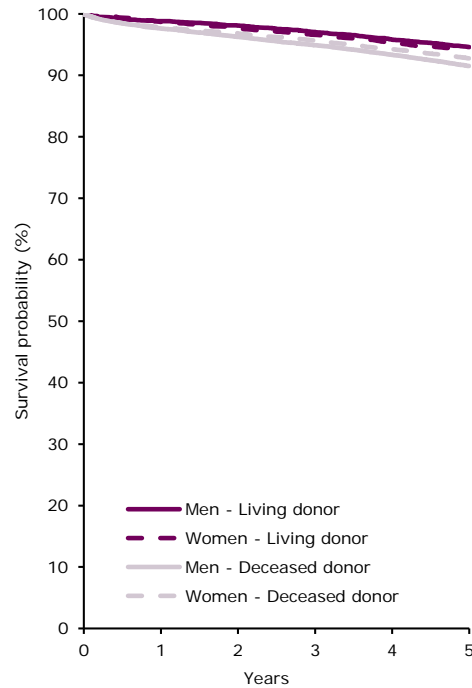


Figure A.7.18

Adjusted patient survival by donor type and sex: Patients receiving a first kidney transplant

from day of transplant, adjusted for age and primary renal disease



Survival on dialysis was adjusted using fixed values: age (67 years) 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) 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 2007 and 2011 from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

Section B: Individual patient data reference tables

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

	General population of whole country/region in thousands	% Coverage of general population by the registry for individual patient data	Total number of renal centres of whole country/region	Number of renal centres collaborating with the registry for individual patient data
Austria	8700	100	79	79
Belgium, Dutch-speaking	6509	100	27	27
Belgium, French-speaking	4822	100	24	24
Bosnia and Herzegovina	3531	100	27	27
Denmark	5784	100	15	15
Estonia	1316	100	3	3
Finland	5495	100	30	30
France	66860	100	1255	1255
Greece	10776	100	177	177
Iceland	335	100	1	1
Norway	5235	100	25	25
Romania	19702	99.0	138	135
Serbia	7058	100	63	63
Spain, Andalusia	8406	100	61	61
Spain, Aragon	1317	100	10	10
Spain, Asturias	1041	100	11	11
Spain, Basque country	2166	100	10	10
Spain, Cantabria	582	100	2	2
Spain, Castile and León	2445	100	22	22
Spain, Castile-La Mancha	2045	100	12	12
Spain, Catalonia	7523	100	47	47
Spain, Extremadura	1088	100	13	13
Spain, Galicia	2715	100	25	25
Spain, Community of Madrid	6467	100	39	39
Spain, Region of Murcia	1465	100	13	13
Spain, Navarre	639	100	3	3
Spain, Valencian region	4960	100	48	48
Sweden	9923	100	65	65
Switzerland	8373	100	89	88
the Netherlands	17030	96.0	72	72
United Kingdom, All countries *	65648	100	72	72
United Kingdom, England *	55268	100	52	52
United Kingdom, Northern Ireland	1862	100	5	5
United Kingdom, Scotland	5405	100	10	10
United Kingdom, Wales	3113	100	5	5

* Due to delays in a small number of centres submitting individual patient data for some new patients in 2016, the percentage coverage might be different for the incidence, prevalence and transplant activity calculations (please see footnotes in the concerned tables)

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	1155	809	346	18	2	13	2	5	1	101	9	70	9	31	9	395	34	280	35	115	33	325	28	230	28	95	27	316	27	216	27	100	29
Belgium, Dutch-speaking *	1214	778	436							65	5	37	5	28	6	257	21	178	23	79	18	329	27	208	27	121	28	563	46	355	46	208	48
Belgium, French-speaking *	906	530	376							71	8	35	7	36	10	265	29	162	31	103	27	275	30	160	30	115	31	295	33	173	33	122	32
Bosnia and Herzegovina	397	244	153	3	1	2	1	1	1	42	11	28	11	14	9	169	43	106	43	63	41	111	28	65	27	46	30	72	18	43	18	29	19
Denmark	740	502	238	10	1	4	1	6	3	90	12	61	12	29	12	228	31	154	31	74	31	223	30	151	30	72	30	189	26	132	26	57	24
Estonia	112	77	35	2	2	1	1	1	3	19	17	13	17	6	17	43	38	29	38	14	40	31	28	24	31	7	20	17	15	10	13	7	20
Finland	560	371	189	6	1	2	1	4	2	91	16	60	16	31	16	201	36	130	35	71	38	148	26	102	27	46	24	114	20	77	21	37	20
France	11033	7097	3936	136	1	80	1	56	1	926	8	558	8	368	9	2783	25	1777	25	1006	26	2855	26	1908	27	947	24	4333	39	2774	39	1559	40
Greece	2702	1768	934	24	1	17	1	7	1	112	4	72	4	40	4	608	23	415	23	193	21	696	26	484	27	212	23	1262	47	780	44	482	52
Iceland	30	19	11	0	0	0	0	0	0	4	13	1	5	3	27	11	37	8	42	3	27	10	33	8	42	2	18	5	17	2	11	3	27
Norway	556	362	194	8	1	2	1	6	3	77	14	33	9	44	23	173	31	117	32	56	29	145	26	101	28	44	23	153	28	109	30	44	23
Romania	3454	1990	1464	30	1	14	1	16	1	391	11	240	12	151	10	1371	40	845	42	526	36	988	29	547	27	441	30	674	20	344	17	330	23
Serbia [□]	618	409	209	12	2	10	2	2	1	56	9	39	10	17	8	249	40	168	41	81	39	194	31	132	32	62	30	107	17	60	15	47	22
Spain, Andalusia	1133	689	444	20	2	11	2	9	2	106	9	68	10	38	9	411	36	255	37	156	35	314	28	192	28	122	27	282	25	163	24	119	27
Spain, Aragon	165	110	55	3	2	1	1	2	4	18	11	10	7	13	57	35	40	36	17	31	36	22	27	25	9	16	51	31	31	28	20	36	
Spain, Asturias	188	139	49	4	2	3	2	1	2	13	7	11	8	2	4	70	37	50	36	20	41	49	26	34	24	15	31	52	28	41	29	11	22
Spain, Basque country	284	189	95	1	0	1	1	0	0	40	14	22	12	18	19	100	35	63	33	37	39	66	23	50	26	16	17	77	27	53	28	24	25
Spain, Cantabria *	59	43	16							8	14	4	9	4	25	18	31	13	30	5	31	21	36	15	35	6	38	12	20	11	26	1	6
Spain, Castile and León *	308	207	101							29	9	18	9	11	11	79	26	51	25	28	28	77	25	54	26	23	23	123	40	84	41	39	39
Spain, Castile-La Mancha *	287	191	96							25	9	19	10	6	6	91	32	63	33	28	29	71	25	49	26	22	23	100	35	60	31	40	42
Spain, Catalonia	1260	852	408	12	1	8	1	4	1	121	10	76	9	45	11	377	30	268	31	109	27	338	27	226	27	112	27	412	33	274	32	138	34
Spain, Extremadura	120	78	42	0	0	0	0	0	0	10	8	6	8	4	10	42	35	31	40	11	26	29	24	18	23	11	26	39	33	23	29	16	38
Spain, Galicia	399	271	128	1	0	0	0	1	1	36	9	26	10	10	8	129	32	91	34	38	30	108	27	76	28	32	25	125	31	78	29	47	37
Spain, Community of Madrid	870	591	279	6	1	5	1	1	0	101	12	55	9	46	16	270	31	183	31	87	31	244	28	169	29	75	27	249	29	179	30	70	25
Spain, Region of Murcia	202	133	69	5	2	3	2	2	3	18	9	14	11	4	6	77	38	47	35	30	43	48	24	34	26	14	20	54	27	35	26	19	28
Spain, Navarre *	82	63	19							8	10	8	13	0	0	28	34	19	30	9	47	26	32	22	35	4	21	20	24	14	22	6	32
Spain, Valencian region	858	588	270	5	1	3	1	2	1	90	10	53	9	37	14	251	29	171	29	80	30	228	27	171	29	57	21	284	33	190	32	94	35
Sweden	1204	798	406	27	2	14	2	13	3	129	11	82	10	47	12	363	30	237	30	126	31	350	29	241	30	109	27	335	28	224	28	111	27
Switzerland	844	541	303	13	2	6	1	7	2	88	10	55	10	33	11	287	34	176	33	111	37	224	27	139	26	85	28	232	27	165	30	67	22
the Netherlands	1906	1212	694	23	1	13	1	10	1	205	11	131	11	74	11	607	32	371	31	236	34	549	29	352	29	197	28	522	27	345	28	177	26
United Kingdom, All countries * ¶	7607	4786	2821							1140	15	681	14	459	16	2769	36	1718	36	1051	37	1895	25	1204	25	691	24	1803	24	1183	25	620	22
United Kingdom, England * ¶	6454	4092	2362							962	15	581	14	381	16	2358	37	1470	36	888	38	1597	25	1030	25	567	24	1537	24	1011	25	526	22
United Kingdom, Northern Ireland *	225	135	90							33	15	18	13	15	17	74	33	47	35	27	30	66	29	40	30	26	29	52	23	30	22	22	24
United Kingdom, Scotland	571	343	228	13	2	9	3	4	2	108	19	59	17	49	21	203	36	125	36	78	34	136	24	78	23	58	25	111	19	72	21	39	17
United Kingdom, Wales *	370	225	145							37	10	23	10	14	10	134	36	76	34	58	40	96	26	56	25	40	28	103	28	70	31	33	23

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

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

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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	132.8	189.3	78.1	10.5	14.7	6.0	34.9	47.7	21.7	158.6	226.4	91.8	389.0	592.4	212.4	410.7	721.7	212.7
Belgium, Dutch-speaking *	186.5	241.6	132.6				32.3	36.4	28.1	142.0	195.0	88.1	507.7	661.2	362.8	895.9	1394.8	556.3
Belgium, French-speaking *	187.9	224.6	152.7				43.8	42.9	44.7	212.6	262.0	163.9	652.0	817.8	508.6	774.6	1233.4	507.1
Bosnia and Herzegovina	112.4	140.9	85.1	3.8	5.0	2.6	34.3	45.0	23.3	165.8	213.4	120.6	377.5	504.2	278.6	346.2	536.0	227.0
Denmark	127.9	174.4	81.9	7.5	5.9	9.3	48.9	65.4	32.0	149.3	201.0	97.3	346.3	482.5	217.5	424.3	710.8	219.5
Estonia	85.1	124.8	50.1	7.3	7.1	7.6	42.6	56.7	27.7	124.5	178.8	76.5	241.6	476.5	89.8	137.0	283.3	78.9
Finland	101.9	137.1	67.8	5.0	3.3	6.9	53.3	68.5	37.3	137.9	179.2	97.1	229.0	332.9	135.4	232.5	411.3	122.1
France	165.0	219.2	114.1	8.3	9.5	7.0	45.4	55.3	35.7	160.4	210.2	113.0	432.2	614.8	270.4	709.7	1185.5	414.0
Greece	250.7	338.5	168.2	11.5	15.9	6.9	32.5	41.7	23.3	207.4	295.9	126.2	622.7	927.6	355.8	1061.7	1558.4	700.5
Iceland	89.4	112.3	66.2	0	0	0	33.9	16.4	52.3	134.4	195.2	73.4	373.6	596.3	149.8	250.1	229.3	266.3
Norway	106.2	137.3	74.7	6.3	3.1	9.8	43.5	36.2	51.2	129.3	171.4	85.5	291.3	411.1	174.5	416.8	726.8	202.7
Romania	177.1	208.8	146.8	7.3	6.6	8.0	58.7	70.1	46.7	257.7	322.9	194.6	528.2	675.3	415.8	431.8	599.8	334.2
Serbia †	87.6	119.0	57.7	8.8	14.2	3.0	24.1	32.9	14.9	124.0	172.7	78.3	252.1	382.5	146.1	183.4	260.3	133.1
Spain, Andalusia	134.8	165.8	104.5	11.1	11.8	10.3	36.4	46.1	26.5	178.6	222.9	134.8	432.0	559.8	317.9	426.7	623.0	298.0
Spain, Aragon	125.3	168.7	82.7	12.1	7.8	16.7	43.0	51.2	34.3	153.4	212.9	92.6	276.7	436.4	131.9	341.1	517.6	223.1
Spain, Asturias	180.6	279.1	90.2	26.3	38.3	13.5	41.4	69.4	12.8	218.4	320.2	121.6	404.3	607.9	229.8	392.1	833.2	131.9
Spain, Basque country	131.1	180.1	85.1	2.5	4.8	0	61.3	67.0	55.5	156.6	200.4	114.1	280.0	453.4	127.5	324.1	586.3	163.1
Spain, Cantabria *	101.4	151.3	53.7				43.5	42.9	44.1	104.0	151.3	57.3	351.7	532.5	190.3	193.7	467.3	26.0
Spain, Castile and León *	126.0	171.3	81.7	40.0	48.4	31.2	109.0	138.2	78.7	289.4	415.6	168.9	289.4	415.6	168.9	370.3	630.3	196.1
Spain, Castile-La Mancha *	140.3	185.9	94.4				36.1	52.9	18.0	164.2	221.6	103.8	415.3	593.8	248.7	480.1	696.7	327.4
Spain, Catalonia	167.5	230.4	106.7	7.8	10.1	5.4	46.6	57.6	35.2	187.4	268.6	107.5	489.9	703.5	303.7	597.7	1023.9	327.3
Spain, Extremadura	110.3	144.6	76.6	0	0	0	27.9	32.7	22.9	137.2	198.6	73.3	292.6	380.8	212.2	331.0	495.2	224.2
Spain, Galicia	147.0	206.5	91.2	2.3	0	4.8	42.5	60.9	23.8	166.4	239.4	96.2	344.6	517.5	192.2	357.2	575.2	219.3
Spain, Community of Madrid	134.5	190.7	82.8	4.6	7.4	1.6	43.7	48.2	39.3	155.2	220.6	95.6	432.9	665.6	242.1	461.8	885.0	207.8
Spain, Region of Murcia	137.9	181.3	94.4	14.8	17.2	12.2	33.9	51.0	15.6	205.7	249.7	161.2	431.4	651.2	237.0	491.5	789.9	289.8
Spain, Navarre *	128.3	199.1	58.9				39.0	76.7	0	157.8	211.2	102.8	423.9	741.0	126.4	319.3	564.2	158.7
Spain, Valencian region	173.0	240.1	107.5	5.1	5.9	4.2	53.3	61.5	44.8	183.7	252.2	116.3	478.9	764.6	225.8	642.6	1072.6	355.0
Sweden	121.3	160.5	82.0	11.9	12.0	11.9	39.8	49.4	29.8	147.7	191.0	103.5	316.3	442.7	193.9	391.6	622.5	224.0
Switzerland	100.8	130.4	71.7	7.7	6.9	8.6	31.2	38.5	23.6	121.8	148.5	94.8	276.6	358.5	201.4	331.7	590.5	159.6
the Netherlands	116.6	149.5	84.2	6.3	6.9	5.6	40.4	51.4	29.4	131.5	160.4	102.5	317.7	414.4	224.2	411.1	663.9	236.0
United Kingdom, All countries * ¶	115.9	147.8	84.8				53.0	63.1	42.8	164.3	207.1	122.9	292.1	385.4	205.4	338.6	529.2	200.7
United Kingdom, England * ¶	116.8	149.9	84.5				52.8	63.5	42.1	167.7	211.9	124.6	295.0	394.9	202.1	343.9	536.8	203.4
United Kingdom, Northern Ireland *	120.8	147.5	95.0				54.4	60.0	49.0	156.1	201.4	112.2	397.4	502.1	301.0	394.8	558.5	282.1
United Kingdom, Scotland	105.6	130.5	82.1	11.2	15.2	7.1	61.5	68.1	55.1	136.1	172.7	101.7	244.4	294.0	199.2	251.0	402.2	148.1
United Kingdom, Wales *	118.9	146.7	91.8				38.9	48.0	29.7	163.0	189.3	137.9	272.2	326.9	220.6	365.2	585.9	203.0

* Patients younger than 20 years of age are not reported

† The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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

	All				Men				Women			
	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Austria	100	64.4	15.4	67.3	70.0	64.4	15.4	67.3	30.0	64.5	15.7	67.3
Belgium, Dutch-speaking *	100	71.0	13.5	73.8	64.1	70.9	13.2	73.2	35.9	71.4	14.0	74.5
Belgium, French-speaking *	100	67.3	14.1	69.3	58.5	67.6	13.2	69.1	41.5	66.9	15.3	69.6
Bosnia and Herzegovina	100	62.2	13.9	63.9	61.5	61.7	14.1	63.8	38.5	62.9	13.7	64.3
Denmark	100	63.3	16.1	67.4	67.8	63.5	15.8	67.2	32.2	62.7	16.7	67.5
Estonia	100	59.7	16.4	61.6	68.8	59.7	16.3	62.8	31.3	59.7	16.7	61.5
Finland	100	60.9	16.1	63.8	66.3	61.4	15.5	64.1	33.8	59.9	17.2	63.1
France	100	67.9	16.2	70.6	64.3	68.2	15.7	70.7	35.7	67.5	16.9	70.6
Greece	100	70.8	14.0	73.6	65.4	70.2	14.0	72.5	34.6	71.8	14.0	75.4
Iceland	100	61.7	13.5	65.1	63.3	63.0	10.8	65.3	36.7	59.4	17.7	59.9
Norway	100	63.1	17.3	66.5	65.1	65.4	15.6	67.7	34.9	58.9	19.4	62.7
Romania	100	62.4	14.3	64.5	57.6	61.7	14.0	63.5	42.4	63.4	14.6	65.5
Serbia	100	62.0	14.6	64.6	66.2	61.1	14.8	64.2	33.8	63.5	14.0	65.6
Spain, Andalusia	100	63.5	15.7	66.0	60.8	63.2	15.6	65.8	39.2	64.0	15.7	67.2
Spain, Aragon	100	63.5	16.7	67.3	66.7	63.7	15.6	65.9	33.3	63.1	18.9	70.4
Spain, Asturias	100	64.8	15.8	66.6	73.9	64.4	16.4	66.3	26.1	65.9	14.1	66.8
Spain, Basque country	100	63.4	15.8	65.4	66.5	64.9	15.1	69.2	33.5	60.6	17.0	61.1
Spain, Cantabria *	100	63.1	14.7	67.7	72.9	64.9	13.9	68.7	27.1	58.1	16.1	60.9
Spain, Castile and León *	100	68.1	14.1	71.3	67.2	68.5	13.6	70.8	32.8	67.4	15.3	71.7
Spain, Castile-La Mancha *	100	66.1	14.7	69.1	66.6	65.0	14.9	67.5	33.4	68.3	14.2	72.6
Spain, Catalonia	100	65.9	15.3	68.7	67.6	65.9	14.9	68.3	32.4	66.0	16.2	69.5
Spain, Extremadura	100	65.6	13.7	66.6	65.0	65.0	13.3	65.6	35.0	66.7	14.4	67.4
Spain, Galicia	100	66.0	14.3	68.7	67.9	65.2	14.4	67.8	32.1	67.7	14.1	70.6
Spain, Community of Madrid	100	64.9	15.5	67.7	67.9	65.8	15.1	68.7	32.1	62.8	16.1	65.5
Spain, Region of Murcia	100	63.3	15.6	65.3	65.8	63.4	15.9	65.6	34.2	63.1	15.2	63.6
Spain, Navarre *	100	64.7	13.3	67.2	76.8	64.5	13.9	67.2	23.2	65.4	11.4	65.2
Spain, Valencian region	100	65.8	15.4	68.9	68.5	66.2	14.5	69.1	31.5	64.9	17.2	68.2
Sweden	100	64.0	16.7	67.9	66.3	64.6	16.0	68.6	33.7	62.9	17.9	66.3
Switzerland	100	63.8	16.0	66.6	64.1	64.7	15.8	67.2	35.9	62.1	16.3	65.2
the Netherlands	100	64.2	15.7	67.4	63.6	64.6	15.7	68.1	36.4	63.3	15.8	66.3
United Kingdom, All countries *	100	62.3	15.7	64.4	62.9	62.9	15.6	64.9	37.1	61.3	15.8	63.6
United Kingdom, England *	100	62.3	15.7	64.4	63.4	62.9	15.6	65.0	36.6	61.2	15.9	63.5
United Kingdom, Northern Ireland *	100	62.8	15.1	66.4	60.0	62.5	15.1	65.5	40.0	63.2	15.2	67.3
United Kingdom, Scotland	100	59.2	17.1	61.6	60.1	59.5	17.4	61.6	39.9	58.6	16.7	61.1
United Kingdom, Wales *	100	64.9	14.9	66.5	60.8	65.5	15.2	67.3	39.2	63.9	14.3	65.1

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	126.3	179.5	75.6
Belgium, Dutch-speaking *	165.8	209.0	124.6
Belgium, French-speaking *	197.4	235.5	161.1
Bosnia and Herzegovina	118.5	149.5	89.1
Denmark	122.2	164.8	81.6
Estonia	87.2	129.9	46.5
Finland	95.6	128.3	64.4
France	157.7	205.1	112.6
Greece	209.7	275.0	147.4
Iceland	104.0	127.6	81.5
Norway	110.1	140.7	80.9
Romania	173.3	208.4	139.8
Serbia □	79.4	106.9	53.2
Spain, Andalusia	137.8	168.1	108.9
Spain, Aragon	114.7	153.2	78.0
Spain, Asturias	146.2	220.6	75.3
Spain, Basque country	116.1	154.9	79.2
Spain, Cantabria *	92.5	136.8	50.3
Spain, Castile and León *	99.0	130.2	69.2
Spain, Castile-La Mancha *	136.8	179.3	96.2
Spain, Catalonia	162.3	222.3	105.1
Spain, Extremadura	99.5	129.5	70.9
Spain, Galicia	120.2	166.5	76.1
Spain, Community of Madrid	138.6	195.1	84.7
Spain, Region of Murcia	152.4	201.0	106.1
Spain, Navarre *	118.9	182.5	58.3
Spain, Valencian region	164.4	226.1	105.5
Sweden	115.0	149.7	81.9
Switzerland	97.0	124.0	71.3
the Netherlands	112.0	141.0	84.2
United Kingdom, All countries * ¶	116.5	145.9	88.4
United Kingdom, England * ¶	117.9	148.7	88.6
United Kingdom, Northern Ireland *	129.8	155.2	105.6
United Kingdom, Scotland	103.6	126.1	82.0
United Kingdom, Wales *	110.7	133.2	89.3

* Patients younger than 20 years of age are not reported

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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	132.8	100	14.7	11.1	4.0	3.0	6.1	4.6	4.4	3.3	30.7	23.1	35.1	26.4	14.1	10.6	15.9	11.9	30.7	23.1	12.2	9.2	0	0
Belgium, Dutch-speaking *	186.5	100	18.7	10.0	7.2	3.9	10.9	5.8	3.2	1.7	36.1	19.4	39.3	21.1	18.6	10.0	7.7	4.1	67.8	36.3	16.3	8.7	0	0
Belgium, French-speaking *	187.9	100	16.6	8.8	7.3	3.9	10.0	5.3	3.5	1.9	38.4	20.4	41.9	22.3	38.2	20.3	1.2	0.7	56.0	29.8	16.8	8.9	0	0
Bosnia and Herzegovina	112.4	100	11.6	10.3	9.6	8.6	4.0	3.5	12.7	11.3	24.4	21.7	37.1	33.0	13.6	12.1	0.8	0.8	22.4	19.9	13.3	11.8	0	0
Denmark	127.9	100	15.0	11.8	6.2	4.9	9.0	7.0	8.3	6.5	24.9	19.5	33.2	25.9	22.0	17.2	0.7	0.5	22.5	17.6	19.4	15.1	0	0
Estonia	85.1	100	9.9	11.6	3.8	4.5	9.1	10.7					14.4	17.0	29.6	34.8	0	0	17.5	20.5	0.8	0.9	0	0
Finland	101.9	100	13.5	13.2	6.7	6.6	11.3	11.1	16.6	16.3	17.8	17.5	34.4	33.8	7.3	7.1	0.5	0.5	17.3	17.0	10.9	10.7	0	0
France	165.0	100	20.1	12.2	8.1	4.9	9.2	5.5					38.4	23.3	40.3	24.4	1.5	0.9	23.4	14.2	23.9	14.5	0	0
Greece	250.7	100	18.0	7.2	11.0	4.4	10.0	4.0	3.5	1.4	62.4	24.9	65.9	26.3	26.2	10.4	2.8	1.1	31.0	12.4	85.8	34.2	0	0
Iceland	89.4	100	20.9	23.3	3.0	3.3	11.9	13.3	0	0	14.9	16.7	14.9	16.7	17.9	20.0	3.0	3.3	11.9	13.3	6.0	6.7	0	0
Norway	106.2	100	18.1	17.1	4.8	4.5	7.5	7.0	3.2	3.1	13.6	12.8	16.8	15.8	33.6	31.7	0.6	0.5	20.8	19.6	3.8	3.6	0.2	0.2
Romania	177.1	100	19.1	10.8	6.2	3.5	3.5	2.0					18.3	10.3	10.5	5.9	0.6	0.3	30.9	17.4	88.2	49.8	0	0
Serbia □	87.6	100	6.1	7.0	6.8	7.8	4.4	5.0					19.7	22.5	27.1	30.9	0.6	0.6	11.8	13.4	11.2	12.8	0	0
Spain, Andalusia	134.8	100	18.2	13.5	5.9	4.4	8.3	6.2					35.0	25.9	15.9	11.8	1.0	0.7	25.6	19.0	24.5	18.2	0.4	0.3
Spain, Aragon	125.3	100	22.0	17.6	4.6	3.6	7.6	6.1	4.6	3.6	25.1	20.0	29.6	23.6	12.1	9.7	0	0	20.5	16.4	28.8	23.0	0	0
Spain, Asturias	180.6	100	27.9	15.4	6.7	3.7	12.5	6.9	1.9	1.1	37.5	20.7	39.4	21.8	38.4	21.3	3.8	2.1	25.0	13.8	22.1	12.2	4.8	2.7
Spain, Basque country	131.1	100	17.5	13.4	6.0	4.6	9.7	7.4	2.8	2.1	23.5	18.0	26.3	20.1	21.7	16.5	1.4	1.1	23.5	18.0	24.9	19.0	0	0
Spain, Cantabria *	101.4	100	22.3	22.0	5.2	5.1	6.9	6.8	1.7	1.7	18.9	18.6	20.6	20.3	12.0	11.9	6.9	6.8	15.5	15.3	6.9	6.8	5.2	5.1
Spain, Castile and León * ‡	126.0	100	14.7	11.7	6.1	4.9	5.7	4.5	3.7	2.9	31.1	24.7	34.8	27.6	23.3	18.5	0	0	17.2	13.6	24.1	19.2	0	0
Spain, Castile-La Mancha *	140.3	100	16.6	11.8	6.4	4.5	8.8	6.3					32.8	23.3	7.8	5.6	4.4	3.1	25.4	18.1	38.1	27.2	0	0
Spain, Catalonia	167.5	100	21.8	13.0	7.6	4.5	10.2	6.1	1.7	1.0	32.0	19.1	34.7	20.7	12.0	7.1	4.5	2.7	14.2	8.5	62.5	37.3	0	0
Spain, Extremadura	110.3	100	16.5	15.0	6.4	5.8	7.4	6.7					31.3	28.3	9.2	8.3	4.6	4.2	10.1	9.2	23.9	21.7	0.9	0.8
Spain, Galicia	147.0	100	18.4	12.5	6.3	4.3	12.2	8.3	5.5	3.8	32.0	21.8	37.6	25.6	13.3	9.0	0	0	26.1	17.8	33.1	22.6	0	0
Spain, Community of Madrid	134.5	100	21.3	15.9	3.2	2.4	9.3	6.9	2.0	1.5	33.1	24.6	35.1	26.1	19.0	14.1	3.4	2.5	30.3	22.5	12.8	9.5	0	0
Spain, Region of Murcia	137.9	100	28.0	20.3	8.2	5.9	12.3	8.9					32.1	23.3	11.6	8.4	8.2	5.9	10.9	7.9	26.6	19.3	0	0
Spain, Navarre *	128.3	100	12.5	9.8	4.7	3.7	17.2	13.4	3.1	2.4	29.7	23.2	32.9	25.6	14.1	11.0	1.6	1.2	21.9	17.1	23.5	18.3	0	0
Spain, Valencian region	173.0	100	17.5	10.1	10.7	6.2	8.9	5.1					35.9	20.7	33.1	19.1	9.7	5.6	23.8	13.8	33.5	19.3	0	0
Sweden ‡	121.3	100	15.6	12.9	5.1	4.2	8.8	7.2	8.7	7.1	24.0	19.8	32.7	26.9	23.3	19.2	1.2	1.0	23.4	19.3	11.3	9.3	0	0
Switzerland	100.8	100	12.2	12.1	2.0	2.0	6.6	6.5	3.5	3.4	18.2	18.0	21.6	21.4	18.2	18.0	3.9	3.9	27.6	27.4	8.7	8.6	0	0
the Netherlands	116.6	100	10.9	9.4	4.2	3.6	6.7	5.7	3.1	2.6	19.5	16.7	22.5	19.3	13.9	11.9	13.6	11.6	21.8	18.7	12.8	11.0	10.2	8.7
United Kingdom, All countries * ¶ #	115.9	100	13.7	11.9	7.1	6.1	6.9	6.0					29.5	25.5	6.6	5.7	2.2	1.9	21.5	18.6	15.3	13.2	13.0	11.2
United Kingdom, England * ¶ #	116.8	100	13.1	11.2	6.9	5.9	6.9	5.9					29.3	25.1	7.1	6.1	2.4	2.0	20.8	17.8	15.5	13.2	14.9	12.7
United Kingdom, Northern Ireland * #	120.8	100	13.4	11.1	9.1	7.6	6.4	5.3					29.5	24.4					33.8	28.0	19.3	16.0	4.8	4.0
United Kingdom, Scotland	105.6	100	17.8	16.8	7.4	7.0	7.2	6.8					31.6	29.9	3.9	3.7	1.7	1.6	24.4	23.1	11.5	10.9	0.2	0.2
United Kingdom, Wales * #	118.9	100	19.0	15.9	7.4	6.2	8.0	6.8					29.6	24.9	3.5	3.0			25.7	21.6	17.0	14.3	7.7	6.5

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

* Patients younger than 20 years of age are not reported

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

‡ Mapping the 2012 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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	126.3	14.2	3.9	5.8	4.3	29.1	33.5	13.3	15.0	29.2	11.5	0
Belgium, Dutch-speaking *	165.8	17.1	6.4	10.4	3.0	32.3	35.4	16.4	6.2	59.1	14.6	0
Belgium, French-speaking *	197.4	17.2	7.8	10.4	3.7	40.9	44.6	39.3	1.2	59.0	18.0	0
Bosnia and Herzegovina	118.5	11.1	10.1	3.8	13.2	26.5	39.7	14.2	1.2	24.5	13.9	0
Denmark	122.2	14.6	5.9	8.7	8.5	22.8	31.3	20.9	0.7	21.4	18.7	0
Estonia	87.2	10.4	3.5	9.2			15.2	30.6	0	17.6	0.7	0
Finland	95.6	13.0	6.3	10.7	17.2	15.4	32.6	6.4	0.4	16.1	10.0	0
France	157.7	20.1	7.9	9.3			37.1	36.9	1.4	22.7	22.4	0
Greece	209.7	16.6	9.5	9.4	3.4	52.1	55.6	21.1	2.2	26.6	68.8	0
Iceland	104.0	24.6	3.5	13.9	0	15.9	15.9	23.7	3.5	12.7	6.2	0
Norway	110.1	18.6	4.6	8.0	3.3	14.0	17.3	35.4	0.5	21.6	3.9	0.2
Romania	173.3	18.8	6.2	3.3			17.4	10.1	0.6	30.4	86.5	0
Serbia □	79.4	5.8	5.9	3.8			17.5	24.4	0.5	11.1	10.3	0
Spain, Andalusia	137.8	18.3	6.1	8.3			36.1	16.5	1.0	26.2	25.0	0.3
Spain, Aragon	114.7	20.0	4.9	6.7	4.5	22.1	26.6	11.1	0	19.0	26.5	0
Spain, Asturias	146.2	23.9	5.2	10.5	1.6	29.0	30.6	29.1	3.2	22.2	17.7	3.7
Spain, Basque country	116.1	16.3	5.7	8.6	2.7	19.6	22.3	18.3	1.0	21.0	22.9	0
Spain, Cantabria *	92.5	19.8	4.4	6.2	1.5	17.0	18.5	9.9	6.8	15.9	6.4	4.6
Spain, Castile and León * ‡	99.0	11.5	5.0	4.9	3.8	23.8	27.6	16.6	0	15.1	18.4	0
Spain, Castile-La Mancha *	136.8	16.2	6.3	8.7			33.0	6.9	4.1	24.9	36.8	0
Spain, Catalonia	162.3	21.3	7.4	10.0	1.7	31.1	33.7	11.4	4.4	13.8	60.2	0
Spain, Extremadura	99.5	15.8	5.8	6.8			28.5	7.9	3.9	8.9	20.9	1.0
Spain, Galicia	120.2	16.3	5.3	10.5	5.2	25.9	31.1	9.9	0	21.9	25.1	0
Spain, Community of Madrid	138.6	21.8	3.5	9.3	2.0	34.8	36.8	19.3	3.6	31.5	12.9	0
Spain, Region of Murcia	152.4	30.7	9.0	12.8			35.7	13.1	9.6	11.3	30.1	0
Spain, Navarre *	118.9	12.2	4.2	16.2	2.9	28.0	30.9	12.2	1.2	20.8	21.2	0
Spain, Valencian region	164.4	17.1	10.1	8.5			34.1	30.9	8.9	22.7	31.9	0
Sweden ‡	115.0	15.4	4.9	8.8	8.8	21.9	30.7	21.0	1.2	22.3	10.6	0
Switzerland	97.0	11.7	2.0	6.4	3.3	17.3	20.6	17.3	3.8	27.0	8.4	0
the Netherlands	112.0	10.4	4.1	6.4	3.0	18.3	21.3	13.5	13.0	21.0	12.4	9.7
United Kingdom, All countries * ¶ #	116.5	14.0	7.0	7.1			29.7	6.6	2.2	21.5	15.3	13.0
United Kingdom, England * ¶ #	117.9	13.4	6.9	7.1			29.7	7.2	2.3	20.8	15.5	15.0
United Kingdom, Northern Ireland * #	129.8	14.2	9.9	7.0			31.7			36.6	20.6	5.2
United Kingdom, Scotland	103.6	17.6	7.5	6.8			30.7	3.9	1.6	23.8	11.5	0.2
United Kingdom, Wales * #	110.7	18.1	6.6	8.1			27.3	3.3		23.8	15.7	6.9

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

* Patients younger than 20 years of age are not reported

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

‡ Mapping the 2012 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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	1155	891	0	21	15	83	1010	24	84	7	115	20	10	0	30	0	0
Belgium, Dutch-speaking *	1214	798	1	0	2	275	1076	58	59	0	117	8	13	0	21	0	0
Belgium, French-speaking *	906	581	9	0	11	187	788	22	67	0	89	14	15	0	29	0	0
Bosnia and Herzegovina	397	370	0	0	0	16	386	0	10	0	10	1	0	0	1	0	0
Denmark &	740	450	1	0			451	92	135	0	227	33	29	0	62	0	0
Estonia	112	93	0	0	0	0	93	14	5	0	19	0	0	0	0	0	0
Finland	560	373	18	0	0	2	393	54	111	0	165	2	0	0	2	0	0
France	11033	7540	2	8	18	1846	9414	270	880	3	1153	173	267	0	440	0	0
Greece	2702	2502	0	0	0	24	2526	53	117	0	170	6	0	0	6	0	0
Iceland	30	23	0	0			23	0	0	5	5	2	0	0	2	0	0
Norway	556	342	0	0			342			149	149	24	41	0	65	0	0
Romania	3454	3374	0	0	0	10	3384	2	44	0	46	8	16	0	24	0	0
Serbia □	618	564	0	1	1	9	575	4	31	0	35	2	3	0	5	0	3
Spain, Andalusia	1133	929	1	0			930			149	149	24	30	0	54	0	0
Spain, Aragon	165	113	0	0		13	126	0	28	0	28	7	4	0	11	0	0
Spain, Asturias	188	146	0	0		1	147	8	25	0	33	4	4	0	8	0	0
Spain, Basque country	284	196	1	0			197	6	65	0	71	11	5	0	16	0	0
Spain, Cantabria *	59	43	0	0			43	5	7	0	12	0	4	0	4	0	0
Spain, Castile and León *	308	248	1	0			249	21	36	0	57			2	2	0	0
Spain, Castile-La Mancha *	287	229	0	0			229	10	44	0	54	1	3	0	4	0	0
Spain, Catalonia	1260	707	1	0		266	974	23	167	0	190	72	24	0	96	0	0
Spain, Extremadura	120	105	0	0			105	9	6	0	15	0	0	0	0	0	0
Spain, Galicia	399	293	3	0	0	0	296	13	68	0	81	17	5	0	22	0	0
Spain, Community of Madrid	870	698	0	0			698	26	113	0	139	12	21	0	33	0	0
Spain, Region of Murcia	202	170	0	0	0	1	171	2	22	0	24	5	2	0	7	0	0
Spain, Navarre *	82	59	1	0			60	15	2	0	17	1	4	0	5	0	0
Spain, Valencian region	858	677	3	0			680	12	151	0	163	7	8	0	15	0	0
Sweden	1204	730	10	0			740			396	396	35	33	0	68	0	0
Switzerland	844	651	4	28	0	0	683	22	77	3	102	44	14	0	58	1	0
the Netherlands	1906	1340	2	0			1342	55	235	0	290	239	35	0	274	0	0
United Kingdom, All countries * ¶ § #	7607	4832	19		16	635	5503	688	830	25	1543	262	277	22	561	0	0
United Kingdom, England * ¶ #	6454	3976	16		16	622	4631	574	735	25	1334	214	253	22	489	0	0
United Kingdom, Northern Ireland * #	225	162		0	0		164	34		0	36	21		0	25	0	0
United Kingdom, Scotland	571	434	0	0			434	57	46	0	103	20	14	0	34	0	0
United Kingdom, Wales * #	370	268		0	0	12	282	26	47	0	73	9	6	0	15	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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

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§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

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	132.8	102.4	0	2.4	1.7	9.5	116.1	2.8	9.7	0.8	13.2	2.3	1.1	0	3.4	0	0
Belgium, Dutch-speaking *	186.5	122.6	0.2	0	0.3	42.2	165.3	8.9	9.1	0	18.0	1.2	2.0	0	3.2	0	0
Belgium, French-speaking *	187.9	120.5	1.9	0	2.3	38.8	163.4	4.6	13.9	0	18.5	2.9	3.1	0	6.0	0	0
Bosnia and Herzegovina	112.4	104.8	0	0	0	4.5	109.3	0	2.8	0	2.8	0.3	0	0	0.3	0	0
Denmark &	127.9	77.8	0.2	0			78.0	15.9	23.3	0	39.2	5.7	5.0	0	10.7	0	0
Estonia	85.1	70.7	0	0	0	0	70.7	10.6	3.8	0	14.4	0	0	0	0	0	0
Finland	101.9	67.9	3.3	0	0	0.4	71.5	9.8	20.2	0	30.0	0.4	0	0	0.4	0	0
France	165.0	112.8	0	0.1	0.3	27.6	140.8	4.0	13.2	0	17.2	2.6	4.0	0	6.6	0	0
Greece	250.7	232.2	0	0	0	2.2	234.4	4.9	10.9	0	15.8	0.6	0	0	0.6	0	0
Iceland	89.4	68.6	0	0			68.6	0	0	14.9	14.9	6.0	0	0	6.0	0	0
Norway	106.2	65.3	0	0			65.3			28.5	28.5	4.6	7.8	0	12.4	0	0
Romania	177.1	173.0	0	0	0	0.5	173.5	0.1	2.3	0	2.4	0.4	0.8	0	1.2	0	0
Serbia □	87.6	79.9	0	0.1	0.1	1.3	81.5	0.6	4.4	0	5.0	0.3	0.4	0	0.7	0	0.4
Spain, Andalusia	134.8	110.5	0.1	0			110.6			17.7	17.7	2.9	3.6	0	6.4	0	0
Spain, Aragon	125.3	85.8	0	0		9.9	95.6	0	21.3	0	21.3	5.3	3.0	0	8.4	0	0
Spain, Asturias	180.6	140.3	0	0		1.0	141.2	7.7	24.0	0	31.7	3.8	3.8	0	7.7	0	0
Spain, Basque country	131.1	90.5	0.5	0			91.0	2.8	30.0	0	32.8	5.1	2.3	0	7.4	0	0
Spain, Cantabria *	101.4	73.9	0	0			73.9	8.6	12.0	0	20.6	0	6.9	0	6.9	0	0
Spain, Castile and León *	126.0	101.4	0.4	0			101.8	8.6	14.7	0	23.3			0.8	0.8	0	0
Spain, Castile-La Mancha *	140.3	112.0	0	0			112.0	4.9	21.5	0	26.4	0.5	1.5	0	2.0	0	0
Spain, Catalonia	167.5	94.0	0.1	0		35.4	129.5	3.1	22.2	0	25.3	9.6	3.2	0	12.8	0	0
Spain, Extremadura	110.3	96.5	0	0			96.5	8.3	5.5	0	13.8	0	0	0	0	0	0
Spain, Galicia	147.0	107.9	1.1	0	0	0	109.0	4.8	25.0	0	29.8	6.3	1.8	0	8.1	0	0
Spain, Community of Madrid	134.5	107.9	0	0			107.9	4.0	17.5	0	21.5	1.9	3.2	0	5.1	0	0
Spain, Region of Murcia	137.9	116.1	0	0	0	0.7	116.7	1.4	15.0	0	16.4	3.4	1.4	0	4.8	0	0
Spain, Navarre *	128.3	92.3	1.6	0			93.9	23.5	3.1	0	26.6	1.6	6.3	0	7.8	0	0
Spain, Valencian region	173.0	136.5	0.6	0			137.1	2.4	30.4	0	32.9	1.4	1.6	0	3.0	0	0
Sweden	121.3	73.6	1.0	0			74.6			39.9	39.9	3.5	3.3	0	6.9	0	0
Switzerland	100.8	77.7	0.5	3.3	0	0	81.6	2.6	9.2	0.4	12.2	5.3	1.7	0	6.9	0.1	0
the Netherlands	116.6	82.0	0.1	0			82.1	3.4	14.4	0	17.7	14.6	2.1	0	16.8	0	0
United Kingdom, All countries * ¶ § #	115.9	73.6	0.3		0.2	9.7	83.8	10.5	12.6	0.4	23.5	4.0	4.2	0.3	8.5	0	0
United Kingdom, England * ¶ #	116.8	71.9	0.3		0.3	11.3	83.8	10.4	13.3	0.5	24.1	3.9	4.6	0.4	8.8	0	0
United Kingdom, Northern Ireland * #	120.8	87.0		0	0		88.1	18.3		0	19.3	11.3		0	13.4	0	0
United Kingdom, Scotland	105.6	80.3	0	0			80.3	10.5	8.5	0	19.1	3.7	2.6	0	6.3	0	0
United Kingdom, Wales * #	118.9	86.1		0	0	3.9	90.6	8.4	15.1	0	23.4	2.9	1.9	0	4.8	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

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Values based on 1 to 5 patients are suppressed

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

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Unkn	Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx		
Austria	126.3	97.4	0	2.3	1.7	9.0	110.3	2.6	9.3	0.7	12.6	2.2	1.1	0	3.3	0	0
Belgium, Dutch-speaking *	165.8	108.4	0.2	0	0.3	37.1	146.0	8.3	8.3	0	16.7	1.2	1.9	0	3.1	0	0
Belgium, French-speaking *	197.4	126.8	2.0	0	2.4	40.9	172.0	4.9	14.3	0	19.2	3.0	3.2	0	6.3	0	0
Bosnia and Herzegovina	118.5	110.7	0	0	0	4.9	115.6	0	2.7	0	2.7	0.3	0	0	0.3	0	0
Denmark &	122.2	73.6	0.2	0			73.8	15.3	22.4	0	37.8	5.8	4.8	0	10.6	0	0
Estonia	87.2	72.9	0	0	0	0	72.9	10.3	4.0	0	14.3	0	0	0	0	0	0
Finland	95.6	63.0	3.3	0	0	0.3	66.6	9.7	18.8	0	28.6	0.4	0	0	0.4	0	0
France	157.7	107.4	0	0.1	0.2	26.4	134.2	4.0	12.3	0	16.3	2.7	4.1	0	6.8	0	0
Greece	209.7	193.4	0	0	0	2.0	195.3	4.4	9.4	0	13.8	0.6	0	0	0.6	0	0
Iceland	104.0	80.7	0	0			80.7	0	0	15.7	15.7	7.6	0	0	7.6	0	0
Norway	110.1	67.5	0	0			67.5			30.0	30.0	4.5	8.0	0	12.6	0	0
Romania	173.3	169.3	0	0	0	0.5	169.8	0.1	2.2	0	2.3	0.4	0.8	0	1.2	0	0
Serbia □	79.4	72.3	0	0.1	0.1	1.1	73.7	0.5	4.0	0	4.6	0.3	0.4	0	0.7	0	0.4
Spain, Andalusia	137.8	113.3	0.1	0			113.4			18.0	18.0	2.9	3.6	0	6.4	0	0
Spain, Aragon	114.7	78.4	0	0		8.9	87.3	0	18.7	0	18.7	5.1	3.6	0	8.7	0	0
Spain, Asturias	146.2	111.4	0	0		0.8	112.2	7.8	18.5	0	26.4	3.3	4.4	0	7.7	0	0
Spain, Basque country	116.1	78.0	0.4	0			78.4	2.9	27.1	0	29.9	5.6	2.2	0	7.8	0	0
Spain, Cantabria *	92.5	65.2	0	0			65.2	10.0	11.1	0	21.1	0	6.3	0	6.3	0	0
Spain, Castile and León *	99.0	78.0	0.3	0			78.4	8.2	11.7	0	19.8			0.8	0.8	0	0
Spain, Castile-La Mancha *	136.8	108.4	0	0			108.4	5.0	21.4	0	26.4	0.6	1.4	0	2.0	0	0
Spain, Catalonia	162.3	90.7	0.1	0		34.2	125.0	3.0	22.0	0	24.9	9.3	3.1	0	12.3	0	0
Spain, Extremadura	99.5	86.6	0	0			86.6	7.7	5.2	0	13.0	0	0	0	0	0	0
Spain, Galicia	120.2	86.2	1.0	0	0	0	87.2	4.0	21.3	0	25.3	5.9	1.8	0	7.7	0	0
Spain, Community of Madrid	138.6	110.8	0	0			110.8	4.2	18.2	0	22.4	1.9	3.4	0	5.3	0	0
Spain, Region of Murcia	152.4	128.9	0	0	0	0.8	129.7	1.3	16.5	0	17.8	3.6	1.3	0	4.9	0	0
Spain, Navarre *	118.9	85.2	1.4	0			86.6	21.8	3.3	0	25.1	1.4	5.8	0	7.2	0	0
Spain, Valencian region	164.4	129.1	0.6	0			129.7	2.4	29.3	0	31.7	1.5	1.5	0	3.0	0	0
Sweden	115.0	69.6	1.0	0			70.6			37.4	37.4	3.6	3.4	0	7.0	0	0
Switzerland	97.0	74.7	0.5	3.3	0	0	78.4	2.6	8.8	0.3	11.7	5.1	1.7	0	6.8	0.1	0
the Netherlands	112.0	78.9	0.1	0			79.0	3.2	13.6	0	16.8	14.1	2.1	0	16.2	0	0
United Kingdom, All countries * ¶ § #	116.5	73.7	0.3		0.2	9.6	83.8	10.6	12.8	0.4	23.8	4.1	4.3	0.3	8.8	0	0
United Kingdom, England * ¶ #	117.9	72.5	0.3		0.3	11.2	84.3	10.6	13.5	0.4	24.6	4.0	4.7	0.4	9.1	0	0
United Kingdom, Northern Ireland * #	129.8	93.2		0	0		94.3	19.9		0	21.0	12.2		0	14.5	0	0
United Kingdom, Scotland	103.6	78.1	0	0			78.1	10.5	8.4	0	19.0	3.7	2.8	0	6.5	0	0
United Kingdom, Wales * #	110.7	79.5		0	0	3.4	83.5	8.1	14.4	0	22.5	2.9	1.8	0	4.7	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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

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	77.1	0	1.8	1.3	7.2	87.4	2.1	7.3	0.6	10.0	1.7	0.9	0	2.6	0	0
Belgium, Dutch-speaking *	100	65.7	0.1	0	0.2	22.7	88.6	4.8	4.9	0	9.6	0.7	1.1	0	1.7	0	0
Belgium, French-speaking *	100	64.1	1.0	0	1.2	20.6	87.0	2.4	7.4	0	9.8	1.5	1.7	0	3.2	0	0
Bosnia and Herzegovina	100	93.2	0	0	0	4.0	97.2	0	2.5	0	2.5	0.3	0	0	0.3	0	0
Denmark &	100	60.8	0.1	0			60.9	12.4	18.2	0	30.7	4.5	3.9	0	8.4	0	0
Estonia	100	83.0	0	0	0	0	83.0	12.5	4.5	0	17.0	0	0	0	0	0	0
Finland	100	66.6	3.2	0	0	0.4	70.2	9.6	19.8	0	29.5	0.4	0	0	0.4	0	0
France	100	68.5	0	0.1	0.2	16.8	85.5	2.5	8.0	0	10.5	1.6	2.4	0	4.0	0	0
Greece	100	92.6	0	0	0	0.9	93.5	2.0	4.3	0	6.3	0.2	0	0	0.2	0	0
Iceland	100	76.7	0	0			76.7	0	0	16.7	16.7	6.7	0	0	6.7	0	0
Norway	100	61.5	0	0			61.5			26.8	26.8	4.3	7.4	0	11.7	0	0
Romania	100	97.7	0	0	0	0.3	98.0	0.1	1.3	0	1.3	0.2	0.5	0	0.7	0	0
Serbia	100	91.3	0	0.2	0.2	1.5	93.0	0.6	5.0	0	5.7	0.3	0.5	0	0.8	0	0.5
Spain, Andalusia	100	82.0	0.1	0			82.1			13.2	13.2	2.1	2.6	0	4.8	0	0
Spain, Aragon	100	68.5	0	0		7.9	76.4	0	17.0	0	17.0	4.2	2.4	0	6.7	0	0
Spain, Asturias	100	77.7	0	0		0.5	78.2	4.3	13.3	0	17.6	2.1	2.1	0	4.3	0	0
Spain, Basque country	100	69.0	0.4	0			69.4	2.1	22.9	0	25.0	3.9	1.8	0	5.6	0	0
Spain, Cantabria *	100	72.9	0	0			72.9	8.5	11.9	0	20.3	0	6.8	0	6.8	0	0
Spain, Castile and León *	100	80.5	0.3	0			80.8	6.8	11.7	0	18.5			0.6	0.6	0	0
Spain, Castile-La Mancha *	100	79.8	0	0			79.8	3.5	15.3	0	18.8	0.3	1.0	0	1.4	0	0
Spain, Catalonia	100	56.1	0.1	0		21.1	77.3	1.8	13.3	0	15.1	5.7	1.9	0	7.6	0	0
Spain, Extremadura	100	87.5	0	0			87.5	7.5	5.0	0	12.5	0	0	0	0	0	0
Spain, Galicia	100	73.4	0.8	0	0	0	74.2	3.3	17.0	0	20.3	4.3	1.3	0	5.5	0	0
Spain, Community of Madrid	100	80.2	0	0			80.2	3.0	13.0	0	16.0	1.4	2.4	0	3.8	0	0
Spain, Region of Murcia	100	84.2	0	0	0	0.5	84.7	1.0	10.9	0	11.9	2.5	1.0	0	3.5	0	0
Spain, Navarre *	100	72.0	1.2	0			73.2	18.3	2.4	0	20.7	1.2	4.9	0	6.1	0	0
Spain, Valencian region	100	78.9	0.3	0			79.3	1.4	17.6	0	19.0	0.8	0.9	0	1.7	0	0
Sweden	100	60.6	0.8	0			61.5			32.9	32.9	2.9	2.7	0	5.6	0	0
Switzerland	100	77.1	0.5	3.3	0	0	80.9	2.6	9.1	0.4	12.1	5.2	1.7	0	6.9	0.1	0
the Netherlands	100	70.3	0.1	0			70.4	2.9	12.3	0	15.2	12.5	1.8	0	14.4	0	0
United Kingdom, All countries * § #	100	63.5	0.2		0.2	8.3	72.3	9.0	10.9	0.3	20.3	3.4	3.6	0.3	7.4	0	0
United Kingdom, England * #	100	61.6	0.2		0.2	9.6	71.8	8.9	11.4	0.4	20.7	3.3	3.9	0.3	7.6	0	0
United Kingdom, Northern Ireland * #	100	72.0		0	0		72.9	15.1		0	16.0	9.3		0	11.1	0	0
United Kingdom, Scotland	100	76.0	0	0			76.0	10.0	8.1	0	18.0	3.5	2.5	0	6.0	0	0
United Kingdom, Wales * #	100	72.4		0	0	3.2	76.2	7.0	12.7	0	19.7	2.4	1.6	0	4.1	0	0

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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

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

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

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

* Patients younger than 20 years of age are not reported

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	1065	744	321	19	2	14	2	5	2	97	9	65	9	32	10	374	35	263	35	111	35	293	28	207	28	86	27	282	26	195	26	87	27
Belgium, Dutch-speaking *	1124	716	408							65	6	37	5	28	7	241	21	167	23	74	18	305	27	194	27	111	27	513	46	318	44	195	48
Belgium, French-speaking *	853	503	350							70	8	34	7	36	10	249	29	157	31	92	26	260	30	149	30	111	32	274	32	163	32	111	32
Bosnia and Herzegovina	380	234	146	3	1	2	1	1	1	40	11	27	12	13	9	160	42	99	42	61	42	106	28	66	28	40	27	71	19	40	17	31	21
Denmark	701	481	220	10	1	4	1	6	3	87	12	58	12	29	13	221	32	154	32	67	30	203	29	138	29	65	30	180	26	127	26	53	24
Estonia †	109	74	35	1	1	0	0	1	3	20	18	14	19	6	17	43	39	29	39	14	40	28	26	21	28	7	20	17	16	10	14	7	20
Finland	552	364	188	5	1	2	1	3	2	89	16	57	16	32	17	197	36	128	35	69	37	148	27	101	28	47	25	113	20	76	21	37	20
France †	10266	6625	3641	132	1	77	1	55	2	898	9	545	8	353	10	2614	25	1669	25	945	26	2671	26	1781	27	890	24	3952	38	2553	39	1399	38
Greece	2422	1610	812	23	1	16	1	7	1	111	5	72	4	39	5	562	23	390	24	172	21	640	26	446	28	194	24	1086	45	686	43	400	49
Iceland	29	18	11	0	0	0	0	0	0	4	14	1	6	3	27	10	34	7	39	3	27	10	34	8	44	2	18	5	17	2	11	3	27
Norway	530	343	187	7	1	2	1	5	3	78	15	33	10	45	24	164	31	111	32	53	28	141	27	97	28	44	24	140	26	100	29	40	21
Romania	2819	1631	1188	28	1	14	1	14	1	348	12	215	13	133	11	1157	41	712	44	445	37	794	28	441	27	353	30	492	17	249	15	243	20
Serbia † □	608	408	200	12	2	10	2	2	1	56	9	39	8	17	10	254	43	170	43	84	42	194	31	135	33	59	28	92	16	54	14	38	18
Spain, Andalusia	1098	665	433	20	2	10	2	10	2	103	9	64	10	39	9	408	37	253	38	155	36	298	27	183	28	115	27	269	24	155	23	114	26
Spain, Aragon	161	107	54	3	2	1	1	2	4	18	11	11	10	7	13	54	34	37	35	17	31	36	22	28	26	8	15	50	31	30	28	20	37
Spain, Asturias †	180	134	46	4	2	3	2	1	2	12	7	10	7	2	4	70	39	50	37	20	43	48	27	34	25	14	30	47	26	37	28	10	22
Spain, Basque country	274	182	92	1	0	1	1	0	0	39	14	21	12	18	20	96	35	60	33	36	39	64	23	49	27	15	16	74	27	51	28	23	25
Spain, Cantabria *	55	40	15							8	15	4	10	4	27	16	29	11	28	5	33	18	33	13	33	5	33	13	24	12	30	1	7
Spain, Castile and León *	300	202	98							27	9	16	8	11	11	76	25	49	24	27	28	73	24	50	25	23	23	124	41	87	43	37	38
Spain, Castile-La Mancha *	276	187	89							26	9	20	11	6	7	87	32	61	33	26	29	64	23	43	23	21	24	99	36	63	34	36	40
Spain, Catalonia †	1201	811	391	11	1	7	1	4	1	116	10	73	9	42	11	362	30	259	32	104	27	323	27	215	27	108	28	389	32	257	32	133	34
Spain, Extremadura	115	77	38	0	0	0	0	0	0	9	8	6	8	3	8	42	37	30	39	12	32	28	24	18	23	10	26	36	31	23	30	13	34
Spain, Galicia †	394	268	125	1	0	0	0	1	1	37	9	26	10	11	9	128	32	90	34	38	30	105	27	75	28	31	25	122	31	78	29	44	35
Spain, Community of Madrid	842	570	272	5	1	4	1	1	0	96	11	51	9	45	17	260	31	176	31	84	31	236	28	167	29	69	25	245	29	172	30	73	27
Spain, Region of Murcia	191	122	69	5	3	3	2	2	3	15	8	11	9	4	6	75	39	45	37	30	43	45	24	31	25	14	20	51	27	32	26	19	28
Spain, Navarre *	76	61	15							8	11	8	13	0	0	25	33	18	30	7	47	25	33	22	36	3	20	18	24	13	21	5	33
Spain, Valencian region	839	572	267	3	0	2	0	1	0	89	11	52	9	37	14	247	29	169	30	78	29	223	27	166	29	57	21	277	33	183	32	94	35
Sweden	1099	723	376	26	2	14	2	12	3	129	12	81	11	48	13	332	30	217	30	115	31	327	30	222	31	105	28	285	26	189	26	96	26
Switzerland †	821	529	292	13	2	6	1	7	2	87	11	55	10	32	11	278	34	172	33	106	36	215	26	134	25	81	28	229	28	162	31	67	23
the Netherlands †	1800	1140	660	23	1	13	1	10	2	194	11	122	11	72	11	574	32	350	31	224	34	515	29	331	29	184	28	494	27	324	28	170	26
United Kingdom, All countries * † ¶	7216	4539	2677							1100	15	654	15	446	17	2652	37	1641	36	1011	37	1782	25	1139	25	643	24	1683	23	1106	24	577	22
United Kingdom, England * † ¶	6113	3872	2241							933	15	560	15	373	17	2250	37	1398	36	852	38	1506	25	977	25	530	24	1424	23	938	24	486	22
United Kingdom, Northern Ireland * †	217	128	89							30	13	17	13	14	13	73	34	46	36	27	32	63	28	37	27	26	28	51	25	29	24	22	27
United Kingdom, Scotland	542	327	215	13	2	9	3	4	2	103	19	57	17	46	21	190	35	119	36	71	33	123	23	67	20	56	26	113	21	75	23	38	18
United Kingdom, Wales * †	357	221	136							36	11	22	11	14	10	135	38	77	34	58	45	88	24	56	25	32	23	98	27	66	30	32	21

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 are estimated (see methods)

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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	122.4	174.1	72.5	11.1	15.9	6.0	33.5	44.3	22.4	150.2	212.6	88.6	350.7	533.1	192.3	366.5	651.6	185.0
Belgium, Dutch-speaking *	172.7	222.4	124.0				32.3	36.4	28.1	133.2	182.9	82.5	470.6	616.7	332.9	816.3	1249.4	521.5
Belgium, French-speaking *	176.9	213.2	142.1				43.2	41.7	44.7	199.7	254.0	146.4	616.4	761.5	490.9	719.5	1162.1	461.4
Bosnia and Herzegovina	107.6	135.1	81.2	3.8	5.0	2.6	32.7	43.4	21.6	157.0	199.3	116.7	360.5	511.9	242.3	341.4	498.6	242.7
Denmark	121.2	167.1	75.7	7.5	5.9	9.3	47.3	62.1	32.0	144.7	201.0	88.1	315.3	441.0	196.4	404.1	683.9	204.1
Estonia †	83.1	120.5	50.1	2.4	0	7.6	45.6	62.5	27.7	124.5	178.8	76.5	220.8	423.5	89.8	137.0	283.3	78.9
Finland	100.4	134.5	67.4	4.2	3.3	5.1	52.2	65.0	38.5	135.2	176.4	94.3	229.0	329.6	138.3	230.5	405.9	122.1
France †	153.6	204.7	105.6	8.0	9.2	6.8	44.1	54.0	34.3	150.6	197.4	106.1	404.4	574.0	254.0	647.2	1090.9	371.5
Greece	224.8	308.3	146.2	11.0	14.9	6.9	32.2	41.7	22.7	191.7	278.0	112.5	572.6	854.8	325.6	913.7	1370.6	581.3
Iceland	86.5	106.4	66.2	0	0	0	33.9	16.4	52.3	122.2	170.8	73.4	373.6	596.3	149.8	250.1	229.3	266.3
Norway	101.3	130.1	72.0	5.5	3.1	8.1	44.1	36.2	52.3	122.6	162.6	80.9	283.3	394.8	174.5	381.4	666.8	184.2
Romania	144.5	171.1	119.1	6.8	6.6	7.0	52.3	62.8	41.1	217.5	272.1	164.7	424.5	544.4	332.9	315.2	434.2	246.1
Serbia † □	86.2	118.7	55.3	8.8	14.2	3.0	24.2	32.9	15.2	126.3	174.4	81.2	252.1	391.2	139.1	158.2	235.7	107.6
Spain, Andalusia	130.6	160.0	101.9	11.1	10.7	11.4	35.4	43.4	27.2	177.3	221.2	133.9	410.0	533.5	299.6	407.0	592.4	285.5
Spain, Aragon	122.2	164.1	81.1	12.1	7.8	16.7	43.0	51.2	34.3	145.4	196.9	92.6	276.7	452.6	117.2	334.4	500.9	223.1
Spain, Asturias †	172.9	268.4	85.3	26.3	38.3	13.5	37.1	61.0	12.8	218.4	320.2	121.6	393.3	607.9	209.4	351.9	751.9	115.9
Spain, Basque country	126.5	173.4	82.4	2.5	4.8	0	59.8	64.0	55.5	150.3	190.8	111.0	271.5	444.3	119.6	311.5	564.2	156.3
Spain, Cantabria *	94.5	140.7	50.4				43.5	42.9	44.1	92.4	128.1	57.3	301.5	461.5	158.6	209.9	509.8	26.0
Spain, Castile and León *	122.7	167.1	79.3				37.3	43.0	31.2	104.8	132.8	75.9	274.3	384.8	168.9	373.3	652.8	186.0
Spain, Castile-La Mancha *	135.0	182.0	87.5				37.5	55.7	18.0	157.0	214.6	96.4	374.3	521.1	237.4	475.3	731.5	294.7
Spain, Catalonia †	159.7	219.3	102.1	7.0	8.4	5.4	44.5	55.5	33.1	180.1	259.2	102.2	468.6	670.3	292.9	564.8	959.1	314.6
Spain, Extremadura	105.7	142.8	69.3	0	0	0	25.1	32.7	17.2	137.2	192.1	80.0	282.5	380.8	192.9	305.6	495.2	182.2
Spain, Galicia †	145.0	204.5	89.3	2.3	0	4.8	44.1	60.9	27.0	164.7	235.8	96.2	336.1	508.4	184.1	349.6	575.2	206.9
Spain, Community of Madrid	130.2	184.0	80.8	3.8	6.0	1.6	41.5	44.7	38.4	149.5	212.2	92.3	418.7	657.7	222.8	454.4	850.4	216.7
Spain, Region of Murcia	130.4	166.3	94.4	14.8	17.2	12.2	28.3	40.1	15.6	200.3	239.1	161.2	404.4	593.8	237.0	464.2	722.2	289.8
Spain, Navarre *	119.0	192.8	46.5				39.0	76.7	0	140.9	200.1	80.0	407.6	741.0	94.8	287.4	523.9	132.2
Spain, Valencian region	169.2	233.6	106.3	3.0	3.9	2.1	52.7	60.3	44.8	180.8	249.2	113.4	468.4	742.3	225.8	626.8	1033.0	355.0
Sweden	110.8	145.4	75.9	11.5	12.0	10.9	39.8	48.8	30.4	135.1	174.9	94.5	295.5	407.8	186.7	333.2	525.3	193.7
Switzerland †	98.1	127.5	69.2	7.7	6.9	8.6	30.7	38.5	22.7	117.9	145.1	90.3	265.1	344.8	191.9	327.9	581.0	159.6
the Netherlands †	110.1	140.6	80.1	6.3	6.9	5.6	38.3	47.8	28.6	124.4	151.3	97.3	298.1	389.7	209.4	389.1	623.5	226.7
United Kingdom, All countries * † ¶	109.9	140.2	80.5				51.1	60.6	41.5	157.3	197.7	118.2	274.6	364.4	191.1	316.0	494.6	186.8
United Kingdom, England * † ¶	110.6	141.8	80.1				51.2	61.1	41.2	160.0	201.5	119.6	278.3	374.5	188.8	318.5	497.8	187.9
United Kingdom, Northern Ireland * †	116.5	140.2	93.6				50.0	55.5	44.6	153.3	195.7	112.2	381.4	468.6	301.0	384.7	533.7	282.1
United Kingdom, Scotland	100.3	124.5	77.4	11.2	15.2	7.1	58.7	65.8	51.7	127.4	164.4	92.5	221.0	252.5	192.3	255.5	418.9	144.3
United Kingdom, Wales * †	114.6	144.1	85.9				37.5	45.2	29.7	164.7	192.7	137.9	249.5	326.9	176.5	346.3	552.4	194.8

* Patients younger than 20 years of age are not reported

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

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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

	All				Men				Women			
	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Austria	100	63.9	15.5	66.9	69.9	64.1	15.4	66.9	30.1	63.6	15.7	67.1
Belgium, Dutch-speaking *	100	70.9	13.7	73.4	63.7	70.7	13.4	73.0	36.3	71.2	14.2	74.3
Belgium, French-speaking *	100	67.1	14.2	69.3	59.0	67.5	13.4	68.7	41.0	66.7	15.4	69.8
Bosnia and Herzegovina	100	62.1	14.0	63.9	61.6	61.6	14.1	63.9	38.4	62.9	13.9	64.2
Denmark	100	63.1	16.3	67.2	68.6	63.3	15.9	67.1	31.4	62.5	17.1	67.6
Estonia †	100	60.4	16.7	62.9	68.0	59.2	16.7	62.3	32.0	63.1	16.7	64.5
Finland	100	61.0	16.1	64.0	65.9	61.5	15.5	64.3	34.1	60.1	17.1	63.3
France †	100	67.6	16.3	70.3	64.5	67.9	15.9	70.3	35.5	67.1	17.0	70.3
Greece	100	70.3	14.3	72.8	66.5	69.8	14.2	72.1	33.5	71.2	14.4	74.8
Iceland	100	61.6	13.7	65.0	62.1	62.8	10.9	65.3	37.9	59.6	17.7	60.2
Norway	100	62.9	17.4	66.2	64.7	65.1	15.7	67.3	35.3	58.7	19.5	62.5
Romania	100	61.4	14.4	63.7	57.9	60.7	14.1	62.6	42.1	62.4	14.7	65.0
Serbia †	100	61.8	13.9	64.1	67.1	62.0	13.7	64.2	32.9	61.5	14.4	63.0
Spain, Andalusia	100	63.3	15.7	65.7	60.6	63.1	15.5	65.5	39.4	63.6	16.0	66.0
Spain, Aragon	100	63.5	16.8	66.2	66.5	63.8	15.8	66.1	33.5	63.0	18.8	69.8
Spain, Asturias †	100	64.6	14.6	65.6	74.3	64.5	15.4	66.2	25.7	65.1	11.5	64.5
Spain, Basque country	100	63.4	15.8	65.1	66.4	65.0	15.0	69.5	33.6	60.3	16.9	60.5
Spain, Cantabria *	100	63.2	15.2	68.0	72.7	65.2	14.3	69.3	27.3	57.7	16.4	59.8
Spain, Castile and León *	100	68.4	14.1	71.5	67.3	68.9	13.5	71.3	32.7	67.4	15.3	71.9
Spain, Castile-La Mancha *	100	66.1	15.0	68.7	67.8	65.2	15.2	67.7	32.2	67.9	14.4	71.9
Spain, Catalonia †	100	65.8	15.5	68.6	67.5	66.1	14.7	68.6	32.5	65.0	16.9	68.6
Spain, Extremadura	100	65.5	13.7	66.7	67.0	65.3	13.4	65.9	33.0	65.9	14.6	67.0
Spain, Galicia †	100	66.2	14.1	68.7	68.2	65.7	14.2	68.1	31.8	67.4	13.9	70.2
Spain, Community of Madrid	100	64.9	15.4	67.7	67.7	65.9	15.0	68.7	32.3	62.9	16.2	65.6
Spain, Region of Murcia	100	63.5	15.5	65.2	63.9	63.6	15.7	65.6	36.1	63.3	15.2	63.9
Spain, Navarre *	100	64.5	13.4	67.4	80.3	64.3	13.9	67.4	19.7	65.6	11.8	69.6
Spain, Valencian region	100	66.0	15.2	68.9	68.2	66.3	14.4	69.0	31.8	65.2	16.9	68.5
Sweden	100	63.3	16.9	67.4	65.8	63.9	16.3	68.1	34.2	62.1	18.0	66.0
Switzerland †	100	63.6	16.6	66.5	64.4	64.6	16.2	66.9	35.6	61.8	17.0	65.3
the Netherlands †	100	64.1	15.9	67.3	63.3	64.6	15.9	67.9	36.7	63.3	16.0	66.4
United Kingdom, All countries * †	100	62.1	15.7	64.2	62.9	62.6	15.6	64.7	37.1	61.2	15.8	63.4
United Kingdom, England * †	100	62.1	15.7	64.2	63.3	62.6	15.6	64.7	36.7	61.1	15.9	63.4
United Kingdom, Northern Ireland * †	100	63.6	15.1	67.3	59.1	62.6	15.3	65.6	40.9	64.8	14.7	68.6
United Kingdom, Scotland	100	59.3	17.3	61.7	60.3	59.5	17.6	61.5	39.7	58.8	16.8	62.7
United Kingdom, Wales * †	100	64.5	15.0	65.6	62.0	65.2	15.4	66.7	38.0	63.2	14.1	64.3

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	116.4	165.1	70.0
Belgium, Dutch-speaking *	153.6	192.7	116.3
Belgium, French-speaking *	185.8	222.9	150.3
Bosnia and Herzegovina	114.7	144.0	86.7
Denmark	116.0	158.4	75.6
Estonia †	85.3	126.2	46.3
Finland	94.2	125.9	64.0
France †	146.9	191.6	104.2
Greece	188.8	251.9	128.6
Iceland	100.9	120.8	81.8
Norway	104.5	132.7	77.6
Romania	141.1	170.3	113.2
Serbia † □	78.3	107.1	50.9
Spain, Andalusia	133.5	162.4	106.0
Spain, Aragon	111.3	148.3	76.1
Spain, Asturias †	140.4	213.7	70.5
Spain, Basque country	112.4	149.6	76.8
Spain, Cantabria *	87.0	128.0	48.0
Spain, Castile and León *	96.1	126.5	67.2
Spain, Castile-La Mancha *	130.5	173.7	89.2
Spain, Catalonia †	154.4	211.3	100.1
Spain, Extremadura	94.7	126.6	64.3
Spain, Galicia †	118.7	164.8	74.7
Spain, Community of Madrid	133.9	188.0	82.3
Spain, Region of Murcia	144.4	184.2	106.5
Spain, Navarre *	109.4	176.1	45.8
Spain, Valencian region	160.8	220.0	104.3
Sweden	105.1	136.0	75.7
Switzerland †	94.5	121.2	68.9
the Netherlands †	105.9	132.8	80.2
United Kingdom, All countries * † ¶	110.5	138.5	83.9
United Kingdom, England * † ¶	111.7	140.8	84.0
United Kingdom, Northern Ireland * †	125.4	147.4	104.4
United Kingdom, Scotland	98.5	120.6	77.5
United Kingdom, Wales * †	107.2	131.4	84.2

* 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 is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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	122.4	100	14.5	11.8	3.8	3.1	6.2	5.1	4.3	3.5	29.0	23.7	33.2	27.1	13.0	10.6	15.1	12.3	26.0	21.2	10.7	8.7	0	0
Belgium, Dutch-speaking *	172.7	100	18.0	10.4	6.8	3.9	10.9	6.3	3.2	1.9	35.0	20.3	38.3	22.2	17.5	10.1	6.6	3.8	59.5	34.4	15.2	8.8	0	0
Belgium, French-speaking *	176.9	100	15.8	8.9	6.4	3.6	9.7	5.5	3.3	1.9	36.9	20.9	40.2	22.7	37.1	21.0	1.2	0.7	50.0	28.3	16.4	9.3	0	0
Bosnia and Herzegovina	107.6	100	11.6	10.8	9.6	8.9	4.0	3.7	11.3	10.5	23.8	22.1	35.1	32.6	13.6	12.6	0.6	0.5	21.0	19.5	12.2	11.3	0	0
Denmark	121.2	100	14.7	12.1	6.2	5.1	8.8	7.3	8.1	6.7	23.3	19.3	31.5	26.0	21.1	17.4	0.5	0.4	20.1	16.5	18.3	15.1	0	0
Estonia †	83.1	100	9.9	11.9	3.8	4.6	9.1	11.0					14.4	17.4	28.6	34.5	0	0	16.5	19.8	0.8	0.9	0	0
Finland	100.4	100	13.5	13.4	6.7	6.7	11.3	11.2	16.4	16.3	17.7	17.6	34.0	33.9	7.1	7.1	0.5	0.5	16.7	16.7	10.6	10.5	0	0
France †	153.6	100	19.1	12.4	7.7	5.0	9.0	5.9					36.5	23.7	37.3	24.3	1.4	0.9	21.1	13.8	21.5	14.0	0	0
Greece	224.8	100	17.2	7.6	10.0	4.5	9.9	4.4	3.3	1.5	58.8	26.2	62.2	27.7	24.4	10.9	2.6	1.2	23.8	10.6	74.7	33.2	0	0
Iceland	86.5	100	20.9	24.1	3.0	3.4	11.9	13.8	0	0	14.9	17.2	14.9	17.2	14.9	17.2	3.0	3.4	11.9	13.8	6.0	6.9	0	0
Norway	101.3	100	18.0	17.7	4.6	4.5	7.3	7.2	3.2	3.2	12.8	12.6	16.0	15.8	30.9	30.6	0.6	0.6	20.1	19.8	3.6	3.6	0.2	0.2
Romania	144.5	100	16.6	11.5	4.9	3.4	3.4	2.3					14.6	10.1	7.9	5.5	0.4	0.3	22.3	15.4	74.4	51.5	0	0
Serbia † □	86.2	100	7.2	8.4	6.4	7.5	4.8	5.5					20.4	23.7	27.4	31.8	0.6	0.7	10.8	12.5	8.5	9.9	0	0
Spain, Andalusia	130.6	100	18.1	13.8	5.7	4.4	8.4	6.5					34.3	26.2	15.3	11.7	0.8	0.6	23.7	18.1	23.8	18.2	0.5	0.4
Spain, Aragon	122.2	100	22.0	18.0	4.6	3.7	6.8	5.6	4.6	3.7	24.3	19.9	28.8	23.6	12.1	9.9	0	0	19.0	15.5	28.8	23.6	0	0
Spain, Asturias †	172.9	100	27.9	16.1	6.7	3.9	12.5	7.2	1.9	1.1	36.2	20.9	38.1	22.0	35.9	20.7	3.8	2.2	23.7	13.7	20.8	12.0	3.5	2.0
Spain, Basque country	126.5	100	17.5	13.9	6.0	4.7	9.2	7.3	2.8	2.2	21.2	16.8	24.0	19.0	20.3	16.1	0.9	0.7	23.5	18.6	24.9	19.7	0	0
Spain, Cantabria *	94.5	100	18.9	20.0	5.2	5.5	6.9	7.3	1.7	1.8	18.9	20.0	20.6	21.8	12.0	12.7	6.9	7.3	13.7	14.5	6.9	7.3	3.4	3.6
Spain, Castile and León * ‡	122.7	100	13.9	11.3	6.1	5.0	5.7	4.7	3.7	3.0	29.9	24.3	33.5	27.3	23.3	19.0	0	0	16.8	13.7	23.3	19.0	0	0
Spain, Castile-La Mancha *	135.0	100	16.1	12.0	5.9	4.3	8.8	6.5					31.3	23.2	7.8	5.8	3.4	2.5	24.9	18.5	36.7	27.2	0	0
Spain, Catalonia †	159.7	100	21.1	13.2	7.0	4.4	10.2	6.4	1.6	1.0	30.4	19.1	32.9	20.6	11.4	7.2	4.3	2.7	12.6	7.9	60.0	37.6	0	0
Spain, Extremadura	105.7	100	16.5	15.7	6.4	6.1	7.4	7.0					30.3	28.7	8.3	7.8	3.7	3.5	9.2	8.7	23.0	21.7	0.9	0.9
Spain, Galicia †	145.0	100	18.9	13.0	5.8	4.0	11.7	8.0	5.5	3.8	32.5	22.4	38.1	26.2	13.3	9.1	0	0	24.7	17.0	32.7	22.5	0	0
Spain, Community of Madrid	130.2	100	21.3	16.4	3.2	2.5	9.3	7.1	2.0	1.5	32.2	24.7	34.2	26.2	18.2	14.0	3.1	2.4	28.5	21.9	12.4	9.5	0	0
Spain, Region of Murcia	130.4	100	25.9	19.9	6.8	5.2	12.3	9.4					31.4	24.1	10.9	8.4	8.2	6.3	8.9	6.8	25.9	19.9	0	0
Spain, Navarre *	119.0	100	12.5	10.5	4.7	3.9	15.7	13.2	3.1	2.6	28.2	23.7	31.3	26.3	14.1	11.8	1.6	1.3	15.7	13.2	23.5	19.7	0	0
Spain, Valencian region	169.2	100	17.1	10.1	10.7	6.3	8.9	5.2					35.3	20.9	31.9	18.8	9.5	5.6	22.4	13.2	33.5	19.8	0	0
Sweden ‡	110.8	100	15.2	13.7	4.4	4.0	8.7	7.8	8.1	7.3	22.0	19.8	30.0	27.1	21.2	19.1	1.2	1.1	20.1	18.1	10.0	9.0	0	0
Switzerland †	98.1	100	12.0	12.3	2.0	2.1	6.4	6.5	3.3	3.4	17.7	18.0	21.0	21.4	17.5	17.9	3.9	4.0	26.8	27.3	8.4	8.6	0	0
the Netherlands †	110.1	100	10.6	9.6	3.8	3.4	6.7	6.1	3.0	2.7	19.0	17.3	22.0	20.0	13.3	12.1	12.8	11.7	19.3	17.5	12.4	11.3	9.2	8.3
United Kingdom, All countries * † ¶ #	109.9	100	13.4	12.2	6.9	6.3	6.8	6.2					28.2	25.6	6.4	5.8	2.0	1.8	20.1	18.3	14.6	13.2	11.6	10.6
United Kingdom, England * † ¶ #	110.6	100	12.8	11.5	6.8	6.1	6.7	6.1					28.0	25.3	6.9	6.3	2.1	1.9	19.3	17.5	14.8	13.3	13.3	12.0
United Kingdom, Northern Ireland * † #	116.5	100	13.4	11.5	9.1	7.8	6.4	5.5					28.8	24.7					31.7	27.2	18.6	16.0	4.1	3.5
United Kingdom, Scotland	100.3	100	17.0	17.0	7.4	7.4	7.2	7.2					28.9	28.8	3.7	3.7	1.7	1.7	23.1	23.1	11.1	11.1	0.2	0.2
United Kingdom, Wales * † #	114.6	100	18.5	16.2	7.4	6.4	8.0	7.0					29.1	25.4	3.5	3.1			24.4	21.3	15.3	13.4	7.3	6.4

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

* Patients younger than 20 years of age are not reported

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

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

‡ Mapping the 2012 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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	116.4	14.0	3.7	5.9	4.2	27.4	31.6	12.2	14.2	24.8	10.1	0
Belgium, Dutch-speaking *	153.6	16.5	6.0	10.4	3.0	31.3	34.4	15.5	5.4	51.8	13.7	0
Belgium, French-speaking *	185.8	16.3	6.8	10.1	3.5	39.3	42.8	38.3	1.2	52.7	17.6	0
Bosnia and Herzegovina	114.7	11.2	10.2	3.8	11.8	26.4	38.2	14.2	0.9	22.9	13.2	0
Denmark	116.0	14.3	5.9	8.5	8.3	21.5	29.8	20.1	0.5	19.1	17.7	0
Estonia †	85.3	10.3	3.5	9.2			15.4	29.5	0	16.8	0.7	0
Finland	94.2	13.0	6.2	10.7	17.0	15.3	32.3	6.3	0.4	15.6	9.8	0
France †	146.9	19.1	7.5	9.1			35.2	34.1	1.3	20.4	20.1	0
Greece	188.8	15.8	8.6	9.3	3.2	49.2	52.5	19.7	2.1	20.7	60.2	0
Iceland	100.9	24.8	3.5	13.9	0	16.0	16.0	20.3	3.5	12.9	6.0	0
Norway	104.5	18.4	4.5	7.7	3.3	13.1	16.4	32.3	0.5	20.7	3.7	0.2
Romania	141.1	16.4	4.9	3.2			14.0	7.6	0.4	21.9	72.8	0
Serbia † □	78.3	7.0	5.7	4.3			18.3	24.5	0.6	10.2	7.9	0
Spain, Andalusia	133.5	18.1	5.8	8.4			35.4	15.9	0.9	24.2	24.3	0.4
Spain, Aragon	111.3	19.9	4.9	6.0	4.5	21.2	25.7	11.1	0	17.3	26.5	0
Spain, Asturias †	140.4	23.8	5.2	10.4	1.6	28.2	29.8	27.6	3.2	21.5	16.9	2.8
Spain, Basque country	112.4	16.3	5.6	8.2	2.7	17.7	20.4	17.2	0.8	21.0	22.9	0
Spain, Cantabria *	87.0	16.7	4.4	6.2	1.5	17.0	18.5	10.2	6.9	14.5	6.4	3.2
Spain, Castile and León * ‡	96.1	10.8	5.0	4.9	3.7	22.9	26.6	16.4	0	14.8	17.7	0
Spain, Castile-La Mancha *	130.5	15.6	5.8	8.7			31.5	6.6	3.0	24.2	35.0	0
Spain, Catalonia †	154.4	20.6	6.8	9.9	1.5	29.6	32.1	10.9	4.3	12.3	57.5	0
Spain, Extremadura	94.7	15.8	5.6	6.8			27.5	7.0	3.3	8.0	19.7	1.0
Spain, Galicia †	118.7	16.7	4.9	10.1	5.2	26.3	31.4	10.0	0	20.8	24.7	0
Spain, Community of Madrid	133.9	21.8	3.4	9.3	2.0	33.8	35.8	18.5	3.2	29.5	12.5	0
Spain, Region of Murcia	144.4	28.9	7.6	12.8			35.0	12.2	9.6	9.1	29.2	0
Spain, Navarre *	109.4	12.2	4.2	14.5	2.9	26.0	28.8	12.4	1.2	14.7	21.3	0
Spain, Valencian region	160.8	16.7	10.2	8.5			33.5	29.8	8.7	21.4	32.0	0
Sweden ‡	105.1	15.0	4.2	8.7	8.2	20.1	28.3	19.1	1.2	19.2	9.4	0
Switzerland †	94.5	11.5	2.0	6.2	3.2	16.8	20.0	16.7	3.8	26.3	8.1	0
the Netherlands †	105.9	10.1	3.7	6.3	2.9	17.9	20.8	13.0	12.4	18.7	12.0	8.8
United Kingdom, All countries * † ¶ #	110.5	13.6	6.9	7.0			28.4	6.4	1.9	20.1	14.6	11.7
United Kingdom, England * † ¶ #	111.7	13.0	6.8	7.0			28.4	7.0	2.0	19.3	14.8	13.4
United Kingdom, Northern Ireland * † #	125.4	14.2	10.0	6.9			30.8			34.3	20.0	4.7
United Kingdom, Scotland	98.5	16.9	7.5	6.9			28.0	3.7	1.6	22.6	11.1	0.2
United Kingdom, Wales * † #	107.2	17.9	6.6	8.1			27.0	3.3		22.7	14.1	6.8

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

* Patients younger than 20 years of age are not reported

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

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

‡ Mapping the 2012 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

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		
Austria	1065	790	0	0	1	117	908	39	70	3	112	27	16	1	44	1	0
Belgium, Dutch-speaking *	1124	661	2	0	1	313	977	82	43	0	125	10	12	0	22	0	0
Belgium, French-speaking *	853	508	8	0	8	211	735	34	54	0	88	13	17	0	30	0	0
Bosnia and Herzegovina	380	351	0	0	0	17	368	0	10	0	10	2	0	0	2	0	0
Denmark &	701	413	3	0			416	93	123	0	216	40	29	0	69	0	0
Estonia †	109	84	0	0	0	0	84	14	6	0	20	1	4	0	5	0	0
Finland	552	316	23	0	0	38	377	83	83	0	166	3	6	0	9	0	0
France †	10266	6588	7	7	13	1942	8557	406	757	3	1166	209	325	0	534	9	0
Greece	2422	2095	0	0	0	144	2239	81	95	0	176	7	0	0	7	0	0
Iceland	29	21	0	0			21	0	0	6	6	2	0	0	2	0	0
Norway	530	313	0	0			313			140	140	26	51	0	77	0	0
Romania	2819	2717	0	0	0	9	2726	11	41	0	52	11	26	4	41	0	0
Serbia † □	608	517	0	2	1	21	542	7	52	0	58	6	2	0	8	0	0
Spain, Andalusia	1098	866	3	0			869			143	143	28	58	0	86	0	0
Spain, Aragon	161	106	0	0		15	121	2	26	0	28	6	6	0	12	0	0
Spain, Asturias †	180	131	1	0		1	134	12	24	0	36	4	7	0	11	0	0
Spain, Basque country	274	183	1	0			184	6	64	0	70	13	7	0	20	0	0
Spain, Cantabria *	55	39	0	0			39	5	6	0	11	0	5	0	5	0	0
Spain, Castile and León *	300	240	1	0			241	17	39	0	56			3	3	0	0
Spain, Castile-La Mancha *	276	215	0	0			215	9	40	0	49	1	11	0	12	0	0
Spain, Catalonia †	1201	430	0	0		483	913	63	122	0	185	71	33	0	104	0	0
Spain, Extremadura	115	99	0	0			99	8	7	0	15	1	0	0	1	0	0
Spain, Galicia †	394	285	3	0	0	0	288	17	68	0	85	17	4	0	21	0	0
Spain, Community of Madrid	842	664	0	0			664	31	108	0	139	10	26	0	36	3	0
Spain, Region of Murcia	191	108	0	0	0	48	156	4	24	0	28	5	2	0	7	0	0
Spain, Navarre *	76	54	1	0			55	15	1	0	16	1	4	0	5	0	0
Spain, Valencian region	839	653	5	0			658	11	151	0	162	10	9	0	19	0	0
Sweden	1099	626	9	0			635			377	377	44	43	0	87	0	0
Switzerland †	821	612	13	16	12	0	654	42	58	3	103	51	14	0	65	0	0
the Netherlands †	1800	1207	3	0			1210	117	185	0	302	255	33	0	288	0	0
United Kingdom, All countries * † ¶ § #	7216	4263	54		13	716	5047	795	701	16	1511	303	332	22	657		0
United Kingdom, England * † ¶ #	6113	3472	48		13	705	4239	670	619	16	1305	247	298	22	568		0
United Kingdom, Northern Ireland * † #	217	143		0	0		147	35		0	37	28	5	0	33	0	0
United Kingdom, Scotland	542	404	1	0			405	60	35	0	95	22	20	0	42	0	0
United Kingdom, Wales * † #	357	251		0	0	11	263	37	40	0	77	9	7	0	16	0	0

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

* 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 is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

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																Unkn	Missing
	All	Haemodialysis						Peritoneal dialysis				Kidney transplant						
	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			
Austria	122.4	90.8	0	0	0.1	13.4	104.4	4.5	8.0	0.3	12.9	3.1	1.8	0.1	5.1	0.1	0	
Belgium, Dutch-speaking *	172.7	101.6	0.3	0	0.2	48.1	150.1	12.6	6.6	0	19.2	1.5	1.8	0	3.4	0	0	
Belgium, French-speaking *	176.9	105.3	1.7	0	1.7	43.8	152.4	7.1	11.2	0	18.2	2.7	3.5	0	6.2	0	0	
Bosnia and Herzegovina	107.6	99.4	0	0	0	4.8	104.2	0	2.8	0	2.8	0.6	0	0	0.6	0	0	
Denmark &	121.2	71.4	0.5	0			71.9	16.1	21.3	0	37.3	6.9	5.0	0	11.9	0	0	
Estonia †	83.1	63.6	0	0	0	0	63.6	10.6	4.8	0	15.5	1.0	3.0	0	4.1	0	0	
Finland	100.4	57.5	4.2	0	0	6.9	68.6	15.1	15.1	0	30.2	0.5	1.1	0	1.6	0	0	
France †	153.6	98.5	0.1	0.1	0.2	29.0	128.0	6.1	11.3	0	17.4	3.1	4.9	0	8.0	0.1	0	
Greece	224.8	194.4	0	0	0	13.4	207.8	7.5	8.8	0	16.3	0.6	0	0	0.6	0	0	
Iceland	86.5	62.6	0	0			62.6	0	0	17.9	17.9	6.0	0	0	6.0	0	0	
Norway	101.3	59.8	0	0			59.8			26.7	26.7	5.0	9.7	0	14.7	0	0	
Romania	144.5	139.3	0	0	0	0.5	139.8	0.6	2.1	0	2.7	0.6	1.3	0.2	2.1	0	0	
Serbia † □	86.2	73.3	0	0.3	0.1	3.0	76.7	0.9	7.3	0	8.3	0.9	0.3	0	1.2	0	0	
Spain, Andalusia	130.6	103.0	0.4	0			103.4			17.0	17.0	3.3	6.9	0	10.2	0	0	
Spain, Aragon	122.2	80.5	0	0		11.4	91.9	1.5	19.7	0	21.3	4.6	4.6	0	9.1	0	0	
Spain, Asturias †	172.9	126.2	1.3	0		1.0	128.4	11.5	22.7	0	34.3	3.8	6.4	0	10.2	0	0	
Spain, Basque country	126.5	84.5	0.5	0			85.0	2.8	29.6	0	32.3	6.0	3.2	0	9.2	0	0	
Spain, Cantabria *	94.5	67.0	0	0			67.0	8.6	10.3	0	18.9	0	8.6	0	8.6	0	0	
Spain, Castile and León *	122.7	98.2	0.4	0			98.6	7.0	15.9	0	22.9			1.2	1.2	0	0	
Spain, Castile-La Mancha *	135.0	105.1	0	0			105.1	4.4	19.6	0	24.0	0.5	5.4	0	5.9	0	0	
Spain, Catalonia †	159.7	57.1	0	0		64.3	121.3	8.4	16.2	0	24.5	9.4	4.4	0	13.8	0	0	
Spain, Extremadura	105.7	91.0	0	0			91.0	7.4	6.4	0	13.8	0.9	0	0	0.9	0	0	
Spain, Galicia †	145.0	105.0	1.1	0	0	0	106.1	6.3	25.0	0	31.3	6.3	1.4	0	7.6	0	0	
Spain, Community of Madrid	130.2	102.7	0	0			102.7	4.8	16.7	0	21.5	1.5	4.0	0	5.6	0.5	0	
Spain, Region of Murcia	130.4	73.7	0	0	0	32.8	106.5	2.7	16.4	0	19.1	3.4	1.4	0	4.8	0	0	
Spain, Navarre *	119.0	84.5	1.6	0			86.1	23.5	1.6	0	25.0	1.6	6.3	0	7.8	0	0	
Spain, Valencian region	169.2	131.7	1.0	0			132.7	2.2	30.4	0	32.7	2.0	1.8	0	3.8	0	0	
Sweden	110.8	63.1	0.9	0			64.0			38.0	38.0	4.4	4.3	0	8.8	0	0	
Switzerland †	98.1	73.1	1.6	1.9	1.4	0	78.1	5.0	7.0	0.4	12.3	6.1	1.7	0	7.7	0	0	
the Netherlands †	110.1	73.8	0.2	0			74.0	7.2	11.3	0	18.5	15.6	2.0	0	17.6	0	0	
United Kingdom, All countries * † ¶ § #	109.9	64.9	0.8		0.2	10.9	76.9	12.1	10.7	0.2	23.0	4.6	5.1	0.3	10.0		0	
United Kingdom, England * † ¶ #	110.6	62.8	0.9		0.2	12.7	76.7	12.1	11.2	0.3	23.6	4.5	5.4	0.4	10.3		0	
United Kingdom, Northern Ireland * † #	116.5	77.0		0	0		78.8	19.0		0	20.0	14.9	2.9	0	17.7	0	0	
United Kingdom, Scotland	100.3	74.7	0.2	0			74.9	11.1	6.5	0	17.6	4.1	3.7	0	7.8	0	0	
United Kingdom, Wales * † #	114.6	80.5		0	0	3.4	84.6	11.8	13.0	0	24.7	2.9	2.4	0	5.2	0	0	

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

* 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 is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

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		
Austria	116.4	86.3	0	0	0.1	12.6	99.1	4.3	7.7	0.3	12.3	3.1	1.8	0.1	5.0	0.1	0
Belgium, Dutch-speaking *	153.6	89.8	0.3	0	0.1	42.4	132.6	11.7	6.0	0	17.7	1.5	1.8	0	3.3	0	0
Belgium, French-speaking *	185.8	110.6	1.8	0	1.8	46.1	160.3	7.4	11.6	0	19.0	2.8	3.6	0	6.4	0	0
Bosnia and Herzegovina	114.7	106.1	0	0	0	5.2	111.3	0	2.8	0	2.8	0.6	0	0	0.6	0	0
Denmark &	116.0	67.9	0.5	0			68.4	15.5	20.2	0	35.7	7.1	4.8	0	11.9	0	0
Estonia †	255.9	0	0	0	0	0	0	2.1	1.1	0	2.1	1.1	3.3	0	4.4	0	0
Finland	94.2	53.4	4.3	0	0	6.3	63.9	14.9	13.7	0	28.6	0.6	1.1	0	1.7	0	0
France †	440.6	0	0.1	0	0	1.8	0	2.1	0.1	0	1.0	0.5	0.7	0	1.1	0.2	0
Greece	188.8	161.8	0	0	0	12.0	173.8	6.7	7.6	0	14.3	0.7	0	0	0.7	0	0
Iceland	100.9	74.3	0	0			74.3	0	0	18.9	18.9	7.6	0	0	7.6	0	0
Norway	104.5	61.7	0	0			61.7			27.9	27.9	5.0	10.0	0	15.0	0	0
Romania	141.1	135.8	0	0	0	0.5	136.3	0.6	2.1	0	2.6	0.6	1.3	0.2	2.1	0	0
Serbia † □	235.0	0.5	0	0.2	0	1.6	1.0	0.3	3.5	0	3.9	0.6	0.2	0	0.8	0	0
Spain, Andalusia	133.5	105.7	0.4	0			106.0			17.2	17.2	3.3	6.9	0	10.2	0	0
Spain, Aragon	111.3	73.3	0	0		10.3	83.7	1.4	16.9	0	18.3	4.4	5.0	0	9.4	0	0
Spain, Asturias †	421.2	0	1.1	0		0	0	4.1	1.8	0	4.8	0	2.0	0	2.0	0	0
Spain, Basque country	112.4	73.0	0.4	0			73.4	2.9	26.5	0	29.4	6.6	3.0	0	9.6	0	0
Spain, Cantabria *	87.0	59.5	0	0			59.5	10.0	9.6	0	19.6	0	7.9	0	7.9	0	0
Spain, Castile and León *	96.1	75.1	0.3	0			75.4	6.8	12.6	0	19.5			1.3	1.3	0	0
Spain, Castile-La Mancha *	130.5	100.6	0	0			100.6	4.4	19.6	0	23.9	0.6	5.3	0	5.9	0	0
Spain, Catalonia †	463.2	0.2	0	0		28.0	0.5	5.4	0.2	0	1.1	0.3	1.2	0	1.0	0	0
Spain, Extremadura	94.7	80.8	0	0			80.8	6.8	6.1	0	13.0	0.9	0	0	0.9	0	0
Spain, Galicia †	356.1	0.4	0	0	0	0	0.4	1.1	0.4	0	1.3	0	0	0	0	0	0
Spain, Community of Madrid	133.9	105.2	0	0			105.2	5.0	17.4	0	22.4	1.7	4.2	0	5.9	0.5	0
Spain, Region of Murcia	144.4	81.6	0	0	0	37.1	118.7	2.6	18.1	0	20.7	3.7	1.3	0	5.0	0	0
Spain, Navarre *	109.4	77.1	1.4	0			78.5	22.0	1.6	0	23.6	1.4	5.9	0	7.3	0	0
Spain, Valencian region	160.8	124.4	1.0	0			125.4	2.3	29.3	0	31.5	2.2	1.7	0	3.9	0	0
Sweden	105.1	59.5	1.0	0			60.4			35.7	35.7	4.6	4.4	0	9.0	0	0
Switzerland †	283.4	0	1.1	0	1.4	0	0	2.3	0	0	0.3	0.8	0	0	0.8	0	0
the Netherlands †	105.9	71.1	0.2	0			71.3	6.9	10.7	0	17.6	15.0	2.0	0	17.0	0	0
United Kingdom, All countries * † ¶ § #	331.6	0	0.5		0.1	1.3	0	1.9	0.2	0.1	0.3	0.6	0.8	0	1.5		0
United Kingdom, England * † ¶ #	335.2	0	0.6		0.1	1.6	0	2.0	0.2	0.1	0.5	0.6	0.8	0	1.4		0
United Kingdom, Northern Ireland * † #	376.1	0		0	0		0	2.2		0	2.1	3.7	0.8	0	4.5	0	0
United Kingdom, Scotland	98.5	73.0	0.2	0			73.2	11.0	6.4	0	17.4	4.1	3.9	0	8.0	0	0
United Kingdom, Wales * † #	321.7	0.8		0	0	0.4	0.8	4.1	0.9	0	2.1	0.5	0.5	0	1.0	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

* 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 is underestimated by approximately 29% due to centers not submitting complete data for 2016

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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	74.2	0	0	0.1	11.0	85.3	3.7	6.6	0.3	10.5	2.5	1.5	0.1	4.1	0.1	0
Belgium, Dutch-speaking *	100	58.8	0.2	0	0.1	27.8	86.9	7.3	3.8	0	11.1	0.9	1.1	0	2.0	0	0
Belgium, French-speaking *	100	59.6	0.9	0	0.9	24.7	86.2	4.0	6.3	0	10.3	1.5	2.0	0	3.5	0	0
Bosnia and Herzegovina	100	92.4	0	0	0	4.5	96.8	0	2.6	0	2.6	0.5	0	0	0.5	0	0
Denmark &	100	58.9	0.4	0			59.3	13.3	17.5	0	30.8	5.7	4.1	0	9.8	0	0
Estonia †	100	76.5	0	0	0	0	76.5	12.8	5.8	0	18.6	1.2	3.7	0	4.9	0	0
Finland	100	57.2	4.2	0	0	6.9	68.3	15.0	15.0	0	30.1	0.5	1.1	0	1.6	0	0
France †	100	64.2	0.1	0.1	0.1	18.9	83.3	4.0	7.4	0	11.4	2.0	3.2	0	5.2	0.1	0
Greece	100	86.5	0	0	0	5.9	92.4	3.3	3.9	0	7.3	0.3	0	0	0.3	0	0
Iceland	100	72.4	0	0			72.4	0	0	20.7	20.7	6.9	0	0	6.9	0	0
Norway	100	59.1	0	0			59.1			26.4	26.4	4.9	9.6	0	14.5	0	0
Romania	100	96.4	0	0	0	0.3	96.7	0.4	1.5	0	1.8	0.4	0.9	0.1	1.5	0	0
Serbia †	100	85.0	0	0.4	0.2	3.5	89.0	1.1	8.5	0	9.6	1.0	0.4	0	1.4	0	0
Spain, Andalusia	100	78.9	0.3	0			79.1			13.0	13.0	2.6	5.3	0	7.8	0	0
Spain, Aragon	100	65.8	0	0		9.3	75.2	1.2	16.1	0	17.4	3.7	3.7	0	7.5	0	0
Spain, Asturias †	100	73.0	0.7	0		0.6	74.3	6.7	13.1	0	19.8	2.2	3.7	0	5.9	0	0
Spain, Basque country	100	66.8	0.4	0			67.2	2.2	23.4	0	25.5	4.7	2.6	0	7.3	0	0
Spain, Cantabria *	100	70.9	0	0			70.9	9.1	10.9	0	20.0	0	9.1	0	9.1	0	0
Spain, Castile and León *	100	80.0	0.3	0			80.3	5.7	13.0	0	18.7			1.0	1.0	0	0
Spain, Castile-La Mancha *	100	77.9	0	0			77.9	3.3	14.5	0	17.8	0.4	4.0	0	4.3	0	0
Spain, Catalonia †	100	35.8	0	0		40.2	76.0	5.2	10.1	0	15.4	5.9	2.8	0	8.7	0	0
Spain, Extremadura	100	86.1	0	0			86.1	7.0	6.1	0	13.0	0.9	0	0	0.9	0	0
Spain, Galicia †	100	72.4	0.8	0	0	0	73.2	4.3	17.3	0	21.6	4.3	0.9	0	5.2	0	0
Spain, Community of Madrid	100	78.9	0	0			78.9	3.7	12.8	0	16.5	1.2	3.1	0	4.3	0.4	0
Spain, Region of Murcia	100	56.5	0	0	0	25.1	81.7	2.1	12.6	0	14.7	2.6	1.0	0	3.7	0	0
Spain, Navarre *	100	71.1	1.3	0			72.4	19.7	1.3	0	21.1	1.3	5.3	0	6.6	0	0
Spain, Valencian region	100	77.8	0.6	0			78.4	1.3	18.0	0	19.3	1.2	1.1	0	2.3	0	0
Sweden	100	57.0	0.8	0			57.8			34.3	34.3	4.0	3.9	0	7.9	0	0
Switzerland †	100	74.6	1.6	1.9	1.5	0	79.6	5.1	7.1	0.4	12.6	6.2	1.7	0	7.9	0	0
the Netherlands †	100	67.1	0.2	0			67.2	6.5	10.3	0	16.8	14.2	1.8	0	16.0	0	0
United Kingdom, All countries * † § #	100	59.1	0.7		0.2	9.9	69.9	11.0	9.7	0.2	20.9	4.2	4.6	0.3	9.1		0
United Kingdom, England * † #	100	56.8	0.8		0.2	11.5	69.3	11.0	10.1	0.3	21.3	4.0	4.9	0.4	9.3		0
United Kingdom, Northern Ireland * † #	100	66.1		0	0		67.6	16.3		0	17.2	12.7	2.5	0	15.2	0	0
United Kingdom, Scotland	100	74.5	0.2	0			74.7	11.1	6.5	0	17.5	4.1	3.7	0	7.7	0	0
United Kingdom, Wales * † #	100	70.3		0	0	3.0	73.8	10.3	11.3	0	21.6	2.5	2.1	0	4.6	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
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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	85	11	4	0	58	16	26	0	70	14	15	0	80	14	6	0	89	11	1	0	96	4	0	0	85	10	5	0	86	11	3	0	89	8	2	0	84	11	5	0
Belgium, Dutch-speaking *	87	11	2	0					72	18	9	0	75	20	5	0	87	12	1	0	94	6	0	0	86	12	2	0	88	10	2	0	92	7	1	0	85	12	2	0
Belgium, French-speaking *	86	10	4	0					71	19	10	0	83	12	6	0	88	8	3	0	91	9	0	0	88	10	2	0	83	11	6	0	90	9	1	0	85	11	4	0
Bosnia and Herzegovina	97	3	1	0	67	0	33	0	90	8	3	0	98	3	0	0	97	3	0	0	100	0	0	0	97	2	0	0	96	3	1	0	94	6	0	0	98	1	1	0
Denmark	59	31	10	0	50	30	20	0	49	25	25	0	52	34	14	0	63	31	7	0	70	30	0	0	61	30	9	0	55	33	12	0	63	33	4	0	58	30	12	0
Estonia †	77	19	4	0	100	0	0	0	59	26	16	0	77	21	2	0	92	8	0	0	76	24	0	0	79	15	5	0	73	27	0	0	67	33	0	0	80	16	4	0
Finland	68	30	2	0	40	40	20	0	61	36	3	0	68	30	2	0	69	30	1	0	76	24	0	0	69	29	2	0	66	32	1	0	64	35	1	0	70	28	2	0
France †	83	11	5	0	53	21	27	0	67	15	18	0	80	11	9	0	87	10	3	0	88	12	1	0	84	11	5	0	82	12	6	0	89	9	2	0	82	12	6	0
Greece	92	7	0	0	61	30	9	0	88	10	2	0	92	8	1	0	91	9	0	0	95	5	0	0	92	8	0	0	93	7	0	0	94	6	0	0	92	8	0	0
Iceland	72	21	7	0	0	0	0	0	75	25	0	0	50	40	10	0	90	10	0	0	80	0	20	0	67	28	6	0	82	9	9	0	100	0	0	0	67	25	8	0
Norway	59	26	15	0	14	14	71	0	54	19	27	0	59	21	20	0	61	28	11	0	62	36	2	0	62	27	12	0	55	26	19	0	61	32	7	0	59	25	16	0
Romania	97	2	1	0	54	32	14	0	92	1	6	0	97	2	1	0	98	2	0	0	99	1	0	0	97	2	2	0	97	2	1	0	95	5	0	0	97	1	2	0
Serbia †	89	10	1	0	69	8	22	0	78	15	8	0	88	11	1	0	95	5	0	0	89	11	0	0	90	8	1	0	86	13	1	0	88	12	0	0	89	9	2	0
Spain, Andalusia	79	13	8	0	45	15	40	0	62	12	26	0	74	17	10	0	83	14	4	0	93	7	0	0	80	11	8	0	77	16	7	0	90	9	1	0	75	15	10	0
Spain, Aragon	75	17	7	0	67	0	33	0	72	6	22	0	67	22	11	0	81	17	3	0	82	18	0	0	73	20	7	0	80	13	7	0	84	16	0	0	72	18	10	0
Spain, Asturias †	74	20	6	0	0	50	50	0	71	20	9	0	75	20	5	0	74	22	4	0	80	16	4	0	74	22	4	0	74	14	12	0	80	20	0	0	73	20	8	0
Spain, Basque country	67	26	7	0	0	0	100	0	49	23	28	0	57	34	8	0	72	28	0	0	86	14	0	0	69	26	5	0	64	24	12	0	75	23	2	0	65	26	9	0
Spain, Cantabria *	71	20	9	0					63	38	0	0	75	13	13	0	72	11	17	0	69	31	0	0	68	25	8	0	80	7	13	0	83	8	8	0	67	23	9	0
Spain, Castile and León *	80	19	1	0					48	44	7	0	70	29	1	0	88	12	0	0	90	10	0	0	82	17	1	0	77	22	1	0	87	12	1	0	78	21	1	0
Spain, Castile-La Mancha *	78	18	4	0					54	38	8	0	68	24	8	0	81	16	3	0	91	8	1	0	77	19	4	0	80	15	6	0	83	17	0	0	76	18	6	0
Spain, Catalonia †	76	15	9	0	44	9	47	0	54	22	24	0	65	21	14	0	81	14	5	0	89	10	1	0	78	14	9	0	73	19	9	0	80	17	3	0	75	15	10	0
Spain, Extremadura	86	13	1	0	0	0	0	0	67	22	11	0	79	21	0	0	93	7	0	0	94	6	0	0	84	14	1	0	89	11	0	0	91	9	0	0	84	15	1	0
Spain, Galicia †	73	22	5	0	0	0	100	0	58	23	19	0	63	30	7	0	77	20	3	0	86	14	0	0	77	18	5	0	66	29	5	0	82	16	2	0	70	23	6	0
Spain, Community of Madrid	79	17	4	0	20	20	60	0	60	29	10	0	74	19	6	1	82	15	3	0	89	10	0	0	80	16	4	1	76	18	6	0	90	7	2	0	75	20	5	0
Spain, Region of Murcia	82	15	4	0	40	20	40	0	73	20	7	0	79	17	4	0	84	13	2	0	90	10	0	0	80	17	2	0	84	10	6	0	78	22	0	0	83	12	5	0
Spain, Navarre *	72	21	7	0					63	25	13	0	52	36	12	0	84	12	4	0	89	11	0	0	72	23	5	0	73	13	13	0	70	25	5	0	73	20	7	0
Spain, Valencian region	78	19	2	0	67	33	0	0	46	40	13	0	71	27	2	0	84	15	1	0	91	9	0	0	80	18	2	0	75	23	3	0	87	13	0	0	76	21	3	0
Sweden	58	34	8	0	31	38	31	0	47	34	19	0	56	31	13	0	62	35	3	0	62	37	1	0	57	35	8	0	59	33	9	0	63	34	3	0	56	35	10	0
Switzerland †	80	13	8	0	38	31	31	0	65	18	17	0	76	11	14	0	82	14	4	0	90	10	0	0	80	14	6	0	79	9	12	0	87	12	1	0	78	13	10	0
the Netherlands †	67	17	16	0	22	22	57	0	48	17	35	0	59	16	24	0	70	18	12	0	83	16	1	0	66	18	16	0	69	14	17	0	77	19	4	0	65	16	19	0
United Kingdom, All countries * †	70	21	9	0					52	28	19	0	66	22	12	0	74	20	6	0	83	16	1	0	71	20	9	0	68	22	10	0	75	21	4	0	68	21	11	0
United Kingdom, England * †	69	21	9	0					51	29	20	0	66	22	12	0	73	20	7	0	83	17	1	0	70	21	9	0	68	22	10	0	74	22	4	0	68	21	11	0
United Kingdom, Northern Ireland * †	68	17	15	0					37	31	32	0	64	12	24	0	78	15	7	0	78	20	3	0	74	14	12	0	59	21	20	0	80	11	10	0	64	19	17	0
United Kingdom, Scotland	75	18	8	0	62	23	15	0	61	20	18	0	72	20	8	0	84	12	4	0	84	16	0	0	75	16	9	0	74	20	7	0	81	16	3	0	72	18	10	0
United Kingdom, Wales * †	74	22	5	0					64	29	7	0	63	29	8	0	75	22	3	0	91	9	0	0	73	22	5	0	76	20	4	0	79	20	1	0	72	22	6	0

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

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

* Patients younger than 20 years of age are not reported

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

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															
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%														
Austria	9397	6059	3338	99	1	71	1	28	1	1242	13	766	13	476	14	3870	41	2506	41	1364	41	2321	25	1556	26	765	23	1865	20	1160	19	705	21
Belgium, Dutch-speaking *	8257	4993	3264							850	10	509	10	341	10	2706	33	1682	34	1024	31	2052	25	1272	25	780	24	2649	32	1530	31	1119	34
Belgium, French-speaking *	6317	3951	2366							724	11	437	11	287	12	2188	35	1389	35	799	34	1691	27	1066	27	625	26	1714	27	1059	27	655	28
Bosnia and Herzegovina	2679	1596	1083	19	1	12	1	7	1	450	17	283	18	167	15	1131	42	696	44	435	40	626	23	353	22	273	25	453	17	252	16	201	19
Denmark	5433	3423	2010	89	2	58	2	31	2	983	18	602	18	381	19	2177	40	1362	40	815	41	1342	25	861	25	481	24	842	15	540	16	302	15
Estonia	919	524	395	8	1	4	1	4	1	179	19	95	18	84	21	407	44	247	47	160	41	194	21	113	22	81	21	131	14	65	12	66	17
Finland	4861	3094	1767	121	2	70	2	51	3	724	15	467	15	257	15	2007	41	1250	40	757	43	1268	26	826	27	442	25	741	15	481	16	260	15
France	85471	52345	33126	930	1	550	1	380	1	11805	14	7152	14	4653	14	30739	36	18821	36	11918	36	20565	24	12932	25	7633	23	21432	25	12890	25	8542	26
Greece	13841	8990	4851	112	1	69	1	43	1	1519	11	982	11	537	11	4732	34	3159	35	1573	32	3398	25	2256	25	1142	24	4080	29	2524	28	1556	32
Iceland	224	138	86	5	2	3	2	2	2	62	28	34	25	28	33	84	38	54	39	30	35	52	23	32	23	20	23	21	9	15	11	6	7
Norway	4974	3231	1743	79	2	46	1	33	2	845	17	511	16	334	19	1986	40	1304	40	682	39	1234	25	813	25	421	24	830	17	557	17	273	16
Romania //	20445	11533	8912	122	1	62	1	60	1	3029	15	1834	16	1195	13	8258	40	4828	42	3430	38	5019	25	2765	24	2254	25	4017	20	2044	18	1973	22
Serbia □	3833	2376	1457	62	2	35	1	27	2	583	15	364	15	219	15	1696	44	1057	44	639	44	958	25	596	25	362	25	534	14	324	14	210	14
Spain, Andalusia	10019	6119	3900	110	1	66	1	44	1	1571	16	992	16	579	15	4058	41	2553	42	1505	39	2406	24	1450	24	956	25	1874	19	1058	17	816	21
Spain, Aragon	1588	1030	558	11	1	4	0	7	1	201	13	119	12	82	15	619	39	411	40	208	37	353	22	247	24	106	19	404	25	249	24	155	28
Spain, Asturias	1325	865	460	11	1	8	1	3	1	139	10	93	11	46	10	559	42	367	42	192	42	337	25	231	27	106	23	279	21	166	19	113	25
Spain, Basque country	2704	1738	966	28	1	15	1	13	1	393	15	246	14	147	15	1006	37	634	36	372	39	685	25	447	26	238	25	592	22	396	23	196	20
Spain, Cantabria *	686	471	215							87	13	53	11	34	16	272	40	184	39	88	41	181	26	127	27	54	25	146	21	107	23	39	18
Spain, Castile and León *	2858	1904	954							300	10	201	11	99	10	1079	38	715	38	364	38	682	24	462	24	220	23	797	28	526	28	271	28
Spain, Castile-La Mancha *	2357	1461	896							303	13	186	13	117	13	973	41	636	44	337	38	545	23	338	23	207	23	536	23	301	21	235	26
Spain, Catalonia	10523	6647	3876	117	1	67	1	50	1	1325	13	853	13	472	12	3880	37	2465	37	1415	37	2681	25	1735	26	946	24	2520	24	1527	23	993	26
Spain, Extremadura	1263	786	477	4	0	1	0	3	1	160	13	99	13	61	13	537	43	354	45	183	38	288	23	188	24	100	21	274	22	144	18	130	27
Spain, Galicia	3619	2326	1293	18	0	10	0	8	1	462	13	282	12	180	14	1428	39	929	40	499	39	921	25	614	26	307	24	790	22	491	21	299	23
Spain, Community of Madrid	7450	4709	2741	80	1	45	1	35	1	1043	14	601	13	442	16	2866	38	1830	39	1036	38	1788	24	1164	25	624	23	1673	22	1069	23	604	22
Spain, Region of Murcia	1949	1242	707	18	1	14	1	4	1	241	12	154	12	87	12	795	41	492	40	303	43	467	24	322	26	145	21	428	22	260	21	168	24
Spain, Navarre *	837	547	290							109	13	70	13	39	13	333	40	213	39	120	41	216	26	144	26	72	25	179	21	120	22	59	20
Spain, Valencian region	6883	4353	2530	56	1	41	1	15	1	861	13	535	12	326	13	2501	36	1577	36	924	37	1737	25	1144	26	593	23	1728	25	1056	24	672	27
Sweden	9718	6243	3475	182	2	110	2	72	2	1538	16	937	15	601	17	3802	39	2426	39	1376	40	2525	26	1650	26	875	25	1671	17	1120	18	551	16
Switzerland †	7503	4684	2819	96	1	55	1	41	1	933	12	578	12	355	13	2935	39	1813	39	1122	40	1887	25	1215	26	672	24	1651	22	1023	22	628	22
the Netherlands	17117	10323	6794	232	1	141	1	91	1	2590	15	1561	15	1029	15	6819	40	4100	40	2719	40	4307	25	2615	25	1692	25	3169	19	1906	18	1263	19
United Kingdom, All countries * ¶	62436	38053	24383							12076	19	7212	19	4864	20	27318	44	16600	44	10718	44	13071	21	7934	21	5137	21	9971	16	6307	17	3664	15
United Kingdom, England * ¶	52641	32134	20507							10143	19	6085	19	4058	20	22977	44	13980	44	8997	44	11042	21	6701	21	4341	21	8479	16	5368	17	3111	15
United Kingdom, Northern Ireland *	1784	1074	710							371	21	207	19	164	23	740	41	453	42	287	40	345	19	204	19	141	20	328	18	210	20	118	17
United Kingdom, Scotland	5028	2962	2066	79	2	56	2	23	1	997	20	581	20	416	20	2328	46	1355	46	973	47	1006	20	603	20	403	20	618	12	367	12	251	12
United Kingdom, Wales *	3062	1939	1123							565	18	339	17	226	20	1273	42	812	42	461	41	678	22	426	22	252	22	546	18	362	19	184	16

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

* Patients younger than 20 years of age are not reported

|| The prevalence is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

□ The prevalence is underestimated by approximately 29% due to centers not submitting complete data for 2016

† The prevalence is underestimated by approximately 6% due to an estimated 11% underreporting of patients living on a functioning graft

¶ The prevalence is underestimated by approximately 1% due to a small number of centres not submitting complete data for 2016

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	1080.1	1418.1	753.9	57.9	80.5	33.8	428.9	522.5	333.0	1554.1	2026.1	1088.3	2778.0	4007.5	1710.6	2423.8	3876.0	1499.4
Belgium, Dutch-speaking *	1268.5	1550.6	992.4				421.8	500.4	341.7	1495.2	1842.3	1141.9	3166.4	4043.6	2339.0	4215.4	6011.4	2992.8
Belgium, French-speaking *	1309.9	1674.7	960.6				446.3	535.6	356.0	1755.0	2246.8	1271.3	4009.2	5448.4	2763.9	4500.7	7549.9	2722.8
Bosnia and Herzegovina	758.7	921.3	602.0	24.2	29.7	18.3	367.8	454.6	277.9	1109.6	1401.0	832.5	2129.1	2738.1	1653.5	2178.2	3141.2	1573.4
Denmark	939.3	1189.1	691.8	67.1	85.3	48.0	533.9	645.0	419.8	1425.6	1777.3	1071.4	2084.2	2751.4	1453.3	1890.4	2907.7	1162.9
Estonia	698.4	849.1	565.4	29.4	28.6	30.2	401.5	414.1	388.1	1178.6	1522.8	873.8	1511.7	2243.3	1039.0	1055.9	1841.6	743.5
Finland	884.6	1143.0	633.7	101.3	114.5	87.4	424.2	532.8	309.6	1377.3	1722.7	1034.8	1962.0	2695.6	1300.6	1511.5	2569.0	858.0
France	1278.4	1617.0	960.5	56.7	65.5	47.4	579.1	709.2	451.7	1771.2	2226.4	1338.9	3113.5	4167.3	2179.6	3510.2	5508.7	2268.3
Greece	1284.4	1721.3	873.5	53.5	64.3	42.2	440.8	569.1	312.2	1614.0	2252.2	1028.6	3040.3	4323.9	1916.4	3432.5	5042.9	2261.2
Iceland	667.8	815.8	517.2	56.4	66.3	46.0	524.9	559.2	488.6	1026.1	1317.7	733.9	1942.6	2385.4	1497.8	1050.6	1719.8	532.5
Norway	950.2	1225.5	670.9	62.6	71.0	53.8	477.3	561.3	388.3	1484.7	1910.2	1041.2	2479.0	3309.0	1670.1	2261.0	3714.1	1257.4
Romania //	1048.2	1210.2	893.4	29.8	29.4	30.1	455.1	535.7	369.7	1552.4	1844.8	1269.3	2683.2	3413.6	2125.4	2573.6	3564.0	1998.3
Serbia □	543.0	691.2	402.4	45.3	49.6	40.6	250.5	307.4	191.5	844.7	1086.5	617.4	1245.1	1726.9	853.2	915.1	1405.6	594.8
Spain, Andalusia	1191.8	1472.4	917.5	60.8	70.9	50.2	540.1	672.0	404.1	1763.3	2231.9	1300.2	3310.4	4227.6	2490.8	2835.3	4043.6	2043.6
Spain, Aragon	1205.5	1580.1	838.5	44.5	31.4	58.5	479.8	554.4	401.5	1666.3	2187.4	1133.1	2712.8	3992.4	1553.0	2701.9	4157.7	1729.3
Spain, Asturias	1272.9	1737.1	847.2	72.3	102.2	40.6	442.1	587.1	294.9	1743.7	2350.5	1167.6	2780.4	4130.3	1623.8	2103.6	3373.4	1354.6
Spain, Basque country	1248.6	1655.8	865.6	69.8	72.7	66.7	602.4	749.3	453.6	1575.0	2016.5	1147.0	2906.0	4053.3	1897.3	2492.1	4380.9	1331.9
Spain, Cantabria *	1178.7	1656.9	722.1				472.7	568.0	374.6	1571.1	2142.0	1008.8	3031.7	4508.5	1712.5	2357.2	4545.5	1015.7
Spain, Castile and León *	1168.8	1575.2	771.6				414.1	540.5	280.7	1488.1	1937.1	1022.6	2563.0	3556.0	1615.5	2399.6	3946.9	1362.7
Spain, Castile-La Mancha *	1152.6	1421.6	880.8				437.2	518.2	350.2	1755.9	2237.0	1249.0	3187.6	4096.3	2339.9	2573.3	3495.1	1923.5
Spain, Catalonia	1398.9	1797.8	1013.3	76.3	84.8	67.3	509.9	646.0	369.3	1928.7	2470.5	1395.6	3885.5	5400.7	2565.5	3656.0	5706.3	2354.9
Spain, Extremadura	1161.1	1457.6	869.6	19.4	9.5	29.9	446.1	538.8	348.8	1753.7	2267.3	1219.3	2906.0	3977.3	1929.0	2325.8	3100.1	1821.7
Spain, Galicia	1332.9	1772.8	921.5	41.8	44.9	38.5	545.8	660.6	429.1	1842.2	2443.5	1263.5	2938.7	4180.6	1843.5	2257.6	3620.9	1395.1
Spain, Community of Madrid	1152.0	1519.7	813.7	61.0	67.0	54.7	451.0	526.8	377.2	1647.5	2205.9	1138.5	3172.2	4584.2	2014.6	3103.0	5285.4	1792.8
Spain, Region of Murcia	1330.5	1693.1	966.8	53.1	80.4	24.3	454.3	560.8	340.0	2123.5	2613.8	1627.7	4196.9	6167.4	2455.0	3895.5	5867.7	2562.6
Spain, Navarre *	1310.0	1728.5	899.4				530.8	671.5	385.7	1876.2	2367.7	1371.1	3521.6	4850.1	2275.2	2858.0	4836.0	1560.1
Spain, Valencian region	1387.7	1777.6	1007.5	56.7	80.8	31.3	509.9	620.5	394.4	1830.8	2325.6	1343.0	3648.2	5115.5	2348.6	3910.1	5961.2	2537.9
Sweden	979.3	1255.6	701.9	80.3	94.2	65.6	474.9	564.8	380.6	1547.0	1955.2	1130.8	2281.7	3031.1	1556.2	1953.5	3112.7	1111.8
Switzerland †	896.1	1129.4	667.1	57.0	63.5	50.1	330.3	404.3	254.4	1245.9	1529.9	958.4	2330.4	3133.7	1592.4	2360.8	3661.4	1495.5
the Netherlands	1047.0	1273.1	824.4	63.3	75.1	50.9	510.8	612.2	408.2	1477.4	1772.8	1180.7	2492.7	3078.8	1926.0	2495.8	3667.7	1683.9
United Kingdom, All countries * ¶	951.1	1175.3	732.9				561.0	667.8	453.5	1621.0	2000.7	1252.9	2014.5	2539.4	1526.9	1872.3	2821.1	1185.8
United Kingdom, England * ¶	952.5	1177.0	733.3				556.9	664.8	447.9	1633.7	2014.9	1262.5	2039.8	2569.4	1547.4	1897.1	2850.1	1203.0
United Kingdom, Northern Ireland *	958.0	1173.5	749.8				611.9	689.8	535.5	1561.0	1941.1	1192.4	2077.6	2560.6	1632.2	2490.6	3909.8	1513.1
United Kingdom, Scotland	930.3	1127.3	743.9	68.2	94.5	40.6	568.0	670.6	467.9	1561.0	1871.6	1268.0	1807.6	2272.6	1383.9	1397.2	2050.1	953.3
United Kingdom, Wales *	983.6	1264.0	711.2				594.1	706.8	479.5	1548.9	2023.0	1096.4	1922.7	2486.6	1389.8	1936.2	3030.0	1132.1

* Patients younger than 20 years of age are not reported

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

	All				Men				Women			
	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Austria	100	61.2	15.3	62.7	64.5	61.2	15.2	62.7	35.5	61.2	15.6	62.6
Belgium, Dutch-speaking *	100	66.1	15.2	67.9	60.5	65.7	15.0	67.6	39.5	66.6	15.5	68.7
Belgium, French-speaking *	100	64.9	15.2	66.5	62.5	64.9	14.9	66.4	37.5	64.8	15.7	66.6
Bosnia and Herzegovina	100	59.7	15.1	61.7	59.6	59.0	15.0	60.6	40.4	60.6	15.1	62.9
Denmark	100	58.8	16.1	60.4	63.0	58.9	16.1	60.6	37.0	58.5	16.1	60.0
Estonia	100	57.9	15.3	58.6	57.0	57.7	15.0	57.6	43.0	58.1	15.7	60.1
Finland	100	59.2	16.3	61.5	63.6	59.4	16.1	61.9	36.4	58.7	16.5	60.9
France	100	62.8	16.4	64.6	61.2	62.8	16.3	64.7	38.8	62.8	16.7	64.5
Greece	100	64.6	15.6	66.8	65.0	64.3	15.4	66.4	35.0	65.1	16.0	67.5
Iceland	100	54.9	16.6	56.3	61.6	55.5	16.6	56.4	38.4	53.8	16.6	55.5
Norway	100	59.4	16.2	61.5	65.0	59.9	16.0	61.9	35.0	58.6	16.6	60.6
Romania	100	61.2	15.2	63.0	56.4	60.5	15.1	62.2	43.6	62.1	15.3	64.1
Serbia	100	59.5	14.8	62.0	62.0	59.4	14.8	62.2	38.0	59.6	14.8	61.7
Spain, Andalusia	100	60.5	15.6	61.9	61.1	60.0	15.4	61.2	38.9	61.3	15.9	63.1
Spain, Aragon	100	62.9	15.3	64.0	64.9	63.1	14.7	64.3	35.1	62.5	16.4	63.3
Spain, Asturias	100	63.0	14.3	63.5	65.3	62.7	14.3	63.3	34.7	63.4	14.4	63.6
Spain, Basque country	100	62.0	15.5	63.8	64.3	62.5	15.2	64.5	35.7	61.1	15.9	62.7
Spain, Cantabria *	100	62.6	14.6	64.0	68.7	63.4	14.3	64.7	31.3	60.9	15.1	60.2
Spain, Castile and León *	100	64.8	14.5	65.8	66.6	64.7	14.3	65.8	33.4	64.9	14.8	65.7
Spain, Castile-La Mancha *	100	62.5	14.6	63.3	62.0	62.1	14.3	62.6	38.0	63.1	15.1	64.6
Spain, Catalonia	100	63.0	15.6	64.8	63.2	62.8	15.4	64.6	36.8	63.3	16.0	65.0
Spain, Extremadura	100	62.0	14.9	62.3	62.2	61.6	14.2	62.0	37.8	62.7	15.9	63.5
Spain, Galicia	100	62.5	14.7	64.0	64.3	62.6	14.3	64.1	35.7	62.4	15.3	63.9
Spain, Community of Madrid	100	61.9	15.8	63.2	63.2	62.4	15.5	63.9	36.8	61.1	16.2	62.1
Spain, Region of Murcia	100	62.1	15.2	63.3	63.7	62.1	15.1	63.6	36.3	62.2	15.4	62.7
Spain, Navarre *	100	62.5	14.3	64.0	65.4	62.9	14.2	64.5	34.6	61.8	14.5	63.1
Spain, Valencian region	100	63.3	15.5	65.2	63.2	63.3	15.4	65.3	36.8	63.3	15.6	65.0
Sweden	100	59.9	16.2	62.0	64.2	60.3	16.1	62.6	35.8	59.0	16.5	61.2
Switzerland	100	62.1	15.7	63.9	62.4	62.3	15.6	64.2	37.6	62.0	15.9	63.5
the Netherlands	100	60.5	15.9	62.4	60.3	60.5	15.9	62.5	39.7	60.4	15.9	62.3
United Kingdom, All countries *	100	58.7	15.4	59.1	60.9	59.0	15.5	59.5	39.1	58.3	15.3	58.7
United Kingdom, England *	100	58.8	15.4	59.2	61.0	59.0	15.5	59.5	39.0	58.3	15.3	58.8
United Kingdom, Northern Ireland *	100	58.7	16.0	58.4	60.2	59.1	15.9	58.5	39.8	58.1	16.2	58.3
United Kingdom, Scotland	100	56.8	15.7	57.7	58.9	56.7	15.8	58.0	41.1	56.8	15.5	57.2
United Kingdom, Wales *	100	59.5	15.7	60.3	63.3	59.9	15.6	60.5	36.7	58.8	15.7	59.8

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

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

Table B.4.4

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

	All	Men	Women
	Pmp	Pmp	Pmp
Austria	1032.0	1348.2	730.5
Belgium, Dutch-speaking *	1162.3	1390.8	944.4
Belgium, French-speaking *	1366.2	1746.7	1003.2
Bosnia and Herzegovina	792.4	970.6	622.3
Denmark	916.4	1149.6	694.0
Estonia	700.6	870.4	538.6
Finland	833.4	1068.5	609.2
France	1255.7	1566.2	959.6
Greece	1140.6	1504.4	793.7
Iceland	734.1	891.8	583.7
Norway	978.4	1253.2	716.2
Romania //	1028.4	1205.4	859.6
Serbia □	497.2	634.1	366.6
Spain, Andalusia	1199.2	1472.6	938.3
Spain, Aragon	1081.7	1409.1	769.4
Spain, Asturias	1038.9	1390.3	703.7
Spain, Basque country	1102.2	1432.2	787.4
Spain, Cantabria *	1050.8	1459.2	661.3
Spain, Castile and León *	948.2	1254.3	656.2
Spain, Castile-La Mancha *	1122.7	1375.5	881.5
Spain, Catalonia	1354.3	1730.6	995.5
Spain, Extremadura	1071.1	1338.7	815.9
Spain, Galicia	1127.0	1471.5	798.5
Spain, Community of Madrid	1163.8	1528.1	816.4
Spain, Region of Murcia	1440.6	1844.6	1055.2
Spain, Navarre *	1236.9	1605.4	885.4
Spain, Valencian region	1317.6	1676.8	975.1
Sweden	954.3	1210.3	710.1
Switzerland †	863.0	1073.4	662.3
the Netherlands	1011.8	1212.1	820.7
United Kingdom, All countries * ¶	965.8	1181.6	759.9
United Kingdom, England * ¶	971.7	1188.8	764.6
United Kingdom, Northern Ireland *	1022.6	1242.2	813.1
United Kingdom, Scotland	914.1	1098.1	738.5
United Kingdom, Wales *	955.9	1216.9	707.0

* Patients younger than 20 years of age are not reported

// The prevalence is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

□ The prevalence is underestimated by approximately 29% due to centers not submitting complete data for 2016

† The prevalence is underestimated by approximately 6% due to an estimated 11% underreporting of patients living on a functioning graft

¶ The prevalence is underestimated by approximately 1% due to a small number of centres not submitting complete data for 2016

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	1080.1	100	244.8	22.7	75.3	7.0	78.7	7.3	57.5	5.3	154.9	14.3	212.4	19.7	92.3	8.5	76.0	7.0	196.5	18.2	104.0	9.6	0	0
Belgium, Dutch-speaking *	1268.5	100	221.5	17.5	87.9	6.9	128.3	10.1	51.6	4.1	167.5	13.2	219.1	17.3	103.5	8.2	55.0	4.3	334.8	26.4	118.5	9.3	0	0
Belgium, French-speaking *	1309.9	100	211.5	16.1	101.8	7.8	105.5	8.1	37.7	2.9	192.2	14.7	230.0	17.6	206.3	15.8	24.9	1.9	341.3	26.1	88.5	6.8	0	0
Bosnia and Herzegovina	758.7	100	148.4	19.6	106.2	14.0	39.9	5.3	89.8	11.8	65.4	8.6	155.2	20.5	86.7	11.4	5.7	0.7	139.6	18.4	77.0	10.2	0	0
Denmark	939.3	100	190.7	20.3	62.2	6.6	90.9	9.7	78.7	8.4	81.9	8.7	160.6	17.1	101.8	10.8	0.7	0.1	149.7	15.9	182.6	19.4	0	0
Estonia	698.4	100	180.9	25.9	99.6	14.3	69.2	9.9					127.7	18.3	66.1	9.5	68.4	9.8	85.9	12.3	0.8	0.1	0	0
Finland	884.6	100	186.5	21.1	76.2	8.6	122.5	13.8	141.0	15.9	83.0	9.4	224.0	25.3	34.0	3.8	4.9	0.6	155.8	17.6	80.6	9.1	0	0
France	1278.4	100	264.4	20.7	95.2	7.4	125.5	9.8					206.9	16.2	209.4	16.4	11.3	0.9	223.0	17.4	142.6	11.2	0	0
Greece	1284.4	100	220.6	17.2	78.7	6.1	102.9	8.0	27.6	2.1	217.1	16.9	244.7	19.1	120.5	9.4	16.2	1.3	125.6	9.8	375.2	29.2	0	0
Iceland	667.8	100	181.9	27.2	56.6	8.5	77.5	11.6	47.7	7.1	29.8	4.5	77.5	11.6	89.4	13.4	6.0	0.9	155.0	23.2	23.8	3.6	0	0
Norway	950.2	100	265.5	27.9	70.7	7.4	102.6	10.8					124.9	13.1	171.2	18.0	6.7	0.7	184.5	19.4	23.9	2.5	0.2	0
Romania	1048.2	100	202.8	19.3	90.1	8.6	49.0	4.7					105.2	10.0	54.2	5.2	5.9	0.6	155.5	14.8	385.6	36.8	0	0
Serbia □	543.0	100	93.2	17.2	59.2	10.9	36.3	6.7					90.7	16.7	142.7	26.3	7.2	1.3	75.2	13.9	38.5	7.1	0	0
Spain, Andalusia	1191.8	100	244.3	20.5	115.5	9.7	114.2	9.6					184.1	15.5	93.5	7.8	1.3	0.1	169.2	14.2	257.1	21.6	12.6	1.1
Spain, Aragon	1205.5	100	231.5	19.2	63.8	5.3	104.8	8.7	74.4	6.2	133.6	11.1	208.0	17.3	132.8	11.0	2.3	0.2	153.3	12.7	309.0	25.6	0	0
Spain, Asturias	1272.9	100	260.3	20.5	80.7	6.3	140.3	11.0	50.9	4.0	155.6	12.2	206.5	16.2	171.0	13.4	17.3	1.4	195.0	15.3	193.1	15.2	8.6	0.7
Spain, Basque country	1248.6	100	210.6	16.9	95.1	7.6	147.8	11.8	39.2	3.1	101.1	8.1	140.4	11.2	142.2	11.4	0.9	0.1	219.3	17.6	290.9	23.3	1.4	0.1
Spain, Cantabria *	1178.7	100	383.2	32.5	101.4	8.6	116.8	9.9	44.7	3.8	111.7	9.5	156.4	13.3	118.6	10.1	79.0	6.7	149.5	12.7	61.9	5.2	12.0	1.0
Spain, Castile and León ‡	1168.8	100	200.4	17.1	69.1	5.9	100.6	8.6	69.9	6.0	136.6	11.7	206.5	17.7	149.3	12.8	0	0	141.5	12.1	301.4	25.8	0	0
Spain, Castile-La Mancha *	1152.6	100	238.1	20.7	127.6	11.1	132.5	11.5					182.4	15.8	64.5	5.6	22.0	1.9	130.6	11.3	250.9	21.8	3.9	0.3
Spain, Catalonia	1398.9	100	280.9	20.1	133.1	9.5	141.2	10.1	37.1	2.7	158.7	11.3	199.3	14.2	116.2	8.3	38.7	2.8	150.3	10.7	339.2	24.3	0	0
Spain, Extremadura	1161.1	100	227.1	19.6	81.8	7.0	116.8	10.1					175.6	15.1	83.7	7.2	18.4	1.6	125.0	10.8	319.0	27.5	13.8	1.2
Spain, Galicia	1332.9	100	264.4	19.8	88.8	6.7	151.4	11.4	59.7	4.5	160.6	12.0	220.2	16.5	106.8	8.0	31.7	2.4	200.0	15.0	269.6	20.2	0	0
Spain, Community of Madrid	1152.0	100	252.0	21.9	85.8	7.4	120.6	10.5	44.8	3.9	159.7	13.9	204.6	17.8	128.2	11.1	18.1	1.6	210.6	18.3	132.1	11.5	0	0
Spain, Region of Murcia	1330.5	100	354.3	26.6	107.9	8.1	88.1	6.6					187.1	14.1	77.8	5.8	60.1	4.5	180.2	13.5	275.1	20.7	0	0
Spain, Navarre *	1310.0	100	245.7	18.8	47.0	3.6	175.3	13.4	70.4	5.4	129.9	9.9	200.3	15.3	183.1	14.0	4.7	0.4	256.7	19.6	197.2	15.1	0	0
Spain, Valencian region	1387.7	100	256.3	18.5	130.8	9.4	121.0	8.7					188.1	13.6	185.1	13.3	49.6	3.6	163.7	11.8	293.1	21.1	0	0
Sweden ‡	979.3	100	245.7	25.1	50.0	5.1	103.3	10.5					175.6	17.9	95.7	9.8	1.8	0.2	203.7	20.8	103.6	10.6	0	0
Switzerland †	896.1	100	186.1	20.8	35.0	3.9	31.3	3.5	24.7	2.8	113.7	12.7	138.4	15.4	109.6	12.2	20.7	2.3	283.3	31.6	91.7	10.2	0	0
the Netherlands	1047.0	100	174.6	16.7	72.5	6.9	91.7	8.8	40.0	3.8	96.3	9.2	136.3	13.0	119.4	11.4	65.4	6.2	207.2	19.8	107.2	10.2	72.7	6.9
United Kingdom, All countries * ¶	951.1	100	180.8	19.0	98.8	10.4	91.7	9.6					159.8	16.8	57.8	6.1	13.8	1.5	172.0	18.1	145.6	15.3	30.8	3.2
United Kingdom, England * ¶	952.5	100	175.4	18.4	94.6	9.9	89.0	9.3					160.7	16.9	61.7	6.5	13.8	1.4	171.2	18.0	150.4	15.8	35.7	3.7
United Kingdom, Northern Ireland *	958.0	100	181.0	18.9	150.4	15.7	112.2	11.7					150.4	15.7	35.4	3.7	11.3	1.2	197.6	20.6	109.6	11.4	10.2	1.1
United Kingdom, Scotland	930.3	100	203.2	21.8	120.3	12.9	106.9	11.5					152.8	16.4	36.4	3.9	12.0	1.3	189.1	20.3	109.3	11.8	0.2	0
United Kingdom, Wales *	983.6	100	241.9	24.6	107.9	11.0	100.5	10.2					161.6	16.4	40.2	4.1	18.3	1.9	158.7	16.1	145.5	14.8	9.0	0.9

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

* Patients younger than 20 years of age are not reported

|| The prevalence is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

□ The prevalence is underestimated by approximately 29% due to centers not submitting complete data for 2016

‡ Mapping the 2012 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

† The prevalence is underestimated by approximately 6% due to an estimated 11% underreporting of patients living on a functioning graft

¶ The prevalence is underestimated by approximately 1% due to a small number of centres not submitting complete data for 2016

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	1032.0	234.1	72.9	74.7	55.1	146.7	201.8	87.5	71.6	189.8	99.6	0
Belgium, Dutch-speaking *	1162.3	207.7	82.9	119.1	48.4	148.1	196.5	91.7	46.4	307.9	110.1	0
Belgium, French-speaking *	1366.2	219.8	106.9	110.4	39.1	203.2	242.2	213.5	25.8	355.0	92.6	0
Bosnia and Herzegovina	792.4	146.9	110.5	39.5	93.9	70.2	164.1	91.9	7.3	152.3	79.8	0
Denmark	916.4	190.1	62.1	86.0	78.3	76.0	154.3	96.8	0.8	148.6	177.8	0
Estonia	700.6	183.5	97.7	66.0			131.3	66.1	68.3	86.9	0.7	0
Finland	833.4	175.5	72.3	108.9	143.7	71.1	214.8	30.9	4.3	151.9	74.9	0
France	1255.7	266.9	96.5	123.1			200.2	194.2	10.9	225.3	138.7	0
Greece	1140.6	207.7	72.7	95.2	27.1	183.1	210.2	101.8	14.0	116.7	322.5	0
Iceland	734.1	199.9	65.3	87.7	51.0	32.3	83.3	99.9	7.5	165.3	25.2	0
Norway	978.4	271.0	72.9	106.7			128.2	178.9	6.6	189.5	24.3	0.2
Romania //	1028.4	198.9	88.6	46.9			101.6	53.5	5.9	153.3	379.7	0
Serbia □	497.2	89.0	55.0	31.3			81.4	128.1	6.5	70.4	35.5	0
Spain, Andalusia	1199.2	241.9	116.1	115.5			187.3	95.3	1.3	170.3	258.8	12.7
Spain, Aragon	1081.7	212.6	60.1	94.9	68.7	116.9	185.7	110.5	1.9	139.8	276.2	0
Spain, Asturias	1038.9	217.3	70.7	113.8	44.2	120.8	165.1	127.3	13.3	169.4	154.3	7.7
Spain, Basque country	1102.2	191.0	85.2	127.2	35.7	85.0	120.7	118.3	0.8	201.9	255.9	1.1
Spain, Cantabria *	1050.8	341.3	92.8	103.0	40.3	98.2	138.5	99.7	69.2	140.6	55.4	10.4
Spain, Castile and León * ‡	948.2	169.4	59.7	84.8	60.4	102.8	163.2	106.4	0	119.3	245.4	0
Spain, Castile-La Mancha *	1122.7	235.6	122.7	133.2			180.5	60.1	19.4	127.8	239.5	3.8
Spain, Catalonia	1354.3	274.5	128.2	139.2	35.7	155.2	194.4	110.6	37.1	146.7	323.8	0
Spain, Extremadura	1071.1	215.5	76.3	110.6			160.9	74.2	15.5	117.5	287.5	13.1
Spain, Galicia	1127.0	232.8	78.3	128.7	55.3	127.1	182.4	83.7	23.0	180.1	218.1	0
Spain, Community of Madrid	1163.8	253.3	84.7	123.4	43.1	167.6	210.7	129.2	18.4	211.6	132.5	0
Spain, Region of Murcia	1440.6	379.2	114.2	93.8			205.2	86.2	65.9	194.5	301.6	0
Spain, Navarre *	1236.9	237.5	46.5	166.2	65.2	125.1	190.3	161.8	4.1	247.9	182.6	0
Spain, Valencian region	1317.6	245.4	125.1	115.8			178.8	172.1	46.3	158.5	275.6	0
Sweden ‡	954.3	243.0	49.4	100.5			169.3	87.7	1.8	200.8	101.9	0
Switzerland †	863.0	178.6	34.4	30.3	23.7	108.6	132.3	104.0	19.5	275.6	88.2	0
the Netherlands	1011.8	168.4	71.4	85.8	39.1	90.5	129.6	115.4	62.8	203.1	105.2	70.2
United Kingdom, All countries * ¶	965.8	184.7	101.3	92.9			161.6	58.2	13.4	175.5	147.2	31.0
United Kingdom, England * ¶	971.7	179.9	97.2	91.0			163.6	62.4	13.5	175.3	152.8	36.1
United Kingdom, Northern Ireland *	1022.6	192.2	159.8	118.3			159.9	39.2	12.0	212.8	117.3	11.0
United Kingdom, Scotland	914.1	200.7	120.1	101.5			149.6	34.9	11.5	187.4	108.1	0.2
United Kingdom, Wales *	955.9	237.9	110.5	96.4			154.6	37.9	16.1	155.9	138.2	8.3

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

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‡ Mapping the 2012 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

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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		
Austria	9397	3044	3	0	3	1068	4118	196	185	7	388	784	4098	8	4890	1	0
Belgium, Dutch-speaking *	8257	2552	54	0	4	1695	4305	247	97	0	344	231	3370	7	3608	0	0
Belgium, French-speaking *	6317	2255	69	0	32	1065	3421	122	154	0	276	222	2129	256	2607	13	0
Bosnia and Herzegovina	2679	2011	0	0	0	266	2277	3	85	2	90	206	101	5	312	0	0
Denmark &	5433	1909	160	0			2069	285	260	17	562	1133	1667	0	2800	2	0
Estonia	919	332	0	0	1	10	343	42	13	0	55	10	511	0	521	0	0
Finland	4861	852	138	0	0	563	1553	217	148	0	365	232	2700	11	2943	0	0
France	85471	29285	360	73	97	13865	43680	1193	1835	2	3030	4080	32155	2121	38356	405	0
Greece	13841	7489	0	0	0	3063	10552	480	245	0	725	1046	1518	0	2564	0	0
Iceland	224	54	0	0			54	0	0	13	13	104	53	0	157	0	0
Norway	4974	1199	17	1			1217			261	261	1361	2129	6	3496	0	0
Romania //	20445	17199	5	2	7	87	17300	89	1255	4	1348	345	685	753	1783	14	0
Serbia □	3833	2535	16	10	3	607	3171	20	241	2	263	242	119	4	365	12	22
Spain, Andalusia	10019	4177	12	0			4189			370	370	456	5004	0	5460	0	0
Spain, Aragon	1588	386	1	0			99	10	66	0	76	81	927	0	1008	18	0
Spain, Asturias	1325	501	5	0	0	3	509	49	68	0	117	39	660	0	699	0	0
Spain, Basque country	2704	804	4	0			808	25	151	0	176	138	1577	0	1715	5	0
Spain, Cantabria *	686	187	0	0			187	6	28	0	34	26	438	0	464	1	0
Spain, Castile and León *	2858	1111	5	0			1116	60	108	0	168		1574	1574	0	0	0
Spain, Castile-La Mancha *	2357	886	3	0			889	35	87	0	122	36	1307	0	1343	3	0
Spain, Catalonia	10523	1302	5	0			2972	202	224	0	426	1165	4653	0	5818	0	0
Spain, Extremadura	1263	586	9	0			595	35	29	0	64	21	295	288	604	0	0
Spain, Galicia	3619	1576	13	0	0	9	1598	96	173	0	269	209	1497	46	1752	0	0
Spain, Community of Madrid	7450	2923	0	0			2923	115	297	7	419	263	3842	0	4105	3	0
Spain, Region of Murcia	1949	411	0	0	0	579	990	22	74	0	96	61	802	0	863	0	0
Spain, Navarre *	837	283	13	0			296	26	2	0	28	37	476	0	513	0	0
Spain, Valencian region	6883	3507	29	0			3536	49	410	0	459	113	2114	651	2878	10	0
Sweden	9718	3032	139	0			3171			891	891	2404	3250	0	5654	2	0
Switzerland †	7503	3223	50	0	64	0	3337	168	172	0	340	1490	2333	3	3826	0	0
the Netherlands	17117	5156	293	0			5450	501	369	0	870	5352	5438	7	10797	0	0
United Kingdom, All countries * ¶ § #	62436	20209	1286	25	25	3524	25069	2039	1507	68	3614	10659	22013	1070	33742	11	0
United Kingdom, England * ¶ #	52641	16758	1120	12	23	3455	21368	1695	1349	66	3110	8912	18263	979	28154	9	0
United Kingdom, Northern Ireland * #	1784	584	18	13	0	19	634	72			76	433	570	70	1073		0
United Kingdom, Scotland	5028	1861	55	0			1916	168	69	0	237	854	2011	9	2874	1	0
United Kingdom, Wales * #	3062	1014	95	0			50	1161	87		203	489	1197	12	1698	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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

// The overall prevalence of RRT is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

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† The prevalence is underestimated by approximately 6% due to an estimated 11% underreporting of patients living on a functioning graft

¶ The prevalence is underestimated by approximately 1% due to a small number of centres not submitting complete data for 2016

§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

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

	Prevalence per million population by treatment modality, unadjusted																
	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	1080.1	349.9	0.3	0	0.3	122.8	473.3	22.5	21.3	0.8	44.6	90.1	471.0	0.9	562.0	0.1	0
Belgium, Dutch-speaking *	1268.5	392.1	8.3	0	0.6	260.4	661.4	37.9	14.9	0	52.8	35.5	517.7	1.1	554.3	0	0
Belgium, French-speaking *	1309.9	467.6	14.3	0	6.6	220.8	709.4	25.3	31.9	0	57.2	46.0	441.5	53.1	540.6	2.7	0
Bosnia and Herzegovina	758.7	569.5	0	0	0	75.3	644.8	0.8	24.1	0.6	25.5	58.3	28.6	1.4	88.4	0	0
Denmark &	939.3	330.0	27.7	0			357.7	49.3	45.0	2.9	97.2	195.9	288.2	0	484.1	0.3	0
Estonia	698.4	252.3	0	0	0.8	7.6	260.7	31.9	9.9	0	41.8	7.6	388.4	0	396.0	0	0
Finland	884.6	155.0	25.1	0	0	102.5	282.6	39.5	26.9	0	66.4	42.2	491.3	2.0	535.5	0	0
France	1278.4	438.0	5.4	1.1	1.5	207.4	653.3	17.8	27.4	0	45.3	61.0	480.9	31.7	573.7	6.1	0
Greece	1284.4	695.0	0	0	0	284.2	979.2	44.5	22.7	0	67.3	97.1	140.9	0	237.9	0	0
Iceland	667.8	161.0	0	0			161.0	0	0	38.8	38.8	310.0	158.0	0	468.0	0	0
Norway	950.2	229.1	3.2	0.2			232.5			49.9	49.9	260.0	406.7	1.1	667.9	0	0
Romania †	1048.2	881.8	0.3	0.1	0.4	4.5	886.9	4.6	64.3	0.2	69.1	17.7	35.1	38.6	91.4	0.7	0
Serbia □	543.0	359.2	2.3	1.4	0.4	86.0	449.3	2.8	34.1	0.3	37.3	34.3	16.9	0.6	51.7	1.7	3.1
Spain, Andalusia	1191.8	496.9	1.4	0			498.3			44.0	44.0	54.2	595.3	0	649.5	0	0
Spain, Aragon	1205.5	293.0	0.8	0		75.2	368.9	7.6	50.1	0	57.7	61.5	703.7	0	765.2	13.7	0
Spain, Asturias	1272.9	481.3	4.8	0	0	2.9	489.0	47.1	65.3	0	112.4	37.5	634.1	0	671.5	0	0
Spain, Basque country	1248.6	371.2	1.8	0			373.1	11.5	69.7	0	81.3	63.7	728.2	0	791.9	2.3	0
Spain, Cantabria *	1178.7	321.3	0	0			321.3	10.3	48.1	0	58.4	44.7	752.6	0	797.3	1.7	0
Spain, Castile and León *	1168.8	454.4	2.0	0			456.4	24.5	44.2	0	68.7		643.7	643.7	0	0	0
Spain, Castile-La Mancha *	1152.6	433.3	1.5	0			434.7	17.1	42.5	0	59.7	17.6	639.1	0	656.7	1.5	0
Spain, Catalonia	1398.9	173.1	0.7	0		395.1	568.8	26.9	29.8	0	56.6	154.9	618.5	0	773.4	0	0
Spain, Extremadura	1161.1	538.7	8.3	0			547.0	32.2	26.7	0	58.8	19.3	271.2	264.8	555.3	0	0
Spain, Galicia	1332.9	580.4	4.8	0	0	3.3	588.5	35.4	63.7	0	99.1	77.0	551.3	16.9	645.3	0	0
Spain, Community of Madrid	1152.0	452.0	0	0			452.0	17.8	45.9	1.1	64.8	40.7	594.1	0	634.8	0.5	0
Spain, Region of Murcia	1330.5	280.6	0	0	0	395.3	675.8	15.0	50.5	0	65.5	41.6	547.5	0	589.1	0	0
Spain, Navarre *	1310.0	442.9	20.3	0			463.3	40.7	3.1	0	43.8	57.9	745.0	0	802.9	0	0
Spain, Valencian region	1387.7	707.1	5.8	0			712.9	9.9	82.7	0	92.5	22.8	426.2	131.3	580.2	2.0	0
Sweden	979.3	305.6	14.0	0			319.6			89.8	89.8	242.3	327.5	0	569.8	0.2	0
Switzerland †	896.1	384.9	6.0	0	7.6	0	398.5	20.1	20.5	0	40.6	177.9	278.6	0.4	456.9	0	0
The Netherlands	1047.0	315.4	17.9	0			333.4	30.6	22.6	0	53.2	327.4	332.6	0.4	660.4	0	0
United Kingdom, All countries * ¶ § #	951.1	307.8	19.6	0.4	0.4	53.7	381.9	31.1	23.0	1.0	55.1	162.4	335.3	16.3	514.0	0.2	0
United Kingdom, England * ¶ #	952.5	303.2	20.3	0.2	0.4	62.5	386.6	30.7	24.4	1.2	56.3	161.3	330.4	17.7	509.4	0.2	0
United Kingdom, Northern Ireland * #	958.0	313.6	9.7	7.0	0	10.2	340.5	38.7			40.8	232.5	306.1	37.6	576.2		0
United Kingdom, Scotland	930.3	344.3	10.2	0			354.5	31.1	12.8	0	43.9	158.0	372.1	1.7	531.8	0.2	0
United Kingdom, Wales * #	983.6	325.7	30.5	0		16.1	372.9	36.9	27.9		65.2	157.1	384.5	3.9	545.4	0	0

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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

|| The overall prevalence of RRT is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

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§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

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

	Prevalence per million population by treatment modality, adjusted																Unkn	Missing
	All	Haemodialysis						Peritoneal dialysis				Kidney transplant						
	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			
Austria	1032.0	332.5	0.3	0	0.3	116.3	449.4	21.8	20.3	0.8	42.8	87.9	450.9	0.9	539.7	0.1	0	
Belgium, Dutch-speaking *	1162.3	345.0	7.6	0	0.5	231.1	584.3	34.9	13.9	0	48.8	36.1	492.1	1.0	529.3	0	0	
Belgium, French-speaking *	1366.2	486.0	15.1	0	7.0	231.9	740.0	26.6	33.8	0	60.4	47.6	460.3	55.2	563.1	2.7	0	
Bosnia and Herzegovina	792.4	603.9	0	0	0	76.1	680.0	0.8	24.8	0.5	26.1	57.4	27.6	1.4	86.3	0	0	
Denmark &	916.4	317.0	27.2	0			344.2	47.0	42.5	2.7	92.2	198.6	281.1	0	479.6	0.3	0	
Estonia	700.6	252.0	0	0	0.8	7.3	260.0	30.9	10.2	0	41.1	8.0	391.4	0	399.4	0	0	
Finland	833.4	142.6	24.9	0	0	93.8	261.3	38.5	24.5	0	63.0	41.2	465.8	2.0	509.1	0	0	
France	1255.7	418.0	5.6	1.0	1.4	196.8	622.8	17.5	25.2	0	42.8	64.3	488.4	31.5	584.2	6.0	0	
Greece	1140.6	585.7	0	0	0	262.4	848.1	40.6	20.1	0	60.7	97.2	134.7	0	231.9	0	0	
Iceland	734.1	186.8	0	0			186.8	0	0	42.7	42.7	333.9	170.6	0	504.5	0	0	
Norway	978.4	238.3	3.3	0.2			241.8			52.3	52.3	264.3	418.9	1.1	684.4	0	0	
Romania //	1028.4	864.5	0.3	0.1	0.4	4.4	869.5	4.7	63.2	0.2	68.1	17.4	34.7	38.0	90.1	0.7	0	
Serbia □	497.2	323.1	2.0	1.2	0.4	78.9	405.6	2.9	31.2	0.3	34.3	35.2	17.0	0.6	52.8	1.6	2.9	
Spain, Andalusia	1199.2	506.5	1.4	0			507.9			44.5	44.5	53.5	593.2	0	646.7	0	0	
Spain, Aragon	1081.7	244.2	0.7	0		65.7	310.5	6.4	43.5	0	49.9	61.6	647.8	0	709.4	11.8	0	
Spain, Asturias	1038.9	371.3	5.5	0	0	2.2	378.9	41.8	50.7	0	92.6	33.6	533.7	0	567.4	0	0	
Spain, Basque country	1102.2	307.6	1.6	0			309.2	10.8	59.9	0	70.8	63.0	657.1	0	720.1	2.1	0	
Spain, Cantabria *	1050.8	276.9	0	0			276.9	11.5	42.8	0	54.3	44.6	673.6	0	718.2	1.4	0	
Spain, Castile and León *	948.2	331.0	2.0	0			333.0	20.7	34.2	0	54.8			560.3	560.3	0	0	
Spain, Castile-La Mancha *	1122.7	407.5	1.3	0			408.8	17.2	41.3	0	58.5	18.0	636.0	0	653.9	1.5	0	
Spain, Catalonia	1354.3	163.3	0.6	0		374.1	538.0	26.5	29.1	0	55.6	151.1	609.6	0	760.7	0	0	
Spain, Extremadura	1071.1	477.1	8.0	0			485.1	30.1	24.7	0	54.8	18.6	261.3	251.4	531.3	0	0	
Spain, Galicia	1127.0	456.2	4.4	0	0	2.9	463.4	30.2	53.0	0	83.2	73.1	488.8	18.4	580.4	0	0	
Spain, Community of Madrid	1163.8	456.4	0	0			456.4	18.0	47.3	1.1	66.3	40.8	599.9	0	640.7	0.5	0	
Spain, Region of Murcia	1440.6	308.4	0	0	0	432.4	740.7	15.7	55.0	0	70.7	42.9	586.3	0	629.2	0	0	
Spain, Navarre *	1236.9	404.0	19.2	0			423.2	37.7	3.2	0	40.9	55.1	717.6	0	772.8	0	0	
Spain, Valencian region	1317.6	663.3	5.7	0			669.0	9.5	78.8	0	88.4	22.6	410.0	125.8	558.4	2.0	0	
Sweden	954.3	288.0	14.2	0			302.2			84.7	84.7	245.5	321.6	0	567.1	0.2	0	
Switzerland †	863.0	368.9	5.8	0	7.3	0	382.1	19.6	19.8	0	39.3	171.8	269.4	0.3	441.6	0	0	
the Netherlands	1011.8	306.9	17.3	0			324.3	29.7	21.5	0	51.2	318.1	317.9	0.4	636.3	0	0	
United Kingdom, All countries * ¶ § #	965.8	307.7	20.1	0.4	0.4	53.6	382.1	31.2	23.0	1.0	55.3	167.9	343.4	16.9	528.2	0.2	0	
United Kingdom, England * ¶ #	971.7	304.9	20.9	0.2	0.4	62.7	389.1	30.9	24.7	1.2	56.8	167.2	340.0	18.4	525.6	0.2	0	
United Kingdom, Northern Ireland * #	1022.6	337.8	10.4	7.7	0	10.9	366.8	42.1			44.4	245.7	325.3	39.7	610.8		0	
United Kingdom, Scotland	914.1	333.5	9.8	0			343.3	30.6	12.4	0	43.1	159.0	366.9	1.6	527.5	0.2	0	
United Kingdom, Wales * #	955.9	300.5	30.4	0		14.7	346.3	35.3	25.7		61.3	162.7	381.8	3.9	548.3	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
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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	32.4	0	0	0	11.4	43.8	2.1	2.0	0.1	4.1	8.3	43.6	0.1	52.0	0	0
Belgium, Dutch-speaking *	100	30.9	0.7	0	0	20.5	52.1	3.0	1.2	0	4.2	2.8	40.8	0.1	43.7	0	0
Belgium, French-speaking *	100	35.7	1.1	0	0.5	16.9	54.2	1.9	2.4	0	4.4	3.5	33.7	4.1	41.3	0.2	0
Bosnia and Herzegovina	100	75.1	0	0	0	9.9	85.0	0.1	3.2	0.1	3.4	7.7	3.8	0.2	11.6	0	0
Denmark &	100	35.1	2.9	0			38.1	5.2	4.8	0.3	10.3	20.9	30.7	0	51.5	0	0
Estonia	100	36.1	0	0	0.1	1.1	37.3	4.6	1.4	0	6.0	1.1	55.6	0	56.7	0	0
Finland	100	17.5	2.8	0	0	11.6	31.9	4.5	3.0	0	7.5	4.8	55.5	0.2	60.5	0	0
France	100	34.3	0.4	0.1	0.1	16.2	51.1	1.4	2.1	0	3.5	4.8	37.6	2.5	44.9	0.5	0
Greece	100	54.1	0	0	0	22.1	76.2	3.5	1.8	0	5.2	7.6	11.0	0	18.5	0	0
Iceland	100	24.1	0	0			24.1	0	0	5.8	5.8	46.4	23.7	0	70.1	0	0
Norway	100	24.1	0.3	0			24.5			5.2	5.2	27.4	42.8	0.1	70.3	0	0
Romania	100	84.1	0	0	0	0.4	84.6	0.4	6.1	0	6.6	1.7	3.4	3.7	8.7	0.1	0
Serbia	100	66.1	0.4	0.3	0.1	15.8	82.7	0.5	6.3	0.1	6.9	6.3	3.1	0.1	9.5	0.3	0.6
Spain, Andalusia	100	41.7	0.1	0			41.8			3.7	3.7	4.6	49.9	0	54.5	0	0
Spain, Aragon	100	24.3	0.1	0		6.2	30.6	0.6	4.2	0	4.8	5.1	58.4	0	63.5	1.1	0
Spain, Asturias	100	37.8	0.4	0	0	0.2	38.4	3.7	5.1	0	8.8	2.9	49.8	0	52.8	0	0
Spain, Basque country	100	29.7	0.1	0			29.9	0.9	5.6	0	6.5	5.1	58.3	0	63.4	0.2	0
Spain, Cantabria *	100	27.3	0	0			27.3	0.9	4.1	0	5.0	3.8	63.8	0	67.6	0.1	0
Spain, Castile and León *	100	38.9	0.2	0			39.0	2.1	3.8	0	5.9		55.1	55.1	55.1	0	0
Spain, Castile-La Mancha *	100	37.6	0.1	0			37.7	1.5	3.7	0	5.2	1.5	55.5	0	57.0	0.1	0
Spain, Catalonia	100	12.4	0	0		28.2	40.7	1.9	2.1	0	4.0	11.1	44.2	0	55.3	0	0
Spain, Extremadura	100	46.4	0.7	0			47.1	2.8	2.3	0	5.1	1.7	23.4	22.8	47.8	0	0
Spain, Galicia	100	43.5	0.4	0	0	0.2	44.2	2.7	4.8	0	7.4	5.8	41.4	1.3	48.4	0	0
Spain, Community of Madrid	100	39.2	0	0			39.2	1.5	4.0	0.1	5.6	3.5	51.6	0	55.1	0	0
Spain, Region of Murcia	100	21.1	0	0	0	29.7	50.8	1.1	3.8	0	4.9	3.1	41.1	0	44.3	0	0
Spain, Navarre *	100	33.8	1.6	0			35.4	3.1	0.2	0	3.3	4.4	56.9	0	61.3	0	0
Spain, Valencian region	100	51.0	0.4	0			51.4	0.7	6.0	0	6.7	1.6	30.7	9.5	41.8	0.1	0
Sweden	100	31.2	1.4	0			32.6			9.2	9.2	24.7	33.4	0	58.2	0	0
Switzerland	100	43.0	0.7	0	0.9	0	44.5	2.2	2.3	0	4.5	19.9	31.1	0	51.0	0	0
the Netherlands	100	30.1	1.7	0			31.8	2.9	2.2	0	5.1	31.3	31.8	0	63.1	0	0
United Kingdom, All countries * § #	100	32.4	2.1	0	0	5.6	40.2	3.3	2.4	0.1	5.8	17.1	35.3	1.7	54.0	0	0
United Kingdom, England * #	100	31.8	2.1	0	0	6.6	40.6	3.2	2.6	0.1	5.9	16.9	34.7	1.9	53.5	0	0
United Kingdom, Northern Ireland * #	100	32.7	1.0	0.7	0	1.1	35.5	4.0			4.3	24.3	32.0	3.9	60.1		0
United Kingdom, Scotland	100	37.0	1.1	0			38.1	3.3	1.4	0	4.7	17.0	40.0	0.2	57.2	0	0
United Kingdom, Wales * #	100	33.1	3.1	0		1.6	37.9	3.8	2.8		6.6	16.0	39.1	0.4	55.5	0	0

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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

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	44	4	52	0	15	6	79	0	27	5	68	0	35	4	61	0	47	4	48	0	71	3	26	0	44	4	51	0	43	4	53	0	58	4	38	0	40	4	55	0
Belgium, Dutch-speaking *	52	4	44	0					28	5	68	0	31	4	65	0	49	5	46	0	84	4	12	0	52	4	44	0	53	4	44	0	70	4	27	0	48	4	47	0
Belgium, French-speaking *	54	4	41	0					33	5	61	0	41	4	54	0	55	4	41	0	79	5	16	0	54	4	41	0	54	5	41	0	72	5	23	0	50	4	45	0
Bosnia and Herzegovina	85	3	12	0	47	5	47	0	62	4	33	0	84	3	12	0	94	4	2	0	97	2	0	0	84	3	13	0	87	4	9	0	89	6	5	0	84	3	13	0
Denmark	38	10	52	0	7	6	88	0	21	5	74	0	30	8	62	0	46	14	41	0	70	19	11	0	39	11	50	0	37	10	54	0	51	14	35	0	35	10	55	0
Estonia	37	6	57	0	13	25	63	0	27	4	69	0	28	6	66	0	46	3	51	0	69	11	19	0	36	5	59	0	39	7	54	0	32	9	59	0	38	5	56	0
Finland	32	8	61	0	2	5	93	0	26	7	67	0	25	7	68	0	34	6	60	0	58	11	31	0	34	7	59	0	28	8	64	0	41	10	49	0	29	7	64	0
France	51	4	45	0	17	6	77	0	30	2	68	0	38	2	59	1	54	4	42	1	80	6	13	0	51	3	45	0	51	4	44	0	73	4	23	0	47	3	49	1
Greece	76	5	19	0	29	23	48	0	51	6	44	0	68	5	27	0	80	6	14	0	93	4	2	0	77	5	18	0	75	6	19	0	91	6	4	0	73	5	22	0
Iceland	24	6	70	0	0	0	100	0	21	5	74	0	11	7	82	0	35	8	58	0	67	0	33	0	25	7	68	0	22	5	73	0	31	4	65	0	23	6	71	0
Norway	24	5	70	0	4	3	94	0	17	3	80	0	18	3	79	0	27	6	68	0	47	12	41	0	25	5	70	0	24	6	70	0	31	6	62	0	23	5	71	0
Romania	85	7	9	0	56	23	21	0	68	5	26	0	84	6	10	0	91	7	2	0	92	8	0	0	84	6	10	0	85	7	7	0	88	9	3	0	84	6	9	0
Serbia	83	7	10	1	31	13	56	0	59	8	33	1	84	7	7	1	93	6	1	0	93	7	0	1	84	6	9	1	81	9	10	0	84	11	5	0	82	6	10	1
Spain, Andalusia	42	4	54	0	13	9	78	0	23	2	75	0	30	4	66	0	47	4	49	0	78	4	18	0	41	4	56	0	44	4	52	0	64	4	32	0	38	4	59	0
Spain, Aragon	31	5	63	1	0	0	100	0	18	3	78	0	21	5	72	1	27	5	68	1	55	6	38	1	30	5	64	1	32	4	63	1	49	5	45	1	27	5	67	1
Spain, Asturias	38	9	53	0	9	27	64	0	27	6	67	0	31	9	60	0	35	10	55	0	65	8	28	0	39	11	50	0	37	5	58	0	52	12	36	0	36	8	56	0
Spain, Basque country	30	7	63	0	0	0	100	0	14	4	82	1	21	7	72	0	30	7	63	0	58	7	35	0	31	7	62	0	28	6	66	0	54	10	36	0	27	6	67	0
Spain, Cantabria *	27	5	68	0					16	7	77	0	18	3	79	0	28	4	67	1	51	8	40	0	28	6	65	0	25	2	73	0	42	7	52	0	25	5	70	0
Spain, Castile and León *	39	6	55	0					20	6	74	0	23	6	71	0	38	5	57	0	69	7	25	0	41	6	54	0	36	6	58	0	56	7	37	0	35	6	59	0
Spain, Castile-La Mancha *	38	5	57	0					19	7	74	0	29	6	65	0	36	4	61	0	67	4	29	0	38	5	56	0	37	5	58	0	56	6	38	0	34	5	61	0
Spain, Catalonia	41	4	55	0	9	1	91	0	20	4	76	0	27	4	69	0	40	5	56	0	75	4	22	0	41	4	55	0	40	4	56	0	60	5	35	0	37	4	59	0
Spain, Extremadura	47	5	48	0	0	25	75	0	23	4	73	0	36	7	57	0	50	4	47	0	81	4	15	0	46	5	49	0	49	5	46	0	70	4	26	0	43	5	52	0
Spain, Galicia	44	7	48	0	6	6	89	0	27	4	70	0	30	8	62	0	46	8	45	0	78	8	14	0	45	7	48	0	42	8	50	0	62	10	28	0	41	7	52	0
Spain, Community of Madrid	39	6	55	0	9	4	88	0	23	7	70	0	28	6	66	0	42	6	52	0	67	5	28	0	41	6	54	0	37	6	57	0	58	6	36	0	35	6	59	0
Spain, Region of Murcia	51	5	44	0	0	11	89	0	34	5	61	0	38	6	57	0	51	5	43	0	86	3	11	0	51	5	44	0	51	5	44	0	72	7	21	0	47	5	48	0
Spain, Navarre *	35	3	61	0					17	2	82	0	23	5	73	0	38	1	61	0	68	4	27	0	38	4	59	0	31	2	67	0	54	5	41	0	32	3	65	0
Spain, Valencian region	51	7	42	0	11	4	86	0	26	8	65	0	38	8	54	0	52	6	41	0	83	5	12	0	52	7	41	0	50	7	44	0	70	6	23	0	48	7	45	0
Sweden	33	9	58	0	7	7	86	0	20	6	74	0	24	6	69	0	36	10	54	0	61	17	22	0	33	9	58	0	32	9	59	0	46	13	42	0	30	8	62	0
Switzerland	44	5	51	0	5	8	86	0	27	4	69	0	31	4	65	0	48	4	48	0	77	5	18	0	46	5	50	0	43	5	53	0	60	5	35	0	42	4	54	0
the Netherlands	32	5	63	0	6	3	91	0	16	3	81	0	22	4	74	0	33	6	61	0	66	8	25	0	32	5	63	0	32	5	63	0	52	8	41	0	29	5	66	0
United Kingdom, All countries *	40	6	54	0					23	5	72	0	31	5	64	0	47	7	46	0	76	9	15	0	41	6	54	0	39	6	55	0	58	8	35	0	37	5	58	0
United Kingdom, England *	41	6	53	0					24	5	72	0	32	5	63	0	47	7	46	0	76	9	15	0	41	6	53	0	40	6	54	0	58	8	34	0	37	6	57	0
United Kingdom, Northern Ireland *	36	4	60	0					15	4	82	0	23	2	75	0	49	6	46	0	74	9	17	0	36	4	60	0	34	5	61	0	59	6	36	0	31	4	65	0
United Kingdom, Scotland	38	5	57	0	13	15	72	0	21	4	75	0	30	4	66	0	52	5	43	0	76	7	17	0	38	4	58	0	38	6	56	0	57	7	35	0	34	4	61	0
United Kingdom, Wales *	38	7	55	0					23	4	72	0	27	6	66	0	42	9	49	0	72	8	20	0	38	6	56	0	38	7	55	0	51	9	40	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

* Patients younger than 20 years of age are not reported

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 §	423	100	34	8.0	30	7.1	0	0	64	15.1	359	84.9	0	0
Belgium, Dutch-speaking *	277	100	9	3.2	11	4.0	0	0	20	7.2	257	92.8	0	0
Belgium, French-speaking *	171	100	16	9.4	9	5.3	0	0	25	14.6	146	85.4	0	0
Bosnia and Herzegovina	24	100	10	41.7	3	12.5	0	0	13	54.2	11	45.8	0	0
Denmark	262	100	60	22.9	47	17.9	0	0	107	40.8	155	59.2	0	0
Estonia	42	100	4	9.5	0	0	0	0	4	9.5	38	90.5	0	0
Finland	261	100	15	5.7	7	2.7	0	0	22	8.4	239	91.6	0	0
France	3619	100	576	15.9	0	0	0	0	576	15.9	3039	84.0	4	0.1
Greece	141	100	43	30.5	10	7.1	0	0	53	37.6	88	62.4	0	0
Iceland	5	100	1	20.0	1	20.0	3	60.0	5	100	0	0	0	0
Norway	240	100	29	12.1	18	7.5	0	0	47	19.6	193	80.4	0	0
Romania //	188	100	27	14.4	0	0	1	0.5	28	14.9	128	68.1	32	17.0
Serbia □	52	100	15	28.8	1	1.9	3	5.8	19	36.5	31	59.6	2	3.8
Spain, Andalusia	546	100	32	5.9	14	2.6	1	0.2	47	8.6	499	91.4	0	0
Spain, Aragon	107	100	9	8.4	2	1.9	0	0	11	10.3	96	89.7	0	0
Spain, Asturias	60	100	5	8.3	2	3.3	0	0	7	11.7	53	88.3	0	0
Spain, Basque country	171	100	0	0	0	0	20	11.7	20	11.7	151	88.3	0	0
Spain, Cantabria *	39	100	2	5.1	0	0	0	0	2	5.1	37	94.9	0	0
Spain, Castile and León *	111	100											111	100
Spain, Castile-La Mancha *	115	100	0	0	0	0	4	3.5	4	3.5	111	96.5	0	0
Spain, Catalonia	708	100	138	19.5	0	0	0	0	138	19.5	570	80.5	0	0
Spain, Extremadura	56	100	2	3.6	1	1.8	0	0	3	5.4	51	91.1	2	3.6
Spain, Galicia	135	100	8	5.9	20	14.8	0	0	28	20.7	107	79.3	0	0
Spain, Community of Madrid	362	100	22	6.1	7	1.9	0	0	29	8.0	333	92.0	0	0
Spain, Region of Murcia	76	100	6	7.9	4	5.3	0	0	10	13.2	66	86.8	0	0
Spain, Navarre *	58	100	0	0	0	0	6	10.3	6	10.3	52	89.7	0	0
Spain, Valencian region	267	100	14	5.2	1	0.4	2	0.7	17	6.4	250	93.6	0	0
Sweden	423	100	79	18.7	55	13.0	0	0	134	31.7	289	68.3	0	0
Switzerland †	298	100	54	18.1	63	21.1	0	0	117	39.3	181	60.7	0	0
the Netherlands	962	100					547	56.9	547	56.9	415	43.1	0	0
United Kingdom, All countries * ¶	2977	100	405	13.6	250	8.4	199	6.7	854	28.7	2090	70.2	33	1.1
United Kingdom, England * ¶	2529	100	343	13.6	210	8.3	133	5.3	686	27.1	1810	71.6	33	1.3
United Kingdom, Northern Ireland *	115	100	42	36.5	28	24.3	0	0	70	60.9	45	39.1	0	0
United Kingdom, Scotland	256	100	2	0.8	2	0.8	71	27.7	75	29.3	181	70.7	0	0
United Kingdom, Wales *	83	100	18	21.7	10	12.0	0	0	28	33.7	55	66.3	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 transplantation activity reflects 70% of the total transplantation activity in the country, because there is an underreporting of preemptive transplantations

□ The transplant activity is underestimated by approximately 29% for deceased donor transplants and by approximately 39% for living donor transplants due to centers not submitting complete data for 2016

† The transplant activity reflects 94% of the total transplant activity in the country

¶ The transplant activity is underestimated by approximately 7% due to one centre not submitting complete data for 2016

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 §	46.7	3.9	3.2	0	7.1	39.5	0
Belgium, Dutch-speaking *	42.6	1.4	1.7	0	3.1	39.5	0
Belgium, French-speaking *	35.5	3.3	1.9	0	5.2	30.3	0
Bosnia and Herzegovina	6.8	2.8	0.8	0	3.7	3.1	0
Denmark	45.3	10.4	8.1	0	18.5	26.8	0
Estonia	31.9	3.0	0	0	3.0	28.9	0
Finland	47.5	2.7	1.3	0	4.0	43.5	0
France	54.1	8.6	0	0	8.6	45.5	0.1
Greece	13.1	4.0	0.9	0	4.9	8.2	0
Iceland	14.9	3.0	3.0	8.9	14.9	0	0
Norway	45.8	5.5	3.4	0	9.0	36.9	0
Romania //	9.6	1.4	0	0.1	1.4	6.6	1.6
Serbia □	7.4	2.1	0.1	0.4	2.7	4.4	0.3
Spain, Andalusia	65.0	3.8	1.7	0.1	5.6	59.4	0
Spain, Aragon	81.2	6.8	1.5	0	8.4	72.9	0
Spain, Asturias	57.6	4.8	1.9	0	6.7	50.9	0
Spain, Basque country	79.0	0	0	9.2	9.2	69.7	0
Spain, Cantabria *	67.0	3.4	0	0	3.4	63.6	0
Spain, Castile and León *	45.4						45.4
Spain, Castile-La Mancha *	56.2	0	0	2.0	2.0	54.3	0
Spain, Catalonia	94.1	18.3	0	0	18.3	75.8	0
Spain, Extremadura	51.5	1.8	0.9	0	2.8	46.9	1.8
Spain, Galicia	49.7	2.9	7.4	0	10.3	39.4	0
Spain, Community of Madrid	56.0	3.4	1.1	0	4.5	51.5	0
Spain, Region of Murcia	51.9	4.1	2.7	0	6.8	45.1	0
Spain, Navarre *	90.8	0	0	9.4	9.4	81.4	0
Spain, Valencian region	53.8	2.8	0.2	0.4	3.4	50.4	0
Sweden	42.6	8.0	5.5	0	13.5	29.1	0
Switzerland †	35.6	6.4	7.5	0	14.0	21.6	0
the Netherlands	58.8			33.5	33.5	25.4	0
United Kingdom, All countries * ¶	45.3	6.2	3.8	3.0	13.0	31.8	0.5
United Kingdom, England * ¶	45.8	6.2	3.8	2.4	12.4	32.7	0.6
United Kingdom, Northern Ireland *	61.8	22.6	15.0	0	37.6	24.2	0
United Kingdom, Scotland	47.4	0.4	0.4	13.1	13.9	33.5	0
United Kingdom, Wales *	26.7	5.8	3.2	0	9.0	17.7	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 transplantation activity reflects 70% of the total transplantation activity in the country, because there is an underreporting of preemptive transplantations

□ The transplant activity is underestimated by approximately 29% for deceased donor transplants and by approximately 39% for living donor transplants due to centers not submitting complete data for 2016

† The transplant activity reflects 94% of the total transplant activity in the country

¶ The transplant activity is underestimated by approximately 7% due to one centre not submitting complete data for 2016

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

	All				Men				Women			
	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Austria	100	53.0	14.2	55.4	67.1	53.8	14.4	56.6	32.9	51.5	13.8	52.9
Belgium, Dutch-speaking *	100	54.5	12.5	56.8	63.9	55.5	12.0	57.2	36.1	52.6	13.1	55.8
Belgium, French-speaking *	100	52.2	14.4	54.5	58.5	55.8	11.5	56.0	41.5	47.2	16.6	49.5
Bosnia and Herzegovina	100	44.0	15.4	43.8	70.8	45.8	16.4	50.2	29.2	39.5	12.4	38.9
Denmark	100	48.9	15.1	49.6	65.3	49.2	15.5	50.0	34.7	48.2	14.3	48.6
Estonia	100	50.5	13.2	53.6	54.8	49.5	13.0	51.6	45.2	51.7	13.6	55.5
Finland	100	52.4	16.7	56.0	66.3	53.5	15.5	56.1	33.7	50.4	18.6	55.9
France	100	51.3	16.1	53.1	63.9	51.8	16.1	53.5	36.1	50.4	16.1	52.3
Greece	100	46.3	13.4	47.6	65.2	44.9	14.2	45.8	34.8	49.0	11.5	49.9
Iceland	100	49.1	18.5	47.0	20.0	75.5	0	75.5	80.0	42.5	12.8	41.6
Norway	100	52.9	16.3	54.5	65.8	54.1	15.2	56.0	34.2	50.6	18.3	50.8
Romania	100	40.8	12.5	40.6	59.6	41.5	11.8	42.7	40.4	39.6	13.5	38.5
Serbia □	100	37.4	14.2	36.5	55.8	36.7	14.2	32.6	44.2	38.2	14.4	41.3
Spain, Andalusia	100	52.5	14.8	54.5	64.7	53.9	14.6	56.0	35.3	50.1	14.8	52.1
Spain, Aragon	100	57.1	15.3	59.3	63.6	59.3	13.3	60.6	36.4	53.4	17.9	53.6
Spain, Asturias	100	58.1	13.2	60.4	58.3	60.0	13.1	62.1	41.7	55.5	13.2	58.6
Spain, Basque country	100	54.2	15.7	56.6	60.2	54.8	15.6	60.1	39.8	53.3	15.9	55.0
Spain, Cantabria *	100	54.8	12.2	57.1	64.1	58.0	10.3	61.1	35.9	49.2	13.6	43.0
Spain, Castile and León *	100	57.2	13.4	58.4	67.6	57.9	13.9	59.6	32.4	55.9	12.5	57.3
Spain, Castile-La Mancha *	100	54.2	12.6	54.8	69.6	54.4	12.9	55.4	30.4	53.6	12.0	54.1
Spain, Catalonia	100	57.0	15.4	59.7	64.4	57.7	15.4	60.8	35.6	55.7	15.5	58.2
Spain, Extremadura	100	55.1	12.8	56.6	73.2	55.7	11.1	57.5	26.8	53.6	16.9	56.0
Spain, Galicia	100	51.9	12.8	52.7	67.4	51.5	12.1	51.1	32.6	52.9	14.2	55.5
Spain, Community of Madrid	100	53.3	16.0	55.2	60.5	54.1	16.0	56.1	39.5	52.2	16.0	54.3
Spain, Region of Murcia	100	56.1	14.7	59.3	73.7	55.3	15.3	57.7	26.3	58.3	13.3	60.0
Spain, Navarre *	100	55.5	13.1	56.0	62.1	54.7	12.0	54.0	37.9	56.8	14.9	60.3
Spain, Valencian region	100	52.9	14.3	55.0	61.8	53.5	13.8	56.0	38.2	51.9	15.0	53.0
Sweden	100	50.4	16.7	53.4	68.3	52.1	16.0	54.5	31.7	46.8	17.8	51.5
Switzerland	100	52.0	14.7	53.7	61.1	51.3	15.7	53.4	38.9	53.0	12.8	55.4
the Netherlands	100	52.9	15.4	55.7	60.3	53.7	15.7	57.0	39.7	51.7	15.0	53.9
United Kingdom, All countries *	100	50.6	13.6	51.4	62.0	50.9	13.7	51.8	38.0	50.2	13.4	51.1
United Kingdom, England *	100	50.6	13.6	51.5	62.8	51.0	13.7	51.9	37.2	50.0	13.5	51.0
United Kingdom, Northern Ireland *	100	52.6	13.6	54.2	51.3	51.3	14.4	51.9	48.7	54.1	12.7	54.3
United Kingdom, Scotland	100	49.4	14.0	50.5	60.2	48.7	14.8	50.3	39.8	50.3	12.7	50.6
United Kingdom, Wales *	100	49.2	13.7	50.7	60.2	50.2	13.6	50.9	39.8	47.7	14.0	50.6

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

* Patients younger than 20 years of age are not reported

□ The transplant activity is underestimated by approximately 29% for deceased donor transplants and by approximately 39% for living donor transplants due to centers not submitting complete data for 2016

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

	Survival probabilities as % (95% CI)						
	cohort 2007 - 2011				cohort 2010 - 2014		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.3 (98.7-99.6)	97.2 (96.3-97.9)	96.2 (95.2-97.0)	94.6 (93.4-95.5)	99.2 (98.6-99.5)	97.9 (97.1-98.5)	96.5 (95.4-97.3)
20-44	99.1 (99.0-99.3)	97.0 (96.8-97.2)	94.6 (94.2-94.9)	89.1 (88.7-89.5)	99.1 (99.0-99.3)	97.2 (97.0-97.4)	95.0 (94.7-95.3)
45-64	97.1 (97.0-97.3)	90.8 (90.5-91.0)	84.1 (83.8-84.4)	67.7 (67.4-68.0)	97.4 (97.3-97.5)	91.5 (91.3-91.7)	85.5 (85.2-85.8)
65-74	94.0 (93.8-94.2)	82.0 (81.7-82.3)	70.3 (69.9-70.6)	43.3 (43.1-43.5)	94.6 (94.3-94.8)	83.8 (83.5-84.1)	72.8 (72.5-73.1)
75+	89.9 (89.7-90.1)	72.4 (72.1-72.7)	56.4 (56.2-56.7)	23.7 (23.6-23.8)	90.7 (90.4-90.9)	74.1 (73.8-74.3)	58.3 (58.0-58.5)
Men	94.4 (94.2-94.5)	83.5 (83.3-83.7)	73.0 (72.8-73.2)	49.8 (49.6-49.9)	94.7 (94.6-94.8)	84.5 (84.3-84.7)	74.3 (74.1-74.5)
Women	94.2 (94.1-94.4)	83.7 (83.4-83.9)	73.6 (73.3-73.9)	51.8 (51.5-52.0)	94.7 (94.5-94.8)	84.7 (84.5-85.0)	75.2 (75.0-75.5)
Diabetes	95.1 (94.9-95.3)	84.1 (83.7-84.4)	71.7 (71.4-72.0)	43.5 (43.2-43.7)	95.6 (95.4-95.8)	85.7 (85.4-86.0)	74.0 (73.7-74.4)
Hypertension / renal vascular disease	94.1 (93.8-94.3)	81.8 (81.5-82.2)	68.9 (68.5-69.3)	40.9 (40.7-41.1)	94.3 (94.1-94.5)	82.9 (82.5-83.2)	70.6 (70.2-70.9)
Glomerulonephritis	97.5 (97.2-97.7)	92.3 (91.9-92.6)	86.7 (86.3-87.2)	72.5 (72.1-73.0)	97.5 (97.2-97.7)	92.3 (91.9-92.6)	86.9 (86.5-87.3)
Other causes	93.5 (93.4-93.7)	82.5 (82.2-82.7)	73.1 (72.8-73.3)	53.0 (52.8-53.2)	94.0 (93.8-94.2)	83.2 (83.0-83.5)	73.9 (73.6-74.1)
All	94.3 (94.2-94.4)	83.6 (83.4-83.7)	73.2 (73.1-73.4)	50.5 (50.4-50.6)	94.7 (94.6-94.8)	84.6 (84.4-84.7)	74.6 (74.5-74.8)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011				cohort 2010 - 2014		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.0 (98.6-99.5)	97.0 (96.1-97.9)	95.9 (94.9-97.0)	94.2 (93.0-95.4)	99.1 (98.6-99.6)	97.8 (97.1-98.6)	96.4 (95.4-97.4)
20-44	99.1 (99.0-99.3)	97.0 (96.7-97.2)	94.4 (94.1-94.8)	88.6 (88.2-89.1)	99.2 (99.0-99.3)	97.2 (97.0-97.5)	94.9 (94.6-95.2)
45-64	97.2 (97.1-97.4)	91.1 (90.8-91.3)	84.5 (84.1-84.8)	67.9 (67.5-68.4)	97.5 (97.3-97.6)	91.7 (91.4-91.9)	85.7 (85.4-86.0)
65-74	94.4 (94.1-94.6)	82.9 (82.5-83.3)	71.4 (70.9-71.9)	44.5 (44.0-45.0)	94.8 (94.6-95.0)	84.4 (84.1-84.8)	73.6 (73.1-74.0)
75+	90.2 (89.9-90.4)	73.1 (72.7-73.5)	57.3 (56.8-57.7)	24.3 (23.9-24.7)	90.9 (90.6-91.1)	74.6 (74.3-75.0)	59.0 (58.5-59.4)
Men	95.4 (95.3-95.5)	86.1 (85.8-86.3)	76.2 (75.9-76.4)	50.5 (50.1-50.8)	95.7 (95.6-95.8)	86.9 (86.7-87.1)	77.4 (77.1-77.6)
Women	95.5 (95.3-95.6)	86.6 (86.3-86.9)	77.4 (77.1-77.8)	53.9 (53.4-54.3)	95.8 (95.6-95.9)	87.4 (87.2-87.7)	78.7 (78.4-79.1)
Diabetes	95.7 (95.5-95.9)	85.5 (85.1-85.8)	73.5 (73.1-74.0)	43.4 (42.8-43.9)	96.1 (95.9-96.3)	87.2 (86.8-87.5)	76.1 (75.7-76.5)
Hypertension / renal vascular disease	96.3 (96.1-96.4)	88.1 (87.8-88.4)	78.6 (78.2-79.0)	52.9 (52.4-53.5)	96.4 (96.2-96.5)	88.7 (88.4-89.0)	79.8 (79.4-80.2)
Glomerulonephritis	96.9 (96.7-97.2)	90.5 (90.1-91.0)	83.5 (82.9-84.1)	64.1 (63.2-64.9)	97.0 (96.7-97.3)	90.7 (90.3-91.2)	84.0 (83.4-84.6)
Other causes	94.4 (94.2-94.5)	84.3 (84.0-84.6)	75.0 (74.7-75.4)	52.2 (51.8-52.6)	94.8 (94.7-95.0)	85.1 (84.9-85.4)	76.0 (75.7-76.3)
All	95.4 (95.3-95.5)	86.3 (86.1-86.4)	76.6 (76.4-76.9)	51.7 (51.5-52.0)	95.7 (95.6-95.8)	87.1 (86.9-87.3)	77.9 (77.7-78.1)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	97.7 (96.9-98.4)	96.9 (95.9-97.6)	95.3 (94.2-96.2)	98.3 (97.5-98.8)	97.2 (96.3-97.9)
20-44	97.3 (97.0-97.5)	94.9 (94.6-95.2)	89.4 (89.0-89.8)	97.5 (97.2-97.7)	95.4 (95.1-95.7)
45-64	91.7 (91.5-91.9)	85.1 (84.8-85.4)	68.2 (67.9-68.5)	92.5 (92.3-92.7)	86.3 (86.0-86.6)
65-74	84.1 (83.7-84.4)	72.0 (71.6-72.3)	43.8 (43.6-44.1)	85.7 (85.4-86.0)	74.2 (73.8-74.5)
75+	76.0 (75.7-76.3)	58.9 (58.6-59.2)	24.2 (24.1-24.3)	77.4 (77.1-77.7)	60.4 (60.1-60.7)
Men	85.7 (85.5-85.8)	75.0 (74.8-75.2)	50.9 (50.7-51.1)	86.5 (86.3-86.7)	75.9 (75.7-76.1)
Women	86.2 (85.9-86.4)	75.8 (75.6-76.1)	53.2 (53.0-53.5)	87.1 (86.9-87.4)	77.2 (76.9-77.5)
Diabetes	85.0 (84.7-85.4)	72.5 (72.1-72.8)	43.4 (43.2-43.7)	86.6 (86.3-86.9)	74.5 (74.1-74.8)
Hypertension / renal vascular disease	83.5 (83.2-83.9)	70.2 (69.8-70.6)	41.5 (41.2-41.7)	84.7 (84.3-85.0)	72.0 (71.6-72.3)
Glomerulonephritis	93.2 (92.9-93.6)	87.6 (87.2-88.0)	73.2 (72.7-73.7)	93.4 (93.0-93.7)	87.7 (87.3-88.1)
Other causes	85.6 (85.4-85.9)	76.1 (75.8-76.3)	55.1 (54.9-55.3)	86.1 (85.9-86.3)	76.4 (76.1-76.6)
All	85.8 (85.7-86.0)	75.3 (75.1-75.5)	51.8 (51.6-51.9)	86.7 (86.6-86.9)	76.4 (76.2-76.5)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	97.6 (96.8-98.4)	96.6 (95.7-97.6)	94.9 (93.7-96.1)	98.2 (97.5-98.9)	97.1 (96.2-98.0)
20-44	97.2 (96.9-97.4)	94.7 (94.4-95.0)	88.9 (88.5-89.4)	97.4 (97.2-97.6)	95.2 (94.9-95.6)
45-64	91.9 (91.7-92.2)	85.4 (85.1-85.8)	68.7 (68.3-69.2)	92.6 (92.4-92.8)	86.5 (86.2-86.8)
65-74	84.8 (84.4-85.1)	73.1 (72.6-73.5)	45.4 (44.9-46.0)	86.2 (85.8-86.5)	75.1 (74.7-75.5)
75+	76.6 (76.2-77.0)	59.7 (59.2-60.2)	25.2 (24.7-25.6)	77.8 (77.4-78.2)	61.3 (60.8-61.7)
Men	87.6 (87.4-87.8)	77.5 (77.2-77.8)	51.2 (50.9-51.6)	88.4 (88.2-88.6)	78.6 (78.3-78.8)
Women	88.4 (88.1-88.7)	78.9 (78.6-79.3)	54.9 (54.4-55.3)	89.2 (88.9-89.4)	80.2 (79.8-80.5)
Diabetes	86.2 (85.8-86.5)	74.0 (73.5-74.4)	43.2 (42.7-43.8)	87.8 (87.5-88.1)	76.4 (76.0-76.8)
Hypertension / renal vascular disease	89.1 (88.8-89.4)	79.3 (78.9-79.7)	53.3 (52.7-53.9)	89.9 (89.6-90.2)	80.7 (80.3-81.1)
Glomerulonephritis	91.6 (91.1-92.0)	84.3 (83.7-84.9)	64.7 (63.8-65.5)	91.9 (91.4-92.3)	84.9 (84.3-85.5)
Other causes	86.8 (86.6-87.1)	77.3 (77.0-77.7)	53.7 (53.3-54.1)	87.4 (87.2-87.7)	78.0 (77.7-78.3)
All	87.9 (87.7-88.1)	78.0 (77.8-78.3)	52.6 (52.3-52.9)	88.7 (88.5-88.8)	79.2 (79.0-79.4)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011				cohort 2010 - 2014		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.0 (98.3-99.5)	96.3 (95.0-97.3)	94.1 (92.2-95.5)	89.5 (86.5-91.9)	99.0 (98.2-99.5)	97.6 (96.4-98.4)	94.2 (92.1-95.7)
20-44	99.1 (98.9-99.2)	96.4 (96.1-96.7)	92.9 (92.5-93.3)	82.1 (81.4-82.8)	99.0 (98.9-99.2)	96.7 (96.4-96.9)	93.4 (92.9-93.8)
45-64	97.0 (96.8-97.1)	90.0 (89.7-90.3)	82.0 (81.7-82.4)	59.3 (59.0-59.6)	97.2 (97.1-97.4)	90.6 (90.4-90.9)	83.4 (83.1-83.7)
65-74	93.9 (93.7-94.1)	81.6 (81.3-81.9)	69.4 (69.0-69.7)	40.3 (40.1-40.5)	94.4 (94.2-94.6)	83.2 (82.9-83.6)	71.6 (71.2-71.9)
75+	89.8 (89.6-90.1)	72.3 (72.0-72.6)	56.3 (56.0-56.5)	23.4 (23.4-23.5)	90.6 (90.4-90.8)	74.0 (73.7-74.2)	58.1 (57.8-58.3)
Men	94.1 (94.0-94.3)	82.5 (82.3-82.7)	70.6 (70.4-70.8)	41.3 (41.1-41.4)	94.4 (94.3-94.6)	83.4 (83.2-83.6)	71.7 (71.5-71.9)
Women	94.0 (93.8-94.1)	82.6 (82.3-82.8)	71.2 (70.9-71.4)	43.6 (43.4-43.8)	94.4 (94.2-94.6)	83.6 (83.3-83.8)	72.6 (72.3-72.9)
Diabetes	95.0 (94.8-95.2)	83.5 (83.2-83.9)	70.4 (70.0-70.7)	38.3 (38.1-38.5)	95.5 (95.3-95.7)	85.2 (84.9-85.6)	72.8 (72.4-73.1)
Hypertension / renal vascular disease	94.0 (93.7-94.2)	81.3 (81.0-81.7)	67.7 (67.3-68.1)	36.3 (36.1-36.5)	94.2 (93.9-94.4)	82.4 (82.0-82.7)	69.3 (68.9-69.7)
Glomerulonephritis	97.3 (97.0-97.5)	91.3 (90.9-91.7)	84.2 (83.7-84.7)	62.0 (61.4-62.6)	97.2 (97.0-97.5)	91.2 (90.8-91.6)	84.3 (83.8-84.8)
Other causes	93.2 (93.0-93.3)	81.1 (80.8-81.3)	70.2 (69.9-70.4)	43.7 (43.5-43.9)	93.6 (93.4-93.8)	81.7 (81.5-82.0)	70.7 (70.4-70.9)
All	94.1 (93.9-94.2)	82.5 (82.4-82.7)	70.8 (70.6-71.0)	42.1 (42.0-42.3)	94.4 (94.3-94.5)	83.5 (83.3-83.6)	72.1 (71.9-72.2)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011				cohort 2010 - 2014		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	98.8 (98.1-99.4)	96.1 (94.8-97.4)	93.7 (91.8-95.6)	87.4 (83.5-91.6)	98.9 (98.3-99.6)	97.6 (96.6-98.6)	94.1 (92.2-96.1)
20-44	99.1 (98.9-99.2)	96.4 (96.1-96.7)	92.8 (92.3-93.2)	80.7 (79.8-81.7)	99.1 (98.9-99.3)	96.7 (96.4-97.0)	93.3 (92.9-93.8)
45-64	97.1 (96.9-97.2)	90.4 (90.1-90.7)	82.6 (82.2-82.9)	58.8 (58.3-59.4)	97.3 (97.2-97.5)	90.9 (90.6-91.2)	83.7 (83.3-84.1)
65-74	94.2 (94.0-94.5)	82.4 (82.0-82.8)	70.3 (69.9-70.8)	40.8 (40.3-41.4)	94.6 (94.4-94.9)	83.8 (83.5-84.2)	72.3 (71.8-72.7)
75+	90.1 (89.8-90.3)	72.8 (72.4-73.2)	56.9 (56.5-57.4)	23.8 (23.4-24.2)	90.8 (90.5-91.0)	74.4 (74.0-74.8)	58.6 (58.2-59.1)
Men	94.9 (94.7-95.0)	84.5 (84.3-84.8)	73.5 (73.2-73.8)	44.1 (43.7-44.5)	95.3 (95.2-95.4)	85.7 (85.5-85.9)	75.1 (74.8-75.4)
Women	94.9 (94.7-95.1)	85.0 (84.7-85.3)	74.7 (74.3-75.1)	47.7 (47.3-48.2)	95.3 (95.2-95.5)	86.2 (85.9-86.4)	76.4 (76.1-76.8)
Diabetes	95.3 (95.1-95.5)	84.4 (84.1-84.8)	71.7 (71.2-72.2)	39.1 (38.6-39.7)	95.9 (95.7-96.1)	86.4 (86.1-86.7)	74.6 (74.2-75.1)
Hypertension / renal vascular disease	95.7 (95.5-95.9)	86.3 (86.0-86.7)	75.6 (75.1-76.1)	46.8 (46.2-47.4)	95.9 (95.7-96.1)	87.4 (87.1-87.8)	77.5 (77.0-77.9)
Glomerulonephritis	96.8 (96.5-97.1)	89.9 (89.4-90.4)	81.8 (81.2-82.5)	56.8 (55.8-57.9)	96.8 (96.5-97.1)	90.0 (89.5-90.5)	82.3 (81.6-83.0)
Other causes	93.7 (93.6-93.9)	82.6 (82.3-82.9)	72.2 (71.9-72.6)	45.6 (45.1-46.0)	94.3 (94.2-94.5)	83.7 (83.4-83.9)	73.5 (73.1-73.8)
All	94.9 (94.8-95.0)	84.7 (84.5-84.9)	74.0 (73.7-74.2)	45.5 (45.2-45.8)	95.3 (95.2-95.4)	85.9 (85.7-86.0)	75.6 (75.4-75.8)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	96.8 (95.4-97.8)	94.6 (92.7-96.1)	89.9 (86.5-92.4)	97.8 (96.5-98.6)	94.9 (92.7-96.4)
20-44	96.6 (96.2-96.8)	92.9 (92.4-93.3)	81.6 (80.9-82.3)	96.8 (96.5-97.0)	93.5 (93.0-93.9)
45-64	90.8 (90.5-91.0)	82.8 (82.4-83.1)	59.0 (58.6-59.3)	91.5 (91.2-91.7)	83.8 (83.5-84.1)
65-74	83.6 (83.3-84.0)	71.0 (70.6-71.3)	40.4 (40.2-40.7)	85.1 (84.8-85.4)	72.8 (72.4-73.1)
75+	75.9 (75.6-76.2)	58.7 (58.4-59.0)	23.9 (23.8-24.0)	77.3 (77.0-77.6)	60.2 (59.9-60.4)
Men	84.5 (84.3-84.7)	72.1 (71.9-72.4)	41.4 (41.3-41.6)	85.3 (85.1-85.5)	72.9 (72.7-73.2)
Women	85.0 (84.7-85.2)	73.0 (72.7-73.3)	44.1 (43.9-44.3)	85.9 (85.6-86.1)	74.2 (73.9-74.5)
Diabetes	84.4 (84.1-84.8)	70.9 (70.5-71.2)	37.6 (37.4-37.9)	86.1 (85.7-86.4)	72.9 (72.6-73.3)
Hypertension / renal vascular disease	83.0 (82.6-83.3)	68.7 (68.3-69.1)	36.3 (36.1-36.6)	84.1 (83.7-84.5)	70.5 (70.1-70.8)
Glomerulonephritis	92.1 (91.7-92.5)	84.7 (84.1-85.2)	61.5 (60.9-62.1)	92.1 (91.7-92.5)	84.6 (84.1-85.1)
Other causes	84.1 (83.9-84.4)	72.7 (72.5-73.0)	44.6 (44.4-44.8)	84.5 (84.3-84.7)	72.7 (72.5-73.0)
All	84.7 (84.5-84.8)	72.5 (72.3-72.6)	42.4 (42.3-42.5)	85.5 (85.4-85.7)	73.4 (73.2-73.6)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	96.7 (95.4-98.0)	94.2 (92.2-96.2)	87.4 (83.0-91.9)	97.7 (96.6-98.9)	94.7 (92.7-96.8)
20-44	96.5 (96.2-96.8)	92.7 (92.2-93.2)	80.2 (79.2-81.2)	96.7 (96.4-97.0)	93.4 (92.9-93.9)
45-64	91.1 (90.8-91.4)	83.2 (82.8-83.6)	58.8 (58.2-59.3)	91.7 (91.4-92.0)	84.2 (83.8-84.5)
65-74	84.2 (83.8-84.6)	71.9 (71.4-72.3)	41.4 (40.8-41.9)	85.6 (85.2-85.9)	73.6 (73.2-74.1)
75+	76.3 (75.9-76.7)	59.3 (58.8-59.8)	24.6 (24.1-25.0)	77.6 (77.2-78.0)	60.8 (60.4-61.3)
Men	86.1 (85.8-86.3)	74.6 (74.3-74.9)	44.3 (43.9-44.7)	87.1 (86.9-87.3)	76.1 (75.8-76.4)
Women	86.9 (86.6-87.1)	76.1 (75.7-76.5)	48.2 (47.7-48.7)	87.9 (87.6-88.2)	77.7 (77.3-78.1)
Diabetes	85.1 (84.8-85.5)	72.0 (71.5-72.5)	38.6 (38.0-39.2)	87.0 (86.7-87.4)	74.7 (74.3-75.2)
Hypertension / renal vascular disease	87.3 (87.0-87.7)	76.1 (75.6-76.6)	46.6 (45.9-47.3)	88.5 (88.2-88.9)	78.2 (77.8-78.7)
Glomerulonephritis	90.8 (90.3-91.3)	82.4 (81.7-83.1)	56.7 (55.7-57.8)	91.0 (90.6-91.5)	82.8 (82.1-83.5)
Other causes	85.2 (84.9-85.5)	74.4 (74.0-74.8)	46.4 (45.9-46.9)	86.0 (85.7-86.3)	75.3 (74.9-75.6)
All	86.4 (86.2-86.6)	75.2 (74.9-75.4)	45.7 (45.4-46.1)	87.4 (87.2-87.6)	76.7 (76.4-76.9)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	99.1 (98.1-99.6)	99.0 (98.0-99.5)	97.8 (96.5-98.6)	98.3 (97.0-99.0)	97.8 (96.5-98.7)
20-44	98.5 (98.2-98.8)	97.8 (97.5-98.1)	95.7 (95.2-96.1)	98.8 (98.5-99.0)	98.1 (97.8-98.4)
45-64	96.8 (96.5-97.0)	94.7 (94.4-95.1)	88.2 (87.8-88.7)	96.9 (96.6-97.1)	95.1 (94.7-95.4)
65+	91.5 (90.8-92.2)	87.9 (87.1-88.7)	73.4 (72.5-74.3)	92.5 (91.9-93.0)	88.3 (87.7-88.9)
Men	96.0 (95.7-96.3)	93.8 (93.5-94.2)	86.6 (86.1-87.0)	96.2 (96.0-96.5)	93.9 (93.6-94.2)
Women	96.8 (96.4-97.1)	95.3 (94.9-95.7)	89.6 (89.1-90.1)	96.6 (96.2-96.9)	94.9 (94.5-95.2)
Diabetes	95.1 (94.4-95.6)	92.3 (91.5-93.0)	83.0 (82.1-83.9)	94.7 (94.1-95.2)	91.7 (91.0-92.3)
Hypertension / renal vascular disease	94.1 (93.2-94.8)	91.4 (90.4-92.2)	82.0 (80.8-83.1)	94.9 (94.2-95.5)	91.8 (91.0-92.5)
Glomerulonephritis	97.5 (97.1-97.8)	96.2 (95.7-96.7)	90.9 (90.2-91.5)	97.6 (97.2-97.9)	96.2 (95.7-96.6)
Other causes	96.7 (96.4-97.0)	94.9 (94.6-95.3)	89.0 (88.6-89.5)	96.8 (96.5-97.0)	95.0 (94.6-95.3)
All	96.3 (96.1-96.5)	94.4 (94.1-94.6)	87.7 (87.3-88.0)	96.3 (96.1-96.5)	94.3 (94.0-94.5)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	99.0 (98.3-99.7)	98.9 (98.1-99.6)	97.6 (96.4-98.7)	98.1 (97.1-99.2)	97.6 (96.5-98.8)
20-44	98.6 (98.3-98.8)	97.9 (97.6-98.2)	95.9 (95.5-96.4)	98.8 (98.6-99.0)	98.2 (97.9-98.5)
45-64	96.9 (96.6-97.2)	94.9 (94.6-95.3)	88.7 (88.2-89.2)	97.1 (96.8-97.3)	95.3 (95.0-95.6)
65+	92.1 (91.4-92.9)	88.6 (87.8-89.5)	74.9 (73.7-76.0)	93.2 (92.7-93.8)	89.3 (88.6-90.0)
Men	97.6 (97.4-97.8)	96.2 (95.9-96.4)	91.3 (90.9-91.8)	97.9 (97.7-98.1)	96.6 (96.4-96.8)
Women	97.9 (97.6-98.1)	96.9 (96.6-97.2)	92.9 (92.4-93.3)	97.9 (97.7-98.1)	96.9 (96.6-97.1)
Diabetes	96.7 (96.2-97.1)	94.7 (94.2-95.3)	87.9 (87.1-88.8)	96.8 (96.5-97.2)	95.0 (94.5-95.4)
Hypertension / renal vascular disease	97.1 (96.7-97.5)	95.7 (95.1-96.2)	90.6 (89.7-91.4)	97.6 (97.3-98.0)	96.1 (95.7-96.6)
Glomerulonephritis	98.3 (98.0-98.5)	97.4 (97.0-97.7)	93.5 (93.0-94.1)	98.4 (98.2-98.7)	97.5 (97.1-97.8)
Other causes	97.7 (97.5-97.9)	96.5 (96.2-96.8)	92.2 (91.8-92.6)	98.0 (97.8-98.1)	96.8 (96.5-97.0)
All	97.7 (97.5-97.9)	96.4 (96.2-96.6)	91.9 (91.6-92.3)	97.9 (97.8-98.1)	96.7 (96.5-96.9)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	99.4 (98.0-99.8)	99.4 (98.0-99.8)	99.1 (97.7-99.7)	99.6 (98.4-99.9)	99.6 (98.4-99.9)
20-44	99.5 (99.3-99.7)	99.3 (99.0-99.5)	97.8 (97.3-98.2)	99.8 (99.6-99.9)	99.5 (99.2-99.6)
45-64	98.3 (97.9-98.7)	97.1 (96.6-97.6)	92.7 (91.9-93.4)	98.9 (98.5-99.1)	97.8 (97.4-98.2)
65+	95.8 (94.3-96.9)	92.6 (90.7-94.1)	80.5 (78.1-82.5)	96.9 (95.8-97.7)	94.0 (92.6-95.2)
Men	98.6 (98.3-98.9)	97.8 (97.4-98.1)	94.0 (93.4-94.5)	99.0 (98.7-99.2)	98.0 (97.7-98.3)
Women	98.7 (98.3-99.1)	97.7 (97.1-98.1)	94.3 (93.6-95.0)	99.2 (98.9-99.4)	98.3 (97.9-98.6)
Diabetes	96.9 (95.5-97.9)	94.8 (93.1-96.1)	85.0 (82.7-87.0)	97.6 (96.4-98.4)	95.8 (94.3-96.9)
Hypertension / renal vascular disease	97.4 (96.0-98.3)	95.8 (94.2-96.9)	89.9 (87.8-91.7)	98.3 (97.2-98.9)	96.8 (95.5-97.7)
Glomerulonephritis	99.3 (98.9-99.6)	98.7 (98.2-99.1)	96.6 (95.8-97.2)	99.3 (98.9-99.5)	98.6 (98.1-99.0)
Other causes	98.9 (98.6-99.2)	98.1 (97.7-98.5)	95.0 (94.4-95.6)	99.3 (99.1-99.5)	98.5 (98.2-98.8)
All	98.7 (98.4-98.9)	97.8 (97.4-98.0)	94.1 (93.6-94.5)	99.1 (98.9-99.2)	98.1 (97.9-98.4)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	99.3 (98.4-100)	99.3 (98.4-100)	99.0 (98.0-100)	99.5 (98.9-100)	99.5 (98.9-100)
20-44	99.5 (99.3-99.8)	99.3 (99.0-99.5)	97.6 (97.1-98.1)	99.8 (99.7-99.9)	99.4 (99.2-99.7)
45-64	98.4 (98.1-98.8)	97.3 (96.8-97.8)	92.9 (92.1-93.7)	98.9 (98.6-99.2)	97.9 (97.5-98.3)
65+	96.1 (94.8-97.4)	93.2 (91.5-95.0)	82.0 (79.3-84.7)	97.0 (96.1-98.0)	94.4 (93.1-95.7)
Men	98.9 (98.6-99.1)	98.2 (97.8-98.5)	94.7 (94.1-95.3)	99.2 (99.0-99.4)	98.5 (98.2-98.8)
Women	98.8 (98.4-99.1)	97.8 (97.3-98.3)	94.4 (93.6-95.2)	99.3 (99.0-99.5)	98.4 (98.1-98.8)
Diabetes	97.7 (96.8-98.6)	96.2 (95.0-97.4)	88.4 (86.4-90.5)	98.4 (97.8-99.1)	97.2 (96.4-98.1)
Hypertension / renal vascular disease	98.4 (97.7-99.1)	97.4 (96.5-98.3)	93.6 (92.1-95.0)	99.0 (98.5-99.5)	98.2 (97.5-98.8)
Glomerulonephritis	99.2 (98.9-99.6)	98.6 (98.1-99.1)	96.2 (95.4-97.0)	99.2 (98.9-99.6)	98.5 (98.1-99.0)
Other causes	98.9 (98.6-99.2)	98.2 (97.8-98.5)	95.0 (94.4-95.7)	99.4 (99.2-99.6)	98.6 (98.4-98.9)
All	98.8 (98.6-99.1)	98.0 (97.7-98.3)	94.6 (94.1-95.1)	99.2 (99.1-99.4)	98.5 (98.2-98.7)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	92.5 (90.6-94.0)	90.1 (88.1-91.9)	83.7 (81.3-85.7)	92.8 (90.8-94.4)	90.3 (88.2-92.1)
20-44	94.0 (93.5-94.5)	92.0 (91.4-92.6)	85.4 (84.7-86.0)	94.2 (93.7-94.7)	92.3 (91.8-92.9)
45-64	91.6 (91.1-92.0)	88.7 (88.2-89.1)	79.9 (79.4-80.4)	91.8 (91.5-92.2)	89.1 (88.7-89.5)
65+	85.2 (84.4-86.0)	81.1 (80.2-81.9)	65.3 (64.4-66.1)	85.9 (85.3-86.6)	81.1 (80.4-81.8)
Men	90.9 (90.5-91.3)	87.9 (87.4-88.3)	78.0 (77.5-78.5)	90.9 (90.5-91.2)	87.6 (87.2-88.0)
Women	91.3 (90.8-91.8)	88.7 (88.2-89.3)	79.9 (79.2-80.5)	91.3 (90.8-91.7)	88.7 (88.2-89.2)
Diabetes	90.5 (89.7-91.2)	86.9 (86.0-87.8)	75.3 (74.3-76.2)	89.8 (89.1-90.5)	86.1 (85.3-86.9)
Hypertension / renal vascular disease	88.4 (87.3-89.4)	85.3 (84.2-86.3)	71.9 (70.8-73.1)	88.7 (87.8-89.6)	84.8 (83.8-85.7)
Glomerulonephritis	91.8 (91.2-92.4)	89.1 (88.4-89.8)	80.7 (79.9-81.5)	91.8 (91.2-92.4)	89.0 (88.3-89.6)
Other causes	91.5 (91.0-91.9)	88.8 (88.4-89.3)	80.4 (79.9-80.9)	91.7 (91.3-92.1)	89.0 (88.6-89.4)
All	91.1 (90.7-91.4)	88.2 (87.9-88.5)	78.7 (78.3-79.1)	91.0 (90.8-91.3)	88.0 (87.7-88.3)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	92.0 (90.0-94.0)	89.5 (87.3-91.7)	82.6 (79.8-85.4)	92.3 (90.3-94.4)	89.7 (87.4-92.1)
20-44	94.1 (93.5-94.6)	92.2 (91.6-92.8)	85.6 (84.9-86.4)	94.3 (93.8-94.8)	92.4 (91.8-93.0)
45-64	91.7 (91.2-92.1)	88.9 (88.4-89.4)	80.2 (79.5-80.8)	92.0 (91.6-92.4)	89.3 (88.8-89.8)
65+	85.8 (84.9-86.8)	81.7 (80.7-82.8)	66.3 (65.0-67.6)	86.7 (85.9-87.4)	82.0 (81.1-82.8)
Men	92.1 (91.7-92.5)	89.4 (89.0-89.9)	80.5 (80.0-81.1)	92.6 (92.3-92.9)	89.9 (89.5-90.3)
Women	92.1 (91.6-92.6)	89.7 (89.2-90.3)	81.5 (80.8-82.2)	92.6 (92.1-93.0)	90.3 (89.8-90.8)
Diabetes	91.4 (90.6-92.2)	88.1 (87.2-89.0)	77.1 (75.9-78.3)	91.5 (90.8-92.2)	88.3 (87.5-89.1)
Hypertension / renal vascular disease	90.9 (90.0-91.8)	88.3 (87.3-89.4)	77.3 (75.9-78.7)	91.7 (90.9-92.4)	88.6 (87.8-89.5)
Glomerulonephritis	92.5 (91.8-93.1)	89.9 (89.2-90.7)	82.1 (81.1-83.0)	92.8 (92.2-93.4)	90.2 (89.6-90.9)
Other causes	92.2 (91.8-92.6)	89.7 (89.3-90.2)	81.8 (81.2-82.5)	92.8 (92.4-93.2)	90.4 (90.0-90.9)
All	92.1 (91.8-92.4)	89.6 (89.2-89.9)	80.9 (80.4-81.4)	92.6 (92.3-92.9)	90.0 (89.7-90.4)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	96.8 (94.8-98.0)	95.9 (93.8-97.3)	90.9 (88.1-93.0)	97.0 (95.2-98.2)	96.0 (94.0-97.4)
20-44	96.5 (95.9-97.0)	94.8 (94.1-95.4)	89.2 (88.3-90.1)	97.5 (97.0-97.9)	96.1 (95.5-96.6)
45-64	95.8 (95.2-96.3)	94.0 (93.2-94.6)	87.6 (86.6-88.4)	96.6 (96.0-97.0)	94.8 (94.2-95.3)
65+	93.2 (91.4-94.7)	89.8 (87.7-91.5)	76.2 (73.9-78.4)	95.4 (94.2-96.4)	92.0 (90.5-93.3)
Men	95.9 (95.4-96.3)	94.4 (93.8-94.9)	87.7 (86.9-88.4)	96.8 (96.4-97.2)	95.2 (94.7-95.7)
Women	96.0 (95.3-96.5)	93.6 (92.7-94.3)	87.0 (86.0-88.0)	96.8 (96.3-97.3)	94.8 (94.1-95.4)
Diabetes	94.4 (92.7-95.8)	91.7 (89.8-93.3)	79.5 (77.1-81.7)	94.9 (93.4-96.1)	92.4 (90.6-93.8)
Hypertension / renal vascular disease	94.7 (93.0-96.0)	91.9 (89.9-93.5)	83.0 (80.6-85.1)	96.3 (94.9-97.3)	93.8 (92.2-95.1)
Glomerulonephritis	95.7 (94.9-96.4)	94.0 (93.0-94.8)	87.5 (86.3-88.6)	96.8 (96.1-97.4)	95.2 (94.4-95.9)
Other causes	96.4 (95.8-96.8)	94.8 (94.2-95.3)	89.3 (88.5-90.0)	97.1 (96.7-97.5)	95.5 (95.0-96.0)
All	95.9 (95.5-96.3)	94.1 (93.6-94.5)	87.5 (86.9-88.0)	96.8 (96.5-97.1)	95.1 (94.7-95.4)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
0-19	96.3 (94.4-98.1)	95.5 (93.5-97.6)	90.0 (87.0-93.0)	96.6 (95.0-98.3)	95.5 (93.6-97.5)
20-44	96.3 (95.7-96.9)	94.7 (94.0-95.4)	88.9 (87.9-89.9)	97.4 (96.9-97.9)	96.0 (95.4-96.6)
45-64	95.8 (95.2-96.4)	94.0 (93.3-94.8)	87.5 (86.5-88.6)	96.6 (96.1-97.1)	94.8 (94.2-95.4)
65+	93.2 (91.5-95.0)	89.9 (87.8-92.0)	76.7 (73.8-79.8)	95.2 (93.9-96.4)	91.8 (90.2-93.5)
Men	95.7 (95.2-96.3)	94.2 (93.6-94.8)	87.2 (86.3-88.1)	96.7 (96.3-97.1)	95.1 (94.5-95.6)
Women	95.5 (94.7-96.2)	92.9 (91.9-93.8)	85.7 (84.4-86.9)	96.5 (95.9-97.1)	94.3 (93.6-95.1)
Diabetes	94.6 (93.0-96.2)	91.9 (90.1-93.9)	79.9 (77.2-82.8)	95.2 (93.9-96.6)	92.8 (91.2-94.5)
Hypertension / renal vascular disease	95.0 (93.5-96.5)	92.4 (90.5-94.2)	83.8 (81.3-86.4)	96.5 (95.4-97.7)	94.2 (92.8-95.7)
Glomerulonephritis	95.3 (94.4-96.2)	93.4 (92.4-94.5)	86.4 (85.0-87.9)	96.5 (95.8-97.3)	94.8 (93.9-95.7)
Other causes	96.1 (95.5-96.6)	94.4 (93.8-95.1)	88.5 (87.6-89.5)	97.0 (96.6-97.4)	95.3 (94.8-95.9)
All	95.6 (95.2-96.1)	93.7 (93.2-94.2)	86.7 (85.9-87.4)	96.6 (96.3-97.0)	94.8 (94.4-95.2)

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

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

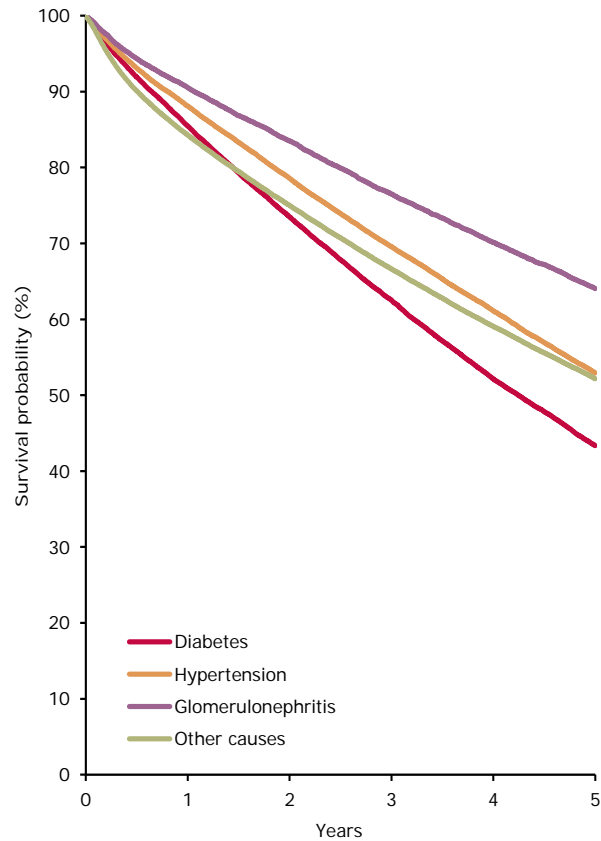


Figure B.6.2
Adjusted patient survival by modality: Incident dialysis patients
from day 91, adjusted for age, sex, and primary renal disease

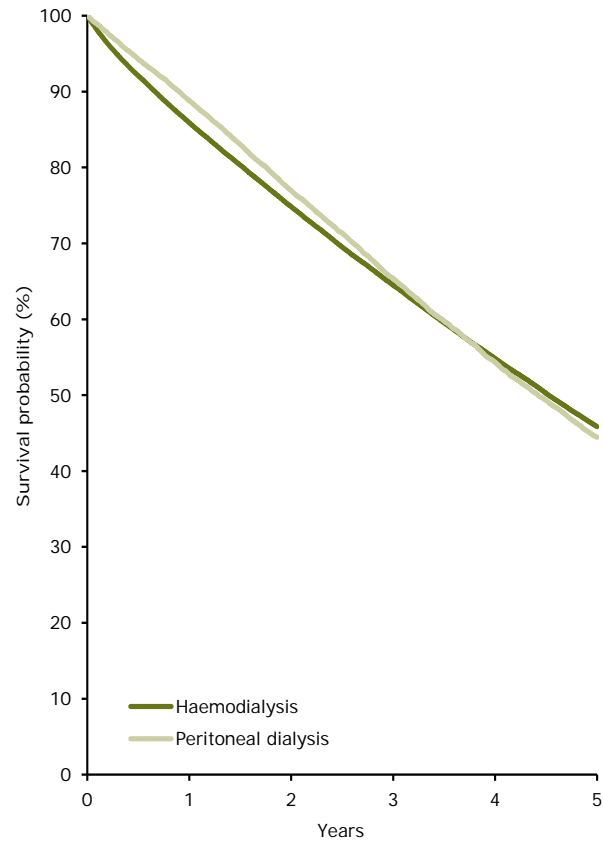
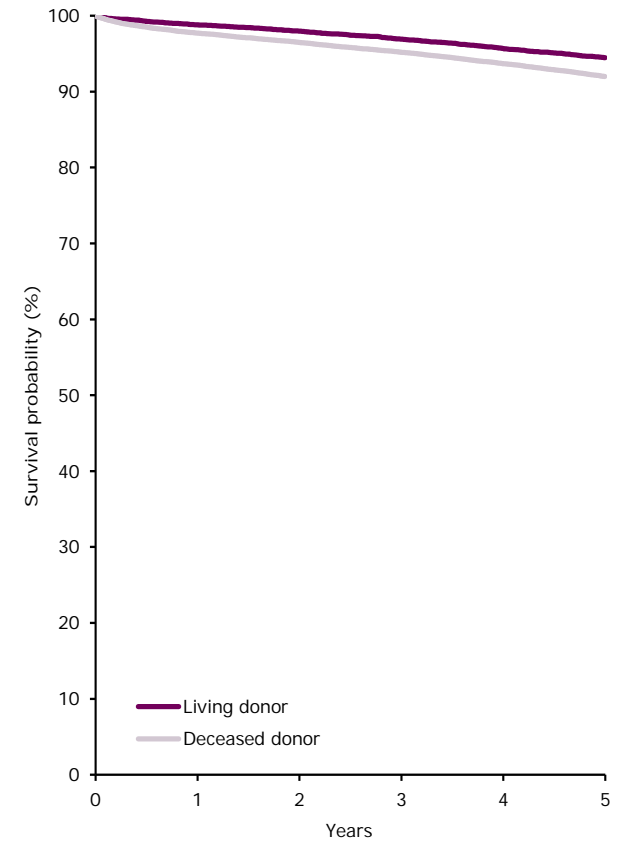


Figure B.6.3
Adjusted patient survival by donor type: Patients receiving a first kidney transplant
from day of transplant, adjusted for age, sex, and primary renal disease

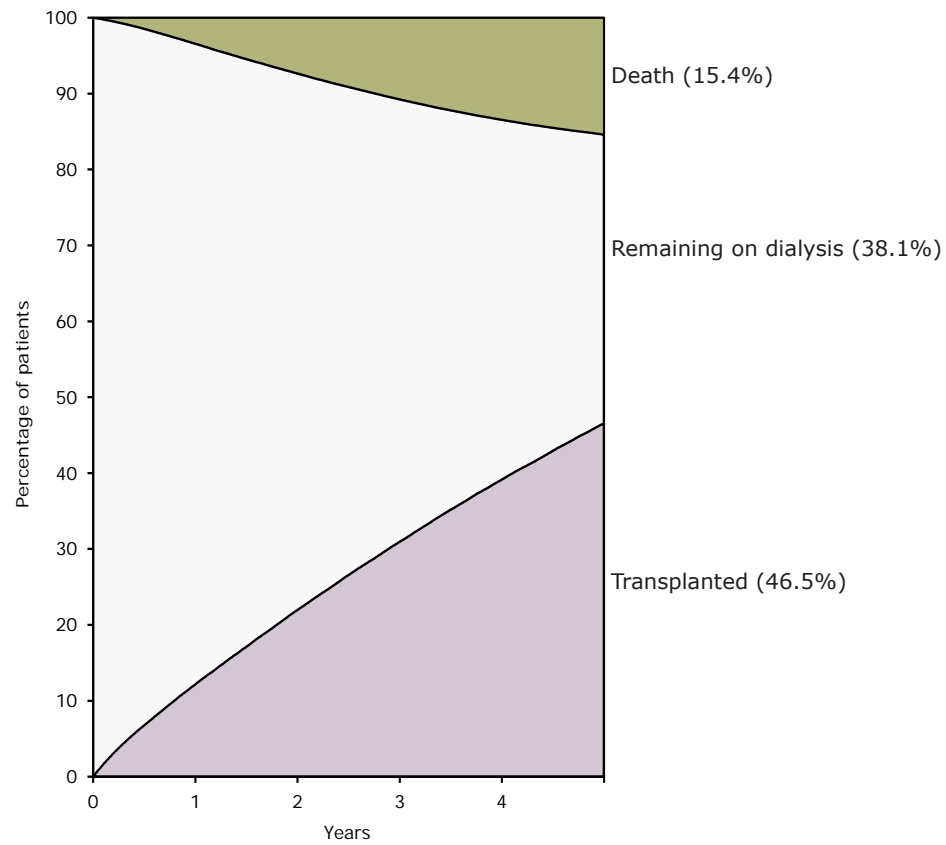


Survival on dialysis was examined using the Cox regression method, with transplantation as a censored observation (see methods)

Figure B.6.4

Adjusted cumulative incidence of death and receiving a kidney transplant: Incident dialysis patients

from day 1, adjusted for age, sex and primary renal disease



Survival on dialysis was examined using the Fine and Gray competing risk method, with transplantation as a competing event (see methods)

Table B.7.1

Expected remaining lifetimes (years) of the general population (cohort 2012-2016) and of prevalent dialysis and kidney transplant patients (cohort 2012-2016)

by age and sex

General population				ESRD: Dialysis				ESRD: Transplant			
Age	All	Men	Women	Age	All	Men	Women	Age	All	Men	Women
0	81.3	78.8	83.6	0-19	39.4	40.2	38.4	0-19	63.0	62.7	63.6
5	76.6	74.2	78.9								
10	71.6	69.2	74.0								
15	66.7	64.2	69.0								
20	61.7	59.3	64.1	20-24	21.8	22.5	20.9	20-24	43.8	43.2	44.7
25	56.8	54.5	59.1	25-29	19.1	19.5	18.5	25-29	39.3	38.8	40.2
30	52.0	49.6	54.2	30-34	16.3	16.4	16.2	30-34	34.9	34.4	35.8
35	47.1	44.8	49.3	35-39	14.0	14.0	13.9	35-39	30.7	30.3	31.5
40	42.3	40.0	44.4	40-44	12.0	11.9	12.1	40-44	26.7	26.2	27.6
45	37.5	35.3	39.6	45-49	10.2	10.0	10.6	45-49	23.0	22.5	23.8
50	32.9	30.7	34.9	50-54	8.6	8.4	8.9	50-54	19.2	18.7	20.1
55	28.4	26.3	30.3	55-59	7.2	7.1	7.5	55-59	15.9	15.5	16.7
60	24.1	22.2	25.8	60-64	6.2	6.0	6.5	60-64	12.9	12.5	13.5
65	19.9	18.2	21.4	65-69	5.4	5.3	5.6	65-69	10.2	9.9	10.7
70	16.0	14.5	17.2	70-74	4.7	4.6	4.9	70-74	7.8	7.6	8.1
75	12.3	11.1	13.3	75-79	4.0	3.9	4.1	75-79	5.6	5.6	5.7
80	9.0	8.0	9.6	80-84	3.3	3.3	3.4	80-84	3.5	3.5	3.5
85	6.2	5.5	6.5	85-89	2.2	2.1	2.2				

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England, Northern Ireland and Wales), United Kingdom (Scotland)

Table B.8.1
Distribution of sex by age in incident patients
unadjusted, at day 1

	All		0-19		20-44		45-64		65-74		75+	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
	%	%	%	%	%	%	%	%	%	%	%	%
Austria	64	36	72	28	62	38	65	35	67	33	62	38
Belgium, Dutch-speaking *	60	40			60	40	62	38	62	38	58	42
Belgium, French-speaking *	63	37			60	40	63	37	63	37	62	38
Bosnia and Herzegovina	60	40	63	37	63	37	62	38	56	44	56	44
Denmark	63	37	65	35	61	39	63	37	64	36	64	36
Estonia	57	43	50	50	53	47	61	39	58	42	50	50
Finland	64	36	58	42	65	35	62	38	65	35	65	35
France	61	39	59	41	61	39	61	39	63	37	60	40
Greece	65	35	62	38	65	35	67	33	66	34	62	38
Iceland	63	37	0	0	25	75	73	27	80	20	40	60
Norway	65	35	58	42	60	40	66	34	66	34	67	33
Romania	56	44	51	49	61	39	58	42	55	45	51	49
Serbia □	62	38	56	44	62	38	62	38	62	38	61	39
Spain, Andalusia	61	39	60	40	63	37	63	37	60	40	56	44
Spain, Aragon	65	35	36	64	59	41	66	34	70	30	62	38
Spain, Asturias	65	35	73	27	67	33	66	34	69	31	59	41
Spain, Basque country	64	36	54	46	63	37	63	37	65	35	67	33
Spain, Cantabria *	69	31			61	39	68	32	70	30	73	27
Spain, Castile and León *	67	33			62	38	65	35	70	30	68	32
Spain, Castile-La Mancha *	62	38			61	39	65	35	62	38	56	44
Spain, Catalonia	63	37	57	43	64	36	64	36	65	35	61	39
Spain, Extremadura	62	38	25	75	62	38	66	34	65	35	53	47
Spain, Galicia	64	36	56	44	61	39	65	35	67	33	62	38
Spain, Community of Madrid	63	37	56	44	58	42	64	36	65	35	64	36
Spain, Region of Murcia	64	36	78	22	64	36	62	38	69	31	61	39
Spain, Navarre *	65	35			64	36	64	36	67	33	67	33
Spain, Valencian region	63	37	73	27	62	38	63	37	66	34	61	39
Sweden	64	36	60	40	61	39	64	36	65	35	67	33
Switzerland	62	38	57	43	62	38	62	38	64	36	62	38
the Netherlands	64	36	57	43	64	36	61	39	64	36	66	34
United Kingdom, All countries * ¶	61	39			60	40	61	39	61	39	63	37
United Kingdom, England * ¶	63	37			60	40	62	38	64	36	66	34
United Kingdom, Northern Ireland *	60	40			55	45	64	36	61	39	58	42
United Kingdom, Scotland	60	40	69	31	55	45	62	38	57	43	65	35
United Kingdom, Wales *	61	39			62	38	57	43	58	42	68	32

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

* Patients younger than 20 years of age are not reported

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

Table B.8.2
Incidence of RRT per million population and percentages by primary renal disease, among men
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	189.3	100	23.2	12.2	5.1	2.7	5.9	3.1	5.9	3.1	45.6	24.1	51.5	27.2	20.6	10.9	22.0	11.6	44.5	23.5	16.6	8.8	0	0
Belgium, Dutch-speaking *	241.6	100	26.7	11.1	10.9	4.5	14.6	6.0	4.0	1.7	43.2	17.9	47.2	19.5	24.5	10.2	9.3	3.9	86.3	35.7	22.0	9.1	0	0
Belgium, French-speaking *	224.6	100	22.0	9.8	9.7	4.3	10.6	4.7	3.8	1.7	48.3	21.5	52.1	23.2	50.4	22.5	1.3	0.6	59.8	26.6	18.7	8.3	0	0
Bosnia and Herzegovina	140.9	100	13.3	9.4	9.8	7.0	4.0	2.9	16.7	11.9	33.5	23.8	50.2	35.7	17.9	12.7	0.6	0.4	26.6	18.9	18.5	13.1	0	0
Denmark	174.4	100	21.5	12.4	8.3	4.8	11.5	6.6	10.1	5.8	38.9	22.3	49.0	28.1	29.5	16.9	0	0	27.8	15.9	26.7	15.3	0	0
Estonia	124.8	100	13.0	10.4	4.9	3.9	13.0	10.4			25.9	20.8	47.0	37.7	0	0	0	0	19.4	15.6	1.6	1.3	0	0
Finland	137.1	100	17.4	12.7	8.5	6.2	10.3	7.5	25.5	18.6	24.4	17.8	49.9	36.4	11.1	8.1	0.4	0.3	23.3	17.0	16.3	11.9	0	0
France	219.2	100	27.8	12.7	10.5	4.8	10.3	4.7			50.0	22.8	58.2	26.5	1.9	0.9	29.5	13.5	31.1	14.2			0	0
Greece	338.5	100	26.6	7.9	14.4	4.2	13.4	4.0	4.8	1.4	83.5	24.7	88.3	26.1	35.4	10.5	3.8	1.1	40.4	11.9	116.2	34.3	0	0
Iceland	112.3	100	35.5	31.6	5.9	5.3	11.8	10.5	0	0	17.7	15.8	17.7	15.8	23.6	21.1	5.9	5.3	0	0	11.8	10.5	0	0
Norway	137.3	100	20.5	14.9	7.2	5.2	7.2	5.2			22.0	16.0	48.9	35.6	0.8	0.6	25.8	18.8	4.9	3.6			0	0
Romania	208.8	100	21.2	10.2	6.5	3.1	4.2	2.0			21.1	10.1	12.1	5.8	0.6	0.3	36.2	17.3	106.9	51.2			0	0
Serbia □	119.0	100	8.4	7.1	9.3	7.8	5.2	4.4			28.5	24.0	37.5	31.5	0.9	0.7	15.4	13.0	13.7	11.5			0	0
Spain, Andalusia	165.8	100	24.8	14.9	7.0	4.2	8.4	5.1			43.8	26.4	21.2	12.8	1.4	0.9	30.1	18.1	28.6	17.3	0.5	0.3		
Spain, Aragon	168.7	100	36.8	21.8	6.1	3.6	12.3	7.3	6.1	3.6	44.5	26.4	50.6	30.0	12.3	7.3	0	0	16.9	10.0	33.7	20.0	0	0
Spain, Asturias	279.1	100	52.2	18.7	10.0	3.6	16.1	5.8	4.0	1.4	62.3	22.3	66.3	23.7	62.3	22.3	6.0	2.2	34.1	12.2	26.1	9.4	6.0	2.2
Spain, Basque country	180.1	100	23.8	13.2	9.5	5.3	7.6	4.2	5.7	3.2	33.3	18.5	39.1	21.7	34.3	19.0	1.9	1.1	30.5	16.9	33.3	18.5	0	0
Spain, Cantabria *	151.3	100	42.2	27.9	10.6	7.0	3.5	2.3	0	0	31.7	20.9	31.7	20.9	17.6	11.6	14.1	9.3	17.6	11.6	7.0	4.7	7.0	4.7
Spain, Castile and León * ‡	171.3	100	20.7	12.1	5.8	3.4	5.0	2.9	5.0	2.9	48.8	28.5	53.8	31.4	36.4	21.3	0	0	14.9	8.7	34.7	20.3	0	0
Spain, Castile-La Mancha *	185.9	100	23.4	12.6	7.8	4.2	9.7	5.2			43.8	23.6	11.7	6.3	7.8	4.2	30.2	16.2	51.6	27.7			0	0
Spain, Catalonia	230.4	100	30.6	13.3	10.5	4.6	11.9	5.2	1.9	0.8	42.5	18.4	45.4	19.7	17.0	7.4	7.3	3.2	17.0	7.4	90.6	39.3	0	0
Spain, Extremadura	144.6	100	26.0	17.9	9.3	6.4	11.1	7.7			38.9	26.9	9.3	6.4	3.7	2.6	11.1	7.7	33.4	23.1	1.9	1.3		
Spain, Galicia	206.5	100	32.0	15.5	7.6	3.7	12.2	5.9	9.1	4.4	49.5	24.0	58.7	28.4	21.3	10.3	0	0	32.0	15.5	42.7	20.7	0	0
Spain, Community of Madrid	190.7	100	32.9	17.3	4.8	2.5	9.4	4.9	2.9	1.5	47.4	24.9	50.3	26.4	31.0	16.2	4.8	2.5	38.4	20.1	19.0	10.0	0	0
Spain, Region of Murcia	181.3	100	39.5	21.8	8.2	4.5	12.3	6.8			50.4	27.8	13.6	7.5	9.5	5.3	13.6	7.5	34.1	18.8			0	0
Spain, Navarre *	199.1	100	22.1	11.1	9.5	4.8	22.1	11.1	6.3	3.2	53.7	27.0	60.0	30.2	22.1	11.1	3.2	1.6	22.1	11.1	37.9	19.0	0	0
Spain, Valencian region	240.1	100	24.9	10.4	14.3	6.0	9.8	4.1			48.2	20.1	48.6	20.2	13.9	5.8	31.9	13.3	48.6	20.2			0	0
Sweden ‡	160.5	100	21.9	13.7	7.4	4.6	9.9	6.1			44.4	27.7	34.8	21.7	0.6	0.4	27.2	16.9	14.3	8.9			0	0
Switzerland	130.4	100	16.4	12.6	2.2	1.7	7.5	5.7	4.8	3.7	26.0	20.0	30.9	23.7	26.0	20.0	6.3	4.8	28.7	22.0	12.5	9.6	0	0
the Netherlands	149.5	100	16.3	10.9	5.3	3.5	7.9	5.3	4.2	2.8	24.2	16.2	28.4	19.0	17.9	12.0	17.9	12.0	26.9	18.0	17.0	11.4	12.0	8.0
United Kingdom, All countries * ¶ #	147.8	100	19.1	12.9	8.7	5.9	7.2	4.8			38.7	26.2	9.2	6.2	2.9	2.0	26.0	17.6	19.0	12.9	17.0	11.5		
United Kingdom, England * ¶ #	149.9	100	18.2	12.1	8.6	5.8	7.2	4.8			38.5	25.7	10.0	6.6	3.0	2.0	25.4	17.0	19.2	12.8	19.7	13.1		
United Kingdom, Northern Ireland * #	147.5	100	19.7	13.3	12.0	8.1	7.6	5.2			33.9	23.0					40.4	27.4	26.2	17.8				
United Kingdom, Scotland	130.5	100	27.4	21.0	8.0	6.1	7.2	5.5			40.0	30.6	5.7	4.4	2.3	1.7	25.1	19.2	14.5	11.1	0.4	0.3		
United Kingdom, Wales * #	146.7	100	22.8	15.6	9.1	6.2	5.9	4.0			41.7	28.4	5.9	4.0			32.6	22.2	20.2	13.8	6.5	4.4		

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

* Patients younger than 20 years of age are not reported

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

‡ Mapping the 2012 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

Values based on 1 to 5 patients are suppressed

Table B.8.3
Incidence of RRT per million population and percentages by primary renal disease, among women
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	78.1	100	6.5	8.4	2.9	3.8	6.3	8.1	2.9	3.8	16.3	20.8	19.2	24.6	7.9	10.1	9.9	12.7	17.4	22.3	7.9	10.1	0	0
Belgium, Dutch-speaking *	132.6	100	10.9	8.3	3.6	2.8	7.3	5.5	2.4	1.8	29.2	22.0	31.6	23.9	12.8	9.6	6.1	4.6	49.6	37.4	10.6	8.0	0	0
Belgium, French-speaking *	152.7	100	11.4	7.4	4.9	3.2	9.3	6.1	3.2	2.1	28.8	18.9	32.1	21.0	26.4	17.3	1.2	0.8	52.4	34.3	15.0	9.8	0	0
Bosnia and Herzegovina	85.1	100	10.0	11.8	9.5	11.1	3.9	4.6	8.9	10.5	15.6	18.3	24.5	28.8	9.5	11.1	1.1	1.3	18.3	21.6	8.3	9.8	0	0
Denmark	81.9	100	8.6	10.5	4.1	5.0	6.5	8.0	6.5	8.0	11.0	13.4	17.6	21.4	14.5	17.6	1.4	1.7	17.2	21.0	12.0	14.7	0	0
Estonia	50.1	100	7.2	14.3	2.9	5.7	5.7	11.4			4.3	8.6	14.3	28.6	0	0	15.7	31.4	0	0	0	0	0	0
Finland	67.8	100	9.7	14.3	5.0	7.4	12.2	18.0	7.9	11.6	11.5	16.9	19.4	28.6	3.6	5.3	0.7	1.1	11.5	16.9	5.7	8.5	0	0
France	114.1	100	13.0	11.4	5.9	5.2	8.1	7.1			27.5	24.1	23.5	20.6	1.2	1.0	17.7	15.5	17.2	15.1	0	0	0	0
Greece	168.2	100	9.9	5.9	7.9	4.7	6.8	4.1	2.3	1.4	42.5	25.3	44.8	26.7	17.5	10.4	1.8	1.1	22.1	13.2	57.3	34.0	0	0
Iceland	66.2	100	6.0	9.1	0	0	12.0	18.2	0	0	12.0	18.2	12.0	18.2	0	0	24.1	36.4	0	0	0	0	0	0
Norway	74.7	100	15.8	21.1	2.3	3.1	7.7	10.3			11.5	15.5	18.1	24.2	0.4	0.5	15.8	21.1	2.7	3.6	0.4	0.5	0	0
Romania	146.8	100	17.0	11.6	5.8	4.0	2.8	1.9			15.5	10.6	8.9	6.1	0.6	0.4	25.8	17.6	70.3	47.9	0	0	0	0
Serbia □	57.7	100	3.9	6.7	4.4	7.7	3.6	6.2			11.3	19.6	17.1	29.7	0.3	0.5	8.3	14.4	8.8	15.3	0	0	0	0
Spain, Andalusia	104.5	100	11.8	11.3	4.9	4.7	8.2	7.9			26.3	25.2	10.8	10.4	0.5	0.5	21.2	20.3	20.5	19.6	0.2	0.2	0	0
Spain, Aragon	82.7	100	7.5	9.1	3.0	3.6	3.0	3.6	3.0	3.6	6.0	7.3	9.0	10.9	12.0	14.5	0	0	24.0	29.1	24.0	29.1	0	0
Spain, Asturias	90.2	100	5.5	6.1	3.7	4.1	9.2	10.2	0	0	14.7	16.3	14.7	16.3	16.6	18.4	1.8	2.0	16.6	18.4	18.4	20.4	3.7	4.1
Spain, Basque country	85.1	100	11.6	13.7	2.7	3.2	11.6	13.7	0	0	14.3	16.8	14.3	16.8	9.9	11.6	0.9	1.1	17.0	20.0	17.0	20.0	0	0
Spain, Cantabria *	53.7	100	3.4	6.3	0	0	10.1	18.8	3.4	6.3	6.7	12.5	10.1	18.8	6.7	12.5	0	0	13.4	25.0	6.7	12.5	3.4	6.3
Spain, Castile and León * ‡	81.7	100	8.9	10.9	6.5	7.9	6.5	7.9	2.4	3.0	13.7	16.8	16.2	19.8	10.5	12.9	0	0	19.4	23.8	13.7	16.8	0	0
Spain, Castile-La Mancha *	94.4	100	9.8	10.4	4.9	5.2	7.9	8.3			21.6	22.9	3.9	4.2	1.0	1.0	20.6	21.9	24.6	26.0	0	0	0	0
Spain, Catalonia	106.7	100	13.3	12.5	4.7	4.4	8.6	8.1	1.6	1.5	22.0	20.6	24.3	22.8	7.1	6.6	1.8	1.7	11.5	10.8	35.3	33.1	0	0
Spain, Extremadura	76.6	100	7.3	9.5	3.6	4.8	3.6	4.8			23.7	31.0	9.1	11.9	5.5	7.1	9.1	11.9	14.6	19.0	0	0	0	0
Spain, Galicia	91.2	100	5.7	6.3	5.0	5.5	12.1	13.3	2.1	2.3	15.7	17.2	17.8	19.5	5.7	6.3	0	0	20.7	22.7	24.2	26.6	0	0
Spain, Community of Madrid	82.8	100	10.7	12.9	1.8	2.2	9.2	11.1	1.2	1.4	19.9	24.0	21.1	25.4	8.0	9.7	2.1	2.5	22.9	27.6	7.1	8.6	0	0
Spain, Region of Murcia	94.4	100	16.4	17.4	8.2	8.7	12.3	13.0			13.7	14.5	9.6	10.1	6.8	7.2	8.2	8.7	19.1	20.3	0	0	0	0
Spain, Navarre *	58.9	100	3.1	5.3	0	0	12.4	21.1	0	0	6.2	10.5	6.2	10.5	6.2	10.5	0	0	21.7	36.8	9.3	15.8	0	0
Spain, Valencian region	107.5	100	10.4	9.6	7.2	6.7	8.0	7.4			23.9	22.2	17.9	16.7	5.6	5.2	15.9	14.8	18.7	17.4	0	0	0	0
Sweden ‡	82.0	100	9.3	11.3	2.8	3.4	7.7	9.4			20.8	25.4	11.7	14.3	1.8	2.2	19.6	23.9	8.3	10.1	0	0	0	0
Switzerland	71.7	100	8.0	11.2	1.9	2.6	5.7	7.9	2.1	3.0	10.4	14.5	12.5	17.5	10.4	14.5	1.7	2.3	26.5	37.0	5.0	6.9	0	0
the Netherlands	84.2	100	5.7	6.8	3.2	3.7	5.5	6.5	1.9	2.3	14.8	17.6	16.7	19.9	10.0	11.8	9.3	11.1	16.7	19.9	8.7	10.4	8.4	9.9
United Kingdom, All countries * ¶ #	84.8	100	8.5	10.0	5.5	6.5	6.7	7.9			20.6	24.2	4.0	4.8	1.5	1.8	17.2	20.2	11.7	13.8	9.1	10.8	0	0
United Kingdom, England * ¶ #	84.5	100	8.2	9.7	5.3	6.3	6.5	7.7			20.2	24.0	4.4	5.2	1.7	2.0	16.2	19.2	11.8	14.0	10.1	12.0	0	0
United Kingdom, Northern Ireland * #	95.0	100	7.4	7.8	6.3	6.7					25.3	26.7			0	0	27.5	28.9	12.7	13.3	7.4	7.8	0	0
United Kingdom, Scotland	82.1	100	8.6	10.5	6.8	8.3	7.2	8.8			23.8	28.9	2.2	2.6	1.1	1.3	23.8	28.9	8.6	10.5	0	0	0	0
United Kingdom, Wales * #	91.8	100	15.2	16.6	5.7	6.2	10.1	11.0			17.7	19.3			0	0	19.0	20.7	13.9	15.2	8.9	9.7	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 or a limited number of cases (<10%) with diabetes mellitus type unknown; When cells are left empty, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

‡ Mapping the 2012 Primary Renal Disease (PRD) codes to the old PRD codes results in a different distribution of PRD groups

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

Values based on 1 to 5 patients are suppressed

Table B.8.4
Incidence of RRT per million population by treatment modality, among men
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	189.3	144.4	0	3.5	3.0	14.3	165.2	4.0	13.3	1.2	18.5	3.5	2.1	0	5.6	0	0
Belgium, Dutch-speaking *	241.6	156.8	0	0	0.6	55.9	213.4	11.5	12.4	0	23.9	2.2	2.2	0	4.3	0	0
Belgium, French-speaking *	224.6	149.2	1.3	0	3.0	44.9	198.4	4.2	17.0	0	21.2	1.3	3.8	0	5.1	0	0
Bosnia and Herzegovina	140.9	131.6	0	0	0	6.4	138.0	0	2.9	0	2.9	0	0	0	0	0	0
Denmark &	174.4	108.7	0.3	0			109.1	20.1	32.3	0	52.5	7.3	5.6	0	12.9	0	0
Estonia	124.8	106.9	0	0	0	0	106.9	11.3	6.5	0	17.8	0	0	0	0	0	0
Finland	137.1	93.8	4.4	0	0	0.7	99.0	14.4	22.9	0	37.3	0.7	0	0	0.7	0	0
France	219.2	150.7	0.1	0.2	0.4	37.1	188.4	5.5	16.2	0.1	21.9	3.5	4.8	0	8.3	0	0
Greece	338.5	311.9	0	0	0	3.3	315.2	7.1	15.3	0	22.4	1.0	0	0	1.0	0	0
Iceland	112.3	82.8	0	0			82.8	0	0	23.6	23.6	5.9	0	0	5.9	0	0
Norway	137.3	87.2	0	0			87.2			35.3	35.3	6.4	8.3	0	14.8	0	0
Romania	208.8	203.4	0	0	0	0.7	204.1	0.2	2.8	0	3.0	0.6	1.0	0	1.7	0	0
Serbia □	119.0	109.4	0	0	0.3	2.3	112.0	0.9	4.7	0	5.5	0.3	0.6	0	0.9	0	0.6
Spain, Andalusia	165.8	136.9	0	0			136.9			20.2	20.2	3.4	5.3	0	8.7	0	0
Spain, Aragon	168.7	113.5	0	0		12.3	125.8	0	32.2	0	32.2	9.2	1.5	0	10.7	0	0
Spain, Asturias	279.1	218.9	0	0	0	2.0	220.9	16.1	34.1	0	50.2	4.0	4.0	0	8.0	0	0
Spain, Basque country	180.1	125.8	1.0	0			126.7	3.8	41.9	0	45.7	5.7	1.9	0	7.6	0	0
Spain, Cantabria *	151.3	105.5	0	0			105.5	14.1	24.6	0	38.7	0	7.0	0	7.0	0	0
Spain, Castile and León *	171.3	141.5	0.8	0			142.3	7.4	20.7	0	28.1			0.8	0.8	0	0
Spain, Castile-La Mancha *	185.9	146.0	0	0			146.0	6.8	31.1	0	37.9	0	1.9	0	1.9	0	0
Spain, Catalonia	230.4	129.6	0.3	0		52.2	182.0	3.5	27.6	0	31.1	12.2	5.1	0	17.3	0	0
Spain, Extremadura	144.6	124.2	0	0			124.2	11.1	9.3	0	20.4	0	0	0	0	0	0
Spain, Galicia	206.5	157.0	1.5	0	0	0	158.5	7.6	29.7	0	37.3	9.1	1.5	0	10.7	0	0
Spain, Community of Madrid	190.7	153.9	0	0			153.9	5.2	25.2	0	30.3	2.6	3.9	0	6.5	0	0
Spain, Region of Murcia	181.3	150.0	0	0	0	1.4	151.3	2.7	21.8	0	24.5	5.5	0	0	5.5	0	0
Spain, Navarre *	199.1	145.4	3.2	0			148.5	37.9	3.2	0	41.1	3.2	6.3	0	9.5	0	0
Spain, Valencian region	240.1	194.8	1.2	0			196.0	2.5	37.6	0	40.0	1.2	2.9	0	4.1	0	0
Sweden	160.5	94.5	1.0	0			95.5			55.5	55.5	4.8	4.6	0	9.5	0	0
Switzerland	130.4	101.0	0.7	4.6	0	0	106.3	3.9	13.5	0.5	17.8	5.8	0.5	0	6.3	0	0
the Netherlands	149.5	104.3	0.2	0			104.6	4.9	19.6	0	24.5	18.1	2.2	0	20.3	0	0
United Kingdom, All countries * ¶ #	147.8	94.9	0.4		0.4	12.4	108.1	12.7	16.1	0.5	29.3	4.4	5.6	0.4	10.4	0	0
United Kingdom, England * ¶ #	149.9	93.0	0.4		0.4	14.5	108.4	13.0	17.1	0.6	30.7	4.2	6.1	0.5	10.8	0	0
United Kingdom, Northern Ireland * #	147.5	116.9		0	0	0	118.0	17.5		0	18.6	9.8		0	10.9	0	0
United Kingdom, Scotland	130.5	101.2	0	0			101.2	11.4	9.1	0	20.6	5.7	3.0	0	8.8	0	0
United Kingdom, Wales * #	146.7	106.9		0	0	3.9	111.5	9.8	18.9	0	28.7	3.9		0	6.5	0	0

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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

Values based on 1 to 5 patients are suppressed

Table B.8.5
Incidence of RRT per million population by treatment modality, among women
unadjusted, at day 1

	All																Unkn	Missing
	Haemodialysis							Peritoneal dialysis				Preemptive 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			
Austria	78.1	61.9	0	1.4	0.5	5.0	68.7	1.6	6.1	0.5	8.1	1.1	0.2	0	1.4	0	0	
Belgium, Dutch-speaking *	132.6	89.1	0.3	0	0	28.9	118.3	6.4	5.8	0	12.2	0.3	1.8	0	2.1	0	0	
Belgium, French-speaking *	152.7	93.0	2.4	0	1.6	32.9	129.9	4.9	11.0	0	15.8	4.5	2.4	0	6.9	0	0	
Bosnia and Herzegovina	85.1	78.9	0	0	0	2.8	81.7	0	2.8	0	2.8	0.6	0	0	0.6	0	0	
Denmark &	81.9	47.2	0	0			47.2	11.7	14.5	0	26.2	4.1	4.5	0	8.6	0	0	
Estonia	50.1	38.6	0	0	0	0	38.6	10.0	1.4	0	11.5	0	0	0	0	0	0	
Finland	67.8	42.7	2.2	0	0	0	44.8	5.4	17.6	0	23.0	0	0	0	0	0	0	
France	114.1	77.2	0	0	0.1	18.7	96.1	2.6	10.3	0	12.9	1.7	3.2	0	5.0	0	0	
Greece	168.2	157.2	0	0	0	1.3	158.5	2.9	6.7	0	9.5	0.2	0	0	0.2	0	0	
Iceland	66.2	54.1	0	0			54.1	0	0	6.0	6.0	6.0	0	0	6.0	0	0	
Norway	74.7	43.1	0	0			43.1			21.6	21.6	2.7	7.3	0	10.0	0	0	
Romania	146.8	144.0	0	0	0	0.3	144.3	0	1.7	0	1.7	0.2	0.6	0	0.8	0	0	
Serbia □	57.7	51.9	0	0.3	0	0.3	52.5	0.3	4.1	0	4.4	0.3	0.3	0	0.6	0	0.3	
Spain, Andalusia	104.5	84.7	0.2	0			84.9			15.3	15.3	2.4	1.9	0	4.2	0	0	
Spain, Aragon	82.7	58.6	0	0		7.5	66.1	0	10.5	0	10.5	1.5	4.5	0	6.0	0	0	
Spain, Asturias	90.2	68.1	0	0	0	0	68.1	0	14.7	0	14.7	3.7	3.7	0	7.4	0	0	
Spain, Basque country	85.1	57.3	0	0			57.3	1.8	18.8	0	20.6	4.5	2.7	0	7.2	0	0	
Spain, Cantabria *	53.7	43.7	0	0			43.7	3.4	0	0	3.4	0	6.7	0	6.7	0	0	
Spain, Castile and León *	81.7	62.3	0	0			62.3	9.7	8.9	0	18.6			0.8	0.8	0	0	
Spain, Castile-La Mancha *	94.4	77.7	0	0			77.7	2.9	11.8	0	14.7	1.0	1.0	0	2.0	0	0	
Spain, Catalonia	106.7	59.6	0	0		19.1	78.7	2.6	17.0	0	19.6	7.1	1.3	0	8.4	0	0	
Spain, Extremadura	76.6	69.3	0	0			69.3	5.5	1.8	0	7.3	0	0	0	0	0	0	
Spain, Galicia	91.2	62.0	0.7	0	0	0	62.7	2.1	20.7	0	22.8	3.6	2.1	0	5.7	0	0	
Spain, Community of Madrid	82.8	65.6	0	0			65.6	3.0	10.4	0	13.4	1.2	2.7	0	3.9	0	0	
Spain, Region of Murcia	94.4	82.0	0	0	0	0	82.0	0	8.2	0	8.2	1.4	2.7	0	4.1	0	0	
Spain, Navarre *	58.9	40.3	0	0			40.3	9.3	3.1	0	12.4	0	6.2	0	6.2	0	0	
Spain, Valencian region	107.5	79.6	0	0			79.6	2.4	23.5	0	25.9	1.6	0.4	0	2.0	0	0	
Sweden	82.0	52.5	1.0	0			53.5			24.2	24.2	2.2	2.0	0	4.2	0	0	
Switzerland	71.7	54.9	0.2	2.1	0	0	57.3	1.4	5.0	0.2	6.6	4.7	2.8	0	7.6	0.2	0	
the Netherlands	84.2	59.9	0	0			59.9	1.8	9.2	0	11.0	11.2	2.1	0	13.2	0	0	
United Kingdom, All countries * ¶ #	84.8	52.9	0.2	0		7.0	60.2	8.3	9.3	0.3	17.8	3.6	2.9	0.2	6.8	0	0	
United Kingdom, England * ¶ #	84.5	51.4	0.2	0		8.0	59.8	7.9	9.5	0.3	17.7	3.6	3.1	0.3	6.9	0	0	
United Kingdom, Northern Ireland * #	95.0	58.1	0	0	0		59.1	19.0		0	20.1	12.7		0	15.8	0	0	
United Kingdom, Scotland	82.1	60.5	0	0			60.5	9.7	7.9	0	17.6	1.8	2.2	0	4.0	0	0	
United Kingdom, Wales * #	91.8	65.9		0	0	3.8	70.3	7.0	11.4	0	18.4			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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

¶ The incidence is underestimated by approximately 2% due to a small number of centres not submitting complete data for 2016

Values based on 1 to 5 patients are suppressed

Table B.8.6
Treatment modality distribution in incident patients, among men
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	76.3	0	1.9	1.6	7.5	87.3	2.1	7.0	0.6	9.8	1.9	1.1	0	3.0	0	0
Belgium, Dutch-speaking *	100	64.9	0	0	0.3	23.1	88.3	4.8	5.1	0	9.9	0.9	0.9	0	1.8	0	0
Belgium, French-speaking *	100	66.4	0.6	0	1.3	20.0	88.3	1.9	7.5	0	9.4	0.6	1.7	0	2.3	0	0
Bosnia and Herzegovina	100	93.4	0	0	0	4.5	98.0	0	2.0	0	2.0	0	0	0	0	0	0
Denmark &	100	62.4	0.2	0			62.5	11.6	18.5	0	30.1	4.2	3.2	0	7.4	0	0
Estonia	100	85.7	0	0	0	0	85.7	9.1	5.2	0	14.3	0	0	0	0	0	0
Finland	100	68.5	3.2	0	0	0.5	72.2	10.5	16.7	0	27.2	0.5	0	0	0.5	0	0
France	100	68.9	0	0.1	0.2	17.0	86.2	2.5	7.4	0	10.0	1.6	2.2	0	3.8	0	0
Greece	100	92.1	0	0	0	1.0	93.1	2.1	4.5	0	6.6	0.3	0	0	0.3	0	0
Iceland	100	73.7	0	0			73.7	0	0	21.1	21.1	5.3	0	0	5.3	0	0
Norway	100	63.5	0	0			63.5			25.7	25.7	4.7	6.1	0	10.8	0	0
Romania	100	97.4	0	0	0	0.4	97.7	0.1	1.4	0	1.5	0.3	0.5	0	0.8	0	0
Serbia □	100	91.9	0	0	0.2	2.0	94.1	0.7	3.9	0	4.6	0.2	0.5	0	0.7	0	0.5
Spain, Andalusia	100	82.6	0	0			82.6			12.2	12.2	2.0	3.2	0	5.2	0	0
Spain, Aragon	100	67.3	0	0		7.3	74.5	0	19.1	0	19.1	5.5	0.9	0	6.4	0	0
Spain, Asturias	100	78.4	0	0	0	0.7	79.1	5.8	12.2	0	18.0	1.4	1.4	0	2.9	0	0
Spain, Basque country	100	69.8	0.5	0			70.4	2.1	23.3	0	25.4	3.2	1.1	0	4.2	0	0
Spain, Cantabria *	100	69.8	0	0			69.8	9.3	16.3	0	25.6	0	4.7	0	4.7	0	0
Spain, Castile and León *	100	82.6	0.5	0			83.1	4.3	12.1	0	16.4			0.5	0.5	0	0
Spain, Castile-La Mancha *	100	78.5	0	0			78.5	3.7	16.8	0	20.4	0	1.0	0	1.0	0	0
Spain, Catalonia	100	56.2	0.1	0		22.7	79.0	1.5	12.0	0	13.5	5.3	2.2	0	7.5	0	0
Spain, Extremadura	100	85.9	0	0			85.9	7.7	6.4	0	14.1	0	0	0	0	0	0
Spain, Galicia	100	76.0	0.7	0	0	0	76.8	3.7	14.4	0	18.1	4.4	0.7	0	5.2	0	0
Spain, Community of Madrid	100	80.7	0	0			80.7	2.7	13.2	0	15.9	1.4	2.0	0	3.4	0	0
Spain, Region of Murcia	100	82.7	0	0	0	0.8	83.5	1.5	12.0	0	13.5	3.0	0	0	3.0	0	0
Spain, Navarre *	100	73.0	1.6	0			74.6	19.0	1.6	0	20.6	1.6	3.2	0	4.8	0	0
Spain, Valencian region	100	81.1	0.5	0			81.6	1.0	15.6	0	16.7	0.5	1.2	0	1.7	0	0
Sweden	100	58.9	0.6	0			59.5			34.6	34.6	3.0	2.9	0	5.9	0	0
Switzerland	100	77.4	0.6	3.5	0	0	81.5	3.0	10.4	0.4	13.7	4.4	0.4	0	4.8	0	0
the Netherlands	100	69.8	0.2	0			70.0	3.3	13.1	0	16.4	12.1	1.5	0	13.6	0	0
United Kingdom, All countries * #	100	64.2	0.3		0.3	8.4	73.1	8.6	10.9	0.3	19.8	3.0	3.8	0.3	7.0	0	0
United Kingdom, England * #	100	62.0	0.2		0.3	9.7	72.3	8.7	11.4	0.4	20.5	2.8	4.1	0.3	7.2	0	0
United Kingdom, Northern Ireland * #	100	79.3		0	0	0	80.0	11.9		0	12.6	6.7		0	7.4	0	0
United Kingdom, Scotland	100	77.6	0	0			77.6	8.7	7.0	0	15.7	4.4	2.3	0	6.7	0	0
United Kingdom, Wales * #	100	72.9		0	0	2.7	76.0	6.7	12.9	0	19.6	2.7		0	4.4	0	0

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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

Values based on 1 to 5 patients are suppressed

Table B.8.7
Treatment modality distribution in incident patients, among women
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	79.2	0	1.7	0.6	6.4	87.9	2.0	7.8	0.6	10.4	1.4	0.3	0	1.7	0	0
Belgium, Dutch-speaking *	100	67.2	0.2	0	0	21.8	89.2	4.8	4.4	0	9.2	0.2	1.4	0	1.6	0	0
Belgium, French-speaking *	100	60.9	1.6	0	1.1	21.5	85.1	3.2	7.2	0	10.4	2.9	1.6	0	4.5	0	0
Bosnia and Herzegovina	100	92.8	0	0	0	3.3	96.1	0	3.3	0	3.3	0.7	0	0	0.7	0	0
Denmark &	100	57.6	0	0			57.6	14.3	17.6	0	31.9	5.0	5.5	0	10.5	0	0
Estonia	100	77.1	0	0	0	0	77.1	20.0	2.9	0	22.9	0	0	0	0	0	0
Finland	100	63.0	3.2	0	0	0	66.1	7.9	25.9	0	33.9	0	0	0	0	0	0
France	100	67.8	0	0	0.1	16.4	84.3	2.3	9.0	0	11.3	1.5	2.8	0	4.4	0	0
Greece	100	93.5	0	0	0	0.7	94.2	1.7	4.0	0	5.7	0.1	0	0	0.1	0	0
Iceland	100	81.8	0	0			81.8	0	0	9.1	9.1	9.1	0	0	9.1	0	0
Norway	100	57.7	0	0			57.7			28.9	28.9	3.6	9.8	0	13.4	0	0
Romania	100	98.1	0	0	0	0.2	98.3	0	1.2	0	1.2	0.1	0.4	0	0.5	0	0
Serbia □	100	90.0	0	0.5	0	0.5	90.9	0.5	7.2	0	7.7	0.5	0.5	0	1.0	0	0.5
Spain, Andalusia	100	81.1	0.2	0			81.3			14.6	14.6	2.3	1.8	0	4.1	0	0
Spain, Aragon	100	70.9	0	0		9.1	80.0	0	12.7	0	12.7	1.8	5.5	0	7.3	0	0
Spain, Asturias	100	75.5	0	0	0	0	75.5	0	16.3	0	16.3	4.1	4.1	0	8.2	0	0
Spain, Basque country	100	67.4	0	0			67.4	2.1	22.1	0	24.2	5.3	3.2	0	8.4	0	0
Spain, Cantabria *	100	81.3	0	0			81.3	6.3	0	0	6.3	0	12.5	0	12.5	0	0
Spain, Castile and León *	100	76.2	0	0			76.2	11.9	10.9	0	22.8			1.0	1.0	0	0
Spain, Castile-La Mancha *	100	82.3	0	0			82.3	3.1	12.5	0	15.6	1.0	1.0	0	2.1	0	0
Spain, Catalonia	100	55.9	0	0		17.9	73.8	2.5	15.9	0	18.4	6.6	1.2	0	7.8	0	0
Spain, Extremadura	100	90.5	0	0			90.5	7.1	2.4	0	9.5	0	0	0	0	0	0
Spain, Galicia	100	68.0	0.8	0	0	0	68.8	2.3	22.7	0	25.0	3.9	2.3	0	6.3	0	0
Spain, Community of Madrid	100	79.2	0	0			79.2	3.6	12.5	0	16.1	1.4	3.2	0	4.7	0	0
Spain, Region of Murcia	100	87.0	0	0	0	0	87.0	0	8.7	0	8.7	1.4	2.9	0	4.3	0	0
Spain, Navarre *	100	68.4	0	0			68.4	15.8	5.3	0	21.1	0	10.5	0	10.5	0	0
Spain, Valencian region	100	74.1	0	0			74.1	2.2	21.9	0	24.1	1.5	0.4	0	1.9	0	0
Sweden	100	64.0	1.2	0			65.3			29.6	29.6	2.7	2.5	0	5.2	0	0
Switzerland	100	76.6	0.3	3.0	0	0	79.9	2.0	6.9	0.3	9.2	6.6	4.0	0	10.6	0.3	0
the Netherlands	100	71.2	0	0			71.2	2.2	11.0	0	13.1	13.3	2.4	0	15.7	0	0
United Kingdom, All countries * #	100	62.4	0.2	0		8.2	71.0	9.8	10.9	0.3	21.0	4.3	3.4	0.3	8.0	0	0
United Kingdom, England * #	100	60.8	0.3	0		9.5	70.8	9.3	11.3	0.4	21.0	4.2	3.6	0.3	8.2	0	0
United Kingdom, Northern Ireland * #	100	61.1	0	0	0		62.2	20.0		0	21.1	13.3		0	16.7	0	0
United Kingdom, Scotland	100	73.7	0	0			73.7	11.8	9.6	0	21.5	2.2	2.6	0	4.8	0	0
United Kingdom, Wales * #	100	71.7		0	0	4.1	76.6	7.6	12.4	0	20.0			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, (complete) data are unavailable

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

□ The incidence is underestimated by approximately 29% due to centers not submitting complete data for 2016

Values based on 1 to 5 patients are suppressed

Table B.8.8
Distribution of sex by age in prevalent patients
unadjusted, prevalent patients on December 31

	All		0-19		20-44		45-64		65-74		75+	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
	%	%	%	%	%	%	%	%	%	%	%	%
Austria	64	36	72	28	62	38	65	35	67	33	62	38
Belgium, Dutch-speaking *	60	40			60	40	62	38	62	38	58	42
Belgium, French-speaking *	63	37			60	40	63	37	63	37	62	38
Bosnia and Herzegovina	60	40	63	37	63	37	62	38	56	44	56	44
Denmark	63	37	65	35	61	39	63	37	64	36	64	36
Estonia	57	43	50	50	53	47	61	39	58	42	50	50
Finland	64	36	58	42	65	35	62	38	65	35	65	35
France	61	39	59	41	61	39	61	39	63	37	60	40
Greece	65	35	62	38	65	35	67	33	66	34	62	38
Iceland	62	38	60	40	55	45	64	36	62	38	71	29
Norway	65	35	58	42	60	40	66	34	66	34	67	33
Romania //	56	44	51	49	61	39	58	42	55	45	51	49
Serbia □	62	38	56	44	62	38	62	38	62	38	61	39
Spain, Andalusia	61	39	60	40	63	37	63	37	60	40	56	44
Spain, Aragon	65	35	36	64	59	41	66	34	70	30	62	38
Spain, Asturias	65	35	73	27	67	33	66	34	69	31	59	41
Spain, Basque country	64	36	54	46	63	37	63	37	65	35	67	33
Spain, Cantabria *	69	31			61	39	68	32	70	30	73	27
Spain, Castile and León *	67	33			67	33	66	34	68	32	66	34
Spain, Castile-La Mancha *	62	38			61	39	65	35	62	38	56	44
Spain, Catalonia	63	37	57	43	64	36	64	36	65	35	61	39
Spain, Extremadura	62	38	25	75	62	38	66	34	65	35	53	47
Spain, Galicia	64	36	56	44	61	39	65	35	67	33	62	38
Spain, Community of Madrid	63	37	56	44	58	42	64	36	65	35	64	36
Spain, Region of Murcia	64	36	78	22	64	36	62	38	69	31	61	39
Spain, Navarre *	65	35			64	36	64	36	67	33	67	33
Spain, Valencian region	63	37	73	27	62	38	63	37	66	34	61	39
Sweden	64	36	60	40	61	39	64	36	65	35	67	33
Switzerland †	62	38	57	43	62	38	62	38	64	36	62	38
the Netherlands	60	40	61	39	60	40	60	40	61	39	60	40
United Kingdom, All countries * ¶	61	39			60	40	61	39	61	39	63	37
United Kingdom, England * ¶¶	61	39			60	40	61	39	61	39	63	37
United Kingdom, Northern Ireland *	60	40			56	44	61	39	59	41	64	36
United Kingdom, Scotland	59	41	71	29	58	42	58	42	60	40	59	41
United Kingdom, Wales *	63	37			60	40	64	36	63	37	66	34

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

* Patients younger than 20 years of age are not reported

// The prevalence is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

□ The prevalence is underestimated by approximately 29% due to centers not submitting complete data for 2016

† The prevalence is underestimated by approximately 6% due to an estimated 11% underreporting of patients living on a functioning graft

¶ The prevalence is underestimated by approximately 1% due to a small number of centres not submitting complete data for 2016

Table B.8.11
Prevalence of RRT per million population by treatment modality, among men
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	1418.1	456.9	0	0	0.7	172.3	629.8	30.0	27.9	1.6	59.4	121.0	606.2	1.4	728.6	0.2	0
Belgium, Dutch-speaking *	1550.6	469.6	10.6	0	0.9	323.0	804.0	50.3	19.3	0	69.6	43.8	631.7	1.6	677.0	0	0
Belgium, French-speaking *	1674.7	585.8	18.2	0	9.3	295.4	908.8	28.8	42.0	0	70.8	58.9	568.4	63.6	690.9	4.2	0
Bosnia and Herzegovina	921.3	669.1	0	0	0	102.2	771.2	1.7	23.7	0.6	26.0	80.8	42.7	0.6	124.1	0	0
Denmark &	1189.1	428.3	35.1	0		463.4	63.2	59.1	4.2	126.4	256.7	342.2	0	598.9	0.3	0	
Estonia	849.1	301.4	0	0	0	6.5	307.9	27.5	14.6	0	42.1	8.1	491.0	0	499.1	0	0
Finland	1143.0	206.1	35.8	0	0	147.0	389.0	52.5	32.9	0	85.3	55.8	610.7	2.2	668.7	0	0
France	1617.0	553.1	8.0	1.4	1.7	260.8	825.1	22.3	31.6	0.1	54.0	80.5	610.7	39.0	730.2	7.7	0
Greece	1721.3	893.8	0	0	0	430.8	1324.6	54.2	28.1	0	82.3	135.4	179.0	0	314.4	0	0
Iceland	815.8	206.9	0	0		206.9	0	0	53.2	53.2	402.0	153.7	0	555.7	0	0	
Norway	1225.5	298.9	4.6	0		303.4			61.4	61.4	328.9	530.3	1.5	860.7	0	0	
Romania //	1210.2	1010.2	0.2	0.1	0.4	7.0	1018.0	5.7	66.8	0.2	72.7	24.6	47.6	46.4	118.6	0.9	0
Serbia □	691.2	459.0	3.2	2.0	0.6	114.9	579.8	2.9	34.9	0.6	38.4	41.9	22.1	0.9	64.9	3.2	4.9
Spain, Andalusia	1472.4	596.1	2.4	0		598.5			52.2	52.2	66.4	755.4	0	821.8	0	0	
Spain, Aragon	1580.1	362.0	1.5	0		105.8	469.4	12.3	72.1	0	84.4	93.6	911.2	0	1004.8	21.5	0
Spain, Asturias	1737.1	664.7	6.0	0	0	6.0	676.8	82.3	106.4	0	188.8	50.2	821.4	0	871.6	0	0
Spain, Basque country	1655.8	509.7	1.9	0		511.6	13.3	101.0	0	114.3	86.7	940.3	0	1027.0	2.9	0	
Spain, Cantabria *	1656.9	471.4	0	0		471.4	17.6	84.4	0	102.0	56.3	1023.7	0	1080.0	3.5	0	
Spain, Castile and León *	1575.2	636.2	3.3	0		639.5	33.1	59.6	0	92.7		843.0	843.0	0	0	0	
Spain, Castile-La Mancha *	1421.6	543.0	1.9	0		544.9	21.4	55.5	0	76.9	19.5	778.4	0	797.9	1.9	0	
Spain, Catalonia	1797.8	214.5	0.8	0		518.2	733.5	36.5	37.9	0	74.4	195.3	794.6	0	989.9	0	0
Spain, Extremadura	1457.6	652.8	14.8	0		667.6	38.9	37.1	0	76.0	24.1	350.5	339.4	714.0	0	0	
Spain, Galicia	1772.8	790.4	6.9	0	0	3.8	801.0	47.3	80.0	0	127.3	93.0	727.9	23.6	844.5	0	0
Spain, Community of Madrid	1519.7	615.8	0	0		615.8	23.9	61.0	0.6	85.5	50.7	766.8	0	817.5	1.0	0	
Spain, Region of Murcia	1693.1	336.7	0	0	0	519.4	856.1	21.8	62.7	0	84.5	57.3	695.2	0	752.5	0	0
Spain, Navarre *	1728.5	625.7	25.3	0		650.9	60.0	6.3	0	66.4	72.7	938.5	0	1011.2	0	0	
Spain, Valencian region	1777.6	925.4	6.5	0		931.9	12.3	107.8	0	120.1	24.9	537.4	161.3	723.6	2.0	0	
Sweden	1255.6	396.6	18.1	0		414.7			116.9	116.9	310.3	413.5	0	723.8	0.2	0	
Switzerland †	1129.4	495.7	8.0	0	11.3	0	515.0	23.1	28.0	0	51.1	229.5	333.5	0.2	563.2	0	0
the Netherlands	1273.1	379.1	22.7	0		401.8	39.6	27.4	0	67.0	405.5	398.4	0.5	804.4	0	0	
United Kingdom, All countries * ¶ § #	1175.3	383.6	24.1	0.4	0.6	68.1	476.8	38.0	27.7	1.1	66.9	194.9	417.8	18.8	631.5	0	0
United Kingdom, England * ¶ #	1177.0	378.5	24.6	0.3	0.6	79.2	483.2	38.1	29.9	1.3	69.2	193.9	410.2	20.4	624.5	0	0
United Kingdom, Northern Ireland * #	1173.5	395.5	14.2		0	13.1	428.3	42.6	0	43.7	276.4	383.5	41.5	701.5	0	0	
United Kingdom, Scotland	1127.3	416.0	13.3	0		429.3	35.0	10.3	0	45.3	186.9	463.2	2.3	652.3	0.4	0	
United Kingdom, Wales * #	1264.0	415.2	39.8	0		20.9	477.2	45.0	35.9		81.5	191.0	509.8	4.6	705.3	0	0

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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

// The overall prevalence of RRT is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

□ The prevalence is underestimated by approximately 29% due to centers not submitting complete data for 2016

† The prevalence is underestimated by approximately 6% due to an estimated 11% underreporting of patients living on a functioning graft

¶ The prevalence is underestimated by approximately 1% due to a small number of centres not submitting complete data for 2016

§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

Values based on 1 to 5 patients are suppressed

Table B.8.12
Prevalence of RRT per million population by treatment modality, among women
unadjusted, prevalent patients on December 31

	All																Unkn	Missing
	Haemodialysis							Peritoneal dialysis				Kidney transplant						
	HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx				
Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp			
Austria	753.9	246.6	0.7	0	0	75.0	322.3	15.4	14.9	0	30.3	60.3	340.6	0.5	401.3	0	0	
Belgium, Dutch-speaking *	992.4	316.2	6.1	0	0.3	199.1	521.7	25.8	10.6	0	36.5	27.4	406.2	0.6	434.2	0	0	
Belgium, French-speaking *	960.6	354.4	10.6	0	4.1	149.4	518.4	21.9	22.3	0	44.3	33.7	319.9	43.0	396.6	1.2	0	
Bosnia and Herzegovina	602.0	473.6	0	0	0	49.5	523.1	0	24.5	0.6	25.0	36.7	15.0	2.2	53.9	0	0	
Denmark &	691.8	232.7	20.3	0			253.0	35.5	31.0	1.7	68.1	135.6	234.7	0	370.3	0.3	0	
Estonia	565.4	209.0	0	0	1.4	8.6	219.0	35.8	5.7	0	41.5	7.2	297.7	0	304.9	0	0	
Finland	633.7	105.4	14.7	0	0	59.2	179.3	26.9	21.2	0	48.1	29.0	375.5	1.8	406.3	0	0	
France	960.5	329.9	2.9	0.8	1.2	157.2	492.1	13.6	23.6	0	37.2	42.7	359.1	24.9	426.7	4.5	0	
Greece	873.5	508.0	0	0	0	146.4	654.4	35.5	17.6	0	53.1	61.0	105.0	0	166.0	0	0	
Iceland	517.2	114.3	0	0			114.3	0	0	24.1	24.1	216.5	162.4	0	378.9	0	0	
Norway	670.9	158.2	1.9	0.4			160.5			38.1	38.1	190.1	281.4	0.8	472.3	0	0	
Romania //	893.4	759.1	0.3	0.1	0.3	2.0	761.8	3.5	62.0	0.2	65.7	11.1	23.2	31.2	65.5	0.5	0	
Serbia □	402.4	264.3	1.4	0.8	0.3	58.6	325.4	2.8	33.4	0	36.2	27.1	11.9	0.3	39.2	0.3	1.4	
Spain, Andalusia	917.5	399.9	0.5	0			400.4			36.0	36.0	42.3	438.8	0	481.1	0	0	
Spain, Aragon	838.5	225.4	0	0		45.1	270.5	3.0	28.6	0	31.6	30.1	500.4	0	530.5	6.0	0	
Spain, Asturias	847.2	313.1	3.7	0	0	0	316.8	14.7	27.6	0	42.4	25.8	462.3	0	488.0	0	0	
Spain, Basque country	865.6	241.0	1.8	0			242.8	9.9	40.3	0	50.2	42.1	528.7	0	570.8	1.8	0	
Spain, Cantabria *	722.1	178.0	0	0			178.0	3.4	13.4	0	16.8	33.6	493.7	0	527.3	0	0	
Spain, Castile and León *	771.6	276.6	0.8	0			277.4	16.2	29.1	0	45.3		448.9	448.9	0	0	0	
Spain, Castile-La Mancha *	880.8	322.4	1.0	0			323.4	12.8	29.5	0	42.3	15.7	498.4	0	514.1	1.0	0	
Spain, Catalonia	1013.3	133.1	0.5	0		276.1	409.6	17.5	22.0	0	39.5	115.8	448.3	0	564.1	0	0	
Spain, Extremadura	869.6	426.6	1.8	0			428.4	25.5	16.4	0	41.9	14.6	193.2	191.4	399.2	0	0	
Spain, Galicia	921.5	384.1	2.9	0	0	2.9	389.9	24.2	48.5	0	72.7	62.0	386.3	10.7	459.0	0	0	
Spain, Community of Madrid	813.7	301.3	0	0			301.3	12.2	32.1	1.5	45.7	31.5	435.2	0	466.7	0	0	
Spain, Region of Murcia	966.8	224.3	0	0	0	270.8	495.0	8.2	38.3	0	46.5	26.0	399.3	0	425.3	0	0	
Spain, Navarre *	899.4	263.6	15.5	0			279.1	21.7	0	0	21.7	43.4	555.1	0	598.5	0	0	
Spain, Valencian region	1007.5	494.2	5.2	0			499.4	7.6	58.1	0	65.7	20.7	317.8	101.9	440.4	2.0	0	
Sweden	701.9	214.1	9.9	0			224.0			62.6	62.6	173.9	241.2	0	415.1	0.2	0	
Switzerland †	667.1	276.2	4.0	0	4.0	0	284.2	17.0	13.3	0	30.3	127.3	224.8	0.5	352.6	0	0	
the Netherlands	824.4	252.6	13.2	0			266.0	21.8	17.8	0	39.7	250.5	267.9	0.4	518.8	0	0	
United Kingdom, All countries * ¶ § #	732.9	234.1	15.2	0.4	0.2	39.6	289.5	24.3	18.3	1.0	43.6	130.7	255.1	13.9	399.7	0.2	0	
United Kingdom, England * ¶ #	733.3	229.7	16.0		0.3	46.2	292.4	23.5	19.1	1.1	43.7	129.4	252.6	15.1	397.0		0	
United Kingdom, Northern Ireland * #	749.8	234.4		8.4	0	7.4	255.6	34.8			38.0	190.1	231.3	33.8	455.2		0	
United Kingdom, Scotland	743.9	276.5	7.2	0			283.7	27.4	15.1	0	42.5	130.7	285.9	1.1	417.7	0	0	
United Kingdom, Wales * #	711.2	238.7	21.5	0	0	11.4	271.7	29.1	20.3	0	49.4	124.1	262.8		390.1	0	0	

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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

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Values based on 1 to 5 patients are suppressed

Table B.8.13

Treatment modality distribution in prevalent patients, among men*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	32.2	0	0	0	12.1	44.4	2.1	2.0	0.1	4.2	8.5	42.7	0.1	51.4	0	0
Belgium, Dutch-speaking *	100	30.3	0.7	0	0.1	20.8	51.9	3.2	1.2	0	4.5	2.8	40.7	0.1	43.7	0	0
Belgium, French-speaking *	100	35.0	1.1	0	0.6	17.6	54.3	1.7	2.5	0	4.2	3.5	33.9	3.8	41.3	0.3	0
Bosnia and Herzegovina	100	72.6	0	0	0	11.1	83.7	0.2	2.6	0.1	2.8	8.8	4.6	0.1	13.5	0	0
Denmark &	100	36.0	3.0	0			39.0	5.3	5.0	0.4	10.6	21.6	28.8	0	50.4	0	0
Estonia	100	35.5	0	0	0	0.8	36.3	3.2	1.7	0	5.0	1.0	57.8	0	58.8	0	0
Finland	100	18.0	3.1	0	0	12.9	34.0	4.6	2.9	0	7.5	4.9	53.4	0.2	58.5	0	0
France	100	34.2	0.5	0.1	0.1	16.1	51.0	1.4	2.0	0	3.3	5.0	37.8	2.4	45.2	0.5	0
Greece	100	51.9	0	0	0	25.0	77.0	3.1	1.6	0	4.8	7.9	10.4	0	18.3	0	0
Iceland	100	25.4	0	0			25.4	0	0	6.5	6.5	49.3	18.8	0	68.1	0	0
Norway	100	24.4	0.4	0			24.8			5.0	5.0	26.8	43.3	0.1	70.2	0	0
Romania	100	83.5	0	0	0	0.6	84.1	0.5	5.5	0	6.0	2.0	3.9	3.8	9.8	0.1	0
Serbia	100	66.4	0.5	0.3	0.1	16.6	83.9	0.4	5.1	0.1	5.6	6.1	3.2	0.1	9.4	0.5	0.7
Spain, Andalusia	100	40.5	0.2	0			40.6			3.5	3.5	4.5	51.3	0	55.8	0	0
Spain, Aragon	100	22.9	0.1	0		6.7	29.7	0.8	4.6	0	5.3	5.9	57.7	0	63.6	1.4	0
Spain, Asturias	100	38.3	0.3	0	0	0.3	39.0	4.7	6.1	0	10.9	2.9	47.3	0	50.2	0	0
Spain, Basque country	100	30.8	0.1	0			30.9	0.8	6.1	0	6.9	5.2	56.8	0	62.0	0.2	0
Spain, Cantabria *	100	28.5	0	0			28.5	1.1	5.1	0	6.2	3.4	61.8	0	65.2	0.2	0
Spain, Castile and León *	100	40.4	0.2	0			40.6	2.1	3.8	0	5.9		53.5	53.5	53.5	0	0
Spain, Castile-La Mancha *	100	38.2	0.1	0			38.3	1.5	3.9	0	5.4	1.4	54.8	0	56.1	0.1	0
Spain, Catalonia	100	11.9	0	0		28.8	40.8	2.0	2.1	0	4.1	10.9	44.2	0	55.1	0	0
Spain, Extremadura	100	44.8	1.0	0			45.8	2.7	2.5	0	5.2	1.7	24.0	23.3	49.0	0	0
Spain, Galicia	100	44.6	0.4	0	0	0.2	45.2	2.7	4.5	0	7.2	5.2	41.1	1.3	47.6	0	0
Spain, Community of Madrid	100	40.5	0	0			40.5	1.6	4.0	0	5.6	3.3	50.5	0	53.8	0.1	0
Spain, Region of Murcia	100	19.9	0	0	0	30.7	50.6	1.3	3.7	0	5.0	3.4	41.1	0	44.4	0	0
Spain, Navarre *	100	36.2	1.5	0			37.7	3.5	0.4	0	3.8	4.2	54.3	0	58.5	0	0
Spain, Valencian region	100	52.1	0.4	0			52.4	0.7	6.1	0	6.8	1.4	30.2	9.1	40.7	0.1	0
Sweden	100	31.6	1.4	0			33.0			9.3	9.3	24.7	32.9	0	57.6	0	0
Switzerland	100	43.9	0.7	0	1.0	0	45.6	2.0	2.5	0	4.5	20.3	29.5	0	49.9	0	0
the Netherlands	100	29.8	1.8	0			31.6	3.1	2.2	0	5.3	31.9	31.3	0	63.2	0	0
United Kingdom, All countries * § #	100	32.6	2.0	0	0	5.8	40.6	3.2	2.4	0.1	5.7	16.6	35.5	1.6	53.7		0
United Kingdom, England * #	100	32.2	2.1	0	0	6.7	41.0	3.2	2.5	0.1	5.9	16.5	34.9	1.7	53.1		0
United Kingdom, Northern Ireland * #	100	33.7	1.2		0	1.1	36.5	3.6		0	3.7	23.6	32.7	3.5	59.8	0	0
United Kingdom, Scotland	100	36.9	1.2	0			38.1	3.1	0.9	0	4.0	16.6	41.1	0.2	57.9	0	0
United Kingdom, Wales * #	100	32.9	3.1	0		1.7	37.8	3.6	2.8		6.4	15.1	40.3	0.4	55.8	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
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Table B.8.14
Treatment modality distribution in prevalent patients, among women
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	32.7	0.1	0	0	9.9	42.8	2.0	2.0	0	4.0	8.0	45.2	0.1	53.2	0	0
Belgium, Dutch-speaking *	100	31.9	0.6	0	0	20.1	52.6	2.6	1.1	0	3.7	2.8	40.9	0.1	43.8	0	0
Belgium, French-speaking *	100	36.9	1.1	0	0.4	15.6	54.0	2.3	2.3	0	4.6	3.5	33.3	4.5	41.3	0.1	0
Bosnia and Herzegovina	100	78.7	0	0	0	8.2	86.9	0	4.1	0.1	4.2	6.1	2.5	0.4	9.0	0	0
Denmark &	100	33.6	2.9	0			36.6	5.1	4.5	0.2	9.9	19.6	33.9	0	53.5	0	0
Estonia	100	37.0	0	0	0.3	1.5	38.7	6.3	1.0	0	7.3	1.3	52.7	0	53.9	0	0
Finland	100	16.6	2.3	0	0	9.3	28.3	4.2	3.3	0	7.6	4.6	59.3	0.3	64.1	0	0
France	100	34.4	0.3	0.1	0.1	16.4	51.2	1.4	2.5	0	3.9	4.4	37.4	2.6	44.4	0.5	0
Greece	100	58.2	0	0	0	16.8	74.9	4.1	2.0	0	6.1	7.0	12.0	0	19.0	0	0
Iceland	100	22.1	0	0			22.1	0	0	4.7	4.7	41.9	31.4	0	73.3	0	0
Norway	100	23.6	0.3	0.1			23.9			5.7	5.7	28.3	41.9	0.1	70.4	0	0
Romania	100	85.0	0	0	0	0.2	85.3	0.4	6.9	0	7.3	1.2	2.6	3.5	7.3	0.1	0
Serbia	100	65.7	0.3	0.2	0.1	14.6	80.9	0.7	8.3	0	9.0	6.7	3.0	0.1	9.7	0.1	0.3
Spain, Andalusia	100	43.6	0.1	0			43.6			3.9	3.9	4.6	47.8	0	52.4	0	0
Spain, Aragon	100	26.9	0	0		5.4	32.3	0.4	3.4	0	3.8	3.6	59.7	0	63.3	0.7	0
Spain, Asturias	100	37.0	0.4	0	0	0	37.4	1.7	3.3	0	5.0	3.0	54.6	0	57.6	0	0
Spain, Basque country	100	27.8	0.2	0			28.1	1.1	4.7	0	5.8	4.9	61.1	0	65.9	0.2	0
Spain, Cantabria *	100	24.7	0	0			24.7	0.5	1.9	0	2.3	4.7	68.4	0	73.0	0	0
Spain, Castile and León *	100	35.8	0.1	0			36.0	2.1	3.8	0	5.9		58.2	58.2	58.2	0	0
Spain, Castile-La Mancha *	100	36.6	0.1	0			36.7	1.5	3.3	0	4.8	1.8	56.6	0	58.4	0.1	0
Spain, Catalonia	100	13.1	0.1	0		27.2	40.4	1.7	2.2	0	3.9	11.4	44.2	0	55.7	0	0
Spain, Extremadura	100	49.1	0.2	0			49.3	2.9	1.9	0	4.8	1.7	22.2	22.0	45.9	0	0
Spain, Galicia	100	41.7	0.3	0	0	0.3	42.3	2.6	5.3	0	7.9	6.7	41.9	1.2	49.8	0	0
Spain, Community of Madrid	100	37.0	0	0			37.0	1.5	3.9	0.2	5.6	3.9	53.5	0	57.4	0	0
Spain, Region of Murcia	100	23.2	0	0	0	28.0	51.2	0.8	4.0	0	4.8	2.7	41.3	0	44.0	0	0
Spain, Navarre *	100	29.3	1.7	0			31.0	2.4	0	0	2.4	4.8	61.7	0	66.6	0	0
Spain, Valencian region	100	49.1	0.5	0			49.6	0.8	5.8	0	6.5	2.1	31.5	10.1	43.7	0.2	0
Sweden	100	30.5	1.4	0			31.9			8.9	8.9	24.8	34.4	0	59.1	0	0
Switzerland	100	41.4	0.6	0	0.6	0	42.6	2.6	2.0	0	4.5	19.1	33.7	0.1	52.9	0	0
the Netherlands	100	30.6	1.6	0			32.3	2.6	2.2	0	4.8	30.4	32.5	0	62.9	0	0
United Kingdom, All countries * § #	100	31.9	2.1	0	0	5.4	39.5	3.3	2.5	0.1	5.9	17.8	34.8	1.9	54.5	0	0
United Kingdom, England * #	100	31.3	2.2		0	6.3	39.9	3.2	2.6	0.2	6.0	17.6	34.4	2.1	54.1		0
United Kingdom, Northern Ireland * #	100	31.3		1.1	0	1.0	34.1	4.6			5.1	25.4	30.8	4.5	60.7		0
United Kingdom, Scotland	100	37.2	1.0	0			38.1	3.7	2.0	0	5.7	17.6	38.4	0.1	56.1	0	0
United Kingdom, Wales * #	100	33.6	3.0	0	0	1.6	38.2	4.1	2.8	0	6.9	17.5	37.0		54.9	0	0

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

* Patients younger than 20 years of age are not reported

& No distinction is made between HD and HDF

§ HDF is not accurately captured from some units and so usage may be an underestimate for the UK

Values based on 1 to 5 patients are suppressed

Table B.8.15
Kidney transplants per million population and percentages by donor type, among men
unadjusted

	All		Living donor						Deceased donor		Donor type Unkn			
	Pmp	%	Related		Unrelated		Type Unkn		All		Pmp	%	Pmp	%
			Pmp	%	Pmp	%	Pmp	%	Pmp	%				
Austria §	63.2	100	5.1	8.1	4.9	7.8	0	0	10.1	15.9	53.1	84.1	0	0
Belgium, Dutch-speaking *	55.0	100	1.6	2.8	3.1	5.6	0	0	4.7	8.5	50.3	91.5	0	0
Belgium, French-speaking *	42.4	100	2.1	5.0	1.3	3.0	0	0	3.4	8.0	39.0	92.0	0	0
Bosnia and Herzegovina	9.8	100	5.2	52.9	1.2	11.8	0	0	6.4	64.7	3.5	35.3	0	0
Denmark	59.4	100	12.9	21.6	13.2	22.2	0	0	26.1	43.9	33.3	56.1	0	0
Estonia	37.3	100	4.9	13.0	0	0	0	0	4.9	13.0	32.4	87.0	0	0
Finland	63.9	100	3.0	4.6	1.8	2.9	0	0	4.8	7.5	59.1	92.5	0	0
France	71.5	100	11.4	15.9	0	0	0	0	11.4	15.9	60.1	84.0	0.1	0.1
Greece	17.6	100	6.3	35.9	1.3	7.6	0	0	7.7	43.5	10.0	56.5	0	0
Iceland	5.9	100	0	0	0	0	5.9	100	5.9	100	0	0	0	0
Norway	59.9	100	7.2	12.0	6.1	10.1	0	0	13.3	22.2	46.7	77.8	0	0
Romania	11.8	100	1.7	14.3	0	0	0	0	1.7	14.3	7.8	66.1	2.3	19.6
Serbia □	8.4	100	2.3	27.6	0	0	0.9	10.3	3.2	37.9	4.9	58.6	0.3	3.4
Spain, Andalusia	84.9	100	4.1	4.8	2.6	3.1	0	0	6.7	7.9	78.2	92.1	0	0
Spain, Aragon	104.3	100	10.7	10.3	3.1	2.9	0	0	13.8	13.2	90.5	86.8	0	0
Spain, Asturias	70.3	100	6.0	8.6	4.0	5.7	0	0	10.0	14.3	60.2	85.7	0	0
Spain, Basque country	98.1	100	0	0	0	0	10.5	10.7	10.5	10.7	87.6	89.3	0	0
Spain, Cantabria *	87.9	100	7.0	8.0	0	0	0	0	7.0	8.0	80.9	92.0	0	0
Spain, Castile and León *	62.0	100											62.0	100
Spain, Castile-La Mancha *	77.8	100	0	0	0	0	1.0	1.3	1.0	1.3	76.9	98.8	0	0
Spain, Catalonia	123.3	100	20.8	16.9	0	0	0	0	20.8	16.9	102.5	83.1	0	0
Spain, Extremadura	76.0	100	1.9	2.4	1.9	2.4	0	0	3.7	4.9	70.5	92.7	1.9	2.4
Spain, Galicia	69.4	100	4.6	6.6	10.7	15.4	0	0	15.2	22.0	54.1	78.0	0	0
Spain, Community of Madrid	70.7	100	3.5	5.0	1.9	2.7	0	0	5.5	7.8	65.2	92.2	0	0
Spain, Region of Murcia	76.3	100	8.2	10.7	2.7	3.6	0	0	10.9	14.3	65.4	85.7	0	0
Spain, Navarre *	113.8	100	0	0	0	0	15.8	13.9	15.8	13.9	98.0	86.1	0	0
Spain, Valencian region	67.4	100	2.5	3.6	0	0	0.8	1.2	3.3	4.8	64.1	95.2	0	0
Sweden	58.1	100	9.1	15.6	8.0	13.8	0	0	17.1	29.4	41.0	70.6	0	0
Switzerland †	43.9	100	8.2	18.7	9.4	21.4	0	0	17.6	40.1	26.3	59.9	0	0
the Netherlands	71.5	100					40.5	56.6	40.5	56.6	31.1	43.4	0	0
United Kingdom, All countries * ¶	57.0	100	7.7	13.4	4.0	7.1	3.6	6.2	15.3	26.8	41.0	72.0	0.7	1.2
United Kingdom, England * ¶	58.1	100	7.7	13.3	4.1	7.1	2.8	4.8	14.6	25.1	42.7	73.5	0.8	1.4
United Kingdom, Northern Ireland *	64.5	100	27.3	42.4	10.9	16.9	0	0	38.2	59.3	26.2	40.7	0	0
United Kingdom, Scotland	58.6	100	0.4	0.6	0.8	1.3	16.4	27.9	17.5	29.9	41.1	70.1	0	0
United Kingdom, Wales *	32.6	100	7.2	22.0	4.6	14.0	0	0	11.7	36.0	20.9	64.0	0	0

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

§ The number of transplants includes residents and non-residents, the transplant rate per million population includes residents only

* Patients younger than 20 years of age are not reported

|| The transplantation activity reflects 70% of the total transplantation activity in the country, because there is an underreporting of preemptive transplantations

□ The transplant activity is underestimated by approximately 29% for deceased donor transplants and by approximately 39% for living donor transplants due to centers not submitting complete data for 2016

† The transplant activity reflects 94% of the total transplant activity in the country

¶ The transplant activity is underestimated by approximately 7% due to one centre not submitting complete data for 2016

Table B.8.16
Kidney transplants per million population and percentages by donor type, among women
unadjusted

	All		Living donor						Deceased donor		Donor type Unkn			
	Pmp	%	Related		Unrelated		Type Unkn		All		Pmp	%	Pmp	%
			Pmp	%	Pmp	%	Pmp	%	Pmp	%				
Austria §	30.7	100	2.7	8.8	1.6	5.1	0	0	4.3	14.0	26.4	86.0	0	0
Belgium, Dutch-speaking *	30.4	100	1.2	4.0	0.3	1.0	0	0	1.5	5.0	28.9	95.0	0	0
Belgium, French-speaking *	28.8	100	4.5	15.5	2.4	8.5	0	0	6.9	23.9	21.9	76.1	0	0
Bosnia and Herzegovina	3.9	100	0.6	14.3	0.6	14.3	0	0	1.1	28.6	2.8	71.4	0	0
Denmark	31.3	100	7.9	25.3	3.1	9.9	0	0	11.0	35.2	20.3	64.8	0	0
Estonia	27.2	100	1.4	5.3	0	0	0	0	1.4	5.3	25.8	94.7	0	0
Finland	31.6	100	2.5	8.0	0.7	2.3	0	0	3.2	10.2	28.3	89.8	0	0
France	37.8	100	6.0	15.9	0	0	0	0	6.0	15.9	31.8	83.9	0.1	0.2
Greece	8.8	100	1.8	20.4	0.5	6.1	0	0	2.3	26.5	6.5	73.5	0	0
Iceland	24.1	100	6.0	25.0	6.0	25.0	12.0	50.0	24.1	100	0	0	0	0
Norway	31.6	100	3.8	12.2	0.8	2.4	0	0	4.6	14.6	26.9	85.4	0	0
Romania	7.6	100	1.1	14.5	0	0	0.1	1.3	1.2	15.8	5.4	71.1	1.0	13.2
Serbia □	6.4	100	1.9	30.4	0.3	4.3	0	0	2.2	34.8	3.9	60.9	0.3	4.3
Spain, Andalusia	45.4	100	3.5	7.8	0.7	1.6	0.2	0.5	4.5	9.8	40.9	90.2	0	0
Spain, Aragon	58.6	100	3.0	5.1	0	0	0	0	3.0	5.1	55.6	94.9	0	0
Spain, Asturias	46.0	100	3.7	8.0	0	0	0	0	3.7	8.0	42.4	92.0	0	0
Spain, Basque country	60.9	100	0	0	0	0	8.1	13.2	8.1	13.2	52.9	86.8	0	0
Spain, Cantabria *	47.0	100	0	0	0	0	0	0	0	0	47.0	100	0	0
Spain, Castile and León *	29.1	100											29.1	100
Spain, Castile-La Mancha *	34.4	100	0	0	0	0	2.9	8.6	2.9	8.6	31.5	91.4	0	0
Spain, Catalonia	65.9	100	15.9	24.2	0	0	0	0	15.9	24.2	49.9	75.8	0	0
Spain, Extremadura	27.3	100	1.8	6.7	0	0	0	0	1.8	6.7	23.7	86.7	1.8	6.7
Spain, Galicia	31.4	100	1.4	4.5	4.3	13.6	0	0	5.7	18.2	25.7	81.8	0	0
Spain, Community of Madrid	42.5	100	3.3	7.7	0.3	0.7	0	0	3.6	8.4	38.9	91.6	0	0
Spain, Region of Murcia	27.3	100	0	0	2.7	10.0	0	0	2.7	10.0	24.6	90.0	0	0
Spain, Navarre *	68.2	100	0	0	0	0	3.1	4.5	3.1	4.5	65.1	95.5	0	0
Spain, Valencian region	40.6	100	3.2	7.8	0.4	1.0	0	0	3.6	8.8	37.0	91.2	0	0
Sweden	27.1	100	6.9	25.4	3.0	11.2	0	0	9.9	36.6	17.2	63.4	0	0
Switzerland †	27.4	100	4.7	17.2	5.7	20.7	0	0	10.4	37.9	17.0	62.1	0	0
the Netherlands	46.4	100					26.6	57.3	26.6	57.3	19.8	42.7	0	0
United Kingdom, All countries * ¶	34.0	100	4.7	13.9	3.6	10.5	2.5	7.4	10.8	31.8	22.9	67.2	0.3	1.0
United Kingdom, England * ¶	33.7	100	4.7	14.0	3.5	10.4	2.0	6.1	10.3	30.5	23.0	68.4	0.4	1.2
United Kingdom, Northern Ireland *	59.1	100	18.0	30.4	19.0	32.1	0	0	37.0	62.5	22.2	37.5	0	0
United Kingdom, Scotland	36.7	100	0.4	1.0	0	0	10.1	27.5	10.4	28.4	26.3	71.6	0	0
United Kingdom, Wales *	20.9	100	4.4	21.2	1.9	9.1	0	0	6.3	30.3	14.6	69.7	0	0

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

§ The number of transplants includes residents and non-residents, the transplant rate per million population includes residents only

* Patients younger than 20 years of age are not reported

|| The transplantation activity reflects 70% of the total transplantation activity in the country, because there is an underreporting of preemptive transplantations

□ The transplant activity is underestimated by approximately 29% for deceased donor transplants and by approximately 39% for living donor transplants due to centers not submitting complete data for 2016

† The transplant activity reflects 94% of the total transplant activity in the country

¶ The transplant activity is underestimated by approximately 7% due to one centre not submitting complete data for 2016

Table B.8.17

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

	Survival probabilities as % (95% CI)				
	cohort 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
Patient survival on RRT					
Unadjusted	83.5 (83.3-83.7)	73.0 (72.8-73.2)	49.8 (49.6-49.9)	84.5 (84.3-84.7)	74.3 (74.1-74.5)
Adjusted	86.1 (85.8-86.3)	76.2 (75.9-76.4)	50.5 (50.1-50.8)	86.9 (86.7-87.1)	77.4 (77.1-77.6)
Patient survival on dialysis					
Unadjusted	82.5 (82.3-82.7)	70.6 (70.4-70.8)	41.3 (41.1-41.4)	83.4 (83.2-83.6)	71.7 (71.5-71.9)
Adjusted	84.5 (84.3-84.8)	73.5 (73.2-73.8)	44.1 (43.7-44.5)	85.7 (85.5-85.9)	75.1 (74.8-75.4)
Patient survival after first kidney transplantation (deceased donor)					
Unadjusted	96.0 (95.7-96.3)	93.8 (93.5-94.2)	86.6 (86.1-87.0)	96.2 (96.0-96.5)	93.9 (93.6-94.2)
Adjusted	97.6 (97.4-97.8)	96.2 (95.9-96.4)	91.3 (90.9-91.8)	97.9 (97.7-98.1)	96.6 (96.4-96.8)
Graft survival after first kidney transplantation (deceased donor)					
Unadjusted	90.9 (90.5-91.3)	87.9 (87.4-88.3)	78.0 (77.5-78.5)	90.9 (90.5-91.2)	87.6 (87.2-88.0)
Adjusted	92.1 (91.7-92.5)	89.4 (89.0-89.9)	80.5 (80.0-81.1)	92.6 (92.3-92.9)	89.9 (89.5-90.3)
Patient survival after first kidney transplantation (living donor)					
Unadjusted	98.6 (98.3-98.9)	97.8 (97.4-98.1)	94.0 (93.4-94.5)	99.0 (98.7-99.2)	98.0 (97.7-98.3)
Adjusted	98.9 (98.6-99.1)	98.2 (97.8-98.5)	94.7 (94.1-95.3)	99.2 (99.0-99.4)	98.5 (98.2-98.8)
Graft survival after first kidney transplantation (living donor)					
Unadjusted	95.9 (95.4-96.3)	94.4 (93.8-94.9)	87.7 (86.9-88.4)	96.8 (96.4-97.2)	95.2 (94.7-95.7)
Adjusted	95.7 (95.2-96.3)	94.2 (93.6-94.8)	87.2 (86.3-88.1)	96.7 (96.3-97.1)	95.1 (94.5-95.6)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Table B.8.18

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

	Survival probabilities as % (95% CI)				
	cohort 2007 - 2011			cohort 2010 - 2014	
	1 year	2 year	5 year	1 year	2 year
Patient survival on RRT					
Unadjusted	83.7 (83.4-83.9)	73.6 (73.3-73.9)	51.8 (51.5-52.0)	84.7 (84.5-85.0)	75.2 (75.0-75.5)
Adjusted	86.6 (86.3-86.9)	77.4 (77.1-77.8)	53.9 (53.4-54.3)	87.4 (87.2-87.7)	78.7 (78.4-79.1)
Patient survival on dialysis					
Unadjusted	82.6 (82.3-82.8)	71.2 (70.9-71.4)	43.6 (43.4-43.8)	83.6 (83.3-83.8)	72.6 (72.3-72.9)
Adjusted	85.0 (84.7-85.3)	74.7 (74.3-75.1)	47.7 (47.3-48.2)	86.2 (85.9-86.4)	76.4 (76.1-76.8)
Patient survival after first kidney transplantation (deceased donor)					
Unadjusted	96.8 (96.4-97.1)	95.3 (94.9-95.7)	89.6 (89.1-90.1)	96.6 (96.2-96.9)	94.9 (94.5-95.2)
Adjusted	97.9 (97.6-98.1)	96.9 (96.6-97.2)	92.9 (92.4-93.3)	97.9 (97.7-98.1)	96.9 (96.6-97.1)
Graft survival after first kidney transplantation (deceased donor)					
Unadjusted	91.3 (90.8-91.8)	88.7 (88.2-89.3)	79.9 (79.2-80.5)	91.3 (90.8-91.7)	88.7 (88.2-89.2)
Adjusted	92.1 (91.6-92.6)	89.7 (89.2-90.3)	81.5 (80.8-82.2)	92.6 (92.1-93.0)	90.3 (89.8-90.8)
Patient survival after first kidney transplantation (living donor)					
Unadjusted	98.7 (98.3-99.1)	97.7 (97.1-98.1)	94.3 (93.6-95.0)	99.2 (98.9-99.4)	98.3 (97.9-98.6)
Adjusted	98.8 (98.4-99.1)	97.8 (97.3-98.3)	94.4 (93.6-95.2)	99.3 (99.0-99.5)	98.4 (98.1-98.8)
Graft survival after first kidney transplantation (living donor)					
Unadjusted	96.0 (95.3-96.5)	93.6 (92.7-94.3)	87.0 (86.0-88.0)	96.8 (96.3-97.3)	94.8 (94.1-95.4)
Adjusted	95.5 (94.7-96.2)	92.9 (91.9-93.8)	85.7 (84.4-86.9)	96.5 (95.9-97.1)	94.3 (93.6-95.1)

Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland)

Section C: Aggregated data reference tables

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

	General population of whole country/region in thousands	% Coverage of general population by the registry	Total number of renal centres of whole country/region	Number of renal centres collaborating with the registry
Albania	2889	99.0	13	12
Belarus	9502	86.0	50	43
Bulgaria	7102	100	78	78
Croatia	4172	90.0	45	39
Cyprus	857	100	6	6
Czech Republic	10579	97.0	108	105
Georgia	3720	100	23	23
Israel	8545	100	76	76
Italy (6 of 20 regions)	60590	34.5	700	183
Latvia	1950	80.0	25	23
Lithuania	2888	100	63	63
Macedonia	2022	100	23	23
Poland	38362	100	285	285
Portugal	10358	100	123	123
Russia	146805	98.0	534	525
Slovakia	5435	100	69	69
Spain	46558	100	356	356
Tunisia, Sfax region	11233	10.8	157	17
Turkey	79815	100	1050	1050
Ukraine	42590	100	102	102

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	252	164	88	7	3	2	1	5	6	55	22	38	23	17	19	107	42	69	42	38	43	57	23	42	26	15	17	26	10	13	8	13	15	
Belarus	504	280	224	2	0	0	0	2	1	109	22	71	25	38	17	242	48	136	49	106	47	107	21	53	19	54	24	44	9	20	7	24	11	
Bulgaria	1109	551	558																															
Croatia	675	412	263	7	1	6	1	1	0	51	8	40	10	11	4	242	36	150	36	92	35	176	26	112	27	64	24	199	29	104	25	95	36	
Cyprus	165	115	50	4	2	2	2	2	4	7	4	5	4	2	4	50	30	37	32	13	26	49	30	34	30	15	30	55	33	37	32	18	36	
Czech Republic †	2496																																	
Georgia	754	496	258	11	1	6	1	5	2	97	13	64	13	33	13	324	43	216	44	108	42	179	24	122	25	57	22	143	19	88	18	55	21	
Israel	1612	1016	596	42	3	27	3	15	3	140	9	87	9	53	9	475	29	305	30	170	29	447	28	283	28	164	28	508	32	314	31	194	33	
Italy (6 of 20 regions)	3023	1947	1076	23	1	11	1	12	1	224	7	150	8	74	7	736	24	477	24	259	24	806	27	547	28	259	24	1234	41	762	39	472	44	
Latvia	171	103	68	2	1	1	1	1	1	23	13	17	17	6	9	71	42	41	40	30	44	47	27	30	29	17	25	28	16	14	14	14	21	
Lithuania	310	196	114	1	0	1	1	0	0	40	13	24	12	16	14	125	40	89	45	36	32	60	19	41	21	19	17	84	27	41	21	43	38	
Macedonia	332	204	128	2	1	2	1	0	0	27	8	20	10	7	5	134	40	91	45	43	34	96	29	47	23	49	38	73	22	44	22	29	23	
Poland †	5716																																	
Portugal	2446																																	
Russia †	8521	4508	4013	405	5	251	6	154	4	1997	23	1090	24	907	23	4009	47	2066	46	1943	48	1538	18	780	17	758	19	572	7	321	7	251	6	
Slovakia †	835	494	341	3	0	1	0	2	1	67	8	43	9	24	7	295	35	187	38	108	32	281	34	176	36	105	31	189	23	87	18	102	30	
Spain §	6600	4405	2195	37	1	20	0	17	1	694	11	441	10	253	12	2121	32	1426	32	695	32	1774	27	1215	28	559	25	1974	30	1303	30	671	31	
Tunisia, Sfax region †	193	105	88	2	1	2	2	0	0	33	17	20	19	13	15	72	37	44	42	28	32	35	18	18	17	17	19	51	26	21	20	30	34	
Turkey	11169																																	
Ukraine #	1246	737	509	52	4					373	30					606	49					184	15					31	2					

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

When cells are left empty, the data are unavailable

† Data include dialysis patients only

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

Data presented in the column 0-19 refer to patients aged 18-19 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	88.1	113.0	62.5	9.2	5.1	13.7	55.4	73.8	35.6	144.9	189.4	101.5	259.4	385.7	135.3	173.9	187.6	162.1
Belarus	61.7	73.6	51.3	1.2	0	2.4	36.9	47.8	25.9	105.5	130.5	84.7	150.6	230.8	112.3	91.9	129.2	74.0
Bulgaria	156.2	159.7	152.8															
Croatia	179.8	227.4	135.4	9.3	15.5	2.7	42.0	64.9	18.4	228.6	289.9	170.1	454.8	658.4	295.1	581.9	862.4	429.1
Cyprus	192.5	275.8	113.6	20.5	20.0	21.1	20.7	30.9	11.4	238.1	362.7	120.4	731.3	1062.5	428.6	1170.2	1761.9	692.3
Czech Republic †	243.2																	
Georgia	202.7	278.7	132.9	11.8	12.3	11.3	75.4	99.8	51.2	334.4	482.9	207.1	646.9	1083.5	347.3	554.7	987.7	326.0
Israel	188.7	235.8	140.7	13.6	18.0	9.5	48.5	60.4	36.6	294.3	366.9	217.1	825.3	978.2	650.0	1218.5	1282.7	1127.3
Italy (6 of 20 regions)	144.5	191.5	100.1	6.0	5.6	6.5	35.4	46.9	23.6	120.7	160.0	83.1	353.8	509.6	215.1	515.6	805.4	326.1
Latvia	109.6	143.9	80.6	6.4	6.3	6.6	45.2	66.0	23.9	165.3	208.3	128.9	298.2	506.8	172.8	183.2	330.2	126.8
Lithuania	107.3	147.4	73.2	1.7	3.3	0	42.6	50.8	34.3	153.2	238.0	81.4	218.2	394.2	111.1	308.8	512.5	224.0
Macedonia	164.2	201.0	127.1	3.4	6.6	0	35.5	51.4	18.8	293.9	404.4	186.1	657.5	691.2	628.2	1073.5	1517.2	743.6
Poland †	149.0																	
Portugal	236.1																	
Russia †	59.2	67.6	52.0	12.9	15.6	10.0	37.8	41.4	34.3	102.6	117.8	90.2	141.6	191.7	111.6	59.4	123.4	35.7
Slovakia †	153.6	186.3	122.5	2.1	1.4	2.9	32.0	40.3	23.4	209.7	278.7	146.7	809.8	1303.7	495.3	1055.9	1553.6	829.3
Spain §	141.8	192.8	92.6	5.3	5.6	5.0	38.3	48.0	28.4	165.6	224.8	107.5	412.1	602.1	244.4	453.5	766.5	252.9
Tunisia, Sfax region †	159.1	174.1	144.3	5.2	10.1	0	69.6	87.0	53.3	278.8	344.7	214.4	613.8	648.5	580.8	1210.8	1039.8	1368.4
Turkey	139.9																	
Ukraine	29.3	37.4	22.3	6.1			23.7			52.1			52.1			9.6		

When cells are left empty, the data are unavailable

† Data include dialysis patients only

§ Data presented in the column 0-19 refer to patients aged 0-14 years and data presented in the 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)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Albania	100	52.6	15.3	52.2	65.1	55.2	15.6	57.1	34.9	47.7	15.7	46.4
Belarus	100	53.0	14.5	54.0	55.6	52.1	14.3	53.0	44.4	54.2	14.7	55.0
Bulgaria	100				49.7				50.3			
Croatia	100	64.9	14.4	66.0	61.0	63.4	15.0	65.0	39.0	67.2	13.1	69.0
Cyprus	100	66.7	15.2	69.0	69.7	66.2	15.2	69.0	30.3	67.8	14.2	70.0
Czech Republic												
Georgia	100	60.4	14.9	61.9	65.8	60.4	14.4	61.3	34.2	60.6	15.9	62.6
Israel	100	65.1	16.9	68.0	63.0	64.9	16.8	67.5	37.0	65.6	17.0	68.5
Italy (6 of 20 regions)	100	68.8	15.3	71.8	64.4	68.5	15.1	71.5	35.6	69.3	15.7	72.5
Latvia	100	60.3	15.5	63.0	60.2	59.0	16.0	62.0	39.8	62.1	14.7	63.5
Lithuania	100	61.8	16.2	62.5	63.2	60.9	15.2	61.6	36.8	63.4	17.8	66.0
Macedonia	100	63.7	13.6	65.0	61.4	62.5	14.4	63.0	38.6	65.7	12.1	67.0
Poland												
Portugal												
Russia †	100	54.3	15.2	57.0	52.9	53.8	14.7	56.0	47.1	54.8	15.7	58.0
Slovakia †	100	64.6	13.1	66.0	59.2	63.3	12.4	65.0	40.8	66.3	14.0	69.0
Spain	100	63.0	15.3	67.5	66.7	63.2	15.0	67.6	33.3	62.6	15.8	67.4
Tunisia, Sfax region †	100	60.5	16.7	63.0	54.4	57.9	16.5	58.0	45.6	63.7	16.5	66.5
Turkey												
Ukraine	100	49.7	14.2	51.0	59.1	49.2	13.9	50.0	40.9	50.3	14.6	52.0

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

When cells are left empty, the data are unavailable

† 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	86.8	111.9	61.8
Belarus			
Bulgaria			
Croatia	163.7	212.3	120.6
Cyprus	239.6	320.7	150.2
Czech Republic			
Georgia	217.6	317.6	137.7
Israel	275.4	291.3	250.0
Italy (6 of 20 regions)	121.1	155.5	85.5
Latvia	101.9	144.8	71.3
Lithuania	101.9	151.1	66.4
Macedonia	249.1	297.4	191.5
Poland			
Portugal			
Russia †	59.8	73.5	50.1
Slovakia †	162.3	202.0	128.9
Spain	130.5	172.8	86.8
Tunisia, Sfax region †	229.5	239.3	221.1
Turkey			
Ukraine			

When cells are left empty, the data are unavailable

† Data include dialysis patients only

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

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type 1		Type 2		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Albania	88.1	100	15.0	17.1	13.3	15.1	5.2	6.0	1.4	1.6	16.1	18.3	17.5	19.8	9.8	11.1	1.0	1.2	9.8	11.1	16.4	18.7	0	0
Belarus	61.7	100	14.9	24.2	7.7	12.5	4.2	6.7	2.8	4.6	8.4	13.7	11.3	18.3	7.2	11.7	3.3	5.4	13.0	21.0	0.1	0.2	0	0
Bulgaria	156.2	100	19.9	12.7	12.3	7.8	12.5	8.0					43.5	27.9	22.8	14.6	16.6	10.6	19.1	12.3	6.3	4.1	3.1	2.0
Croatia	179.8	100	17.8	9.9	10.9	6.1	9.1	5.0	3.5	1.9	44.7	24.9	48.2	26.8	24.5	13.6	2.9	1.6	42.6	23.7	23.7	13.2	0	0
Cyprus	192.5	100	25.7	13.3	9.3	4.8	14.0	7.3	5.8	3.0	49.0	25.5	54.8	28.5	28.0	14.5	5.8	3.0	23.3	12.1	31.5	16.4	0	0
Czech Republic																								
Georgia	202.7	100	4.3	2.1	18.0	8.9	16.7	8.2	12.9	6.4	37.4	18.4	50.3	24.8	24.5	12.1	9.4	4.6	7.5	3.7	68.3	33.7	3.8	1.9
Israel	188.7	100	9.4	5.0	1.9	1.0	4.4	2.4	21.1	11.2	73.1	38.8	94.2	49.9	16.3	8.6	3.5	1.9	16.6	8.8	31.7	16.8	10.6	5.6
Italy (6 of 20 regions)	144.5	100	16.3	11.3	5.1	3.5	7.7	5.3					25.0	17.3	22.4	15.5	4.6	3.2	17.1	11.8	30.5	21.1	15.9	11.0
Latvia	109.6	100	14.1	12.9	12.2	11.1	9.0	8.2	3.2	2.9	13.5	12.3	16.7	15.2	17.3	15.8	1.3	1.2	24.4	22.2	14.7	13.5	0	0
Lithuania	107.3	100	8.7	8.1	17.7	16.5	11.8	11.0					18.0	16.8	31.5	29.4	1.4	1.3	14.5	13.5	3.8	3.5	0	0
Macedonia	164.2	100	14.3	8.7	10.4	6.3	8.9	5.4	5.4	3.3	36.1	22.0	41.5	25.3	42.0	25.6	0	0	19.3	11.7	27.7	16.9	0	0
Poland †	149.0	100											54.7	36.7										
Portugal + &	236.1	100	27.2	11.5			12.6	5.3					73.1	30.9	34.1	14.4			46.0	19.5	37.7	16.0	2.6	1.1
Russia †	59.2	100	21.0	35.5	6.2	10.4	5.3	8.9	4.1	6.9	6.3	10.6	10.4	17.5	4.9	8.3	1.1	1.8	8.2	13.8	2.2	3.7	0	0
Slovakia †	153.6	100	14.7	9.6	14.7	9.6	7.4	4.8					58.1	37.8	13.4	8.7	5.5	3.6	35.3	23.0	4.4	2.9	0	0
Spain ¶	141.8	100	19.2	13.5	10.9	7.7	9.3	6.6					34.6	24.4	21.7	15.3			16.2	11.4	29.9	21.1	0	0
Tunisia, Sfax region † \$	159.1	100	20.6	13.0	28.9	18.1	6.6	4.1					51.1	32.1			4.9	3.1	0.8	0.5	46.2	29.0	0	0
Turkey ‡	139.9	100	1.8	1.3	0.2	0.2	1.1	0.8	1.5	1.0	8.4	6.0	9.9	7.0	6.6	4.7	0.3	0.2	2.0	1.5	4.2	3.0	113.9	81.4
Ukraine +	29.3	100	10.0	34.3	3.9	13.5	2.7	9.3	3.4	11.7	3.7	12.6	7.1	24.3	2.3	7.7			3.1	10.4	0.1	0.4	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

† 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

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

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

‡ Data are available for 2078 dialysis patients (18.6% of total)

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	252	233	0	0	0	0	233	0	3	0	3	6	0	0	6	10
Belarus	504	446	0	0	1	11	458	5	38	0	43	0	3	0	3	0
Bulgaria	1109	961	0	0	0	130	1091	2	13	0	15	3	0	0	3	0
Croatia	675	544	0	0	0	58	602	2	58	0	60	5	8	0	13	0
Cyprus	165	100	0	0	0	24	124	11	27	0	38	3	0	0	3	0
Czech Republic †	2496	2398					2398			98	98					0
Georgia	754	719	0	0	0	0	719	35	0	0	35	0	0	0	0	0
Israel	1612	1403	0	0	0	0	1403	43	94	0	137	62	1	9	72	0
Italy (6 of 20 regions)	3023	2295	8	2	29	188	2522	207	241	0	448	22	31	0	53	0
Latvia	171	134	0				134			31	31	1	5	0	6	0
Lithuania	310	295	0	0	0	0	295			13	13	2	0	0	2	0
Macedonia	332	326	0	0	0	0	326	0	5	0	5	1	0	0	1	0
Poland †	5716	4801	0				4801			915	915					0
Portugal	2446	2206	0	0	0	0	2206			215	215	25	0	0	25	0
Russia †	8521	7860	0	0	0	0	7860	0	661	0	661	0	0	0	0	0
Slovakia †	835	279	0	0	0	540	819	7	9	0	16					0
Spain	6600			5185			5185			1099	1099			316	316	0
Tunisia, Sfax region †	193	181					181	7	5	0	12					0
Turkey	11169	8755	3	12	4	193	8967	787	233	0	1020	1169	13	0	1182	0
Ukraine	1246	806	0	0	0	217	1023	17	206	0	223	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

† 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	88.1	81.5	0	0	0	0	81.5	0	1.0	0	1.0	2.1	0	0	2.1	3.5
Belarus	61.7	54.6	0	0	0.1	1.3	56.0	0.6	4.7	0	5.3	0	0.4	0	0.4	0
Bulgaria	156.2	135.3	0	0	0	18.3	153.6	0.3	1.8	0	2.1	0.4	0	0	0.4	0
Croatia	179.8	144.9	0	0	0	15.4	160.3	0.5	15.4	0	16.0	1.3	2.1	0	3.5	0
Cyprus	192.5	116.7	0	0	0	28.0	144.7	12.8	31.5	0	44.3	3.5	0	0	3.5	0
Czech Republic †	243.2	233.7					233.7			9.6	9.6					0
Georgia	202.7	193.3	0	0	0	0	193.3	9.4	0	0	9.4	0	0	0	0	0
Israel	188.7	164.2	0	0	0	0	164.2	5.0	11.0	0	16.0	7.3	0.1	1.1	8.4	0
Italy (6 of 20 regions)	144.5	109.7	0.4	0.1	1.4	9.0	120.6	9.9	11.5	0	21.4	1.1	1.5	0	2.5	0
Latvia	109.6	85.9	0				85.9			19.9	19.9	0.6	3.2	0	3.8	0
Lithuania	107.3	102.1	0	0	0	0	102.1			4.5	4.5	0.7	0	0	0.7	0
Macedonia	164.2	161.2	0	0	0	0	161.2	0	2.5	0	2.5	0.5	0	0	0.5	0
Poland †	149.0	125.1	0				125.1			23.9	23.9					0
Portugal	236.1	213.0	0	0	0	0	213.0			20.8	20.8	2.4	0	0	2.4	0
Russia †	59.2	54.6	0	0	0	0	54.6	0	4.6	0	4.6	0	0	0	0	0
Slovakia †	153.6	51.3	0	0	0	99.4	150.7	1.3	1.7	0	2.9					0
Spain	141.8			111.4			111.4			23.6	23.6			6.8	6.8	0
Tunisia, Sfax region †	159.1	149.2					149.2	5.8	4.1	0	9.9					0
Turkey	139.9	109.7	0	0.2	0.1	2.4	112.3	9.9	2.9	0	12.8	14.6	0.2	0	14.8	0
Ukraine	29.3	18.9	0	0	0	5.1	24.0	0.4	4.8	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
† Data include dialysis patients only

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

	All	Haemodialysis						Peritoneal dialysis				Preemptive kidney transplant				Missing
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living donor	Deceased donor	Tx type Unkn	Total Tx	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Albania	100	92.5	0	0	0	0	92.5	0	1.2	0	1.2	2.4	0	0	2.4	4.0
Belarus	100	88.5	0	0	0.2	2.2	90.9	1.0	7.5	0	8.5	0	0.6	0	0.6	0
Bulgaria	100	86.7	0	0	0	11.7	98.4	0.2	1.2	0	1.4	0.3	0	0	0.3	0
Croatia	100	80.6	0	0	0	8.6	89.2	0.3	8.6	0	8.9	0.7	1.2	0	1.9	0
Cyprus	100	60.6	0	0	0	14.5	75.2	6.7	16.4	0	23.0	1.8	0	0	1.8	0
Czech Republic †	100	96.1					96.1			3.9	3.9					0
Georgia	100	95.4	0	0	0	0	95.4	4.6	0	0	4.6	0	0	0	0	0
Israel	100	87.0	0	0	0	0	87.0	2.7	5.8	0	8.5	3.8	0.1	0.6	4.5	0
Italy (6 of 20 regions)	100	75.9	0.3	0.1	1.0	6.2	83.4	6.8	8.0	0	14.8	0.7	1.0	0	1.8	0
Latvia	100	78.4	0				78.4			18.1	18.1	0.6	2.9	0	3.5	0
Lithuania	100	95.2	0	0	0	0	95.2			4.2	4.2	0.6	0	0	0.6	0
Macedonia	100	98.2	0	0	0	0	98.2	0	1.5	0	1.5	0.3	0	0	0.3	0
Poland †	100	84.0	0				84.0			16.0	16.0					0
Portugal	100	90.2	0	0	0	0	90.2			8.8	8.8	1.0	0	0	1.0	0
Russia †	100	92.2	0	0	0	0	92.2	0	7.8	0	7.8	0	0	0	0	0
Slovakia †	100	33.4	0	0	0	64.7	98.1	0.8	1.1	0	1.9					0
Spain	100			78.6			78.6			16.7	16.7			4.8	4.8	0
Tunisia, Sfax region †	100	93.8					93.8	3.6	2.6	0	6.2					0
Turkey	100	78.4	0	0.1	0	1.7	80.3	7.0	2.1	0	9.1	10.5	0.1	0	10.6	0
Ukraine	100	64.7	0	0	0	17.4	82.1	1.4	16.5	0	17.9	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

† Data include dialysis patients only

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

	All			0-19						20-44						45-64						65-74						75+						
	All	Men	Women	All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women								
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%							
Albania	235	153	82	7	3	2	1	5	6	53	23	37	24	16	20	102	43	65	42	37	45	53	23	39	25	14	17	20	9	10	7	10	12	
Belarus	481	265	216	2	0	0	0	2	1	107	22	70	26	37	17	231	48	128	48	103	48	101	21	50	19	51	24	40	8	17	6	23	11	
Bulgaria	959	469	490																															
Croatia	597	370	227	7	1	6	2	1	0	49	8	38	10	11	5	224	38	141	38	83	37	154	26	99	27	55	24	163	27	86	23	77	34	
Cyprus	161	112	49	4	2	2	2	2	4	7	4	5	4	2	4	48	30	35	31	13	27	48	30	33	29	15	31	54	34	37	33	17	35	
Czech Republic																																		
Georgia	601	407	194	11	2	6	1	5	3	84	14	54	13	30	15	277	46	191	47	86	44	126	21	91	22	35	18	103	17	65	16	38	20	
Israel	1564	987	577	42	3	27	3	15	3	149	10	91	9	58	10	474	30	308	31	166	29	426	27	270	27	156	27	473	30	291	29	182	32	
Italy (6 of 20 regions)	2768	1783	985	22	1	10	1	12	1	213	8	142	8	71	7	681	25	438	25	243	25	752	27	506	28	246	25	1100	40	687	39	413	42	
Latvia	156	94	62	2	1	1	1	1	2	22	14	17	18	5	8	67	43	38	40	29	47	41	26	27	29	14	23	24	15	11	12	13	21	
Lithuania	300	191	109	1	0	1	1	0	0	40	13	24	13	16	15	124	41	88	46	36	33	57	19	39	20	18	17	78	26	39	20	39	36	
Macedonia	265	166	99	2	1	2	1	0	0	23	9	17	10	6	6	117	44	80	48	37	37	72	27	35	21	37	37	51	19	32	19	19	19	
Poland																																		
Portugal	2297																																	
Russia																																		
Slovakia †	693	421	272	3	0	1	0	2	1	57	8	37	9	20	7	253	37	161	38	92	34	238	34	153	36	85	31	142	20	69	16	73	27	
Spain																																		
Tunisia, Sfax region †	174	95	79	2	1	2	2	0	0	32	18	20	21	12	15	67	39	42	44	25	32	32	18	15	16	17	22	41	24	16	17	25	32	
Turkey																																		
Ukraine	992																																	

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

When cells are left empty, the data are unavailable

† 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	82.2	105.4	58.2	9.2	5.1	13.7	53.4	71.9	33.5	138.1	178.4	98.9	241.2	358.1	126.3	133.8	144.3	124.7
Belarus	58.9	69.7	49.5	1.2	0	2.4	36.3	47.2	25.2	100.7	122.8	82.3	142.2	217.8	106.1	83.5	109.8	70.9
Bulgaria	135.0	135.9	134.2															
Croatia	159.0	204.2	116.8	9.3	15.5	2.7	40.4	61.6	18.4	211.6	272.5	153.4	397.9	582.0	253.6	476.6	713.1	347.8
Cyprus	187.9	268.6	111.4	20.5	20.0	21.1	20.7	30.9	11.4	228.6	343.1	120.4	716.4	1031.3	428.6	1148.9	1761.9	653.8
Czech Republic																		
Georgia	161.5	228.7	100.0	11.8	12.3	11.3	65.3	84.2	46.5	285.9	427.0	164.9	455.4	808.2	213.3	399.5	729.5	225.3
Israel	183.0	229.1	136.2	13.6	18.0	9.5	51.6	63.2	40.0	293.6	370.5	212.0	786.6	933.3	618.3	1134.6	1188.7	1057.5
Italy (6 of 20 regions)	132.3	175.4	91.6	5.8	5.1	6.5	33.6	44.4	22.7	111.7	146.9	78.0	330.1	471.4	204.3	459.6	726.2	285.3
Latvia	100.0	131.3	73.5	6.4	6.3	6.6	43.2	66.0	19.9	156.0	193.1	124.6	260.2	456.1	142.3	157.1	259.4	117.8
Lithuania	103.9	143.6	70.0	1.7	3.3	0	42.6	50.8	34.3	152.0	235.3	81.4	207.3	375.0	105.3	286.8	487.5	203.1
Macedonia	131.1	163.5	98.3	3.4	6.6	0	30.2	43.7	16.1	256.6	355.6	160.2	493.2	514.7	474.4	750.0	1103.4	487.2
Poland																		
Portugal	221.8																	
Russia																		
Slovakia †	127.5	158.8	97.7	2.1	1.4	2.9	27.3	34.7	19.5	179.8	239.9	125.0	685.9	1133.3	400.9	793.3	1232.1	593.5
Spain																		
Tunisia, Sfax region †	143.4	157.5	129.5	5.2	10.1	0	67.5	87.0	49.2	259.5	329.0	191.5	561.2	540.4	580.8	973.4	792.2	1140.3
Turkey																		
Ukraine	23.3																	

When cells are left empty, the data are unavailable

† 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)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Albania	100	53.1	15.2	53.8	65.1	54.8	15.3	56.3	34.9	49.8	14.8	49.3
Belarus	100	52.7	14.4	54.0	55.1	51.7	14.2	53.0	44.9	54.0	14.7	55.0
Bulgaria	100				48.9				51.1			
Croatia	100	63.8	14.4	65.0	62.0	62.4	14.9	64.0	38.0	66.0	13.2	67.0
Cyprus	100	66.6	15.2	69.0	69.6	66.3	15.2	69.0	30.4	67.4	14.2	70.0
Czech Republic												
Georgia	100	59.2	15.2	60.2	67.7	59.4	14.4	60.1	32.3	58.8	16.6	61.0
Israel	100	64.5	17.1	67.2	63.1	64.2	17.0	66.9	36.9	65.0	17.3	68.3
Italy (6 of 20 regions)	100	68.5	15.3	71.5	64.4	68.3	15.1	71.4	35.6	68.7	15.8	71.8
Latvia	100	59.6	15.8	62.0	60.3	58.0	16.2	61.0	39.7	61.9	14.9	63.0
Lithuania	100	61.7	16.1	62.5	63.7	60.8	15.2	61.5	36.3	63.3	17.7	66.0
Macedonia	100	62.5	13.5	64.0	62.6	61.2	14.1	62.0	37.4	64.6	12.2	66.0
Poland												
Portugal												
Russia												
Slovakia †	100	64.0	12.9	66.0	60.8	63.1	12.3	65.0	39.2	65.4	13.7	68.5
Spain												
Tunisia, Sfax region †	100	59.4	16.6	60.5	54.6	56.3	16.3	57.0	45.4	63.1	16.3	67.0
Turkey												
Ukraine												

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

When cells are left empty, the data are unavailable

† 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	80.8	104.0	57.6
Belarus			
Bulgaria			
Croatia	145.6	190.7	105.3
Cyprus	233.6	312.5	146.1
Czech Republic			
Georgia	173.4	263.6	101.1
Israel	265.7	282.8	239.8
Italy (6 of 20 regions)	111.3	142.8	78.7
Latvia	93.4	132.3	65.2
Lithuania	98.7	147.1	63.7
Macedonia	192.2	235.6	142.8
Poland			
Portugal			
Russia			
Slovakia †	133.8	171.3	102.0
Spain			
Tunisia, Sfax region †	205.3	212.3	200.4
Turkey			
Ukraine			

Categories may not add up because of rounding off

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	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type 1		Type 2		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	82.2	100	13.6	16.6	12.9	15.7	4.9	6.0	1.0	1.3	15.4	18.7	16.4	20.0	9.4	11.5	1.0	1.3	8.4	10.2	15.4	18.7	0	0
Belarus	58.9	100	14.8	25.2	7.2	12.3	3.9	6.7	2.8	4.8	8.1	13.7	10.9	18.5	7.1	12.1	3.1	5.2	11.7	20.0	0.1	0.2	0	0
Bulgaria	135.0	100	19.0	14.1	11.4	8.4	11.7	8.7					36.2	26.8	20.0	14.8	15.3	11.4	15.1	11.2	4.4	3.2	2.0	1.5
Croatia	159.0	100	16.8	10.6	8.5	5.4	8.8	5.5	3.2	2.0	41.5	26.1	44.7	28.1	22.4	14.1	2.7	1.7	35.2	22.1	20.0	12.6	0	0
Cyprus	187.9	100	24.5	13.0	9.3	5.0	14.0	7.5	5.8	3.1	49.0	26.1	54.8	29.2	28.0	14.9	5.8	3.1	22.2	11.8	29.2	15.5	0	0
Czech Republic																								
Georgia	161.5	100	3.2	2.0	15.3	9.5	13.2	8.2	10.5	6.5	24.7	15.3	35.2	21.8	19.1	11.8	7.8	4.8	5.6	3.5	58.3	36.1	3.8	2.3
Israel	183.0	100	9.8	5.4	2.0	1.1	4.7	2.6	20.6	11.3	70.3	38.4	90.9	49.7	15.9	8.7	3.0	1.7	15.7	8.6	31.0	16.9	9.9	5.4
Italy (6 of 20 regions)	132.3	100	16.0	12.1	4.8	3.6	7.9	6.0					23.9	18.1	20.6	15.5	4.1	3.1	15.8	12.0	28.2	21.3	11.0	8.3
Latvia	100.0	100	14.1	14.1	10.9	10.9	9.0	9.0	3.2	3.2	11.5	11.5	14.7	14.7	15.4	15.4	1.3	1.3	21.8	21.8	12.8	12.8	0	0
Lithuania	103.9	100	8.7	8.3	17.3	16.7	11.8	11.3					17.0	16.3	31.5	30.3	1.4	1.3	13.9	13.3	2.4	2.3		
Macedonia	131.1	100	12.4	9.4	8.4	6.4	7.9	6.0	5.4	4.2	27.2	20.8	32.6	24.9	37.1	28.3	0	0	10.9	8.3	21.8	16.6	0	0
Poland																								
Portugal																								
Russia																								
Slovakia †	127.5	100	12.9	10.1	11.4	8.9	7.2	5.6					50.2	39.4	12.5	9.8	5.0	3.9	25.6	20.1	2.8	2.2	0	0
Spain																								
Tunisia, Sfax region † \$	143.4	100	20.6	14.4	25.6	17.8	6.6	4.6					43.7	30.5			4.1	2.9	0.8	0.6	42.0	29.3	0	0
Turkey																								
Ukraine	23.3	100	7.3	31.4	3.9	16.5	2.3	10.0	3.3	14.2	2.3	9.7	5.6	23.9	1.4	6.0			2.7	11.7	0.1	0.5	0	0

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

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

† Data include dialysis patients only

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

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	N	N
Albania	235	223	0	0	0	0	223	0	3	0	3	6	0	0	6	3
Belarus	481	425	0	0	1	9	435	5	38	0	43	0	3	0	3	0
Bulgaria	959	829	0	0	0	114	943	3	10	0	13	3	0	0	3	0
Croatia	597	489	0	0	0	51	540	1	43	0	44	5	8	0	13	0
Cyprus	161	96	0	0	0	24	120	9	26	0	35	6	0	0	6	0
Czech Republic																
Georgia	601	564	0	0	0	0	564	33	0	0	33	1	0	0	1	3
Israel	1564	1338	0	0	0	0	1338	42	90	0	132	77	4	13	94	0
Italy (6 of 20 regions)	2768	2024	5	2	17	241	2289	211	213	0	424	17	38	0	55	0
Latvia	156	121	0				121			29	29	1	5	0	6	0
Lithuania	300	285	0	0	0	0	285			13	13	2	0	0	2	0
Macedonia	265	259	0	0	0	0	259	0	5	0	5	1	0	0	1	0
Poland																
Portugal #	2297	2063	0	0	0	0	2063			209	209	25		0	25	0
Russia																
Slovakia †	693	232	0	0	0	445	677	7	9	0	16					0
Spain																
Tunisia, Sfax region †	174	162					162	7	5	0	12					0
Turkey																
Ukraine	992	622	0	0	0	160	782	12	198	0	210	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

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	Pmp	Pmp
Albania	82.2	78.0	0	0	0	0	78.0	0	1.0	0	1.0	2.1	0	0	2.1	1.0
Belarus	58.9	52.0	0	0	0.1	1.1	53.2	0.6	4.7	0	5.3	0	0.4	0	0.4	0
Bulgaria	135.0	116.7	0	0	0	16.1	132.8	0.4	1.4	0	1.8	0.4	0	0	0.4	0
Croatia	159.0	130.2	0	0	0	13.6	143.8	0.3	11.5	0	11.7	1.3	2.1	0	3.5	0
Cyprus	187.9	112.0	0	0	0	28.0	140.0	10.5	30.3	0	40.8	7.0	0	0	7.0	0
Czech Republic																
Georgia	161.5	151.6	0	0	0	0	151.6	8.9	0	0	8.9	0.3	0	0	0.3	0.8
Israel	183.0	156.6	0	0	0	0	156.6	4.9	10.5	0	15.4	9.0	0.5	1.5	11.0	0
Italy (6 of 20 regions)	132.3	96.7	0.2	0.1	0.8	11.5	109.4	10.1	10.2	0	20.3	0.8	1.8	0	2.6	0
Latvia	100.0	77.6	0				77.6			18.6	18.6	0.6	3.2	0	3.8	0
Lithuania	103.9	98.7	0	0	0	0	98.7			4.5	4.5	0.7	0	0	0.7	0
Macedonia	131.1	128.1	0	0	0	0	128.1	0	2.5	0	2.5	0.5	0	0	0.5	0
Poland																
Portugal #	221.8	199.2	0	0	0	0	199.2			20.2	20.2	2.4		0	2.4	0
Russia																
Slovakia †	127.5	42.7	0	0	0	81.9	124.6	1.3	1.7	0	2.9					0
Spain																
Tunisia, Sfax region †	143.4	133.5					133.5	5.8	4.1	0	9.9					0
Turkey																
Ukraine	23.3	14.6	0	0	0	3.8	18.4	0.3	4.6	0	4.9	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

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	94.9	0	0	0	0	94.9	0	1.3	0	1.3	2.6	0	0	2.6	1.3
Belarus	100	88.4	0	0	0.2	1.9	90.4	1.0	7.9	0	8.9	0	0.6	0	0.6	0
Bulgaria	100	86.4	0	0	0	11.9	98.3	0.3	1.0	0	1.4	0.3	0	0	0.3	0
Croatia	100	81.9	0	0	0	8.5	90.5	0.2	7.2	0	7.4	0.8	1.3	0	2.2	0
Cyprus	100	59.6	0	0	0	14.9	74.5	5.6	16.1	0	21.7	3.7	0	0	3.7	0
Czech Republic																
Georgia	100	93.8	0	0	0	0	93.8	5.5	0	0	5.5	0.2	0	0	0.2	0.5
Israel	100	85.5	0	0	0	0	85.5	2.7	5.8	0	8.4	4.9	0.3	0.8	6.0	0
Italy (6 of 20 regions)	100	73.1	0.2	0.1	0.6	8.7	82.7	7.6	7.7	0	15.3	0.6	1.4	0	2.0	0
Latvia	100	77.6	0				77.6			18.6	18.6	0.6	3.2	0	3.8	0
Lithuania	100	95.0	0	0	0	0	95.0			4.3	4.3	0.7	0	0	0.7	0
Macedonia	100	97.7	0	0	0	0	97.7	0	1.9	0	1.9	0.4	0	0	0.4	0
Poland																
Portugal #	100	89.8	0	0	0	0	89.8			9.1	9.1	1.1		0	1.1	0
Russia																
Slovakia †	100	33.5	0	0	0	64.2	97.7	1.0	1.3	0	2.3					0
Spain																
Tunisia, Sfax region †	100	93.1					93.1	4.0	2.9	0	6.9					0
Turkey																
Ukraine	100	62.7	0	0	0	16.1	78.8	1.2	20.0	0	21.2	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

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	1450	913	537	13	1	8	1	5	1	516	36	306	34	210	39	664	46	424	46	240	45	225	16	152	17	73	14	32	2	23	3	9	2
Belarus	2360	1276	1084	17	1	8	1	9	1	728	31	417	33	311	29	1137	48	619	49	518	48	369	16	181	14	188	17	109	5	51	4	58	5
Bulgaria	4333	2117	2216																														
Croatia	3908	2304	1604	14	0	9	0	5	0	304	8	180	8	124	8	1311	34	852	37	459	29	1068	27	650	28	418	26	1211	31	613	27	598	37
Cyprus																																	
Czech Republic ‡	11265			11	0					665	6					2322	21					2250	20					1491	13				
Georgia	2652	1743	909	22	1	11	1	11	1	337	13	209	12	128	14	1277	48	856	49	421	46	620	23	421	24	199	22	396	15	246	14	150	17
Israel †	6566	3997	2569	69	1	42	1	27	1	521	8	323	8	198	8	2127	32	1369	34	758	30	1803	27	1079	27	724	28	2046	31	1184	30	862	34
Italy (6 of 20 regions)	24035	15249	8786	372	2	222	1	150	2	3411	14	2141	14	1270	14	8696	36	5486	36	3210	37	5683	24	3720	24	1963	22	5873	24	3680	24	2193	25
Latvia	1038	547	491	11	1	8	1	3	1	214	21	123	22	91	19	472	45	245	45	227	46	215	21	111	20	104	21	126	12	60	11	66	13
Lithuania	2193																																
Macedonia	1665	989	676	10	1	5	1	5	1	248	15	148	15	100	15	822	49	506	51	316	47	366	22	195	20	171	25	219	13	135	14	84	12
Poland	31144																																
Portugal	19738	11452	8286																														
Russia	44544	24098	20446	707	2	380	2	327	2	12401	28	6804	28	5597	27	21653	49	11702	49	9951	49	7001	16	3737	16	3264	16	2782	6	1475	6	1307	6
Slovakia †	3370	1976	1394	4	0	2	0	2	0	316	9	182	9	134	10	1230	36	817	41	413	30	1131	34	642	32	489	35	689	20	333	17	356	26
Spain	57433	36323	21110	272	0	172	0	100	0	8031	14	4976	14	3055	14	22441	39	14379	40	8062	38	14114	25	9133	25	4981	24	12575	22	7663	21	4912	23
Tunisia, Sfax region †	946	527	419	7	1	4	1	3	1	201	21	128	24	73	17	368	39	210	40	158	38	181	19	103	20	78	19	189	20	82	16	107	26
Turkey //	74475	33527	26031	615	1	314	1	301	1	8525	7	4968	11	3557	14	24817	33	14760	44	10057	39	15443	21	8342	25	7101	27	10158	14	5143	15	5015	19
Ukraine #	8019	4537	3482	254	3					3001	37					3636	45					956	12				172	2					

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

When cells are left empty, the data are unavailable

‡ Data per age category include dialysis patients only (total N=6739)

† Data include dialysis patients only

// Data per age category is available for 59558 dialysis patients (total dialysis N=60195)

Data presented in the column 0-19 refer to patients aged 18-19 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	507.0	629.1	381.2	17.1	20.3	13.7	519.7	594.4	439.2	899.1	1163.8	641.3	1023.8	1395.8	658.4	214.1	331.9	112.2
Belarus	288.8	335.4	248.2	9.8	9.0	10.7	246.7	280.9	212.1	495.5	593.9	413.7	519.5	788.3	391.1	227.5	329.5	178.9
Bulgaria	610.1	613.6	606.8															
Croatia	1040.8	1271.7	825.5	18.6	23.3	13.6	250.6	292.0	207.8	1238.7	1646.4	848.6	2759.7	3821.3	1927.2	3540.9	5082.9	2701.0
Cyprus																		
Czech Republic ‡	1097.8			5.4			183.7			870.2			1895.1			2009.3		
Georgia	712.8	979.5	468.3	23.6	22.5	24.9	262.0	325.9	198.4	1318.0	1913.7	807.1	2240.7	3738.9	1212.7	1536.1	2760.9	889.2
Israel †	768.4	927.8	606.4	22.4	27.9	17.1	180.4	224.4	136.7	1317.7	1647.0	968.1	3329.0	3729.7	2869.6	4907.7	4836.6	5008.7
Italy (6 of 20 regions)	1148.9	1499.8	817.0	97.3	112.7	81.0	538.8	669.8	405.2	1426.5	1840.4	1030.5	2494.9	3465.4	1629.9	2453.7	3889.8	1515.1
Latvia	665.4	764.0	581.8	35.3	50.0	19.8	420.6	477.5	362.3	1098.7	1244.9	975.1	1364.2	1875.0	1056.9	824.6	1415.1	597.8
Lithuania	759.3																	
Macedonia	823.4	974.4	671.3	16.9	16.4	17.4	325.9	380.5	268.8	1802.6	2248.9	1368.0	2506.8	2867.6	2192.3	3220.6	4655.2	2153.8
Poland	811.8																	
Portugal	1905.6	2331.0	1521.8															
Russia	309.6	361.4	264.9	22.4	23.5	21.3	234.8	258.3	211.4	554.2	667.2	462.1	644.6	918.6	480.5	289.1	567.1	186.1
Slovakia †	620.1	745.4	500.7	2.8	2.8	2.9	151.1	170.6	130.9	874.2	1217.6	561.1	3259.4	4755.6	2306.6	3849.2	5946.4	2894.3
Spain	1233.6	1590.0	890.2	38.9	47.9	29.4	443.7	541.4	342.8	1752.2	2266.9	1247.2	3278.5	4525.8	2178.0	2888.8	4507.6	1851.5
Tunisia, Sfax region †	779.8	873.7	686.9	18.3	20.2	16.3	424.1	556.9	299.1	1425.1	1645.0	1210.1	3174.1	3710.9	2665.0	4487.2	4060.2	4880.5
Turkey //	933.1	837.3	654.5	24.0	24.0	24.1	168.8	238.9		1367.1	1617.2	1114.3	3773.0	4400.8	3231.5	3970.3	5023.4	3267.8
Ukraine	188.3	230.1	152.2	30.0			190.9			312.6			270.9			53.1		

*When cells are left empty, the data are unavailable**‡ Data per age category include dialysis patients only (total N=6739)**† Data include dialysis patients only**// Data per age category is available for 59558 dialysis patients (total dialysis N=60195)*

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

	All				Men				Women			
	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Albania	100	49.6	14.8	50.7	63.0	50.6	15.2	51.3	37.0	47.9	15.1	48.3
Belarus	100	51.6	14.4	53.0	54.1	50.8	14.1	51.0	45.9	52.5	14.7	55.0
Bulgaria	100				48.9				51.1			
Croatia	100	65.7	13.9	67.0	59.0	64.8	13.4	66.0	41.0	67.0	14.4	69.0
Cyprus												
Czech Republic												
Georgia	100	60.1	13.7	61.2	65.7	60.2	13.2	61.3	34.3	59.8	14.6	60.9
Israel †	100	66.0	15.3	68.0	60.9	65.6	15.3	67.2	39.1	66.6	15.3	69.1
Italy (6 of 20 regions)	100	62.0	16.8	64.1	63.4	62.1	16.6	64.3	36.6	61.9	17.1	63.8
Latvia	100	56.3	15.8	57.0	52.7	55.0	16.3	56.0	47.3	57.7	15.1	59.0
Lithuania												
Macedonia	100	58.6	13.9	60.0	59.4	58.2	13.9	59.0	40.6	59.1	13.9	61.0
Poland												
Portugal †	100	66.9	9.3	67.9	58.0				42.0			
Russia	100	55.5	14.1	57.0	54.1	54.5	14.2	56.0	45.9	56.6	13.8	58.0
Slovakia †	100	63.8	13.2	66.0	58.6	62.7	12.8	64.0	41.4	65.3	13.8	68.0
Spain	100	60.0	15.6	63.2	63.2	60.0	15.5	63.1	36.8	60.1	15.9	63.4
Tunisia, Sfax region †	100	58.2	16.4	59.0	55.7	56.5	16.3	58.0	44.3	60.4	16.6	62.0
Turkey	100				45.0				35.0			
Ukraine	100	49.5	13.7	51.0	56.6	49.5	13.6	50.0	43.4	49.6	13.8	51.0

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

When cells are left empty, the data are unavailable

† 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	501.0	622.0	373.0
Belarus			
Bulgaria			
Croatia	952.8	1135.8	793.9
Cyprus			
Czech Republic			
Georgia	867.3	1306.1	518.3
Israel †	1143.5	1162.6	1109.2
Italy (6 of 20 regions)	1017.0	1297.8	735.9
Latvia	634.0	767.4	536.9
Lithuania			
Macedonia	1104.4	1309.4	887.9
Poland			
Portugal			
Russia	312.4	388.5	260.6
Slovakia †	650.6	806.6	518.6
Spain	1151.6	1455.4	842.1
Tunisia, Sfax region †	1095.7	1173.6	1026.5
Turkey			
Ukraine			

*When cells are left empty, the data are unavailable**† Data include dialysis patients only*

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

	All		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type 1		Type 2		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	507.0	100	74.1	14.6	122.4	24.1	36.0	7.1	10.8	2.1	69.6	13.7	80.4	15.9	38.5	7.6	14.3	2.8	58.0	11.4	72.4	14.3	10.8	2.1
Belarus	288.8	100	129.3	44.8	24.4	8.4	29.5	10.2	15.8	5.5	20.3	7.0	36.1	12.5	17.0	5.9	5.4	1.9	45.5	15.8	0.6	0.2	1.0	0.3
Bulgaria																								
Croatia	1040.8	100	122.2	11.7	81.8	7.9	52.2	5.0	11.5	1.1	177.6	17.1	189.1	18.2	132.4	12.7	23.7	2.3	303.6	29.2	135.8	13.1	0	0
Cyprus																								
Czech Republic																								
Georgia	712.8	100	78.2	11.0	63.4	8.9	52.1	7.3	24.5	3.4	120.4	16.9	144.9	20.3	90.6	12.7	26.3	3.7	25.3	3.5	227.7	31.9	4.3	0.6
Israel †	768.4	100	72.0	9.4	20.9	2.7	29.0	3.8	129.0	16.8	226.2	29.4	355.2	46.2	76.5	10.0	18.5	2.4	83.9	10.9	109.3	14.2	3.0	0.4
Italy (6 of 20 regions)	1148.9	100	240.2	20.9	66.5	5.8	108.2	9.4					126.9	11.0	136.2	11.9	30.4	2.7	96.5	8.4	232.2	20.2	111.8	9.7
Latvia	665.4	100	204.5	30.7	95.5	14.4	87.2	13.1	28.8	4.3	34.0	5.1	62.8	9.4	76.9	11.6	1.9	0.3	89.7	13.5	46.8	7.0	0	0
Lithuania																								
Macedonia	823.4	100	143.4	17.4	75.2	9.1	80.6	9.8	16.8	2.0	118.2	14.4	135.0	16.4	204.7	24.9	1.5	0.2	76.7	9.3	106.3	12.9	0	0
Poland	811.8	100	75.2	9.3	38.7	4.8	41.9	5.2	26.8	3.3	133.0	16.4	159.8	19.7	61.2	7.5	33.8	4.2	49.9	6.1	64.6	8.0	286.7	35.3
Portugal + &	1212.2	100	147.3	12.2			72.3	6.0					331.6	27.4	162.7	13.4			227.1	18.7	218.0	18.0	53.2	4.4
Russia	309.6	100	142.8	46.1	29.1	9.4	30.8	10.0	19.0	6.1	18.1	5.9	37.1	12.0	15.7	5.1	3.6	1.2	41.3	13.3	9.3	3.0	0	0
Slovakia †	620.1	100	84.1	13.6	64.2	10.4	32.8	5.3					209.8	33.8	59.2	9.6	22.8	3.7	137.8	22.2	9.4	1.5	0	0
Spain ¶	1233.6	100	242.7	19.7	134.8	10.9	127.3	10.3					194.0	15.7	152.3	12.3			134.4	10.9	248.2	20.1		
Tunisia, Sfax region † \$	779.8	100	108.0	13.8	136.8	17.5	57.7	7.4					164.9	21.1			23.1	3.0	2.5	0.3	286.9	36.8	0	0
Turkey ‡	933.1	100	7.5	0.8	1.5	0.2	5.0	0.5	5.3	0.6	28.8	3.1	34.1	3.7	26.8	2.9	1.1	0.1	11.7	1.3	13.2	1.4	832.3	89.2
Ukraine +	188.3	100	79.4	42.2	26.9	14.3	19.7	10.5	20.8	11.0	9.3	4.9	30.1	16.0	9.5	5.1			18.7	9.9	0.4	0.2	3.5	1.9

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown
 When cells are left empty, the data are unavailable

† 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

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

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

‡ Data are available for 8043 of 74475 patients (10.8%)

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	
Albania	1450	1119	0	0	0	0	1119	47	0	0	47	191	46	14	251	33
Belarus	2360	1281	0	0	0	41	1322	17	100	0	117	55	858	8	921	0
Bulgaria	4333	3478	0	0	0	120	3598	50	99	0	149	104	464	18	586	0
Croatia	3908	1767	0	0	0	284	2051	51	105	0	156	18	1676	7	1701	0
Cyprus																
Czech Republic	11265	1595	0	0	5	4710	6310			429	429			4526	4526	0
Georgia	2652	2283	0	0	0	0	2283	116	2	0	118	245	0	2	247	4
Israel †	6566	6162	0	0	0	7	6169	189	208	0	397					0
Italy (6 of 20 regions)	24035	10024	39	129	158	3229	13579	854	838	0	1692	541	8223	0	8764	0
Latvia	1038	385	0				385			97	97			556	556	0
Lithuania	2193	1312	0	0	0	0	1312	27	22	0	49			832	832	0
Macedonia	1665	1432	1	0	0	0	1433	0	25	0	25	191	16	0	207	0
Poland	31144	19192	0				19192			952	952	50	978	9972	11000	0
Portugal	19738	304	0	0	4165	7367	11836	315	405	0	720	641	6541	0	7182	0
Russia	44544	33671	0	0	0	0	33671	0	2336	0	2336	1264	5739	1534	8537	0
Slovakia †	3370	888	0	0	2	2405	3295	46	29	0	75					0
Spain	57433			24210			24210			3130	3130			30093	30093	0
Tunisia, Sfax region	1111	897					897	15	27	0	42	139	31	2	172	0
Turkey	74475	53721	364	550	8	2044	56687	1076	2432	0	3508			14280	14280	0
Ukraine	8019	4746	0	0	0	1191	5937	77	838	0	915	759	282	126	1167	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

† 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	507.0	391.2	0	0	0	0	391.2	16.4	0	0	16.4	66.8	16.1	4.9	87.8	11.5
Belarus	288.8	156.8	0	0	0	5.0	161.8	2.1	12.2	0	14.3	6.7	105.0	1.0	112.7	0
Bulgaria	610.1	489.7	0	0	0	16.9	506.6	7.0	13.9	0	21.0	14.6	65.3	2.5	82.5	0
Croatia	1040.8	470.6	0	0	0	75.6	546.2	13.6	28.0	0	41.5	4.8	446.4	1.9	453.0	0
Cyprus																
Czech Republic	1097.8	155.4	0	0	0.5	459.0	614.9			41.8	41.8			441.1	441.1	0
Georgia	712.8	613.6	0	0	0	0	613.6	31.2	0.5	0	31.7	65.9	0	0.5	66.4	1.1
Israel †	768.4	721.1	0	0	0	0.8	722.0	22.1	24.3	0	46.5					0
Italy (6 of 20 regions)	1148.9	479.1	1.9	6.2	7.6	154.3	649.1	40.8	40.1	0	80.9	25.9	393.1	0	418.9	0
Latvia	665.4	246.8	0				246.8			62.2	62.2			356.4	356.4	0
Lithuania	759.3	454.3	0	0	0	0	454.3	9.3	7.6	0	17.0			288.1	288.1	0
Macedonia	823.4	708.2	0.5	0	0	0	708.7	0	12.4	0	12.4	94.5	7.9	0	102.4	0
Poland	811.8	500.3	0				500.3			24.8	24.8	1.3	25.5	259.9	286.7	0
Portugal	1905.6	29.3	0	0	402.1	711.2	1142.7	30.4	39.1	0	69.5	61.9	631.5	0	693.4	0
Russia	309.6	234.0	0	0	0	0	234.0	0	16.2	0	16.2	8.8	39.9	10.7	59.3	0
Slovakia †	620.1	163.4	0	0	0.4	442.5	606.3	8.5	5.3	0	13.8					0
Spain	1233.6			520.0			520.0			67.2	67.2			646.4	646.4	0
Tunisia, Sfax region	915.8	739.4					739.4	12.4	22.3	0	34.6	114.6	25.6	1.6	141.8	0
Turkey	933.1	673.1	4.6	6.9	0.1	25.6	710.2	13.5	30.5	0	44.0			178.9	178.9	0
Ukraine	188.3	111.4	0	0	0	28.0	139.4	1.8	19.7	0	21.5	17.8	6.6	3.0	27.4	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
Categories may not add up because of rounding off
When cells are left empty, the data are unavailable
† 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	77.2	0	0	0	0	77.2	3.2	0	0	3.2	13.2	3.2	1.0	17.3	2.3
Belarus	100	54.3	0	0	0	1.7	56.0	0.7	4.2	0	5.0	2.3	36.4	0.3	39.0	0
Bulgaria	100	80.3	0	0	0	2.8	83.0	1.2	2.3	0	3.4	2.4	10.7	0.4	13.5	0
Croatia	100	45.2	0	0	0	7.3	52.5	1.3	2.7	0	4.0	0.5	42.9	0.2	43.5	0
Cyprus	100															
Czech Republic	100	14.2	0	0	0	41.8	56.0			3.8	3.8			40.2	40.2	0
Georgia	100	86.1	0	0	0	0	86.1	4.4	0.1	0	4.4	9.2	0	0.1	9.3	0.2
Israel †	100	93.8	0	0	0	0.1	94.0	2.9	3.2	0	6.0					0
Italy (6 of 20 regions)	100	41.7	0.2	0.5	0.7	13.4	56.5	3.6	3.5	0	7.0	2.3	34.2	0	36.5	0
Latvia	100	37.1	0				37.1			9.3	9.3			53.6	53.6	0
Lithuania	100	59.8	0	0	0	0	59.8	1.2	1.0	0	2.2			37.9	37.9	0
Macedonia	100	86.0	0.1	0	0	0	86.1	0	1.5	0	1.5	11.5	1.0	0	12.4	0
Poland	100	61.6	0				61.6			3.1	3.1	0.2	3.1	32.0	35.3	0
Portugal	100	1.5	0	0	21.1	37.3	60.0	1.6	2.1	0	3.6	3.2	33.1	0	36.4	0
Russia	100	75.6	0	0	0	0	75.6	0	5.2	0	5.2	2.8	12.9	3.4	19.2	0
Slovakia †	100	26.4	0	0	0.1	71.4	97.8	1.4	0.9	0	2.2					0
Spain	100			42.2			42.2			5.4	5.4			52.4	52.4	0
Tunisia, Sfax region	100	80.7					80.7	1.4	2.4	0	3.8	12.5	2.8	0.2	15.5	0
Turkey	100	72.1	0.5	0.7	0	2.7	76.1	1.4	3.3	0	4.7			19.2	19.2	0
Ukraine	100	59.2	0	0	0	14.9	74.0	1.0	10.5	0	11.4	9.5	3.5	1.6	14.6	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant
 Categories may not add up because of rounding off
 When cells are left empty, the data are unavailable
 † 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	17	100	15	88.2	0	0	0	0	15	88.2	2	11.8	0	0
Belarus	240	100	9	3.8	1	0.4	0	0	10	4.2	230	95.8	0	0
Bulgaria	37	100	11	29.7	0	0	0	0	11	29.7	26	70.3	0	0
Croatia	182	100	7	3.8	0	0	0	0	7	3.8	175	96.2	0	0
Cyprus	19	100	15	78.9	0	0	0	0	15	78.9	4	21.1	0	0
Czech Republic	458	100					46	10.0	46	10.0	412	90.0	0	0
Georgia	26	100	25	96.2	0	0	1	3.8	26	100	0	0	0	0
Israel	388	100					223	57.5	223	57.5	131	33.8	34	8.8
Italy (6 of 20 regions)	819	100	26	3.2	15	1.8	20	2.4	61	7.4	758	92.6	0	0
Latvia	53	100	4	7.5	5	9.4	0	0	9	17.0	44	83.0	0	0
Lithuania	109	100	4	3.7	2	1.8	0	0	6	5.5	103	94.5	0	0
Macedonia	7	100	7	100	0	0	0	0	7	100	0	0	0	0
Poland	1028	100	50	4.9	0	0	0	0	50	4.9	978	95.1	0	0
Portugal	513	100					65	12.7	65	12.7	448	87.3	0	0
Russia	1084	100	232	21.4	0	0	0	0	232	21.4	852	78.6	0	0
Slovakia +	143	100	14	9.8	5	3.5	0	0	19	13.3	124	86.7	0	0
Spain □	2997	100					343	11.4	343	11.4	2654	88.6	0	0
Tunisia, Sfax region	8	100	6	75.0	0	0	0	0	6	75.0	2	25.0	0	0
Turkey	3416	100	1647	48.2	990	29.0	0	0	2637	77.2	779	22.8	0	0
Ukraine	131	100	93	71.0	4	3.1	0	0	97	74.0	18	13.7	16	12.2

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

+ Data from: Slovak Centre of Organ Transplantation

□ Data from: Organización Nacional de Trasplantes (ONT), 2016 from total Spanish population

Table C.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	Pmp		
Albania	5.9	5.2	0	0	5.2	0.7	0
Belarus	29.4	1.1	0.1	0	1.2	28.1	0
Bulgaria	5.2	1.5	0	0	1.5	3.7	0
Croatia	48.5	1.9	0	0	1.9	46.6	0
Cyprus	22.2	17.5	0	0	17.5	4.7	0
Czech Republic	44.6			4.5	4.5	40.1	0
Georgia	7.0	6.7	0	0.3	7.0	0	0
Israel	45.4			26.1	26.1	15.3	4.0
Italy (6 of 20 regions)	39.1	1.2	0.7	1.0	2.9	36.2	0
Latvia	34.0	2.6	3.2	0	5.8	28.2	0
Lithuania	37.7	1.4	0.7	0	2.1	35.7	0
Macedonia	3.5	3.5	0	0	3.5	0	0
Poland	26.8	1.3	0	0	1.3	25.5	0
Portugal	49.5			6.3	6.3	43.3	0
Russia	7.5	1.6	0	0	1.6	5.9	0
Slovakia +	26.3	2.6	0.9	0	3.5	22.8	0
Spain □	64.4			7.4	7.4	57.0	0
Tunisia, Sfax region	6.6	4.9	0	0	4.9	1.6	0
Turkey	42.8	20.6	12.4	0	33.0	9.8	0
Ukraine	3.1	2.2	0.1	0	2.3	0.4	0.4

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

+ Data from: Slovak Centre of Organ Transplantation

□ Data from: Organización Nacional de Trasplantes (ONT), 2016 from total Spanish population

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 25 registries from 16 countries that provided individual patient data on children via the ERA-EDTA Registry, including Austria, Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (community of Madrid), Spain (region of Murcia), Spain (Valencian region), Sweden, Switzerland, the Netherlands, and United Kingdom (Scotland). In the analyses the data collected between 2011 and 2016 were used. As not all countries provided data over the complete period and to allow for comparison over the years, data are shown both including and excluding the data from Estonia, Serbia, Spain (region of Murcia), and Switzerland. 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
2011	19159	4858	4720	4588	4993
2012	19143	4833	4786	4609	4915
2013	19083	4768	4851	4624	4840
2014	19018	4669	4912	4659	4778
2015	18903	4603	4903	4675	4722
2016	18962	4552	4931	4738	4741
2011 *	43069	10733	10752	10625	10959
2012 *	43775	10913	10946	10855	11061
2013 *	44013	10864	11140	10985	11024
2014 *	43936	10697	11230	11027	10982
2015 *	45456	10976	11644	11425	11411
2016 *	46748	11152	11969	11800	11827
2011-2016 *	266997	65335	67681	66717	67264

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

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
2011-2012	340	93	47	81	119
2013-2014	313	66	57	76	114
2015-2016	342	69	44	89	140
2011-2012 *	693	163	87	159	284
2013-2014 *	683	132	107	168	276
2015-2016 *	774	159	101	195	319
2011-2016 *	2150	454	295	522	879

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

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
2011-2012	147	116	77	24	63	6	12	13	22	31	20	30	80	20	19
2013-2014	137	96	79	13	46	7	21	13	23	37	15	24	66	22	25
2015-2016	159	87	96	20	39	10	22	9	13	33	17	39	84	22	34
2011-2012 *	338	187	158	47	99	16	31	20	34	73	32	52	187	36	56
2013-2014 *	344	172	159	28	81	20	46	28	33	90	27	48	180	36	58
2015-2016 *	398	177	195	57	84	17	48	20	33	95	28	69	198	45	76
2011-2016 * †	1080	536	512	132	264	53	125	68	100	258	87	169	565	117	190

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

† For 22 patients information on treatment modality at start was unavailable

Table D.2.3
Incident counts by age and primary renal disease
between 2011 and 2016, at day 1

	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	650	162	105	177	206
Glomerulonephritis	388	69	48	76	195
Cystic kidney disease	206	43	47	65	51
Hereditary Nephropathy	176	66	18	34	58
Ischaemic Renal Failure	32	8	3	8	13
HUS	60	15	8	9	28
Metabolic disorders	44	8	8	16	12
Vasculitis	43	1		11	31
Miscellaneous	211	40	17	41	113
Missing, unknown	340	42	41	85	172

Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

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
2011-2012	8.9	9.6	4.9	8.8	12.0
2013-2014	8.2	7.0	5.8	8.2	11.9
2015-2016	9.0	7.5	4.5	9.5	14.8
2011-2012 *	8.0	7.5	4.0	7.4	12.9
2013-2014 *	7.8	6.1	4.8	7.6	12.5
2015-2016 *	8.4	7.2	4.3	8.4	13.7
2011-2016 *	8.1	6.9	4.4	7.8	13.1

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

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
2011-2012	3.8	3.0	2.0	2.5	6.5	0.6	1.3	1.4	2.3	3.4	2.2	3.3	8.1	2.0	1.9
2013-2014	3.6	2.5	2.1	1.4	4.9	0.7	2.2	1.3	2.4	4.0	1.6	2.6	6.9	2.3	2.6
2015-2016	4.2	2.3	2.5	2.2	4.3	1.1	2.2	0.9	1.3	3.5	1.8	4.1	8.9	2.3	3.6
2011-2012 *	3.9	2.2	1.8	2.2	4.6	0.7	1.4	0.9	1.6	3.4	1.5	2.4	8.5	1.6	2.5
2013-2014 *	3.9	2.0	1.8	1.3	3.8	0.9	2.1	1.3	1.5	4.1	1.2	2.2	8.2	1.6	2.6
2015-2016 *	4.3	1.9	2.1	2.6	3.8	0.8	2.0	0.8	1.4	4.1	1.2	3.0	8.5	1.9	3.3
2011-2016 * †	4.0	2.0	1.9	2.0	4.0	0.8	1.8	1.0	1.5	3.9	1.3	2.5	8.4	1.7	2.8

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

† For 22 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 2011 and 2016, at day 1

	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	2.4	2.5	1.6	2.7	3.1
Glomerulonephritis	1.5	1.1	0.7	1.1	2.9
Cystic kidney disease	0.8	0.7	0.7	1.0	0.8
Hereditary Nephropathy	0.7	1.0	0.3	0.5	0.9
Ischaemic Renal Failure	0.1	0.1	0.0	0.1	0.2
HUS	0.2	0.2	0.1	0.1	0.4
Metabolic disorders	0.2	0.1	0.1	0.2	0.2
Vasculitis	0.2	0.0		0.2	0.5
Miscellaneous	0.8	0.6	0.3	0.6	1.7
Missing, unknown	1.3	0.6	0.6	1.3	2.6

Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

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
2011	1255	136	201	338	580
2012	1251	128	218	341	564
2013	1235	111	227	339	558
2014	1240	117	231	339	553
2015	1257	112	242	349	554
2016	1291	107	232	357	595
2011 *	2507	230	390	659	1228
2012 *	2502	218	413	669	1202
2013 *	2512	201	420	692	1199
2014 *	2501	199	440	691	1171
2015 *	2538	210	447	708	1173
2016 *	2744	217	483	743	1301

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

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
2011	160	113	967	26	53	57	13	19	167	30	16	289	91	25	454
2012	153	116	967	23	54	50	15	16	184	30	17	292	85	29	441
2013	153	93	973	19	30	60	20	15	190	33	16	286	81	32	437
2014	128	92	1007	17	38	61	14	16	200	28	12	294	69	26	452
2015	130	88	1025	15	31	66	28	18	194	28	15	299	59	24	466
2016	132	96	1044	16	28	63	25	17	187	23	24	301	68	27	493
2011 *	382	195	1872	45	76	104	33	33	313	71	35	543	233	51	912
2012 *	373	201	1878	43	81	89	42	33	330	70	38	552	218	49	907
2013 *	401	185	1884	42	63	90	45	34	336	81	36	565	233	52	893
2014 *	379	180	1909	36	65	94	46	37	352	84	27	571	213	51	892
2015 *	386	182	1945	40	70	99	61	36	346	95	27	577	190	49	923
2016 *	397	207	2121	48	74	95	64	32	384	84	43	607	201	58	1035

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

Table D.3.3

Prevalent counts by age and primary renal disease
prevalent patients on December 31, 2016

	All	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	937	71	180	258	428
Glomerulonephritis	414	39	60	99	216
Cystic kidney disease	280	22	52	87	119
Hereditary Nephropathy	271	38	54	72	107
Ischaemic Renal Failure	53	3	12	15	23
HUS	94	3	17	27	47
Metabolic disorders	67	5	16	20	26
Vasculitis	23	0	1	5	17
Miscellaneous	295	19	47	84	145
Missing, unknown	310	17	44	76	173

Including data from Romania (coverage 97.8% in 2016) and the Netherlands (coverage 96% in 2016)

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
2011	65.5	28.0	42.6	73.7	116.2
2012	65.4	26.5	45.5	74.0	114.8
2013	64.7	23.3	46.8	73.3	115.3
2014	65.2	25.1	47.0	72.8	115.7
2015	66.5	24.3	49.4	74.6	117.3
2016	68.1	23.5	47.0	75.3	125.5
2011 *	58.2	21.4	36.3	62.0	112.1
2012 *	57.2	20.0	37.7	61.6	108.7
2013 *	57.1	18.5	37.7	63.0	108.8
2014 *	56.9	18.6	39.2	62.7	106.6
2015 *	55.8	19.1	38.4	62.0	102.8
2016 *	58.7	19.5	40.4	63.0	110.0

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

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
2011	8.4	5.9	50.5	5.4	10.9	11.7	2.8	4.0	35.4	6.5	3.5	63.0	18.2	5.0	90.9
2012	8.0	6.1	50.5	4.8	11.2	10.3	3.1	3.3	38.4	6.5	3.7	63.4	17.3	5.9	89.7
2013	8.0	4.9	51.0	4.0	6.3	12.6	4.1	3.1	39.2	7.1	3.5	61.9	16.7	6.6	90.3
2014	6.7	4.8	53.0	3.6	8.1	13.1	2.9	3.3	40.7	6.0	2.6	63.1	14.4	5.4	94.6
2015	6.9	4.7	54.2	3.3	6.7	14.3	5.7	3.7	39.6	6.0	3.2	64.0	12.5	5.1	98.7
2016	7.0	5.1	55.1	3.5	6.2	13.8	5.1	3.4	37.9	4.9	5.1	63.5	14.3	5.7	104.0
2011 *	8.9	4.5	43.5	4.2	7.1	9.7	3.1	3.1	29.1	6.7	3.3	51.1	21.3	4.7	83.2
2012 *	8.5	4.6	42.9	3.9	7.4	8.2	3.8	3.0	30.1	6.4	3.5	50.9	19.7	4.4	82.0
2013 *	9.1	4.2	42.8	3.9	5.8	8.3	4.0	3.1	30.2	7.4	3.3	51.4	21.1	4.7	81.0
2014 *	8.6	4.1	43.4	3.4	6.1	8.8	4.1	3.3	31.3	7.6	2.4	51.8	19.4	4.6	81.2
2015 *	8.5	4.0	42.8	3.6	6.4	9.0	5.2	3.1	29.7	8.3	2.4	50.5	16.7	4.3	80.9
2016 *	8.5	4.4	45.4	4.3	6.6	8.5	5.3	2.7	32.1	7.1	3.6	51.4	17.0	4.9	87.5

* Including data from Estonia since 2013, France (coverage ranging from 99.4% in 2011 to 100% from 2012 onwards), Romania (coverage from 100% in 2011 to 97.8% in 2016), Serbia since 2016, Spain (region of Murcia) since 2012, Switzerland (coverage 99.9% in 2015 and 100% in 2016) since 2016, and the Netherlands (coverage 100% prior to 2016 and 96% in 2016)

Table D.3.6
Prevalence per million age-related population by age and primary renal disease
prevalent patients on December 31, 2016

	All	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	20.0	6.4	15.0	21.9	36.2
Glomerulonephritis	8.9	3.5	5.0	8.4	18.3
Cystic kidney disease	6.0	2.0	4.3	7.4	10.1
Hereditary Nephropathy	5.8	3.4	4.5	6.1	9.0
Ischaemic Renal Failure	1.1	0.3	1.0	1.3	1.9
HUS	2.0	0.3	1.4	2.3	4.0
Metabolic disorders	1.4	0.4	1.3	1.7	2.2
Vasculitis	0.5		0.1	0.4	1.4
Miscellaneous	6.3	1.7	3.9	7.1	12.3
Missing, unknown	6.6	1.5	3.7	6.4	14.6

Including data from Romania (coverage 97.8% in 2016) and the Netherlands (coverage 96% in 2016)

Methods

VI Methods

The ERA-EDTA Registry is located at the Department of Medical Informatics in the Amsterdam University Medical center, 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 September 2016.

Data collection and preparation

Individual patient data

Data collection

On an annual basis data sets containing individual patient data are sent 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
Date 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 32 national and regional registries in 17 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. Minor differences between the numbers reported by the UK Renal Registry and this annual report may occur because the prevalence as reported in the UK Renal Registry Report is based on quarterly data returns, whereas the prevalence as reported in this annual report is based on data derived from the treatment modality timeline.

The data on Spain presented in Section B of this report are based on separate data sets received from 14 of 19 regions: Andalusia, Aragon, Asturias, Basque country, Cantabria, Castile and León, Castile-La Mancha, Catalonia, Extremadura, Galicia, Community of Madrid, Region of 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 2017. For the following registries data were only available until 31st December 2016: Estonia, France, Serbia, Spain (Asturias), Spain (Catalonia), Spain (Galicia), 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 unifies 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 analysing the data, the results were compared to the annual reports published by the national and regional registries as a first check for errors. In the case of discrepancies the registry was contacted and potential problems regarding (the interpretation of) their 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], the national bureau of statistics or the national or regional registry. The sources of the population data used for the analyses in Section B are shown in Table 2.

Reference population

In this year's Annual Report, the age and sex distribution of the EU27 of 2010 as provided by Eurostat [1] was used for the adjustment of incidence rates and prevalence for age and sex. The age and sex distribution of EU27 in 2010 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 2016
Austria	http://www.statistik.at/
Belgium, Dutch-speaking	http://ec.europa.eu/eurostat/
Belgium, French-speaking	http://ec.europa.eu/eurostat/
Bosnia and Herzegovina	http://www.popis2013.ba/
Denmark	http://ec.europa.eu/eurostat/
Greenland	http://www.stat.gl/
Estonia	http://ec.europa.eu/eurostat/
Finland	http://ec.europa.eu/eurostat/
France	http://ec.europa.eu/eurostat/
Greece	http://ec.europa.eu/eurostat/
Iceland	http://ec.europa.eu/eurostat/
Norway	http://ec.europa.eu/eurostat/
Romania	http://ec.europa.eu/eurostat/
Serbia	http://ec.europa.eu/eurostat/
Spain, Andalusia	http://www.ine.es/
Spain, Aragon	http://www.ine.es/
Spain, Asturias	http://www.ine.es/
Spain, Basque country	http://www.ine.es/
Spain, Cantabria	http://www.ine.es/
Spain, Castile and León	http://www.ine.es/
Spain, Castile-La Mancha	http://www.ine.es/
Spain, Catalonia	http://www.ine.es/
Spain, Extremadura	http://www.ine.es/
Spain, Galicia	http://www.ine.es/
Spain, Community of Madrid	http://www.ine.es/
Spain, Region of Murcia	http://www.ine.es/
Spain, Navarre	http://www.ine.es/
Spain, Valencian region	http://www.ine.es/
Sweden	http://ec.europa.eu/eurostat/
Switzerland	http://ec.europa.eu/eurostat/
the Netherlands	http://ec.europa.eu/eurostat/
United Kingdom, England/Northern Ireland/Wales	http://www.ons.gov.uk/
United Kingdom, Scotland	http://www.ons.gov.uk/

Table 3: The age and sex distribution of the reference population EU27 (2010)

Age groups	All	Men	Women
	N	N	N
0-4	26,395,042	13,538,482	12,856,560
5-9	25,671,423	13,164,757	12,506,666
10-14	26,227,258	13,447,626	12,779,632
15-19	28,871,932	14,799,902	14,072,030
20-24	31,748,967	16,165,507	15,583,460
25-29	33,637,765	17,036,136	16,601,629
30-34	34,721,373	17,582,565	17,138,808
35-39	36,330,818	18,323,844	18,006,974
40-44	37,936,179	19,089,702	18,846,477
45-49	36,959,424	18,442,336	18,517,088
50-54	34,559,527	17,057,371	17,502,156
55-59	32,008,654	15,585,644	16,423,010
60-64	28,943,516	13,927,064	15,016,452
65-69	24,005,279	11,254,363	12,750,916
70-74	21,947,335	9,832,684	12,114,651
75-79	17,793,563	7,435,782	10,357,781
80-84	12,919,229	4,816,223	8,103,006
85+	10,407,098	3,110,189	7,296,909
Total	501,084,382	244,610,177	256,474,205

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 20 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, Bulgaria, Croatia, Cyprus, Czech Republic, Georgia, Israel, Italy, Latvia, Lithuania, Macedonia, Poland, Portugal, Russia, Slovakia, Spain, Tunisia (Sfax region), Turkey, and Ukraine.

Data from Italy are based on six of the 20 regions: Calabria, Emilia-Romagna, Liguria, Piedmont, Puglia, and Veneto.

Data loading and cleaning

The Microsoft Excel templates used for data collection included automated consistency checks. Additional checks were performed manually.

General population data

The population data needed for the calculation of incidence rates and prevalence Pmp were reported by the collaborating registries.

Reference population

As in Section B, we used the age and sex distribution of the EU27 of 2010 (see Table 3) as provided by Eurostat [1] for the adjustment of the incidence rates and prevalence.

Coding systems

Primary renal disease

Renal diseases were defined according to both the old and new (2012) ERA-EDTA coding systems and subsequently classified into groups (Appendix 1 and 2). When the 2012 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.

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 (presented as "Individual data"), for all registries providing aggregated data (presented as "Aggregated data") and for all registries combined (presented as "All countries"). 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 32 data sets from national or regional registries from 17 countries that provided individual patient data for 2016, including Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), Spain (Region of 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 rate 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 rate 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 rate 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, 2017, 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 2016, when compared to patients who started RRT in the last three months of 2016.

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 rate and prevalence across countries might be due to the differences in the age and sex distribution of the general population. The EU27 age and sex distribution of the European population (Table 3) was therefore used to adjust incidence rates 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), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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:

- 2007-2011 - for the presentation of 90-day, one-, two- and five-year survival probabilities.
- 2010-2014 - for the presentation of 90-day, one- and two-year survival probabilities.

31st December 2016 was applied as censoring date for all survival analyses. 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.

For Figure B.6.4 the Fine and Gray competing risks method (cause-specific cumulative incidence method) [4,5] was used to estimate the adjusted cumulative probability of death in 5 years for patients starting dialysis, taking into account that these patients can experience a competing event, i.e. a kidney transplantation. This method was also used to estimate the adjusted cumulative probability of receiving a kidney transplant (competing event) and the adjusted cumulative probability of remaining on dialysis (event free).

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
Patients on dialysis	67 years	63% men	46% Other causes
			24% Diabetes
			19% Hypertension / renal vascular disease
First transplant recipients (deceased donor)	50 years	63% men	11% Glomerulonephritis
			46% Other causes
			14% Diabetes
First transplant recipients (living donor)	50 years	63% men	10% Hypertension / renal vascular disease
			23% Glomerulonephritis
			53% Other causes
			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. [6], 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)[7].

In order to calculate expected remaining lifetimes we used data from registries providing complete follow-up data for the period from 2012 to 2016. 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), 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 (Extremadura), Spain (Galicia), Spain (Community of Madrid), 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 death rates Pmp by sex and age of the general population of the contributing countries were provided by Eurostat [1] (based on the EU27 in 2010). 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 to calculate the adjusted incidence rate and prevalence 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 25 national or regional registries from 16 countries that provided complete individual patient data in their paediatric population for 2011 to 2016, including Austria, Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (community of Madrid), Spain (region of Murcia), Spain (Valencian region), Sweden, Switzerland, the Netherlands, and United Kingdom (Scotland). For France the coverage of the general population by the registry increased from 99.4% in 2011 to 100% from 2012 onwards. For Romania the coverage decreased from 100% in 2011 to 97.8% in 2016, and for the Netherlands the coverage decreased from 100% in 2011-2015 to 96% in 2016. Spain (Region of Murcia) provided data since 2012, Estonia since 2013, Switzerland (coverage 99.9%) since 2015, and Serbia since 2016. 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 2011 and 2016. The cohorts 2011-2012, 2013-2014 and 2015-2016 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 2015 plus the total population in 2016) 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 2011 to 2016 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, 2016.

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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 2012

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
1320	Focal segmental glomerulosclerosis (FSGS) secondary to obesity - histologically proven
1312	Focal segmental glomerulosclerosis (FSGS) secondary to obesity - no histology
1377	Glomerulonephritis - histologically indeterminate
3749	Glomerulonephritis - no histology
1365	Glomerulonephritis - secondary to other 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
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
2014	Drug-induced tubulointerstitial nephritis - histologically proven
2005	Drug-induced tubulointerstitial nephritis - no histology
1641	Dysplasia due to fetal ACE-inhibitor exposure
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
1747	Renal papillary necrosis - cause unknown
1976	Renal sarcoidosis - histologically proven
1969	Renal sarcoidosis - no histology
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

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

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: SYSTEMIC DISEASE AFFECTING THE KIDNEY**Code Primary renal disease**

2513	AA amyloid secondary to chronic inflammation
2392	Ageing kidney - no histology
2521	AL amyloid secondary to plasma cell dyscrasia
2448	Atheroembolic renal disease - histologically proven
2430	Atheroembolic renal disease - no histology
2623	Atypical haemolytic uraemic syndrome (HUS) - diarrhoea negative
2482	Cardiorenal syndrome
2363	Chronic hypertensive nephropathy - histologically proven
2359	Chronic hypertensive nephropathy - no histology
2652	Congenital haemolytic uraemic syndrome (HUS)
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
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)
2453	Fibromuscular dysplasia of renal artery
2610	Haemolytic uraemic syndrome (HUS) - diarrhoea associated
2647	Haemolytic uraemic syndrome (HUS) secondary to systemic disease
2495	Hepatorenal syndrome
2606	Immunotactoid / fibrillary nephropathy
2407	Ischaemic nephropathy - no histology
2411	Ischaemic nephropathy / microvascular disease - histologically proven
2597	Light chain deposition disease
2385	Malignant hypertensive nephropathy / accelerated hypertension nephropathy - histologically proven
2371	Malignant hypertensive nephropathy / accelerated hypertension nephropathy - no histology
2584	Myeloma cast nephropathy - histologically proven
2578	Myeloma kidney - no histology
2681	Nephropathy due to pre-eclampsia / eclampsia
2509	Renal amyloidosis
2469	Renal arterial thrombosis / occlusion
2424	Renal artery stenosis
2476	Renal vein thrombosis
2702	Sickle cell nephropathy - histologically proven
2699	Sickle cell nephropathy - no histology
2634	Thrombotic thrombocytopenic purpura (TTP)

IV: 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

IV: FAMILIAL / HEREDITARY NEPHROPATHIES (continued)**Code Primary renal disease**

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
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

V: 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

V: MISCELLANEOUS RENAL DISORDERS (continued)**Code Primary renal disease**

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
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 Event code

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	+	-	-	-	+
Bulgaria	-	-	-	+	-
Croatia	-	-	-	+	-
Cyprus	-	-	-	+	-
Czech Republic	-	-	-	+	-
Denmark	+	+	+	-	+
Estonia	+	-	-	-	+
Finland	+	+	+	-	+
France	+	+	+	-	+
Georgia	-	-	-	+	-
Greece	+	+	+	-	+
Iceland	+	+	+	-	+
Israel	-	-	-	+	-
Italy (6 of 20 regions)	-	-	-	+	-
Latvia	-	-	-	+	-
Lithuania	-	-	-	+	-
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, Extremadura	+	+	+	+	+
Spain, Galicia	+	+	+	+	+
Spain, Melilla	-	-	-	+	-
Spain, Community of Madrid	+	+	+	+	+
Spain, Region of Murcia	+	-	-	+	+
Spain, Navarre	+	-	-	+	-
Spain, La Rioja	-	-	-	+	-
Spain, Valencian region	+	+	+	+	+
Sweden	+	+	+	-	+
Switzerland	+	-	-	-	+
the Netherlands	+	+	+	-	+
Tunisia, Sfax region	-	-	-	+	-
Turkey	-	-	-	+	-
Ukraine	-	-	-	+	-
United Kingdom, England	+	+	+	-	-
United Kingdom, Northern Ireland	+	+	+	-	-
United Kingdom, Scotland	+	+	+	-	+
United Kingdom, Wales	+	+	+	-	-

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