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ERA-EDTA Registry

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ERA-EDTA Registry
Annual Report 2014

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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	Count
Oth	Other
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 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 (2014).

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 (ADP), continuous ambulatory peritoneal dialysis (CAPD), and renal transplantation (Tx). Renal 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 at 31st December 2014.

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 renal 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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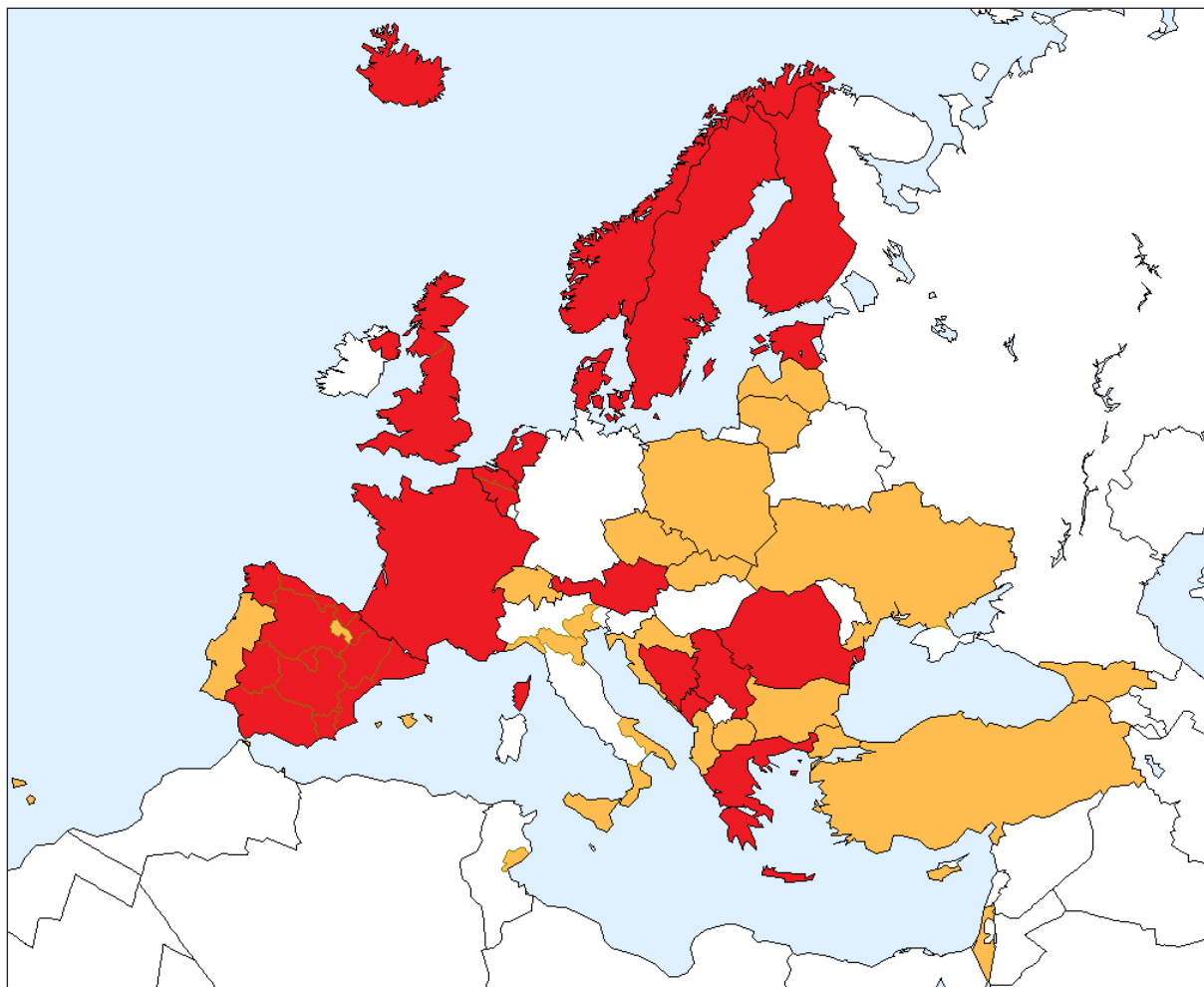
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Introduction

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registries contributing individual patient data
 registries contributing aggregated data

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IL	Israel	UA	Ukraine																																																																		
IS	Iceland	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 2014 Annual Report data sets from 51 national or regional renal registries in 35 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 19 national registries from 19 countries providing aggregated data (shown in orange in Figure 1).

Chapter 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 survival and expected remaining lifetimes from registries providing individual patient data, while Section C covers data on the incidence and prevalence 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, we present figures summarizing the data from all participating national and regional registries (Section A). In addition, for the first time Montenegro and the Spanish region of Navarre provided individual patient data for Section B of this report.

ERA-EDTA Registry website

The ERA-EDTA annual reports and other information about the Registry can be downloaded from the ERA-EDTA Registry website: www.era-edta-reg.org. Also 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 2012 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 2014, unadjusted

	General population covered by the registry in thousands	Incidence in 2014, at day 1				
		Total N	Total Pmp	Mean Age	DM N	DM Pmp
Albania	2863	252	88	55.1	30	11
Austria	8508	1036	122	64.2	259	30
Belgium, Dutch-speaking *	6444	1145	178	70.1	207	32
Belgium, French-speaking *	4788	828	173	67.5	188	39
Bosnia and Herzegovina	3508	421	120	60.7	125	36
Bulgaria †	7217	1197	166		281	39
Croatia	4070	640	157	63.7	186	46
Cyprus	847	173	204	64.6	58	69
Czech Republic †	10222	2017	197			
Denmark	5700	748	131	64.2	184	32
Estonia	1315	115	88	61.1	20	15
Finland	5462	461	84	59.3	165	30
France	66262	10791	163	67.6	2379	36
Georgia	4491	743	166	58.4	159	35
Greece	10892	2372	218	69.7	575	53
Iceland	327	19	58	62.0	1	3
Israel	8216	1668	203	64.6	807	98
Italy (6 of 20 regions)	21274	3243	152	68.6	558	26
Latvia	1590	152	96	63.3	23	15
Lithuania	2943	306	104	57.8	48	16
Macedonia	2022	268	133	63.2	62	31
Montenegro *	622	58	93	56.2	20	32
Norway	5137	523	102	62.4	90	18
Poland	36338	4341	120			
Portugal	10427	2473	237		790	76
Romania	19710	2997	152	61.1	442	22
Serbia	7131	985	138	61.2	250	35
Slovakia	5421	831	153	63.8	316	58
Spain (All)	46771	6229	133	63.0	1520	33
Spain, Andalusia	8394	1046	125	62.6	270	32
Spain, Aragon	1329	163	123	64.1	40	30
Spain, Asturias	1059	147	139	64.5	33	31
Spain, Basque country	2166	241	111	65.5	39	18
Spain, Cantabria *	587	61	104	61.4	12	21
Spain, Castile and León *	2487	299	120	67.6	79	32
Spain, Castile-La Mancha *	2069	252	122	63.7	62	30
Spain, Catalonia	7519	1178	157	66.0	259	34
Spain, Extremadura	1100	124	113	66.0	28	26
Spain, Galicia	2741	398	145	65.0	114	42
Spain, Community of Madrid	6454	828	128	64.3	201	31
Spain, Region of Murcia	1467	194	132	62.9	46	31
Spain, Navarre *	636	83	130	65.0	14	22
Spain, Valencian region	5005	704	141	65.9	156	31
Sweden	9696	1168	121	62.5	273	28
Switzerland §	8230	800	97	64.5	157	19
the Netherlands	16865	1941	115	63.6	358	21
Tunisia, Sfax region	1186	165	139	60.1	59	50
Turkey ‡	77696	11447	147		1042	13
Ukraine	42903	998	23		196	5
United Kingdom, England *	54317	6311	116	62.3	1441	27
United Kingdom, Northern Ireland *	1840	170	92	64.6	39	21
United Kingdom, Scotland	5348	557	104	58.8	164	31
United Kingdom, Wales *	3092	364	118	65.5	94	30
All countries	531690	70953	133	64.6	13566	32

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

DM = diabetes mellitus as cause of renal failure

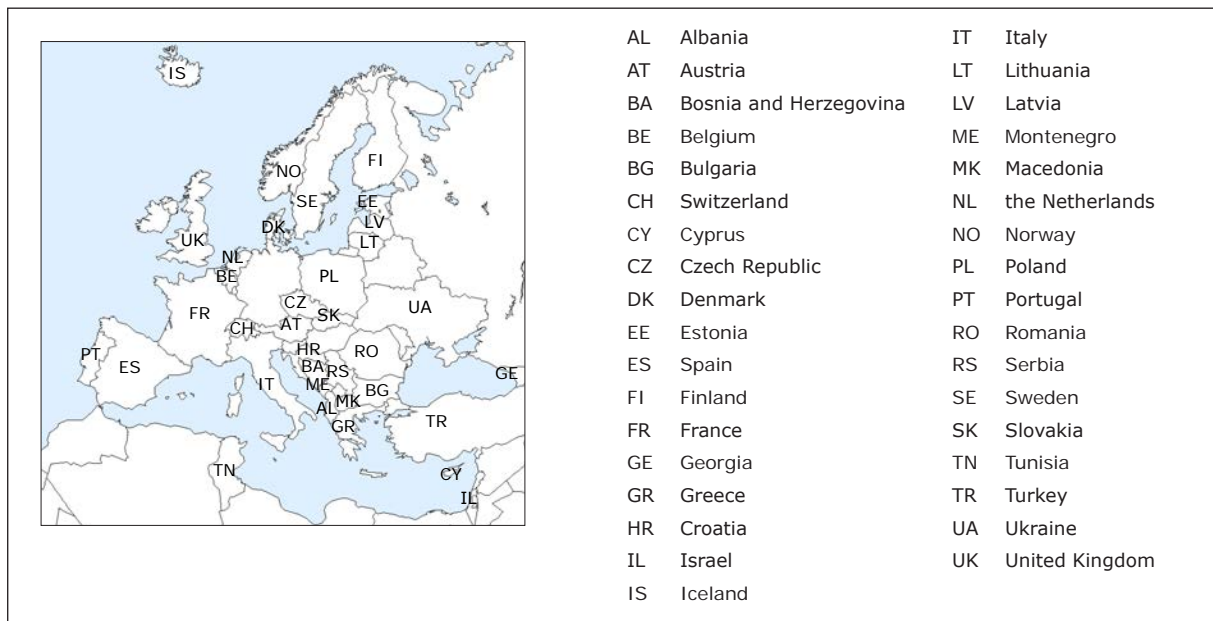
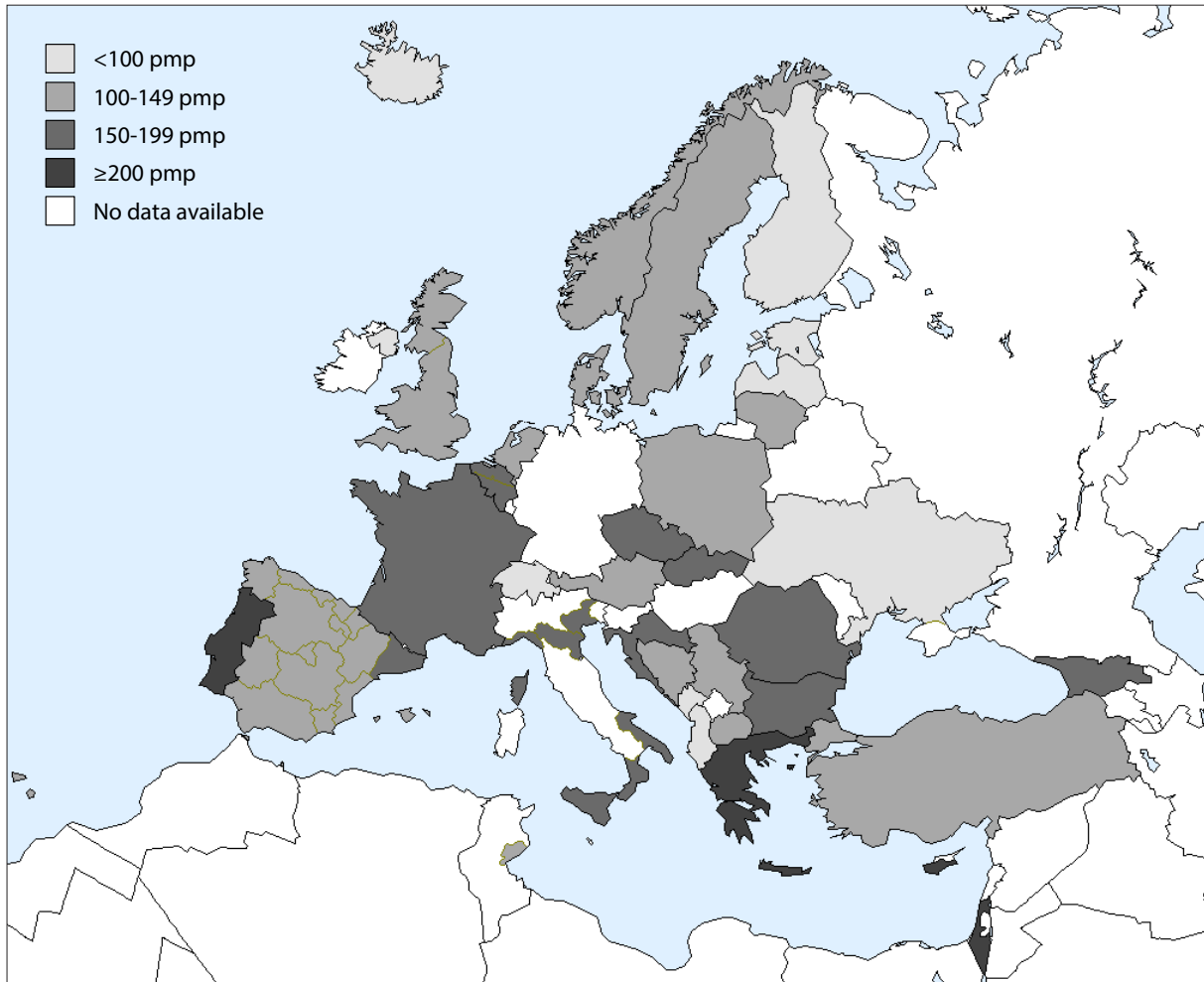
* Patients younger than 20 years of age are not reported. The true incidence and prevalent counts are therefore slightly higher than the counts reported here

† Data on incidence include dialysis patients only

§ Data on incidence of cause of renal failure (DM) include dialysis patients only

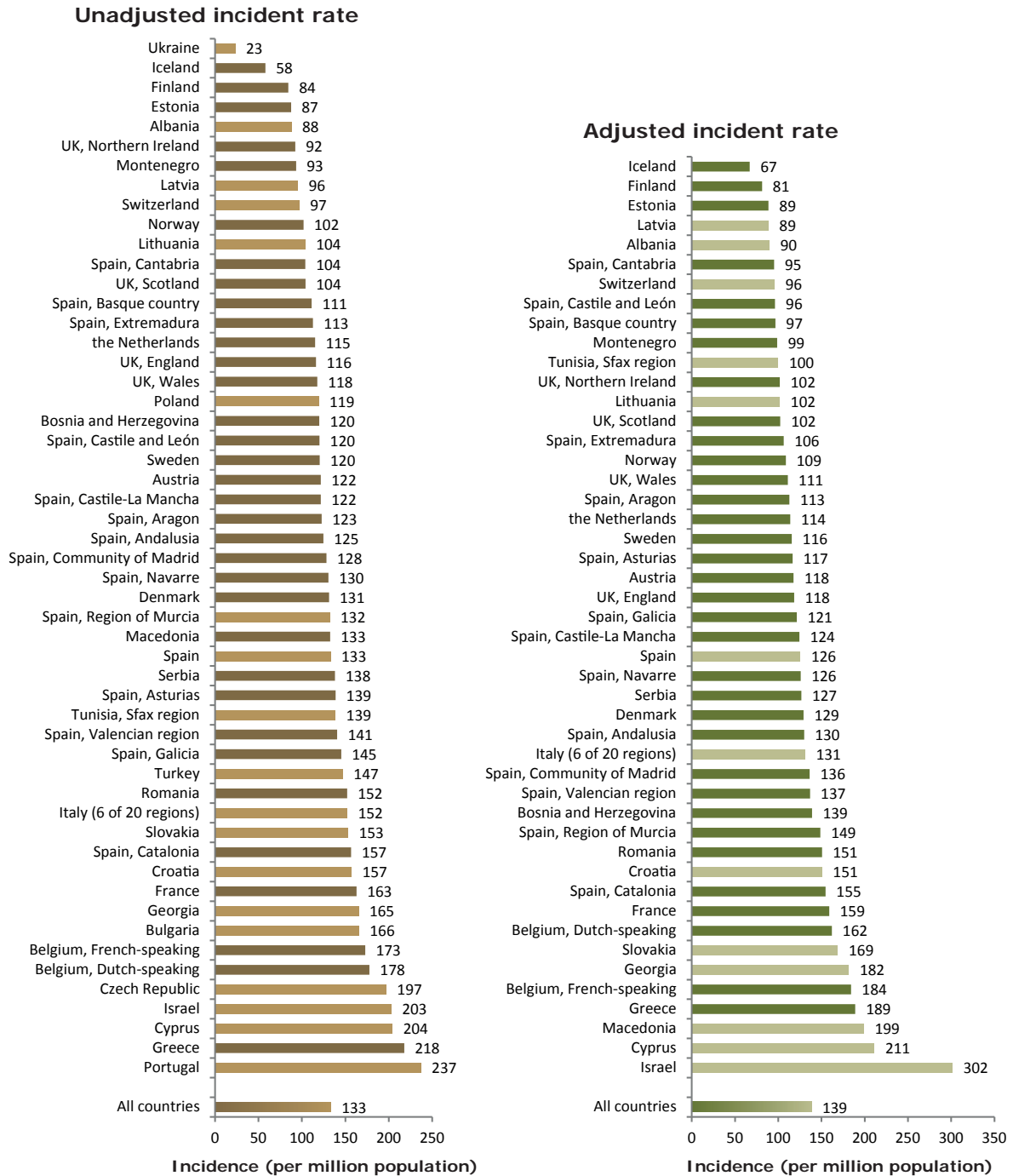
‡ Data on incidence of cause of renal failure (DM) is based on 2836 of 11447 patients (24.8%)

Figure A.1.1
Incident rates 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.

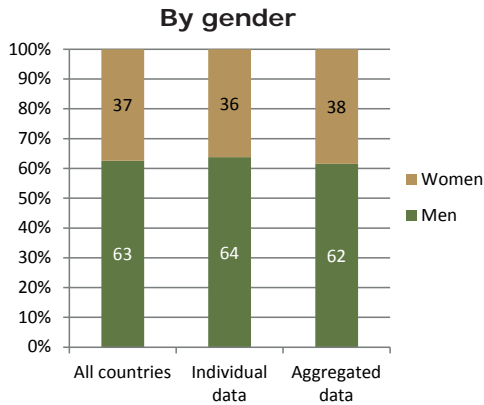
Figure A.1.2
Incident rates per million population by country / region, unadjusted and adjusted
at day 1



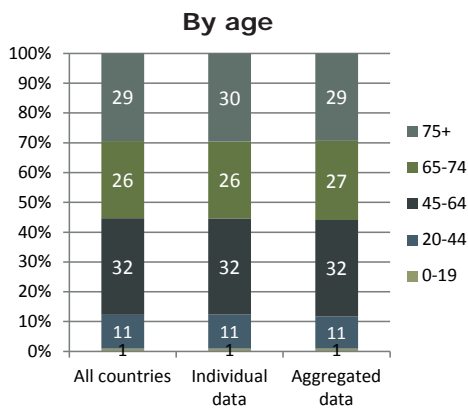
Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

Detailed information on the contents of this figure can be found in tables B.2.2 and B.2.5 for registries providing individual patient data, and in tables C.2.2 and C.2.5 for registries providing aggregated data.

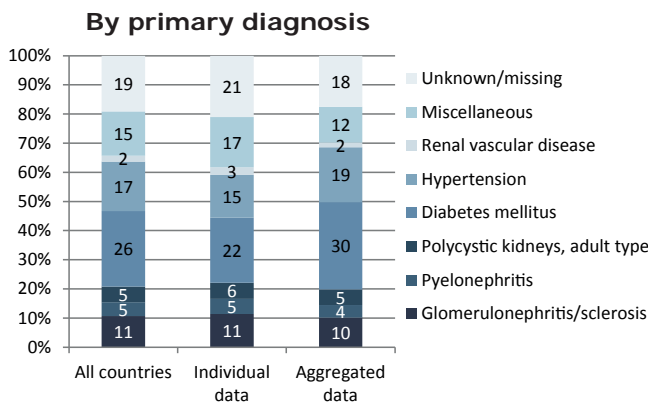
Figure A.1.3
Incident percentages by gender, age, and primary diagnosis, unadjusted
at day 1



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

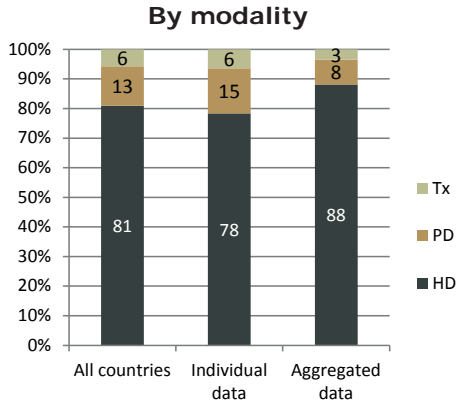


This figure summarizes the data presented in tables B.2.1 and C.2.1.



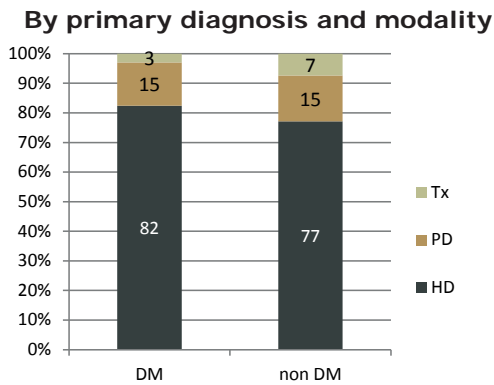
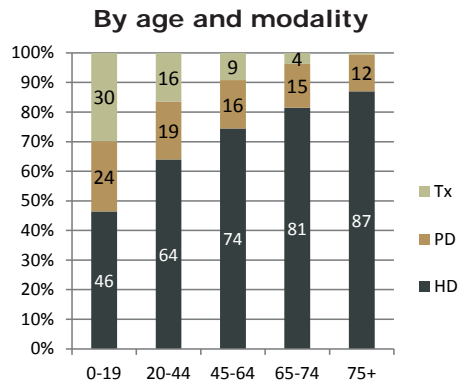
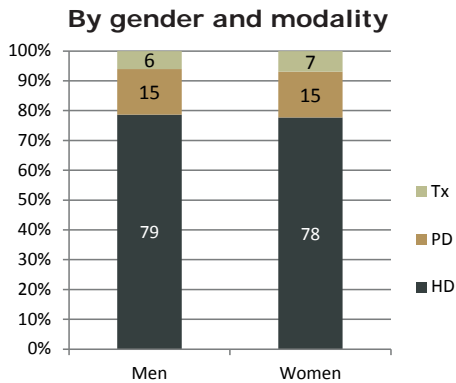
This figure summarizes the data presented in tables B.2.4 and C.2.4.

Figure A.2.1
Incident percentages of established therapy by age, gender and primary diagnosis, unadjusted at day 91



This figure summarizes the data presented in tables B.3.9 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.3.10.

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

Table A.3.1
Summary data on the prevalence of RRT at 31 December 2014, unadjusted

	General population covered by the registry in thousands	Prevalent patients on RRT in 2014				
		Total N	Total Pmp	Mean Age	DM N	DM Pmp
Albania	2863	1072	374	51.4	120	42
Austria	8508	9038	1062	60.8	1791	211
Belgium, Dutch-speaking *	6444	7980	1238	65.5	1379	214
Belgium, French-speaking *	4788	5983	1250	64.6	1035	216
Bosnia and Herzegovina	3508	2662	759	59.4	501	143
Bulgaria	7217	4168	578			
Croatia	4070	4295	1055	64.6	1246	306
Cyprus	847					
Czech Republic	10222	10931	1069			
Denmark	5700	5164	906	58.4	869	153
Estonia	1315	834	634	57.8	155	118
Finland	5462	4571	837	58.8	1167	214
France	66262	80144	1210	62.2	12604	190
Georgia	4491	2096	467	56.1	435	97
Greece	10892	13101	1203	63.8	2399	220
Iceland	327	221	675	56.0	24	73
Israel &	8216	6286	765	60.9	2909	354
Italy (6 of 20 regions)	21274	24721	1162	61.8	2941	138
Latvia	1590	996	627	55.7	97	61
Lithuania	2943	2146	729			
Macedonia	2022	1543	763	56.9	225	111
Montenegro *	622	296	476	52.4	47	76
Norway	5137	4716	918	59.1	628	122
Poland	36338	31106	856			
Portugal +	10427	18703	1794	66.4	3332	320
Romania //	19710	17620	894	59.9	1897	96
Serbia	7131	5860	822	58.3	936	131
Slovakia &	5421	3273	604	62.7	1067	197
Spain (All)	46771	55062	1177	59.5	7630	163
Spain, Andalusia	8394	9537	1136	60.0	1427	170
Spain, Aragon	1329	1524	1147	62.5	268	202
Spain, Asturias	1059	1228	1160	62.4	201	190
Spain, Basque country	2166	2571	1187	61.5	264	122
Spain, Cantabria *	587	601	1025	61.0	85	145
Spain, Castile and León *	2487	2696	1084	63.8	467	188
Spain, Castile-La Mancha *	2069	2180	1054	61.6	335	162
Spain, Catalonia	7519	9863	1312	62.3	1410	188
Spain, Extremadura	1100	1221	1110	61.4	191	174
Spain, Galicia	2741	3468	1265	61.9	600	219
Spain, Community of Madrid	6454	6739	1044	61.4	1183	183
Spain, Region of Murcia	1467	1845	1258	61.7	251	171
Spain, Navarre *	636	714	1122	61.9	79	124
Spain, Valencian region	5005	6495	1298	62.7	853	170
Sweden	9696	9263	955	59.5	1641	169
Switzerland &	8230	2834	344	68.1	540	66
the Netherlands	16865	16311	967	59.9	1991	118
Tunisia, Sfax region &	1186	806	678	58.2	140	118
Turkey ‡	77696	71318	918		2821	36
Ukraine	42903	6742	157		902	21
United Kingdom, England *	54317	49698	915	58.4	8043	148
United Kingdom, Northern Ireland *	1840	1598	868	58.2	243	132
United Kingdom, Scotland	5348	4757	890	56.5	724	135
United Kingdom, Wales *	3092	2828	915	59.5	483	156
All countries	531690	490743	924	60.9	62962	155

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

DM = diabetes mellitus as cause of renal failure

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

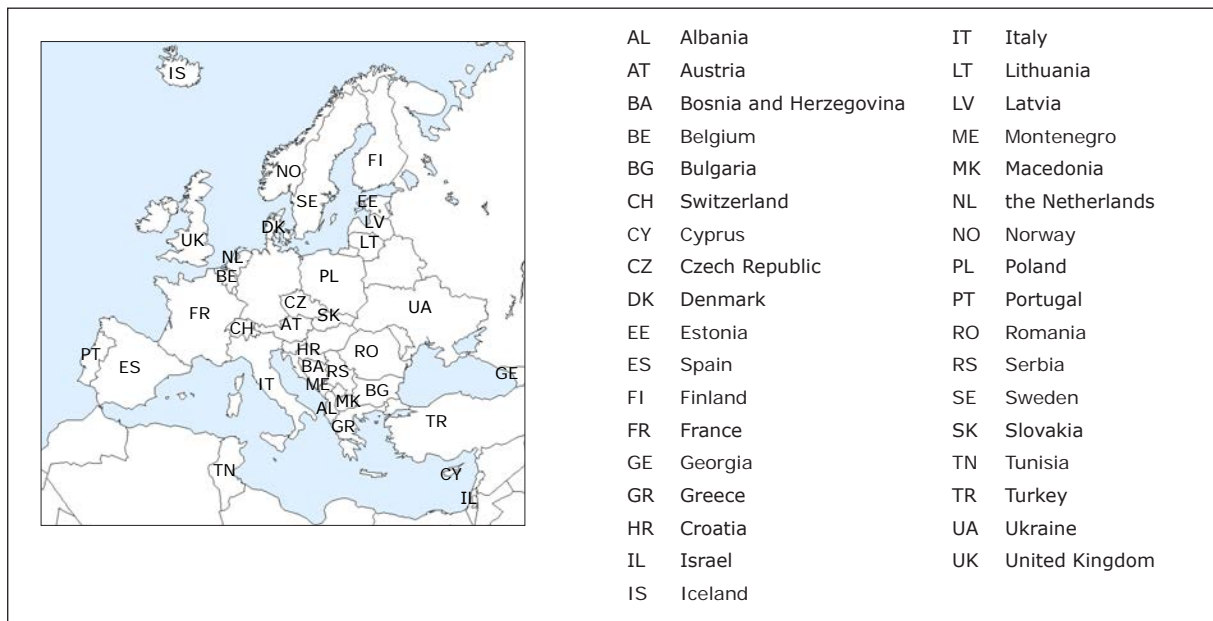
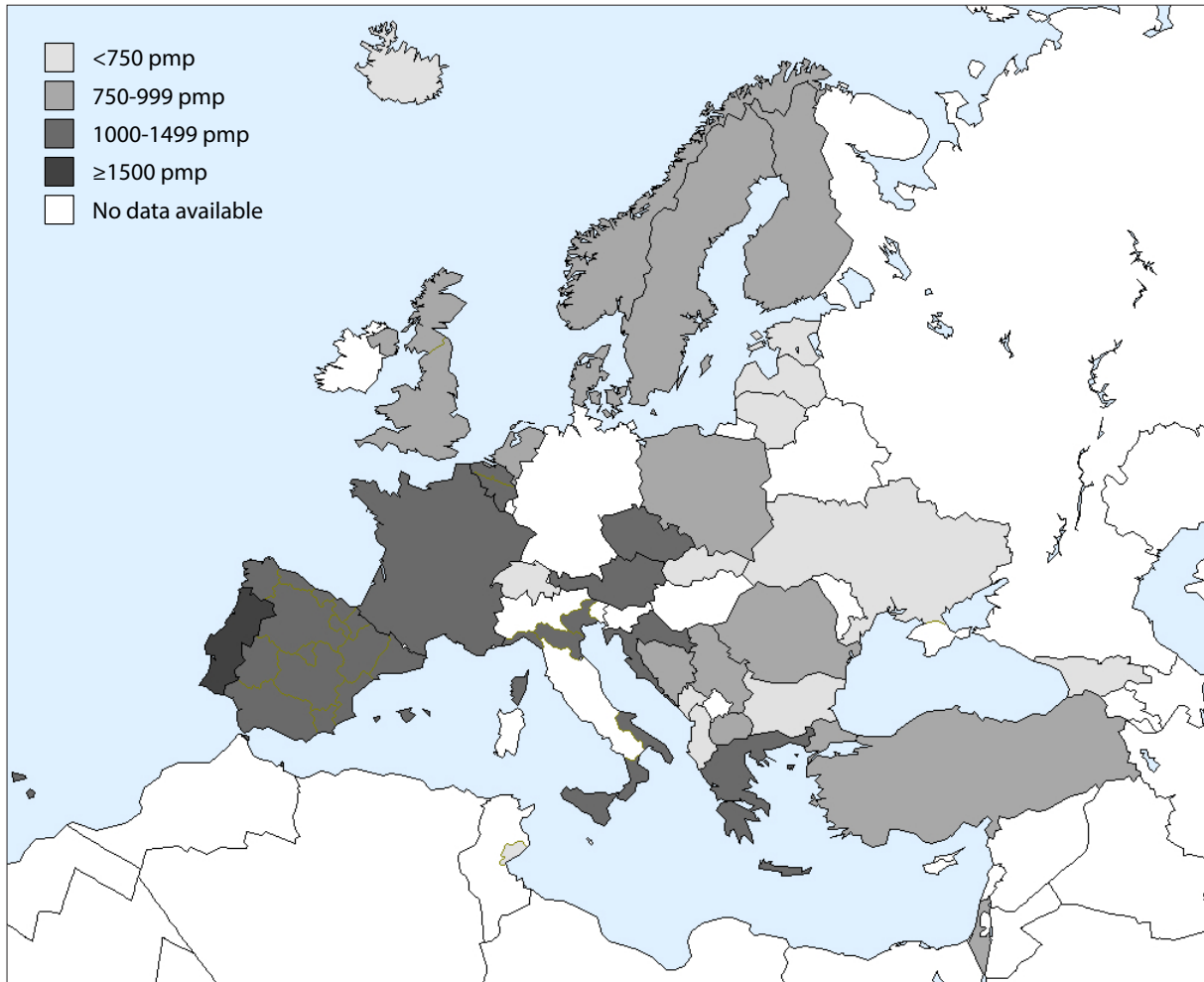
// The overall prevalence of RRT is underestimated by approximately 3% due to an estimated 30% underreporting of patients living on a functioning graft

+ Data on prevalence of cause of renal failure (DM) include dialysis patients only

& Data on prevalence include dialysis patients only

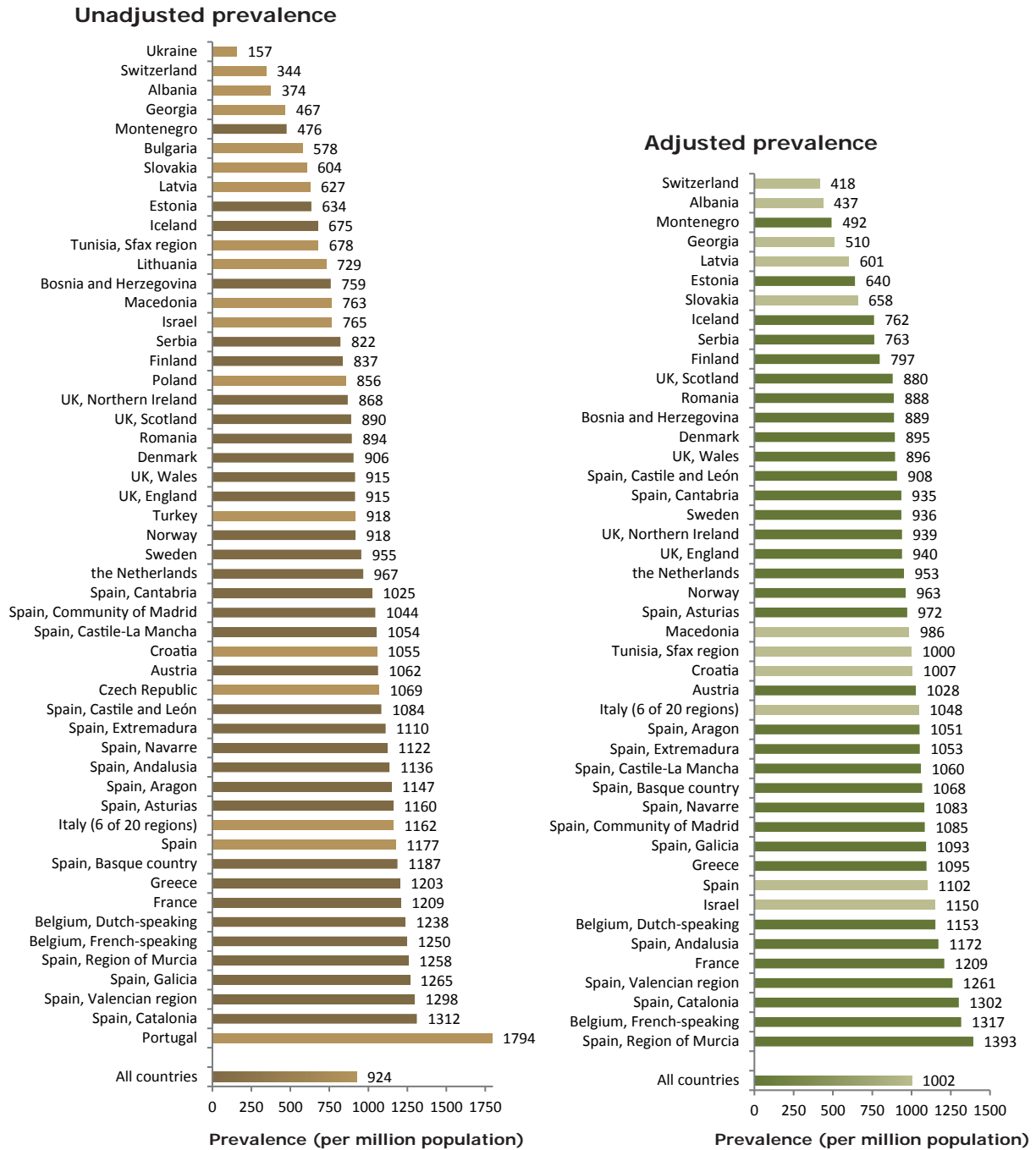
‡ Data on the prevalence of cause of renal failure (DM) is based on 8897 of 71318 patients (12.5%)

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.

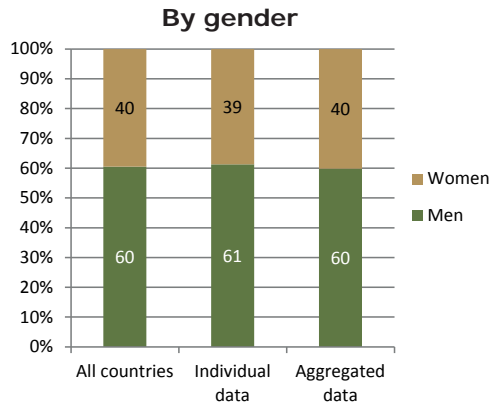
Figure A.3.2
Prevalence per million population by country / region, unadjusted and adjusted
prevalent patients on December 31



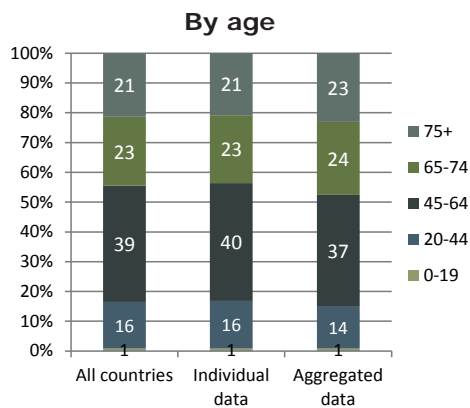
Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

Detailed information on the contents of this figure can be found in tables B.4.2 and B.4.5 for registries providing individual patient data, and in tables C.4.2 and C.4.5 for registries providing aggregated data.

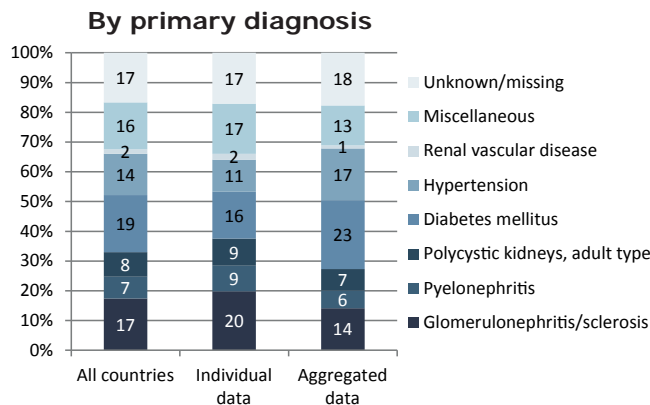
Figure A.3.3
Prevalent percentages by gender, age, and primary diagnosis, unadjusted
prevalent patients on December 31



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

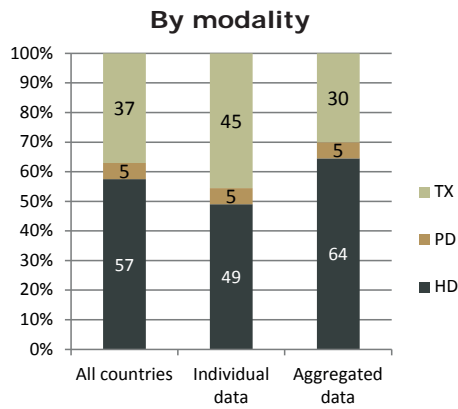


This figure summarizes the data presented in tables B.4.1 and C.4.1.



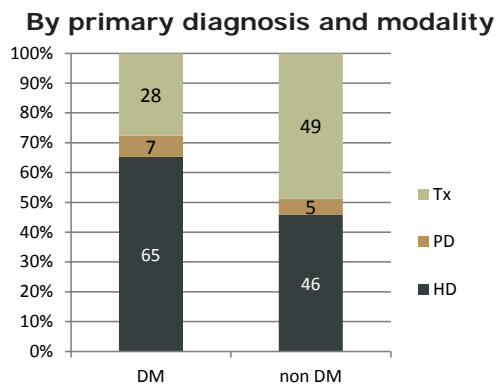
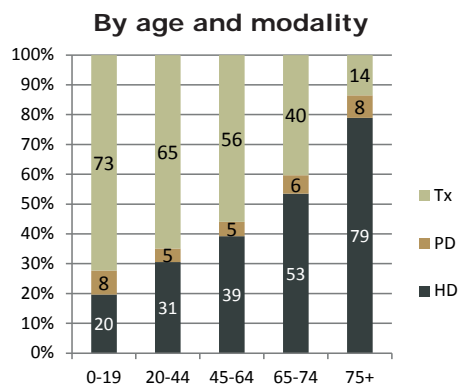
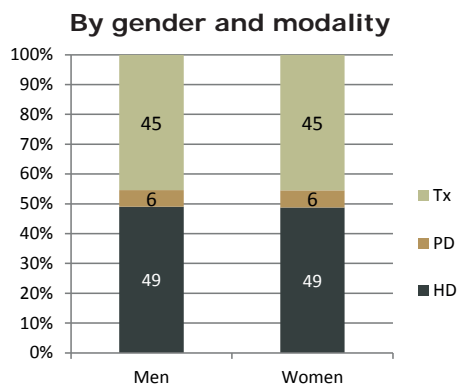
This figure summarizes the data presented in tables B.4.4 and C.4.4.

Figure A.3.4
Prevalent percentages of established therapy by age, gender and primary diagnosis, unadjusted
prevalent patients on December 31



This figure summarizes the data presented in tables B.4.9 and C.4.8.

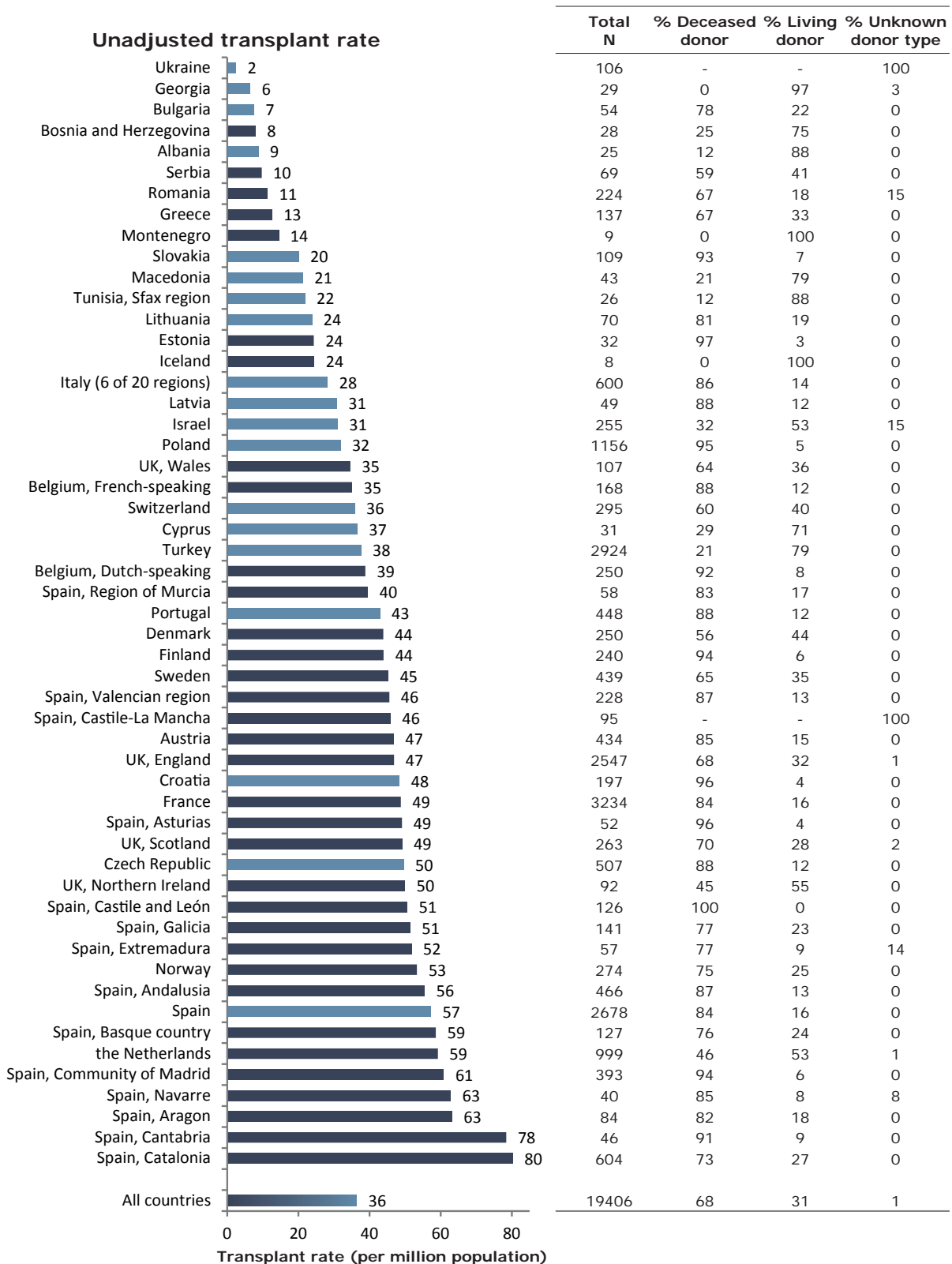
The figures below are only based on data from registries providing individual patient data.



These figures summarize the data presented in table B.4.10.

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

Figure A.4.1
Renal transplants performed, as counts and per million population by country / region, unadjusted

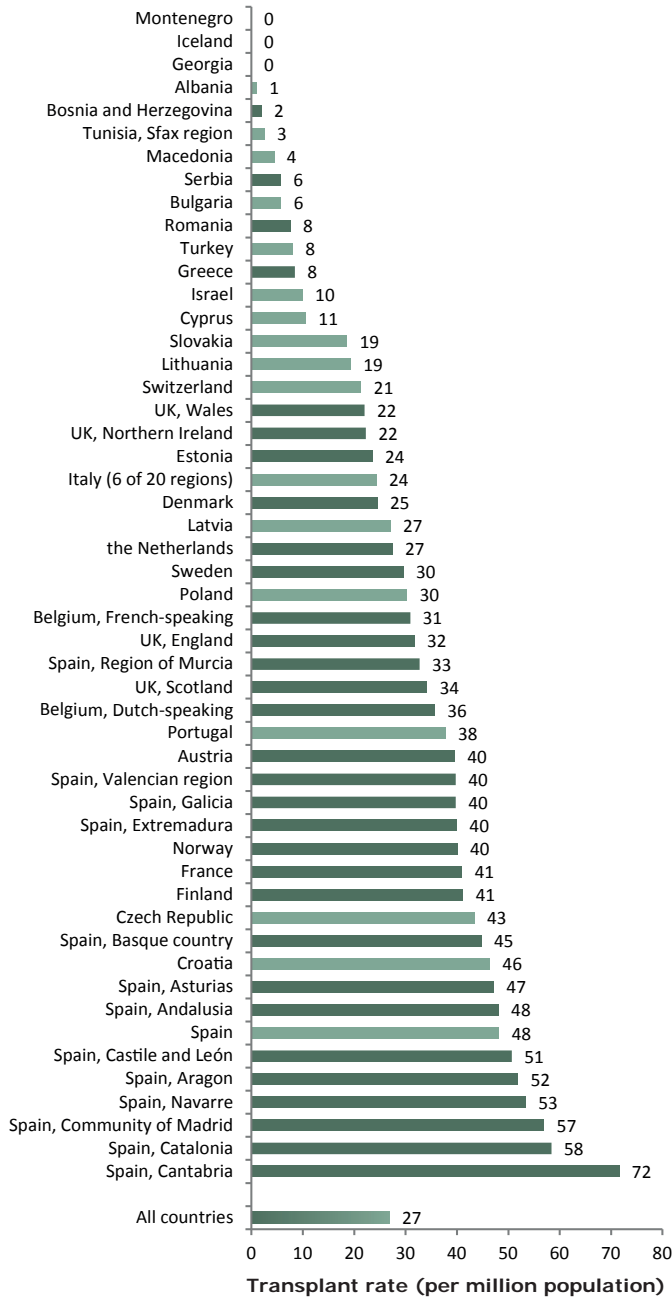


Registries providing individual patient data are shown as dark bars, and registries providing aggregated data as light bars.

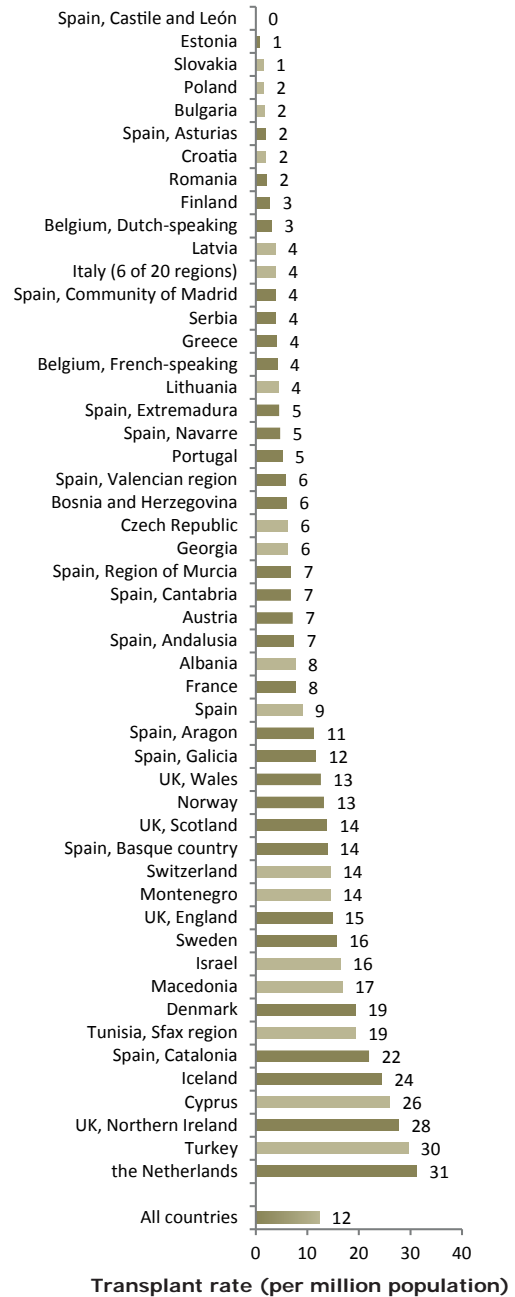
Detailed information on the contents of this figure can be found in tables B.5.1 and B.5.2 for registries providing individual patient data, and in tables C.5.1 and C.5.2 for registries providing aggregated data.

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

Unadjusted deceased donor transplant rate



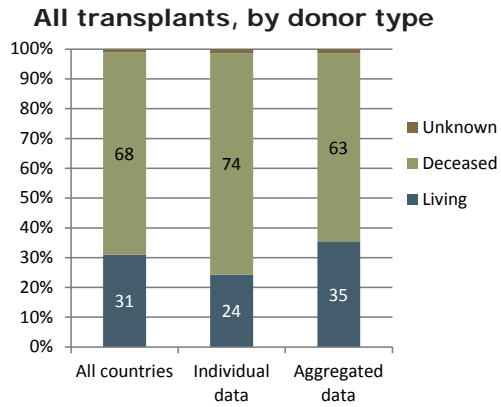
Unadjusted living donor transplant rate



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
Transplant percentages by donor type, 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 modality and cohort*from day 1 of RRT / dialysis, or from day of transplant*

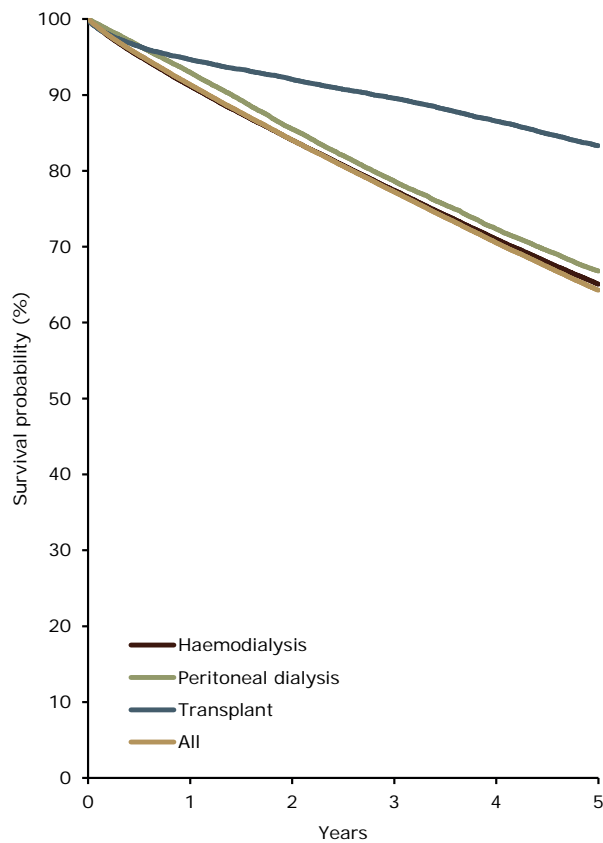
	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
Patient survival on RRT					
Unadjusted	82.7 (82.5-82.8)	72.0 (71.8-72.1)	49.4 (49.2-49.5)	83.8 (83.6-84.0)	73.7 (73.5-73.9)
Adjusted *	90.0 (89.9-90.2)	82.8 (82.6-83.0)	63.3 (63.0-63.6)	90.6 (90.4-90.7)	83.8 (83.6-84.0)
Patient survival on dialysis (with kidney transplantation as a censored observation)					
Unadjusted	81.7 (81.5-81.9)	69.7 (69.5-69.9)	41.5 (41.3-41.6)	82.7 (82.6-82.9)	71.3 (71.1-71.4)
Adjusted *	88.1 (87.9-88.2)	79.5 (79.2-79.7)	55.7 (55.3-56.1)	89.0 (88.9-89.2)	81.1 (80.8-81.3)
Patient survival on dialysis (with kidney transplantation as a competing event)					
Unadjusted	82.0 (81.9-82.2)	71.1 (70.9-71.3)	48.8 (48.6-49.0)	83.1 (82.9-83.2)	72.7 (72.5-72.9)
Adjusted *	90.2 (90.1-90.3)	83.2 (83.0-83.4)	64.6 (64.4-64.9)	90.4 (90.3-90.6)	83.6 (83.5-83.8)
Patient survival after first kidney transplantation (deceased donor)					
Unadjusted	96.1 (95.8-96.3)	94.2 (93.9-94.5)	87.9 (87.5-88.3)	96.4 (96.1-96.6)	94.4 (94.1-94.6)
Adjusted **	97.6 (97.4-97.8)	96.4 (96.2-96.6)	92.3 (91.9-92.7)	98.0 (97.8-98.1)	96.8 (96.6-97.0)
Graft survival after first kidney transplantation (deceased donor)					
Unadjusted	90.9 (90.6-91.2)	88.1 (87.7-88.4)	79.0 (78.6-79.4)	91.2 (90.9-91.5)	88.3 (88.0-88.6)
Adjusted **	92.2 (91.8-92.5)	89.7 (89.3-90.1)	81.6 (81.1-82.2)	92.7 (92.4-93.0)	90.2 (89.8-90.6)
Patient survival after first kidney transplantation (living donor)					
Unadjusted	98.4 (98.1-98.7)	97.5 (97.1-97.8)	94.2 (93.7-94.7)	98.8 (98.6-99.0)	97.9 (97.6-98.2)
Adjusted **	98.8 (98.6-99.1)	98.2 (97.9-98.5)	95.7 (95.2-96.2)	99.2 (99.0-99.3)	98.6 (98.3-98.8)
Graft survival after first kidney transplantation (living donor)					
Unadjusted	95.5 (95.0-95.9)	93.6 (93.0-94.1)	87.0 (86.4-87.7)	96.3 (95.9-96.6)	94.5 (94.1-94.9)
Adjusted **	95.5 (95.0-96.0)	93.7 (93.1-94.2)	87.0 (86.3-87.8)	96.3 (96.0-96.7)	94.6 (94.2-95.1)

* Analyses were adjusted using fixed values: age (60 years), gender (60% men) and PRD (20% diabetes mellitus, 17% hypertension/renal vascular disease, 15% glomerulonephritis and 48% other causes).

** Analyses were adjusted using fixed values: age (45 years), gender (60% men) and PRD (10% diabetes mellitus, 8% hypertension/renal vascular disease, 28% glomerulonephritis and 54% 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries).

Figure A.5.1

Adjusted survival (cohort 2005-2009):**Incident dialysis patients and patients receiving a first transplant (between 2005 and 2009)***from day 91, by modality, adjusted for age, gender, and primary diagnosis*

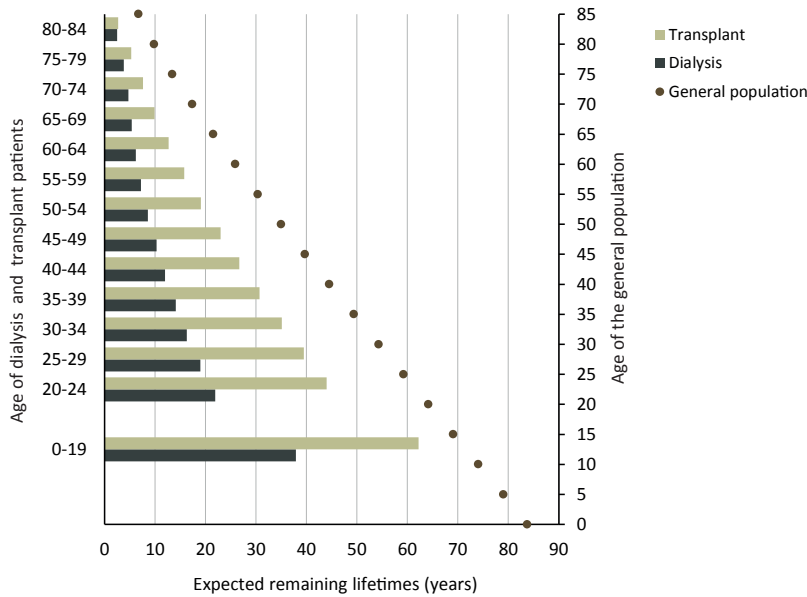
Survival on dialysis was examined using the Fine and Gray competing risk method, with transplantation as a competing event (see methods).

Analyses were adjusted using fixed values: age (60 years), gender (60% men) and PRD (20% diabetes mellitus, 17% hypertension/renal vascular disease, 15% glomerulonephritis and 48% other causes).

This figure 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries).

Figure A.6.1
Expected remaining lifetimes of the general population in 2013 and 2014, and of prevalent dialysis and transplant patients in 2013 and 2014 (includes mortality in the first 90 days), by age and gender

Expected remaining lifetimes of the general population and of prevalent dialysis and transplant patients



This figure summarizes the data presented in table B.7.1, and is based on data from the following registries providing individual patient data: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castille and León), Spain (Castille-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), Spain (Region of Murcia), 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	8508	100	79	79
Belgium, Dutch-speaking	6444	100	27	27
Belgium, French-speaking	4788	100	24	24
Bosnia and Herzegovina	3508	100	27	27
Denmark	5700	100	15	15
Estonia	1315	100	3	3
Finland	5462	100	31	31
France	66262	100	1255	1255
Greece	10892	100	167	167
Iceland	327	100	1	1
Montenegro	622	100	11	11
Norway	5137	100	25	25
Romania	19909	99.0	138	137
Serbia	7131	100	63	63
Spain, Andalusia	8394	100	61	61
Spain, Aragon	1329	100	10	10
Spain, Asturias	1059	100	10	10
Spain, Basque country	2166	100	11	11
Spain, Cantabria	587	100	2	2
Spain, Castile and León	2487	100	23	23
Spain, Castile-La Mancha	2069	100	12	12
Spain, Catalonia	7519	100	47	47
Spain, Extremadura	1100	100	12	12
Spain, Galicia	2741	100	25	25
Spain, Community of Madrid	6454	100	38	38
Spain, Region of Murcia	1467	100	13	13
Spain, Navarre	636	100	4	4
Spain, Valencian region	5005	100	49	49
Sweden	9696	100	66	66
the Netherlands	16865	100	77	77
United Kingdom, All countries	64597	100	72	72
United Kingdom, England	54317	100	52	52
United Kingdom, Northern Ireland	1840	100	5	5
United Kingdom, Scotland	5348	100	10	10
United Kingdom, Wales	3092	100	5	5

B2 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2014, AT DAY 1

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

	All			0-19						20-44						45-64						65-74						75+					
	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women									
	N (100%)	N (100%)	N (100%)	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %									
Austria	1036	682	354	15	1	10	1	5	1	102	10	71	10	31	9	343	33	219	32	124	35	313	30	221	32	92	26	263	25	161	24	102	29
Belgium, Dutch-speaking *	1145	698	447							74	6	49	7	25	6	273	24	184	26	89	20	273	24	149	21	124	28	525	46	316	45	209	47
Belgium, French-speaking *	828	559	269							69	8	43	8	26	10	234	28	160	29	74	28	235	28	166	30	69	26	290	35	190	34	100	37
Bosnia and Herzegovina	421	257	164	3	1	2	1	1	1	60	14	34	13	26	16	170	40	115	45	55	34	119	28	65	25	54	33	69	16	41	16	28	17
Denmark	748	496	252	7	1	4	1	3	1	81	11	56	11	25	10	231	31	150	30	81	32	220	29	149	30	71	28	209	28	137	28	72	29
Estonia	115	68	47	1	1	1	1	0	0	17	15	9	13	8	17	47	41	29	43	18	38	20	17	12	18	8	17	30	26	17	25	13	28
Finland	461	320	141	14	3	9	3	5	4	64	14	40	13	24	17	190	41	139	43	51	36	110	24	79	25	31	22	83	18	53	17	30	21
France	10791	6819	3972	112	1	65	1	47	1	969	9	611	9	358	9	2917	27	1818	27	1099	28	2544	24	1657	24	887	22	4249	39	2668	39	1581	40
Greece	2372	1532	840	14	1	9	1	5	1	140	6	95	6	45	5	583	25	397	26	186	22	592	25	405	26	187	22	1043	44	626	41	417	50
Iceland	19	13	6	1	5	1	8	0	0	3	16	1	8	2	33	5	26	4	31	1	17	2	11	2	15	0	8	42	5	38	3	50	
Montenegro *	58	42	16							14	24	10	24	4	25	27	47	19	45	8	50	9	16	7	17	2	13	8	14	6	14	2	13
Norway	523	364	159	12	2	7	2	5	3	71	14	55	15	16	10	163	31	112	31	51	32	132	25	92	25	40	25	145	28	98	27	47	30
Romania	2997	1713	1284	36	1	20	1	16	1	375	13	226	13	149	12	1303	43	790	46	513	40	784	26	431	25	353	27	499	17	246	14	253	20
Serbia	985	630	352	9	1	5	1	4	1	126	13	84	13	42	12	416	42	287	46	128	36	278	28	166	26	110	31	156	16	88	14	68	19
Spain, Andalusia	1046	668	378	7	1	6	1	1	0	150	14	90	13	60	16	352	34	238	36	114	30	272	26	167	25	105	28	265	25	167	25	98	26
Spain, Aragon	163	105	58	1	1	0	0	1	2	15	9	7	7	8	14	60	37	39	37	21	36	39	24	29	28	10	17	48	29	30	29	18	31
Spain, Asturias	147	100	47	2	1	2	2	0	0	4	3	2	2	2	4	68	46	44	44	24	51	40	27	30	30	10	21	33	22	22	22	11	23
Spain, Basque country	241	172	69	1	0	1	1	0	0	22	9	17	10	5	7	76	32	51	30	25	36	75	31	50	29	25	36	67	28	53	31	14	20
Spain, Cantabria *	61	41	20							9	15	5	12	4	20	24	39	17	41	7	35	17	28	12	29	5	25	11	18	7	17	4	20
Spain, Castile and León *	299	211	88							29	10	21	10	8	9	76	25	57	27	19	22	77	26	51	24	26	30	117	39	82	39	35	40
Spain, Castile-La Mancha *	252	148	104							27	11	17	11	10	10	104	41	63	43	41	39	55	22	29	20	26	25	66	26	39	26	27	26
Spain, Catalonia	1178	765	413	16	1	10	1	6	1	126	11	83	11	43	10	306	26	201	26	105	25	319	27	215	28	104	25	411	35	256	33	155	38
Spain, Extremadura	124	83	41	0	0	0	0	0	0	11	9	8	10	3	7	38	31	25	30	13	32	39	31	28	34	11	27	36	29	22	27	14	34
Spain, Galicia	398	282	116	1	0	1	0	0	0	43	11	25	9	18	16	121	30	87	31	34	29	117	29	86	30	31	27	116	29	83	29	33	28
Spain, Community of Madrid	828	579	249	13	2	6	1	7	3	91	11	56	10	35	14	248	30	181	31	67	27	220	27	149	26	71	29	256	31	187	32	69	28
Spain, Region of Murcia	194	132	62	1	1	1	1	0	0	24	12	17	13	7	11	64	33	37	28	27	44	65	34	50	38	15	24	40	21	27	20	13	21
Spain, Navarre *	83	57	26							9	11	6	11	3	12	23	28	10	18	13	50	26	31	21	37	5	19	25	30	20	35	5	19
Spain, Valencian region	704	478	226	9	1	5	1	4	2	56	8	37	8	19	8	215	31	147	31	68	30	201	29	139	29	62	27	223	32	150	31	73	32
Sweden	1168	767	401	28	2	16	2	12	3	164	14	109	14	55	14	337	29	213	28	124	31	347	30	223	29	124	31	292	25	206	27	86	21
the Netherlands	1941	1196	745	27	1	19	2	8	1	232	12	139	12	93	12	603	31	374	31	229	31	567	29	359	30	208	28	512	26	305	26	207	28
United Kingdom, All countries *	7388	4670	2718							1092	15	652	14	440	16	2634	36	1673	36	961	35	1841	25	1152	25	689	25	1821	25	1193	26	628	23
United Kingdom, England *	6311	4016	2295							934	15	569	14	365	16	2257	36	1447	36	810	35	1570	25	982	24	588	26	1550	25	1018	25	532	23
United Kingdom, Northern Ireland *	170	100	70							23	14	11	11	12	17	51	30	32	32	19	27	38	22	26	26	12	17	58	34	31	31	27	39
United Kingdom, Scotland	557	344	213	14	3	11	3	3	1	96	17	57	17	39	18	211	38	125	36	86	40	136	24	87	25	49	23	100	18	64	19	36	17
United Kingdom, Wales *	364	221	143							39	11	15	7	24	17	115	32	69	31	46	32	97	27	57	26	40	28	113	31	80	36	33	23

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

* Patients younger than 20 years of age are not reported

Table B.2.2
Incident rates per million (age-related) population by age and gender, unadjusted
at day 1

	All			0-19			20-44			45-64			65-74			75+		
	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Austria	121.8	164.1	81.3	8.9	11.5	6.1	35.8	49.6	21.9	142.2	182.9	102.0	362.3	551.4	198.7	379.6	620.1	235.5
Belgium, Dutch-speaking *	177.7	219.2	137.1				36.6	48.0	24.9	152.6	203.8	100.4	442.7	500.0	389.1	850.4	1274.8	565.6
Belgium, French-speaking *	172.9	239.1	109.8				42.3	52.4	32.1	189.7	262.3	118.7	595.3	910.5	324.8	755.5	1360.7	409.4
Bosnia and Herzegovina	120.0	149.5	91.7	3.4	4.6	2.3	47.9	53.8	42.0	190.8	263.8	120.9	334.5	412.9	272.4	512.7	736.0	355.0
Denmark	131.2	175.2	87.9	5.2	5.8	4.6	44.9	61.5	28.0	152.4	197.2	107.2	353.9	493.0	222.3	495.7	794.1	289.1
Estonia	87.5	110.6	67.2	3.7	7.2	0	37.4	38.7	36.1	135.4	179.5	97.0	158.8	246.1	103.7	253.9	511.1	153.1
Finland	84.4	119.1	50.8	11.6	14.6	8.5	37.8	46.1	29.1	127.5	187.4	68.2	182.2	277.2	97.2	176.5	301.4	101.9
France	162.9	212.4	116.3	6.9	7.8	5.9	47.0	59.7	34.4	168.9	216.1	124.1	423.1	587.1	278.0	704.9	1167.5	422.5
Greece	217.8	289.6	150.0	6.6	8.3	4.8	38.7	52.3	25.0	201.7	285.9	123.8	542.1	794.8	321.0	897.8	1284.9	618.2
Iceland	58.0	79.1	36.8	11.2	22.0	0	26.3	17.2	35.8	62.1	99.5	24.8	82.5	166.2	0	409.6	588.9	271.7
Montenegro *	93.3	136.7	50.9				65.2	92.3	37.6	163.5	233.5	95.5	186.7	331.1	73.9	223.9	414.7	94.1
Norway	101.8	140.9	62.3	9.5	10.9	8.2	40.5	61.1	18.8	125.0	168.2	79.9	283.2	401.7	168.8	405.6	684.6	219.3
Romania	152.1	177.9	127.4	8.7	9.4	8.0	53.8	62.9	44.1	245.6	305.1	188.9	442.9	565.2	350.4	325.6	434.2	261.9
Serbia	138.1	181.4	96.2	6.4	6.9	5.9	53.4	70.1	36.2	201.0	286.3	119.9	382.9	511.1	274.2	271.2	389.3	194.7
Spain, Andalusia	124.6	160.9	89.1	3.9	6.4	1.1	49.6	58.6	40.3	159.9	217.6	102.9	385.2	502.5	280.8	411.4	659.4	250.7
Spain, Aragon	122.7	159.2	86.7	4.0	0	8.3	33.8	30.6	37.3	165.9	213.2	117.5	310.0	484.5	151.6	319.4	498.0	199.9
Spain, Asturias	138.8	197.2	85.2	13.0	25.4	0	11.9	11.7	12.0	213.0	283.0	146.6	353.7	576.0	164.0	242.3	435.2	128.5
Spain, Basque country	111.3	163.5	61.9	2.5	4.9	0	32.0	48.9	14.7	121.3	165.6	78.5	333.5	475.2	208.9	287.2	599.7	96.6
Spain, Cantabria *	104.0	142.9	66.7	46.0	50.4	41.5	141.3	201.5	81.9	306.0	459.8	169.8	176.8	296.8	103.5			
Spain, Castile and León *	120.2	171.4	70.1	37.4	52.7	21.2	106.4	156.4	54.3	297.4	406.2	195.0	350.1	612.2	174.8			
Spain, Castile-La Mancha *	121.8	142.1	101.2	36.8	44.7	28.4	195.1	229.9	158.3	327.4	361.2	296.5	317.0	451.4	221.7			
Spain, Catalonia	156.7	206.7	108.2	10.5	12.7	8.1	46.6	60.1	32.5	156.8	208.1	106.6	487.0	702.2	298.1	602.5	974.9	369.4
Spain, Extremadura	112.8	152.1	74.0	0	0	0	29.3	41.6	16.4	127.9	164.5	89.6	398.6	606.4	212.9	305.7	472.4	196.7
Spain, Galicia	145.2	212.8	81.9	2.3	4.5	0	48.0	55.3	40.5	159.0	232.6	87.8	384.0	604.0	191.0	334.6	621.7	154.8
Spain, Community of Madrid	128.3	186.8	74.2	10.0	9.0	11.1	37.6	46.7	28.6	147.5	226.0	76.1	412.7	619.7	242.6	492.2	967.1	211.1
Spain, Region of Murcia	132.3	179.4	84.8	3.0	5.8	0	43.3	59.0	26.3	178.7	205.9	151.3	599.5	983.2	260.6	370.8	621.4	201.8
Spain, Navarre *	130.4	180.5	81.1				42.0	54.9	28.6	134.2	115.1	154.0	443.9	742.3	165.1	404.7	823.0	133.4
Spain, Valencian region	140.7	193.1	89.3	9.1	9.8	8.3	31.4	40.5	21.9	161.6	223.2	101.2	428.5	628.9	249.9	514.0	865.3	280.2
Sweden	120.5	158.4	82.6	12.7	14.1	11.2	51.7	67.3	35.4	138.6	173.6	102.9	325.7	425.3	229.2	353.0	603.5	177.0
the Netherlands	115.1	143.2	87.5	7.0	9.7	4.3	43.5	51.9	35.0	127.4	157.5	97.1	333.1	429.9	239.8	406.1	605.2	273.5
United Kingdom, All countries *	114.4	146.9	82.9				50.9	60.9	41.0	159.8	206.0	114.9	297.2	386.4	214.4	349.4	552.6	205.7
United Kingdom, England *	116.2	150.0	83.3				51.5	62.7	40.3	164.3	213.5	116.4	304.1	394.8	219.8	354.3	559.5	208.2
United Kingdom, Northern Ireland *	92.4	110.8	74.6				37.7	36.6	38.7	110.3	140.1	81.1	239.2	343.2	144.4	456.5	608.9	354.6
United Kingdom, Scotland	104.2	132.5	77.4	12.0	18.5	5.3	55.1	66.5	44.0	143.3	174.3	113.9	254.1	342.8	174.1	230.8	369.7	138.4
United Kingdom, Wales *	117.7	145.3	91.0				40.8	31.3	50.4	141.3	173.2	110.8	286.6	346.8	229.7	409.0	694.6	204.8

* Patients younger than 20 years of age are not reported

Table B.2.3
Gender, 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	64.2	15.8	67.0	65.8	63.5	15.7	67.0	34.2	65.3	15.8	66.7
Belgium, Dutch-speaking *	100	70.1	14.2	73.8	61.0	69.3	14.3	73.0	39.0	71.4	13.9	74.4
Belgium, French-speaking *	100	67.5	14.5	69.5	67.5	67.6	14.0	69.5	32.5	67.2	15.6	69.6
Bosnia and Herzegovina	100	60.7	14.8	62.7	61.0	60.5	14.5	61.6	39.0	61.1	15.1	64.9
Denmark	100	64.2	15.5	67.7	66.3	64.0	15.9	67.6	33.7	64.4	14.8	67.8
Estonia	100	61.1	15.9	61.3	59.1	60.3	16.4	61.2	40.9	62.2	15.3	62.3
Finland	100	59.3	17.0	61.8	69.4	59.6	16.3	62.1	30.6	58.8	18.5	60.9
France	100	67.6	16.2	70.2	63.2	67.6	16.1	70.4	36.8	67.5	16.6	70.1
Greece	100	69.7	14.6	73.0	64.6	68.9	14.5	71.7	35.4	71.1	14.7	74.8
Iceland	100	62.0	22.4	67.2	68.4	62.4	22.5	67.2	31.6	61.0	24.2	67.3
Montenegro *	100	56.2	16.3	59.8	72.4	56.2	17.2	58.6	27.6	56.3	14.2	60.9
Norway	100	62.4	17.6	66.2	69.6	62.2	17.9	66.0	30.4	63.0	16.9	67.0
Romania	100	61.1	14.5	63.0	57.2	60.3	14.4	62.0	42.8	62.0	14.7	64.2
Serbia	100	61.2	14.1	63.5	64.0	60.5	13.7	62.2	35.7	62.3	14.7	65.1
Spain, Andalusia	100	62.6	15.7	65.4	63.9	62.4	15.8	65.0	36.1	63.0	15.6	65.7
Spain, Aragon	100	64.1	14.9	66.0	64.4	65.2	13.3	66.2	35.6	62.2	17.3	63.9
Spain, Asturias	100	64.5	13.3	64.7	68.0	64.7	13.8	66.5	32.0	64.2	12.2	64.1
Spain, Basque country	100	65.5	13.8	68.4	71.4	66.1	14.4	68.5	28.6	64.2	12.1	67.4
Spain, Cantabria *	100	61.4	13.8	64.5	67.2	61.9	14.0	63.6	32.8	60.4	13.8	64.6
Spain, Castile and León *	100	67.6	14.7	70.9	70.6	67.2	14.6	70.9	29.4	68.5	14.8	70.9
Spain, Castile-La Mancha *	100	63.7	13.9	64.2	58.7	63.6	13.5	63.9	41.3	63.9	14.5	65.9
Spain, Catalonia	100	66.0	16.1	69.5	64.9	65.9	15.8	69.2	35.1	66.1	16.6	70.1
Spain, Extremadura	100	66.0	13.9	69.9	66.9	65.3	13.9	68.3	33.1	67.3	13.9	71.1
Spain, Galicia	100	65.0	14.4	68.1	70.9	65.5	14.0	68.2	29.1	63.6	15.3	67.2
Spain, Community of Madrid	100	64.3	16.2	67.7	69.9	65.1	15.5	67.7	30.1	62.5	17.4	67.9
Spain, Region of Murcia	100	62.9	14.5	66.4	68.0	63.5	14.6	67.5	32.0	61.6	14.3	62.7
Spain, Navarre *	100	65.0	14.9	69.1	68.7	67.3	14.6	72.0	31.3	60.1	14.6	60.2
Spain, Valencian region	100	65.9	15.0	69.1	67.9	66.0	14.9	68.5	32.1	65.7	15.4	69.4
Sweden	100	62.5	17.4	67.0	65.7	62.9	17.4	67.4	34.3	61.7	17.4	66.2
the Netherlands	100	63.6	16.1	67.0	61.6	63.4	16.3	67.1	38.4	64.0	15.8	66.9
United Kingdom, All countries *	100	62.4	15.7	64.8	63.2	62.8	15.6	65.2	36.8	61.7	15.8	64.2
United Kingdom, England *	100	62.3	15.7	64.8	63.6	62.6	15.7	64.9	36.4	61.8	15.8	64.5
United Kingdom, Northern Ireland *	100	64.6	15.4	67.4	58.8	65.1	14.5	67.4	41.2	63.8	16.6	67.2
United Kingdom, Scotland	100	58.8	17.1	61.6	61.8	58.9	17.5	62.7	38.2	58.6	16.5	60.6
United Kingdom, Wales *	100	65.5	14.3	68.3	60.7	67.5	13.1	69.8	39.3	62.4	15.4	66.0

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

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

Table B.2.4
Incident rates per million population and percentages by cause of renal failure, unadjusted
at day 1

	Total		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type I		Type II		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Austria	121.8	100	14.6	12.0	5.3	4.3	4.9	4.1	3.3	2.7	27.2	22.3	30.4	25.0	13.0	10.7	15.8	12.9	23.4	19.2	14.3	11.8	0	0
Belgium, Dutch-speaking *	177.7	100	17.1	9.6	7.6	4.3	7.9	4.5	3.6	2.0	28.6	16.1	32.1	18.1	21.6	12.1	8.7	4.9	66.6	37.5	16.1	9.1	0	0
Belgium, French-speaking *	172.9	100	17.5	10.1	6.1	3.5	5.4	3.1	3.1	1.8	36.1	20.9	39.3	22.7	35.3	20.4	1.9	1.1	56.0	32.4	11.5	6.6	0	0
Bosnia and Herzegovina	120.0	100	11.4	9.5	16.8	14.0	6.0	5.0	16.0	13.3	19.7	16.4	35.6	29.7	15.7	13.1	0.9	0.7	20.0	16.6	13.7	11.4	0	0
Denmark	131.2	100	14.7	11.2	6.1	4.7	10.2	7.8	11.6	8.8	20.7	15.8	32.3	24.6	12.6	9.6	0.2	0.1	23.3	17.8	31.8	24.2	0	0
Estonia	87.5	100	7.6	8.7	11.4	13.0	0.8	0.9	15.2	17.4	0	0	15.2	17.4	14.5	16.5	13.7	15.7	24.3	27.8	0	0	0	0
Finland	84.4	100	9.9	11.7	5.5	6.5	6.8	8.0	13.0	15.4	17.2	20.4	30.2	35.8	6.0	7.2	0.4	0.4	13.2	15.6	12.5	14.8	0	0
France	162.9	100	18.5	11.4	7.8	4.8	10.0	6.1					35.9	22.0	41.0	25.2	1.6	1.0	24.2	14.8	23.5	14.4	0.4	0.3
Greece	217.8	100	16.2	7.4	11.2	5.1	10.3	4.7	3.1	1.4	49.7	22.8	52.8	24.2	20.0	9.2	4.0	1.9	27.2	12.5	76.1	34.9	0	0
Iceland	58.0	100	12.2	21.1	6.1	10.5	3.1	5.3	0	0	3.1	5.3	3.1	5.3	18.3	31.6	0	0	12.2	21.1	3.1	5.3	0	0
Montenegro *	93.3	100	11.3	12.1	3.2	3.4	6.4	6.9	1.6	1.7	30.6	32.8	32.2	34.5	20.9	22.4	0	0	9.6	10.3	9.6	10.3	0	0
Norway	101.8	100	16.0	15.7	4.7	4.6	6.8	6.7	5.6	5.5	11.9	11.7	17.5	17.2	31.1	30.6	0.6	0.6	22.4	22.0	2.7	2.7	0	0
Romania	152.1	100	22.6	14.9	7.5	4.9	3.7	2.4					22.4	14.7	8.9	5.9	1.4	0.9	28.8	19.0	56.7	37.3	0	0
Serbia	138.1	100	11.6	8.4	12.9	9.3	6.6	4.8	10.9	7.9	24.1	17.5	35.1	25.4	34.6	25.1	2.8	2.0	18.8	13.6	12.9	9.3	2.8	2.0
Spain, Andalusia	124.6	100	9.9	7.9	8.6	6.9	7.3	5.8					32.2	25.8	11.7	9.4	0	0	18.9	15.2	36.1	29.0	0	0
Spain, Aragon	122.7	100	17.3	14.1	5.3	4.3	9.8	8.0	6.0	4.9	24.1	19.6	30.1	24.5	27.1	22.1	3.8	3.1	18.8	15.3	10.5	8.6	0	0
Spain, Asturias	138.8	100	22.7	16.3	5.7	4.1	12.3	8.8	5.7	4.1	25.5	18.4	31.2	22.4	18.9	13.6	3.8	2.7	22.7	16.3	21.7	15.6	0	0
Spain, Basque country	111.3	100	11.5	10.4	4.2	3.7	9.2	8.3	3.2	2.9	14.8	13.3	18.0	16.2	25.4	22.8	1.8	1.7	10.2	9.1	18.5	16.6	12.5	11.2
Spain, Cantabria *	104.0	100	20.5	19.7	5.1	4.9	8.5	8.2	1.7	1.6	18.8	18.0	20.5	19.7	17.0	16.4	6.8	6.6	11.9	11.5	5.1	4.9	8.5	8.2
Spain, Castile and León * ‡	120.2	100	12.1	10.0	10.1	8.4	5.6	4.7	8.4	7.0	23.3	19.4	31.8	26.4	20.9	17.4	0	0	18.5	15.4	21.3	17.7	0	0
Spain, Castile-La Mancha *	121.8	100	16.4	13.5	11.6	9.5	12.6	10.3					30.0	24.6	10.6	8.7	5.3	4.4	12.1	9.9	23.2	19.0	0	0
Spain, Catalonia	156.7	100	18.0	11.5	8.9	5.7	9.6	6.1	3.3	2.1	31.1	19.9	34.4	22.0	13.2	8.4	6.3	4.0	16.9	10.8	49.5	31.6	0	0
Spain, Extremadura	112.8	100	14.6	12.9	8.2	7.3	7.3	6.5					25.5	22.6	10.0	8.9	3.6	3.2	11.8	10.5	30.9	27.4	0.9	0.8
Spain, Galicia	145.2	100	24.4	16.8	5.1	3.5	11.3	7.8	5.8	4.0	35.8	24.6	41.6	28.6	15.0	10.3	8.4	5.8	17.9	12.3	21.5	14.8	0	0
Spain, Community of Madrid	128.3	100	17.8	13.9	5.3	4.1	9.5	7.4	2.2	1.7	29.0	22.6	31.1	24.3	16.9	13.2	3.1	2.4	21.1	16.4	23.5	18.4	0	0
Spain, Region of Murcia	132.3	100	30.0	22.7	7.5	5.7	13.0	9.8					31.4	23.7	12.3	9.3	7.5	5.7	10.9	8.2	19.8	14.9	0	0
Spain, Navarre *	130.4	100	9.4	7.2	1.6	1.2	15.7	12.0	6.3	4.8	15.7	12.0	22.0	16.9	25.1	19.3	0	0	25.1	19.3	31.4	24.1	0	0
Spain, Valencian region	140.7	100	14.8	10.5	9.2	6.5	8.6	6.1					31.2	22.2	20.6	14.6	7.0	5.0	15.4	10.9	34.0	24.1	0	0
Sweden ‡	120.5	100	17.0	14.1	2.9	2.4	8.6	7.1	8.6	7.1	19.6	16.3	28.2	23.4	19.8	16.4	0.8	0.7	28.9	24.0	14.2	11.8	0.1	0.1
the Netherlands	115.1	100	9.2	8.0	4.0	3.5	5.6	4.9	3.4	3.0	17.8	15.5	21.2	18.4	15.4	13.4	11.9	10.4	19.0	16.5	10.4	9.0	18.2	15.8
United Kingdom, All countries *	114.4	100	13.4	11.7	6.2	5.4	6.5	5.7					26.9	23.5	6.5	5.7	3.2	2.8	21.6	18.9	17.3	15.1	12.7	11.1
United Kingdom, England *	116.2	100	13.1	11.2	6.1	5.3	6.1	5.2					26.5	22.8	7.0	6.0	3.3	2.9	21.1	18.2	18.0	15.5	14.9	12.8
United Kingdom, Northern Ireland *	92.4	100	7.6	8.2	6.0	6.5	8.1	8.8					21.2	22.9	6.5	7.1	1.1	1.2	21.7	23.5	18.5	20.0	1.6	1.8
United Kingdom, Scotland	104.2	100	15.9	15.3	7.1	6.8	9.5	9.2					30.7	29.4	3.9	3.8	1.3	1.3	26.4	25.3	9.3	9.0	0	0
United Kingdom, Wales *	117.7	100	19.4	16.5	8.7	7.4	7.4	6.3					30.4	25.8	1.9	1.6	4.9	4.1	23.9	20.3	17.8	15.1	3.2	2.7

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

* Patients younger than 20 years of age are not reported

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

Table B.2.5
Incident rates per million population by cause of renal failure, adjusted
at day 1, adjusted for age and gender

	Total	GN	PN	PKD	DM			HT	RVD	Misc	Unkn	Missing
	Pmp	Pmp	Pmp	Pmp	Type I	Type II	Both	Pmp	Pmp	Pmp	Pmp	Pmp
					Pmp	Pmp	Pmp					
Austria	117.7	13.9	5.3	4.7	3.3	26.1	29.4	12.5	15.0	23.1	13.8	0
Belgium, Dutch-speaking *	161.9	16.0	6.8	7.7	3.5	26.5	30.0	19.1	7.6	59.7	15.2	0
Belgium, French-speaking *	184.2	18.4	6.5	5.6	3.3	39.0	42.3	37.4	1.9	59.7	12.3	0
Bosnia and Herzegovina	139.1	13.1	21.4	6.0	17.0	22.6	39.6	17.8	2.0	23.7	15.4	0
Denmark	129.2	14.6	6.1	10.2	11.4	19.6	31.0	12.6	0.2	23.3	31.3	0
Estonia	88.8	7.6	11.4	0.9	15.6	0	15.6	14.4	14.0	24.9	0	0
Finland	81.3	10.0	5.3	6.5	13.0	15.8	28.8	5.8	0.3	12.7	11.9	0
France	158.9	18.7	7.7	10.1			35.4	38.6	1.6	24.0	22.4	0.4
Greece	189.0	15.1	9.6	9.8	3.1	42.9	46.0	17.4	3.4	23.7	63.9	0
Iceland	66.9	12.4	8.2	3.0	0	4.7	4.7	23.3	0	12.7	2.6	0
Montenegro *	98.7	12.0	3.5	6.9	1.5	31.6	33.1	23.0	0	10.0	10.2	0
Norway	108.7	16.3	4.8	7.4	5.8	12.8	18.7	34.1	0.6	23.8	2.9	0
Romania	150.7	22.4	7.4	3.6			21.8	8.8	1.4	28.7	56.4	0
Serbia	126.7	11.4	11.9	6.2	10.5	21.2	31.7	31.2	2.6	17.2	12.0	2.6
Spain, Andalusia	129.9	10.0	8.8	7.3			33.9	12.3	0	19.7	38.0	0
Spain, Aragon	112.9	16.8	4.7	9.4	5.9	21.6	27.5	23.3	2.9	18.6	9.5	0
Spain, Asturias	116.6	19.3	5.7	10.1	4.8	21.6	26.5	14.8	3.0	18.5	18.5	0
Spain, Basque country	96.6	10.3	3.6	8.1	3.1	13.2	16.2	21.7	1.5	8.9	15.7	10.7
Spain, Cantabria *	95.1	18.8	4.4	7.6	1.7	17.1	18.8	16.5	6.8	10.1	4.3	7.9
Spain, Castile and León * ‡	96.3	9.4	7.2	4.9	7.8	18.6	26.4	15.4	0	15.4	17.7	0
Spain, Castile-La Mancha *	124.4	17.0	11.4	12.5			32.5	10.4	5.5	12.4	22.7	0
Spain, Catalonia	154.7	18.0	8.7	9.5	3.1	31.4	34.5	12.7	5.9	16.8	48.5	0
Spain, Extremadura	106.4	14.0	7.6	7.2			23.9	9.6	3.1	11.2	28.7	1.0
Spain, Galicia	121.4	21.7	4.4	10.4	5.5	29.1	34.5	11.6	6.4	16.0	16.3	0
Spain, Community of Madrid	136.3	18.4	5.6	9.6	2.1	31.7	33.8	18.0	3.2	22.6	25.1	0
Spain, Region of Murcia	148.6	33.0	8.1	14.0			35.9	14.3	8.7	12.8	21.8	0
Spain, Navarre *	126.0	9.7	1.4	14.8	6.0	15.2	21.2	23.6	0	24.5	30.7	0
Spain, Valencian region	136.7	14.4	9.0	8.3			30.7	19.8	6.8	15.2	32.4	0
Sweden ‡	115.7	16.8	2.7	8.5	8.9	18.2	27.1	18.3	0.8	27.7	13.8	0.1
the Netherlands	113.8	9.1	3.9	5.5	3.4	17.2	20.6	15.6	12.0	18.8	10.5	17.7
United Kingdom, All countries *	116.0	13.6	6.3	6.6			27.5	6.5	3.1	22.0	17.4	12.9
United Kingdom, England *	118.4	13.4	6.2	6.3			27.3	7.1	3.3	21.6	18.2	15.1
United Kingdom, Northern Ireland *	101.8	8.2	6.5	8.7			23.3	7.4	1.4	24.0	20.5	1.8
United Kingdom, Scotland	102.4	15.7	7.0	9.3			30.1	3.8	1.3	25.8	9.3	0
United Kingdom, Wales *	111.0	18.7	8.6	7.1			29.0	1.6	4.4	22.3	16.1	3.3

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

* Patients younger than 20 years of age are not reported

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

Table B.3.1
Incident counts and percentages by age and gender
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	961	635	326	15	2	10	2	5	2	102	11	71	11	31	10	316	33	205	32	111	34	283	29	195	31	88	27	245	25	154	24	91	28
Belgium, Dutch-speaking *	1043	638	405							68	7	46	7	22	5	247	24	163	26	84	21	248	24	139	22	109	27	480	46	290	45	190	47
Belgium, French-speaking *	750	506	244							63	8	40	8	23	9	219	29	151	30	68	28	204	27	146	29	58	24	264	35	169	33	95	39
Bosnia and Herzegovina	396	244	152	2	1	1	0	1	1	55	14	32	13	23	15	159	40	108	44	51	34	110	28	63	26	47	31	70	18	40	16	30	20
Denmark	701	467	234	7	1	4	1	3	1	81	12	57	12	24	10	223	32	144	31	79	34	197	28	136	29	61	26	193	28	126	27	67	29
Estonia †	114	68	46	1	1	1	1	0	0	17	15	9	13	8	18	47	41	29	43	18	39	19	16	12	18	7	15	30	26	17	25	13	28
Finland	447	311	136	13	3	9	3	4	3	63	14	40	13	23	17	183	41	132	42	51	38	105	23	75	24	30	22	83	19	55	18	28	21
France †	9974	6306	3668	108	1	62	1	46	1	922	9	584	9	338	9	2756	28	1708	27	1048	29	2362	24	1534	24	828	23	3826	38	2418	38	1408	38
Greece	2127	1391	736	12	1	8	1	4	1	135	6	91	7	44	6	548	26	375	27	173	24	545	26	375	27	170	23	887	42	542	39	345	47
Iceland	18	13	5	1	6	1	8	0	0	3	17	1	8	2	40	5	28	4	31	1	20	2	11	2	15	0	0	7	39	5	38	2	40
Montenegro * †	54	38	16							14	26	10	26	4	25	26	48	18	47	8	50	9	17	7	18	2	13	5	9	3	8	2	13
Norway	494	343	151	11	2	7	2	4	3	69	14	52	15	17	11	159	32	110	32	49	32	121	24	86	25	35	23	134	27	88	26	46	30
Romania	2698	1574	1124	29	1	18	1	11	1	351	13	215	14	136	12	1186	44	734	47	452	40	700	26	385	24	315	28	432	16	222	14	210	19
Serbia	852	549	300	8	1	4	1	4	1	122	14	82	15	40	13	364	43	247	45	116	39	238	28	146	27	90	30	120	14	70	13	50	17
Spain, Andalusia	1027	659	368	6	1	5	1	1	0	158	15	95	14	63	17	345	34	236	36	109	30	267	26	162	25	105	29	251	24	161	24	90	24
Spain, Aragon †	152	97	55	1	1	0	0	1	2	15	10	7	7	8	14	53	35	32	33	21	38	38	25	30	31	9	16	45	30	29	30	17	30
Spain, Asturias †	132	89	43	2	2	2	2	0	0	4	3	2	2	2	5	63	47	41	46	21	50	34	25	25	28	9	20	30	23	19	21	11	26
Spain, Basque country	229	161	68	1	0	1	1	0	0	21	9	16	10	5	7	72	31	47	29	25	37	73	32	49	30	24	35	62	27	48	30	14	21
Spain, Cantabria *	57	39	18							8	14	5	13	3	17	22	39	15	38	7	39	17	30	13	33	4	22	10	18	6	15	4	22
Spain, Castile and León * †	283	199	84							29	10	21	11	8	10	72	26	53	27	19	23	74	26	51	25	24	28	107	38	74	37	33	40
Spain, Castile-La Mancha *	250	147	103							27	11	17	12	10	10	104	42	62	42	42	41	54	22	30	20	24	23	65	26	38	26	27	26
Spain, Catalonia †	1123	721	402	15	1	9	1	6	1	124	11	81	11	43	11	295	26	190	26	105	26	307	27	204	28	103	26	383	34	238	33	145	36
Spain, Extremadura †	125	84	41	0	0	0	0	0	0	11	9	8	9	3	7	37	30	25	30	12	29	38	31	27	32	11	27	39	31	24	28	15	37
Spain, Galicia	384	272	112	1	0	1	0	0	0	40	10	24	9	16	14	121	32	86	32	35	31	108	28	81	30	27	24	114	30	80	29	34	30
Spain, Community of Madrid	774	539	235	13	2	6	1	7	3	86	11	54	10	32	14	235	30	170	32	65	28	204	26	136	25	68	29	236	30	173	32	63	27
Spain, Region of Murcia	188	128	60	1	1	1	1	0	0	23	12	16	13	7	12	61	32	36	28	25	42	61	32	48	38	13	22	42	22	27	21	15	25
Spain, Navarre * †	83	57	26							9	11	6	11	3	12	23	28	10	18	13	50	26	31	21	37	5	19	25	30	20	35	5	19
Spain, Valencian region	685	466	219	9	1	5	1	4	2	56	8	37	8	19	9	209	31	147	32	62	28	194	28	133	29	61	28	217	32	144	31	73	33
Sweden	1049	685	364	27	3	15	2	12	3	155	15	102	15	53	15	314	30	200	29	114	31	299	29	189	28	110	30	254	24	179	26	75	21
the Netherlands	1826	1127	699	28	2	19	2	9	1	215	12	131	12	84	12	575	31	359	32	216	31	524	29	327	29	197	28	484	27	291	26	193	28
United Kingdom, All countries * †	6985	4414	2571							1052	15	621	14	431	17	2520	36	1614	37	906	35	1729	25	1070	24	659	26	1684	24	1109	25	575	22
United Kingdom, England * †	5950	3783	2167							895	15	539	14	356	16	2161	36	1397	37	764	35	1472	25	910	24	562	26	1421	24	937	25	484	22
United Kingdom, Northern Ireland * †	163	99	65							23	14	11	11	12	19	47	29	31	31	16	25	38	23	26	26	12	19	55	34	31	31	24	38
United Kingdom, Scotland	529	327	202	13	2	10	3	3	1	95	18	56	17	39	19	201	38	118	36	83	41	128	24	83	25	45	22	92	17	60	18	32	16
United Kingdom, Wales * †	352	216	136							40	11	16	8	24	18	111	32	67	31	44	32	89	25	52	24	37	27	112	32	80	37	32	23

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)

Table B.3.2
Incident rates per million (age-related) population by age and gender, 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	113.0	152.8	74.9	8.9	11.5	6.1	35.8	49.6	21.9	131.0	171.2	91.3	327.6	486.5	190.1	353.6	593.1	210.1
Belgium, Dutch-speaking *	161.9	200.4	124.3				33.6	45.1	22.0	138.0	180.5	94.8	402.1	466.5	342.0	777.5	1169.9	514.2
Belgium, French-speaking *	156.7	216.4	99.6				38.6	48.7	28.4	177.6	247.5	109.1	516.7	800.8	273.0	687.7	1210.3	389.0
Bosnia and Herzegovina	112.9	141.9	85.0	2.3	2.3	2.3	44.0	50.7	37.1	178.5	247.7	112.1	309.2	400.2	237.0	520.1	718.0	380.3
Denmark	123.0	164.9	81.6	5.2	5.8	4.6	44.9	62.6	26.9	147.1	189.3	104.6	316.9	450.0	191.0	457.8	730.3	269.0
Estonia †	86.5	110.6	65.2	3.7	7.2	0	37.4	38.7	36.1	135.4	179.5	97.0	148.2	246.1	86.4	253.9	511.1	153.1
Finland	81.8	115.8	49.0	10.8	14.6	6.8	37.2	46.1	27.9	122.8	178.0	68.2	173.9	263.1	94.1	176.5	312.8	95.1
France †	150.5	196.4	107.4	6.6	7.4	5.8	44.7	57.1	32.5	159.6	203.1	118.3	392.8	543.5	259.5	634.7	1058.0	376.2
Greece	195.3	262.9	131.4	5.6	7.3	3.8	37.3	50.1	24.4	189.6	270.1	115.2	499.1	735.9	291.9	763.5	1112.5	511.5
Iceland	55.0	79.1	30.6	11.2	22.0	0	26.3	17.2	35.8	62.1	99.5	24.8	82.5	166.2	0	358.4	588.9	181.1
Montenegro * †	86.8	123.6	50.9				65.2	92.3	37.6	155.4	217.1	95.5	186.7	331.1	73.9	149.3	230.4	94.1
Norway	96.2	132.8	59.1	8.7	10.9	6.5	39.4	57.8	20.0	121.9	165.2	76.8	259.6	375.5	147.7	374.8	614.7	214.6
Romania	136.9	163.5	111.5	7.0	8.5	5.5	50.3	59.9	40.2	223.6	283.4	166.4	395.5	504.8	312.7	281.9	391.9	217.3
Serbia	119.5	158.1	82.0	5.7	5.6	5.9	51.7	68.4	34.4	175.9	246.4	108.7	327.8	449.5	224.3	208.6	309.7	143.2
Spain, Andalusia	122.3	158.7	86.7	3.3	5.3	1.1	52.2	61.8	42.3	156.7	215.7	98.4	378.1	487.5	280.8	389.7	635.7	230.2
Spain, Aragon †	114.6	147.1	82.7	4.0	0	8.3	33.8	30.6	37.3	145.6	173.1	117.5	304.7	495.6	131.4	301.7	475.9	185.1
Spain, Asturias †	125.0	176.1	77.9	13.0	25.4	0	11.9	11.7	12.0	196.3	265.8	130.3	297.7	480.0	142.1	220.3	375.9	128.5
Spain, Basque country	105.7	153.0	61.0	2.5	4.9	0	30.5	46.0	14.7	114.9	152.6	78.5	324.6	465.7	200.6	265.8	543.1	96.6
Spain, Cantabria *	97.2	136.0	60.1	40.9	50.4	31.1	129.5	177.8	81.9	306.0	498.1	135.8	160.7	254.4	103.5			
Spain, Castile and León * †	113.8	161.7	66.9	37.4	52.7	21.2	101.3	146.3	54.3	287.1	403.5	177.5	321.2	552.5	166.4			
Spain, Castile-La Mancha *	120.8	141.2	100.2				36.8	44.7	28.4	195.1	226.3	162.1	321.4	373.6	273.7	312.2	439.9	221.7
Spain, Catalonia †	149.4	194.8	105.4	9.6	11.0	8.1	45.7	58.4	32.5	151.0	196.3	106.6	469.1	667.4	295.2	561.4	905.0	346.4
Spain, Extremadura †	114.0	154.6	74.0	0	0	0	29.3	41.6	16.4	124.5	164.5	82.7	391.8	592.0	212.9	331.2	515.3	210.8
Spain, Galicia	140.1	205.3	79.1	2.3	4.5	0	44.6	53.1	36.0	159.0	229.9	90.4	354.4	568.8	166.3	328.9	599.2	159.5
Spain, Community of Madrid	119.9	173.9	70.0	10.0	9.0	11.1	35.5	45.0	26.2	139.8	212.3	73.9	382.7	565.6	232.4	453.7	894.7	192.8
Spain, Region of Murcia	128.2	173.9	82.1	3.0	5.8	0	41.5	55.6	26.3	170.3	200.3	140.0	562.6	943.9	225.8	389.4	621.4	232.8
Spain, Navarre * †	130.4	180.5	81.1				42.0	54.9	28.6	134.2	115.1	154.0	443.9	742.3	165.1	404.7	823.0	133.4
Spain, Valencian region	136.9	188.3	86.6	9.1	9.8	8.3	31.4	40.5	21.9	157.1	223.2	92.3	413.6	601.8	245.9	500.1	830.7	280.2
Sweden	108.2	141.4	75.0	12.3	13.3	11.2	48.9	63.0	34.1	129.1	163.0	94.6	280.7	360.5	203.3	307.0	524.4	154.3
the Netherlands	108.3	134.9	82.1	7.3	9.7	4.8	40.3	48.9	31.6	121.5	151.2	91.6	307.8	391.6	227.1	383.8	577.4	255.0
United Kingdom, All countries * †	108.1	138.8	78.4				49.1	58.0	40.2	152.9	198.7	108.4	279.1	359.0	204.9	323.1	513.6	188.4
United Kingdom, England * †	109.5	141.3	78.7				49.4	59.4	39.3	157.3	206.1	109.8	285.2	365.9	210.2	324.9	515.0	189.5
United Kingdom, Northern Ireland * †	88.7	109.3	69.0				37.7	36.6	38.7	101.6	134.3	69.8	239.2	343.2	144.4	435.6	608.9	319.6
United Kingdom, Scotland	98.9	125.9	73.4	11.2	16.8	5.3	54.5	65.3	44.0	136.5	164.5	109.9	239.2	327.1	159.9	212.4	346.6	123.0
United Kingdom, Wales * †	113.8	141.8	86.8				42.2	34.0	50.4	136.4	169.0	105.2	263.0	316.4	212.5	404.2	694.6	196.5

* 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.3.3
Gender, 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	63.8	16.0	66.6	66.1	63.3	15.9	66.8	33.9	64.8	16.1	66.3
Belgium, Dutch-speaking *	100	70.1	14.2	73.5	61.2	69.3	14.3	73.0	38.8	71.4	14.0	74.3
Belgium, French-speaking *	100	67.4	14.6	69.3	67.5	67.4	14.1	68.8	32.5	67.3	15.6	69.7
Bosnia and Herzegovina	100	61.1	14.5	63.1	61.6	60.9	14.2	62.1	38.4	61.4	15.1	65.2
Denmark	100	63.7	15.7	67.4	66.6	63.6	16.0	67.5	33.4	64.0	14.9	67.0
Estonia †	100	62.0	15.5	62.6	59.8	60.5	15.6	62.5	40.2	63.9	15.4	64.2
Finland	100	59.5	16.9	61.7	69.6	59.7	16.5	62.1	30.4	59.0	18.0	59.6
France †	100	67.1	16.4	69.6	63.2	67.1	16.3	69.6	36.8	67.1	16.7	69.5
Greece	100	69.1	14.8	71.9	65.4	68.4	14.7	71.0	34.6	70.3	15.0	74.1
Iceland	100	61.0	22.3	63.6	72.2	62.7	22.5	67.4	27.8	56.5	23.7	56.4
Montenegro * †	100	55.8	15.0	58.8	70.4	56.6	15.8	58.8	29.6	53.7	13.5	55.9
Norway	100	62.1	17.6	65.9	69.4	61.8	17.9	65.7	30.6	62.8	17.0	66.7
Romania	100	60.7	14.5	62.8	58.3	60.0	14.4	61.8	41.7	61.7	14.6	64.0
Serbia	100	60.2	14.2	62.3	64.4	59.9	13.9	61.6	35.2	60.9	14.9	64.4
Spain, Andalusia	100	62.3	15.9	65.3	64.2	62.1	16.0	64.6	35.8	62.6	15.9	65.7
Spain, Aragon †	100	64.8	14.6	66.1	63.7	67.0	11.9	67.3	36.3	60.4	18.4	61.0
Spain, Asturias †	100	63.0	13.5	64.4	67.5	62.7	14.3	64.5	32.5	63.7	11.8	63.3
Spain, Basque country	100	65.3	13.8	67.7	70.3	65.8	14.5	68.0	29.7	64.2	12.0	67.4
Spain, Cantabria *	100	62.0	13.4	64.8	68.4	62.0	13.9	63.9	31.6	62.0	12.8	64.8
Spain, Castile and León * †	100	66.5	15.1	71.0	70.3	65.9	15.1	70.8	29.7	67.9	15.0	71.2
Spain, Castile-La Mancha *	100	63.8	13.9	64.3	58.8	63.7	13.5	64.0	41.2	63.9	14.5	64.8
Spain, Catalonia †	100	65.2	16.5	69.1	64.2	65.1	16.1	68.8	35.8	65.4	17.1	69.8
Spain, Extremadura †	100	65.9	14.3	70.1	67.3	65.4	14.1	69.1	32.7	66.8	15.0	71.3
Spain, Galicia	100	65.0	14.4	68.0	70.8	65.4	14.0	68.2	29.2	63.9	15.5	67.4
Spain, Community of Madrid	100	64.2	16.3	67.5	69.6	65.0	15.7	67.5	30.4	62.5	17.4	67.5
Spain, Region of Murcia	100	63.2	14.5	66.6	68.1	63.7	14.6	67.7	31.9	62.2	14.3	63.7
Spain, Navarre * †	100	65.6	15.2	69.4	68.7	68.2	14.9	71.6	31.3	60.7	15.0	61.0
Spain, Valencian region	100	65.9	15.1	68.9	68.0	65.9	14.9	68.6	32.0	65.9	15.5	69.8
Sweden	100	61.9	17.7	66.4	65.3	62.3	17.7	66.8	34.7	61.1	17.7	65.3
the Netherlands	100	63.5	16.2	67.0	61.7	63.3	16.4	67.1	38.3	63.9	15.9	66.7
United Kingdom, All countries * †	100	62.2	15.6	64.5	63.2	62.6	15.5	64.7	36.8	61.7	15.7	64.3
United Kingdom, England * †	100	62.3	15.6	64.4	63.6	62.5	15.5	64.4	36.4	61.8	15.6	64.4
United Kingdom, Northern Ireland * †	100	63.6	16.1	67.6	60.4	64.5	15.4	68.3	39.6	62.3	17.1	66.5
United Kingdom, Scotland	100	58.5	17.2	60.9	61.8	58.6	17.7	62.4	38.2	58.2	16.5	59.6
United Kingdom, Wales * †	100	65.2	14.4	67.5	61.3	67.0	13.4	69.1	38.7	62.3	15.5	64.7

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
Incident rates per million population and percentages by cause of renal failure, unadjusted
at day 91

	Total		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type I		Type II		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Austria	113.0	100	13.6	12.1	5.2	4.6	4.7	4.2	3.3	2.9	25.6	22.7	28.9	25.6	12.6	11.1	14.7	13.0	19.7	17.5	13.5	12.0	0	0
Belgium, Dutch-speaking *	161.9	100	16.3	10.1	7.0	4.3	7.8	4.8	3.3	2.0	26.8	16.6	30.1	18.6	20.8	12.8	7.9	4.9	56.5	34.9	15.5	9.6	0	0
Belgium, French-speaking *	156.7	100	16.3	10.4	5.2	3.3	5.4	3.5	3.1	2.0	33.2	21.2	36.3	23.2	33.4	21.3	1.7	1.1	47.6	30.4	10.7	6.8	0	0
Bosnia and Herzegovina	112.9	100	10.8	9.6	15.1	13.4	6.0	5.3	15.4	13.6	18.0	15.9	33.4	29.5	15.7	13.9	0.6	0.5	18.2	16.2	13.1	11.6	0	0
Denmark	123.0	100	14.2	11.6	5.3	4.3	10.0	8.1	11.2	9.1	18.8	15.3	30.0	24.4	11.9	9.7	0	0	21.8	17.7	29.8	24.3	0	0
Estonia †	86.5	100	7.6	8.8	11.4	13.2	0.8	0.9	14.2	16.4	0	0	14.2	16.4	14.5	16.7	13.7	15.8	24.3	28.2	0	0	0	0
Finland	81.8	100	9.9	12.1	5.3	6.5	6.8	8.3	12.8	15.7	16.5	20.1	29.3	35.8	5.9	7.2	0.4	0.4	12.1	14.8	12.3	15.0	0	0
France †	150.5	100	17.7	11.8	7.4	4.9	9.8	6.5			33.6	22.3	37.5	24.9	1.3	0.9	21.9	14.6	20.8	13.8	0.4	0.3		
Greece	195.3	100	15.3	7.9	9.7	5.0	10.0	5.1	2.9	1.5	45.8	23.5	48.7	25.0	18.5	9.5	3.5	1.8	22.8	11.7	66.7	34.1	0	0
Iceland	55.0	100	12.2	22.2	6.1	11.1	3.1	5.6	0	0	3.1	5.6	3.1	5.6	15.3	27.8	0	0	12.2	22.2	3.1	5.6	0	0
Montenegro * †	86.8	100	9.1	10.5	3.2	3.7	6.4	7.4	1.6	1.9	30.6	35.2	32.2	37.0	20.9	24.1	0	0	9.6	11.1	5.4	6.2	0	0
Norway	96.2	100	15.6	16.2	4.7	4.9	6.8	7.1	5.3	5.5	11.5	11.9	16.7	17.4	29.0	30.2	0.4	0.4	20.4	21.3	2.5	2.6	0	0
Romania	136.9	100	21.4	15.6	7.0	5.1	3.7	2.7			20.2	14.8	7.8	5.7	1.1	0.8	24.7	18.1	51.0	37.3	0	0		
Serbia	119.5	100	11.1	9.3	10.7	8.9	6.0	5.0	10.1	8.5	21.0	17.6	31.1	26.1	30.4	25.5	2.1	1.8	14.4	12.1	11.2	9.4	2.4	2.0
Spain, Andalusia	122.3	100	9.6	7.9	8.5	6.9	7.7	6.3			31.7	25.9	11.3	9.3	0	0	18.1	14.8	35.4	28.9	0	0		
Spain, Aragon †	114.6	100	16.3	14.2	5.3	4.6	8.8	7.7	6.0	5.3	22.1	19.3	28.1	24.5	26.1	22.8	3.8	3.3	15.8	13.8	10.5	9.2	0	0
Spain, Asturias †	125.0	100	21.4	17.1	5.7	4.5	12.3	9.8	5.7	4.5	25.5	20.4	31.2	24.9	17.6	14.1	2.5	2.0	16.4	13.1	17.9	14.4	0	0
Spain, Basque country	105.7	100	11.1	10.5	4.2	3.9	9.2	8.7	3.2	3.1	13.8	13.1	17.1	16.2	25.4	24.0	1.8	1.7	9.7	9.2	16.2	15.3	11.1	10.5
Spain, Cantabria *	97.2	100	18.8	19.3	5.1	5.3	8.5	8.8	1.7	1.8	17.0	17.5	18.8	19.3	15.3	15.8	6.8	7.0	11.9	12.3	3.4	3.5	8.5	8.8
Spain, Castile and León * † ‡	113.8	100	11.0	9.7	9.0	7.9	5.1	4.5	8.4	7.4	23.3	20.5	31.8	27.9	19.3	17.0	0	0	16.9	14.8	20.8	18.3	0	0
Spain, Castile-La Mancha *	120.8	100	16.4	13.6	11.6	9.6	13.0	10.8			30.0	24.8	10.6	8.8	4.3	3.6	12.6	10.4	22.2	18.4	0	0		
Spain, Catalonia †	149.4	100	17.8	11.9	8.2	5.5	9.6	6.4	3.3	2.2	29.5	19.8	32.9	22.0	12.5	8.3	5.9	3.9	16.5	11.1	46.1	30.9	0	0
Spain, Extremadura †	114.0	100	15.8	13.8	8.2	7.2	7.3	6.4			23.0	20.2	10.0	8.8	3.6	3.2	11.8	10.4	32.1	28.2	2.1	1.9		
Spain, Galicia	140.1	100	24.1	17.2	5.1	3.6	11.3	8.1	6.2	4.4	34.7	24.7	40.9	29.2	14.2	10.2	7.7	5.5	16.4	11.7	20.4	14.6	0	0
Spain, Community of Madrid	119.9	100	17.4	14.5	5.0	4.1	9.3	7.8	1.9	1.6	27.0	22.5	28.8	24.0	15.8	13.2	2.9	2.5	18.9	15.8	21.8	18.2	0	0
Spain, Region of Murcia	128.2	100	30.0	23.4	7.5	5.9	13.0	10.1			29.3	22.9	11.6	9.0	7.5	5.9	9.5	7.4	19.8	15.4	0	0		
Spain, Navarre * †	130.4	100	9.4	7.2	1.6	1.2	15.7	12.0	6.3	4.8	15.7	12.0	22.0	16.9	25.1	19.3	0	0	25.1	19.3	31.4	24.1	0	0
Spain, Valencian region	136.9	100	14.4	10.5	9.2	6.7	8.4	6.1			30.6	22.3	20.2	14.7	6.0	4.4	15.0	10.9	33.2	24.2	0	0		
Sweden ‡	108.2	100	16.5	15.3	2.5	2.3	8.5	7.8	7.9	7.3	17.4	16.1	25.4	23.5	18.0	16.7	0.6	0.6	23.5	21.7	13.1	12.1	0.1	0.1
the Netherlands	108.3	100	9.0	8.3	3.9	3.6	5.5	5.0	3.4	3.2	17.3	16.0	20.8	19.2	14.9	13.7	11.3	10.4	15.8	14.6	9.4	8.7	17.8	16.5
United Kingdom, All countries * †	108.1	100	13.0	12.1	5.8	5.4	6.5	6.0			25.7	23.8	6.3	5.8	2.9	2.7	20.3	18.7	16.2	15.0	11.3	10.5		
United Kingdom, England * †	109.5	100	12.7	11.6	5.7	5.2	6.1	5.5			25.3	23.1	6.8	6.2	3.0	2.8	19.7	18.0	16.9	15.5	13.3	12.2		
United Kingdom, Northern Ireland * †	88.7	100	6.9	7.8	5.3	5.9	8.1	9.2			21.2	23.9	6.5	7.3	1.1	1.2	20.3	22.9	17.7	20.0	1.6	1.8		
United Kingdom, Scotland	98.9	100	15.3	15.5	6.5	6.6	9.3	9.5			29.0	29.3	3.9	4.0	1.1	1.1	24.9	25.1	8.8	8.9	0	0		
United Kingdom, Wales * †	113.8	100	19.0	16.7	9.2	8.0	7.4	6.5			30.0	26.3	1.9	1.7	4.9	4.3	23.5	20.6	16.1	14.1	1.9	1.7		

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

* Patients younger than 20 years of age are not reported

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

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

Table B.3.5
Incident rates per million population by cause of renal failure, adjusted
at day 91, adjusted for age and gender

	Total	GN	PN	PKD	DM			HT	RVD	Misc	Unkn	Missing
					Type I	Type II	Both					
					Pmp	Pmp	Pmp					
Austria	109.3	13.1	5.1	4.4	3.3	24.7	28.0	12.0	14.0	19.5	13.1	0
Belgium, Dutch-speaking *	147.5	15.3	6.3	7.5	3.2	24.9	28.1	18.4	6.8	50.5	14.6	0
Belgium, French-speaking *	166.1	17.2	5.6	5.5	3.3	35.9	39.1	35.2	1.6	50.2	11.5	0
Bosnia and Herzegovina	132.1	12.6	19.4	6.3	16.5	21.0	37.5	17.8	0.6	23.1	14.8	0
Denmark	121.3	14.0	5.3	10.0	11.1	17.9	28.9	11.9	0	21.6	29.5	0
Estonia †	87.8	7.6	11.4	0.9	14.8	0	14.8	14.4	14.0	24.8	0	0
Finland	78.7	9.9	5.1	6.4	12.8	15.0	27.9	5.6	0.3	11.7	11.7	0
France †	146.9	17.8	7.3	9.9			33.1	35.3	1.3	21.8	19.9	0.4
Greece	170.5	14.3	8.5	9.5	2.9	39.6	42.6	16.2	3.0	20.1	56.3	0
Iceland	62.2	12.4	8.2	3.0	0	4.7	4.7	18.6	0	12.7	2.6	0
Montenegro * †	91.6	10.2	3.5	6.9	1.5	31.8	33.3	23.0	0	9.8	6.1	0
Norway	102.4	15.9	4.7	7.4	5.4	12.3	17.7	31.7	0.4	21.9	2.7	0
Romania	135.7	21.2	6.9	3.6			19.8	7.7	1.2	24.5	50.8	0
Serbia	109.6	10.9	9.9	5.6	9.7	18.3	28.0	27.4	1.9	13.2	10.5	2.2
Spain, Andalusia	127.6	9.7	8.6	7.8			33.4	11.8	0	18.9	37.2	0
Spain, Aragon †	104.3	16.2	4.7	8.4	5.9	19.5	25.3	22.0	2.9	15.4	9.5	0
Spain, Asturias †	105.3	18.1	5.7	10.0	4.8	21.6	26.5	14.1	2.2	13.7	15.6	0
Spain, Basque country	92.0	9.9	3.5	8.0	3.1	12.3	15.3	21.6	1.6	8.5	14.0	9.5
Spain, Cantabria *	88.9	17.0	4.4	7.6	1.7	15.6	17.3	14.7	6.8	10.1	3.1	8.0
Spain, Castile and León * † ‡	92.0	8.7	6.9	4.6	7.8	18.6	26.4	14.4	0	14.0	17.3	0
Spain, Castile-La Mancha *	123.5	16.9	11.3	13.1			32.6	10.4	4.4	13.0	21.8	0
Spain, Catalonia †	147.7	17.8	8.1	9.6	3.1	29.7	32.8	12.1	5.7	16.5	45.3	0
Spain, Extremadura †	107.5	15.3	7.6	7.2			21.8	9.2	3.1	11.2	30.2	1.7
Spain, Galicia	117.0	21.4	4.3	10.3	5.8	28.0	33.8	11.1	5.8	14.8	15.6	0
Spain, Community of Madrid	127.0	17.9	5.2	9.4	1.8	29.5	31.2	16.8	3.1	20.3	23.1	0
Spain, Region of Murcia	144.5	33.2	8.1	14.1			33.9	13.4	8.7	11.3	21.8	0
Spain, Navarre * †	125.5	9.7	1.4	14.9	6.0	15.2	21.2	23.3	0	24.5	30.5	0
Spain, Valencian region	133.1	14.0	9.0	8.2			30.2	19.4	5.9	14.8	31.6	0
Sweden ‡	104.2	16.3	2.3	8.4	8.2	16.0	24.2	16.7	0.6	22.7	12.7	0.1
the Netherlands	107.1	8.8	3.8	5.3	3.4	16.8	20.2	15.1	11.4	15.7	9.5	17.4
United Kingdom, All countries * †	109.7	13.3	5.9	6.6			26.3	6.3	2.9	20.6	16.4	11.5
United Kingdom, England * †	111.7	13.1	5.8	6.2			26.0	6.9	3.0	20.2	17.1	13.5
United Kingdom, Northern Ireland * †	97.6	7.5	5.6	8.7			23.4	7.4	1.4	22.5	19.9	1.8
United Kingdom, Scotland	97.2	15.2	6.4	9.1			28.5	3.7	1.1	24.3	8.8	0
United Kingdom, Wales * †	107.1	18.3	8.9	7.1			28.6	1.6	4.4	21.8	14.4	2.4

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)

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

Table B.3.6
Incident counts by established therapy
at day 91

	Total	Haemodialysis						Peritoneal dialysis				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	Deceased	Tx type Unkn	Total Tx		
		N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Austria	961	699	0	2	0	113	814	35	77	4	116	21	9	1	31	0	0
Belgium, Dutch-speaking *	1043	623	0	0	2	303	928	57	33	0	90	7	18	0	25	0	0
Belgium, French-speaking *	750	471	5	0	12	146	634	37	53	0	90	6	12	0	18	0	8
Bosnia and Herzegovina	396	360	0	0	0	19	379	0	17	0	17	0	0	0	0	0	0
Denmark	701	429	0	0			429	111	97	0	208	36	28	0	64	0	0
Estonia †	114	85	0	0	0	6	91	18	3	0	21	0	1	0	1	0	0
Finland	447	275	19	0	0	22	316	68	58	0	126	2	3	0	5	0	0
France †	9974	6754	6	14	16	1530	8321	378	786	0	1164	190	288	0	478	11	0
Greece	2127	1857	0	0	0	99	1956	71	92	0	163	8	0	0	8	0	0
Iceland	18	12	0	0			12			2	2	4	0	0	4	0	0
Montenegro * †	54	52	0	0	0	0	52	0	0	0	0	2	0	0	2	0	0
Norway	494	336	0	0			336			83	83	31	44	0	75	0	0
Romania	2698	2536	0	0	1	1	2538	0	112	0	112	18	23	7	48	0	0
Serbia	852	736	1	0	0	15	752	1	90	0	91	8	1	0	9	0	0
Spain, Andalusia	1027	793	2	0			795			172	172	31	29	0	60	0	0
Spain, Aragon †	152	99	1	0		5	105	3	33	0	36	10	2	0	12	0	0
Spain, Asturias †	132	93	0	0			93	9	23	0	32	1	6	0	7	0	0
Spain, Basque country	229	156	3	0			159	2	52	0	54	13	2	0	15	1	0
Spain, Cantabria *	57	43	0	0			43	0	9	0	9	1	4	0	5	0	0
Spain, Castile and León * †	283	215	2	0			217	26	30	0	57	0	9	0	9	0	0
Spain, Castile-La Mancha *	250	196	0	0			196	11	36	0	47		7	7	0	0	0
Spain, Catalonia †	1123	508	0	0		381	889	31	93	0	124	75	36	0	111	0	0
Spain, Extremadura †	125	106	0	0			106	5	14	0	19	0	0	0	0	0	1
Spain, Galicia	384	291	0	0	0	1	292	17	59	0	76	15	0	1	16	0	0
Spain, Community of Madrid	774	592	1	0			593	20	85	17	122	9	50	0	59	0	0
Spain, Region of Murcia	188	158	0	0			158	1	23	0	24	4	2	0	6	0	0
Spain, Navarre * †	83	57	4	0			61			19	19	1	2	0	3	0	0
Spain, Valencian region	685	524	5	0			529	6	135	0	141	4	10	0	14	1	0
Sweden	1049	0	3	637			640			314	314	58	37	0	95	0	0
the Netherlands	1826	1270	4	0			1274	105	187	0	292	226	33	1	260	0	0
United Kingdom, All countries * † §	6985	4207	57	1	9	605	4879	651	726	33	1410	360	320	17	696	0	0
United Kingdom, England * †	5950	3459	52	0	10	587	4107	578	632	32	1242	299	286	16	601	0	0
United Kingdom, Northern Ireland * †	163	119	1	1	0	1	122	19	0	0	19	18	3	0	22	0	0
United Kingdom, Scotland	529	397	2	0			399	45	34	0	79	30	20	1	51	0	0
United Kingdom, Wales * †	352	238	2	0	0	18	258	9	59	1	69	15	10	0	25	0	0

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

* Patients younger than 20 years of age are not reported

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

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

Table B.3.7
Incident rates per million population by established therapy, unadjusted
at day 91

	Total	Haemodialysis						Peritoneal dialysis				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	Deceased	Tx type Unkn	Total Tx		
Austria	113.0	82.2	0	0.2	0	13.3	95.7	4.1	9.1	0.5	13.6	2.5	1.1	0.1	3.6	0	0
Belgium, Dutch-speaking *	161.9	96.7	0	0	0.3	47.0	144.0	8.8	5.1	0	14.0	1.1	2.8	0	3.9	0	0
Belgium, French-speaking *	156.7	98.4	1.0	0	2.5	30.5	132.4	7.7	11.1	0	18.8	1.3	2.5	0	3.8	0	1.7
Bosnia and Herzegovina	112.9	102.6	0	0	0	5.4	108.0	0	4.8	0	4.8	0	0	0	0	0	0
Denmark	123.0	75.3	0	0			75.3	19.5	17.0	0	36.5	6.3	4.9	0	11.2	0	0
Estonia †	86.5	64.9	0	0	0	4.6	69.5	13.7	2.3	0	16.0	0	1.0	0	1.0	0	0
Finland	81.8	50.4	3.5	0	0	4.0	57.9	12.5	10.6	0	23.1	0.4	0.5	0	0.9	0	0
France †	150.5	101.9	0.1	0.2	0.2	23.1	125.6	5.7	11.9	0	17.6	2.9	4.3	0	7.2	0.2	0
Greece	195.3	170.5	0	0	0	9.1	179.6	6.5	8.4	0	15.0	0.7	0	0	0.7	0	0
Iceland	55.0	36.7	0	0			36.7			6.1	6.1	12.2	0	0	12.2	0	0
Montenegro * †	86.8	83.6	0	0	0	0	83.6	0	0	0	0	3.2	0	0	3.2	0	0
Norway	96.2	65.4	0	0			65.4			16.2	16.2	6.0	8.6	0	14.6	0	0
Romania	136.9	128.7	0	0	0.1	0.1	128.8	0	5.7	0	5.7	0.9	1.2	0.4	2.4	0	0
Serbia	119.5	103.2	0.1	0	0	2.1	105.5	0.1	12.6	0	12.8	1.1	0.1	0	1.3	0	0
Spain, Andalusia	122.3	94.5	0.2	0			94.7				20.5	3.7	3.5	0	7.1	0	0
Spain, Aragon †	114.6	74.2	0.8	0		3.8	78.8	2.3	24.8	0	27.1	7.3	1.5	0	8.8	0	0
Spain, Asturias †	125.0	88.1	0	0			88.1	8.8	21.7	0	30.5	0.9	5.4	0	6.3	0	0
Spain, Basque country	105.7	72.0	1.4	0			73.4	0.9	24.0	0	24.9	6.0	0.9	0	6.9	0.5	0
Spain, Cantabria *	97.2	73.3	0	0			73.3	0	15.3	0	15.3	1.7	6.8	0	8.5	0	0
Spain, Castile and León * †	113.8	86.6	0.8	0			87.4	10.6	12.2	0	22.8	0	3.6	0	3.6	0	0
Spain, Castile-La Mancha *	120.8	94.7	0	0			94.7	5.3	17.4	0	22.7			3.4	3.4	0	0
Spain, Catalonia †	149.4	67.6	0	0		50.7	118.2	4.1	12.4	0	16.5	9.9	4.8	0	14.7	0	0
Spain, Extremadura †	114.0	96.1	0	0			96.1	4.5	12.4	0	17.0	0	0	0	0	0	0.9
Spain, Galicia	140.1	106.2	0	0	0	0.4	106.5	6.2	21.5	0	27.7	5.5	0	0.4	5.8	0	0
Spain, Community of Madrid	119.9	91.7	0.2	0			91.9	3.1	13.2	2.6	18.9	1.4	7.7	0	9.1	0	0
Spain, Region of Murcia	128.2	107.7	0	0			107.7	0.7	15.7	0	16.4	2.7	1.4	0	4.1	0	0
Spain, Navarre * †	130.4	89.6	5.8	0			95.3			29.9	29.9	1.6	3.7	0	5.2	0	0
Spain, Valencian region	136.9	104.7	1.0	0			105.7	1.2	27.0	0	28.2	0.8	2.0	0	2.8	0.2	0
Sweden	108.2	0	0.3	65.7			66.0			32.4	32.4	6.0	3.8	0	9.8	0	0
the Netherlands	108.3	75.3	0.2	0			75.5	6.2	11.1	0	17.3	13.4	2.0	0.1	15.4	0	0
United Kingdom, All countries * † §	108.1	65.1	0.9	0	0.1	9.4	75.5	10.1	11.2	0.5	21.8	5.6	4.9	0.3	10.8	0	0
United Kingdom, England * †	109.5	63.7	1.0	0	0.2	10.8	75.6	10.6	11.6	0.6	22.9	5.5	5.3	0.3	11.1	0	0
United Kingdom, Northern Ireland * †	88.7	64.7	0.5	0.5	0	0.4	66.5	10.5	0	0	10.5	10.0	1.8	0	11.8	0	0
United Kingdom, Scotland * †	98.9	74.2	0.4	0			74.6	8.4	6.4	0	14.8	5.6	3.7	0.2	9.5	0	0
United Kingdom, Wales * †	113.8	76.9	0.8	0	0	5.7	83.4	2.8	19.1	0.4	22.3	5.0	3.1	0	8.1	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

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

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

Table B.3.8
Incident rates per million population by established therapy, adjusted
at day 91, adjusted for age and gender

	Total	Haemodialysis						Peritoneal dialysis				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	Deceased	Tx type Unkn	Total Tx		
Austria	109.3	79.7	0	0.2	0	12.8	92.7	3.9	8.7	0.5	13.1	2.4	1.0	0.1	3.6	0	0
Belgium, Dutch-speaking *	147.5	87.7	0	0	0.3	42.5	130.5	8.3	4.8	0	13.1	1.1	2.7	0	3.9	0	0
Belgium, French-speaking *	166.1	104.3	1.1	0	2.6	32.4	140.4	8.3	11.7	0	20.0	1.3	2.6	0	3.9	0	1.7
Bosnia and Herzegovina	132.1	119.5	0	0	0	7.6	127.0	0	5.1	0	5.1	0	0	0	0	0	0
Denmark	121.3	74.9	0	0			74.9	19.0	16.3	0	35.3	6.3	4.8	0	11.1	0	0
Estonia †	87.8	66.2	0	0	0	4.3	70.5	13.8	2.4	0	16.2	0	1.0	0	1.0	0	0
Finland	78.7	48.3	3.6	0	0	3.8	55.7	11.9	10.1	0	22.1	0.4	0.6	0	0.9	0	0
France †	146.9	99.4	0.1	0.2	0.3	22.3	122.3	5.7	11.3	0	17.0	3.0	4.4	0	7.5	0.2	0
Greece	170.5	147.6	0	0	0	8.6	156.1	5.9	7.6	0	13.5	0.8	0	0	0.8	0	0
Iceland	62.2	43.4	0	0			43.4			6.2	6.2	12.6	0	0	12.6	0	0
Montenegro * †	91.6	88.4	0	0	0	0	88.4	0	0	0	0	3.1	0	0	3.1	0	0
Norway	102.4	70.3	0	0			70.3			17.4	17.4	5.9	8.8	0	14.7	0	0
Romania	135.7	127.5	0	0	0	0.1	127.6	0	5.6	0	5.6	0.9	1.2	0.4	2.5	0	0
Serbia	109.6	94.2	0.1	0	0	2.1	96.4	0.2	11.7	0	11.9	1.2	0.2	0	1.3	0	0
Spain, Andalusia	127.6	99.2	0.2	0			99.5			21.0	21.0	3.7	3.3	0	7.1	0	0
Spain, Aragon †	104.3	65.7	0.5	0		3.7	69.8	2.1	23.5	0	25.6	7.2	1.6	0	8.8	0	0
Spain, Asturias †	105.3	72.9	0	0			72.9	9.2	18.0	0	27.2	0.8	4.7	0	5.5	0	0
Spain, Basque country	92.0	61.9	1.2	0			63.1	0.7	21.3	0	22.0	5.4	1.1	0	6.5	0.4	0
Spain, Cantabria *	88.9	67.4	0	0			67.4	0	13.7	0	13.7	1.5	6.3	0	7.8	0	0
Spain, Castile and León * †	92.0	68.4	0.7	0			69.1	9.3	10.5	0	19.7	0	3.6	0	3.6	0	0
Spain, Castile-La Mancha *	123.5	96.9	0	0			96.9	5.3	17.9	0	23.2			3.5	3.5	0	0
Spain, Catalonia †	147.7	67.0	0	0		50.0	117.0	4.1	12.4	0	16.3	9.9	4.7	0	14.6	0	0
Spain, Extremadura †	107.5	90.5	0	0			90.5	4.5	11.6	0	16.1	0	0	0	0	0	0.9
Spain, Galicia	117.0	86.6	0	0	0	0.3	86.9	5.9	18.6	0	24.5	5.3	0	0.3	5.6	0	0
Spain, Community of Madrid	127.0	97.5	0.1	0			97.6	3.2	14.0	2.7	20.0	1.3	8.2	0	9.5	0	0
Spain, Region of Murcia	144.5	122.0	0	0			122.0	0.7	17.9	0	18.6	2.7	1.2	0	3.9	0	0
Spain, Navarre * †	125.5	85.8	5.7	0			91.1			29.1	29.1	1.6	3.7	0	5.3	0	0
Spain, Valencian region	133.1	101.2	1.0	0			102.2	1.3	26.6	0	27.9	0.8	2.0	0	2.8	0.2	0
Sweden	104.2	0	0.3	63.0			63.3			30.8	30.8	6.2	3.9	0	10.1	0	0
the Netherlands	107.1	74.6	0.2	0			74.8	6.2	11.0	0	17.2	13.1	1.9	0.1	15.0	0	0
United Kingdom, All countries * † §	109.7	65.9	0.9	0	0.1	9.4	76.4	10.3	11.4	0.5	22.2	5.8	5.1	0.3	11.1	0	0
United Kingdom, England * †	111.7	64.8	1.0	0	0.2	10.9	76.9	10.8	11.9	0.6	23.4	5.7	5.5	0.3	11.5	0	0
United Kingdom, Northern Ireland * †	97.6	72.3	0.5	0.7	0	0.7	73.9	12.1	0	0	11.5	10.5	1.9	0	12.4	0	0
United Kingdom, Scotland	97.2	72.5	0.3	0			72.8	8.5	6.2	0	14.7	5.8	3.7	0.2	9.7	0	0
United Kingdom, Wales * †	107.2	71.7	0.7	0	0	5.5	77.6	2.7	18.1	0.4	21.1	5.3	3.1	0	8.4	0	0

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

* Patients younger than 20 years of age are not reported

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

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

Table B.3.9
Percentages of established therapy, unadjusted
at day 91

	Total	Haemodialysis						Peritoneal dialysis				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	Deceased	Tx type Unkn	Total Tx		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%		
Austria	100	72.7	0	0.2	0	11.8	84.7	3.6	8.0	0.4	12.1	2.2	0.9	0.1	3.2	0	0
Belgium, Dutch-speaking *	100	59.7	0	0	0.2	29.1	89.0	5.5	3.2	0	8.6	0.7	1.7	0	2.4	0	0
Belgium, French-speaking *	100	62.8	0.7	0	1.6	19.5	84.5	4.9	7.1	0	12.0	0.8	1.6	0	2.4	0	1.1
Bosnia and Herzegovina	100	90.9	0	0	0	4.8	95.7	0	4.3	0	4.3	0	0	0	0	0	0
Denmark	100	61.2	0	0			61.2	15.8	13.8	0	29.7	5.1	4.0	0	9.1	0	0
Estonia †	100	75.1	0	0	0	5.3	80.4	15.8	2.6	0	18.5	0	1.2	0	1.2	0	0
Finland	100	61.5	4.3	0	0	4.9	70.7	15.2	13.0	0	28.2	0.4	0.7	0	1.1	0	0
France †	100	67.7	0.1	0.1	0.2	15.3	83.4	3.8	7.9	0	11.7	1.9	2.9	0	4.8	0.1	0
Greece	100	87.3	0	0	0	4.7	92.0	3.3	4.3	0	7.7	0.4	0	0	0.4	0	0
Iceland	100	66.7	0	0			66.7			11.1	11.1	22.2	0	0	22.2	0	0
Montenegro * †	100	96.3	0	0	0	0	96.3	0	0	0	0	3.7	0	0	3.7	0	0
Norway	100	68.0	0	0			68.0			16.8	16.8	6.3	8.9	0	15.2	0	0
Romania	100	94.0	0	0	0	0	94.1	0	4.2	0	4.2	0.7	0.9	0.3	1.8	0	0
Serbia	100	86.4	0.1	0	0	1.8	88.3	0.1	10.6	0	10.7	0.9	0.1	0	1.1	0	0
Spain, Andalusia	100	77.2	0.2	0			77.4				16.7	3.0	2.8	0	5.8	0	0
Spain, Aragon †	100	64.8	0.7	0		3.3	68.7	2.0	21.7	0	23.6	6.3	1.3	0	7.7	0	0
Spain, Asturias †	100	70.5	0	0			70.5	7.1	17.4	0	24.4	0.8	4.3	0	5.0	0	0
Spain, Basque country	100	68.1	1.3	0			69.4	0.9	22.7	0	23.6	5.7	0.9	0	6.6	0.4	0
Spain, Cantabria *	100	75.4	0	0			75.4	0	15.8	0	15.8	1.8	7.0	0	8.8	0	0
Spain, Castile and León * †	100	76.1	0.7	0			76.8	9.3	10.7	0	20.0	0	3.2	0	3.2	0	0
Spain, Castile-La Mancha *	100	78.4	0	0			78.4	4.4	14.4	0	18.8			2.8	2.8	0	0
Spain, Catalonia †	100	45.2	0	0		33.9	79.1	2.8	8.3	0	11.0	6.6	3.2	0	9.9	0	0
Spain, Extremadura †	100	84.3	0	0			84.3	4.0	10.9	0	14.9	0	0	0	0	0	0.8
Spain, Galicia	100	75.8	0	0	0	0.3	76.0	4.4	15.4	0	19.8	3.9	0	0.3	4.2	0	0
Spain, Community of Madrid	100	76.5	0.1	0			76.6	2.6	11.0	2.2	15.8	1.2	6.5	0	7.6	0	0
Spain, Region of Murcia	100	84.0	0	0			84.0	0.5	12.2	0	12.8	2.1	1.1	0	3.2	0	0
Spain, Navarre * †	100	68.7	4.4	0			73.1			22.9	22.9	1.2	2.8	0	4.0	0	0
Spain, Valencian region	100	76.5	0.7	0			77.2	0.9	19.7	0	20.6	0.6	1.5	0	2.0	0.1	0
Sweden	100	0	0.3	60.7			61.0			29.9	29.9	5.5	3.5	0	9.1	0	0
the Netherlands	100	69.6	0.2	0			69.8	5.8	10.2	0	16.0	12.4	1.8	0.1	14.2	0	0
United Kingdom, All countries * † §	100	60.2	0.8	0	0.1	8.7	69.8	9.3	10.4	0.5	20.2	5.1	4.6	0.2	10.0	0	0
United Kingdom, England * †	100	58.1	0.9	0	0.2	9.9	69.0	9.7	10.6	0.5	20.9	5.0	4.8	0.3	10.1	0	0
United Kingdom, Northern Ireland * †	100	72.9	0.6	0.6	0	0.4	74.9	11.8	0	0	11.8	11.2	2.0	0	13.3	0	0
United Kingdom, Scotland	100	75.0	0.4	0			75.4	8.5	6.4	0	14.9	5.7	3.8	0.2	9.6	0	0
United Kingdom, Wales * †	100	67.5	0.7	0	0	5.0	73.3	2.5	16.8	0.4	19.6	4.4	2.7	0	7.1	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

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

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

Table B.3.10
Percentages of established therapy by age, gender, and primary diagnosis, unadjusted
at day 91

	Total				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	12	3	0	40	33	27	0	72	17	12	0	81	16	4	0	87	12	1	0	96	4	0	0	83	13	4	0	87	10	2	0	89	10	1	0	83	13	4	0
Belgium, Dutch-speaking *	89	9	2	0					68	21	12	0	79	15	6	0	92	7	1	0	96	4	0	0	88	10	2	0	90	6	3	0	94	6	1	0	88	9	3	0
Belgium, French-speaking *	85	12	2	1					70	16	11	3	79	14	4	3	87	12	1	0	90	10	0	0	85	12	2	1	83	13	3	1	90	10	0	1	83	13	3	1
Bosnia and Herzegovina	96	4	0	0	50	50	0	0	87	13	0	0	98	2	0	0	95	5	0	0	99	1	0	0	96	4	0	0	95	5	0	0	93	7	0	0	97	3	0	0
Denmark	61	30	9	0	29	29	43	0	57	25	19	0	56	28	17	0	61	34	5	0	70	30	0	0	60	31	8	0	63	26	11	0	61	33	6	0	61	28	10	0
Estonia †	81	19	1	0	100	0	0	0	76	24	0	0	79	19	2	0	79	21	0	0	87	13	0	0	79	19	1	0	82	18	0	0	68	32	0	0	83	16	1	0
Finland	71	28	1	0	31	54	15	0	68	30	2	0	70	29	1	0	78	22	0	0	71	29	0	0	71	28	1	0	69	29	1	0	76	24	0	0	68	30	2	0
France †	83	12	5	0	52	27	21	0	71	14	14	0	82	11	7	0	86	10	4	0	87	12	1	0	84	11	5	0	82	13	5	0	88	9	2	0	82	12	5	0
Greece	92	8	0	0	50	33	17	0	87	10	3	0	91	9	0	0	91	9	0	0	95	5	0	0	92	7	1	0	91	9	0	0	92	8	0	0	92	8	1	0
Iceland	67	11	22	0	100	0	0	0	33	33	33	0	20	20	60	0	100	0	0	0	100	0	0	0	62	8	31	0	80	20	0	0	100	0	0	0	65	12	24	0
Montenegro * †	96	0	4	0					86	0	14	0	100	0	0	0	100	0	0	0	100	0	0	0	97	0	3	0	94	0	6	0	100	0	0	0	94	0	6	0
Norway	68	17	15	0	9	18	73	0	61	17	22	0	65	14	21	0	69	18	12	0	79	18	3	0	67	17	16	0	70	17	13	0	76	15	9	0	66	17	16	0
Romania	94	4	2	0	90	3	7	0	88	5	8	0	94	4	2	0	96	4	0	0	97	3	0	0	93	5	2	0	95	3	1	0	95	5	0	0	94	4	2	0
Serbia	88	11	1	0	63	13	25	0	84	12	4	0	89	10	1	0	88	12	0	0	93	8	0	0	90	9	1	0	86	13	1	0	82	18	0	0	90	8	1	0
Spain, Andalusia	77	17	6	0	0	0	100	0	64	20	16	0	72	21	7	0	83	15	2	0	89	11	0	0	78	16	6	0	76	17	6	0	84	12	4	0	75	18	7	0
Spain, Aragon †	69	24	8	0	0	100	0	0	40	20	40	0	51	38	11	0	85	15	0	0	86	14	0	0	71	22	7	0	64	27	9	0	72	28	0	0	68	22	10	0
Spain, Asturias †	71	24	5	0	0	100	0	0	50	25	25	0	66	27	7	0	64	32	4	0	94	6	0	0	68	28	5	0	77	18	5	0	82	9	9	0	67	30	4	0
Spain, Basque country	69	24	7	0	0	0	100	0	43	24	33	0	58	35	6	1	77	19	4	0	84	16	0	0	70	20	9	1	68	31	1	0	70	22	8	0	69	24	6	1
Spain, Cantabria *	75	16	9	0					50	25	25	0	73	18	9	0	88	6	6	0	80	20	0	0	79	13	8	0	67	22	11	0	91	0	9	0	72	20	9	0
Spain, Castile and León * †	77	20	3	0					53	31	16	0	71	28	1	0	74	21	4	0	89	11	0	0	79	18	3	0	71	25	4	0	79	18	3	0	76	21	3	0
Spain, Castile-La Mancha *	78	19	3	0					44	41	15	0	72	25	3	0	87	13	0	0	95	5	0	0	78	20	3	0	80	17	3	0	81	19	0	0	78	19	4	0
Spain, Catalonia †	79	11	10	0	41	11	48	0	55	15	30	0	70	14	16	0	82	13	5	0	93	5	1	0	79	12	9	0	79	9	12	0	86	9	5	0	77	12	11	0
Spain, Extremadura †	84	15	0	1	0	0	0	0	73	18	0	9	75	25	0	0	91	9	0	0	90	10	0	0	83	17	0	0	88	10	0	2	88	12	0	0	83	16	0	1
Spain, Galicia	76	20	4	0	100	0	0	0	50	33	18	0	66	28	6	0	81	17	2	0	90	10	0	0	76	21	3	0	75	18	7	0	82	15	3	0	74	22	5	0
Spain, Community of Madrid	77	16	8	0	46	23	31	0	67	19	14	0	68	23	10	0	78	16	6	0	89	8	3	0	77	16	7	0	75	16	9	0	82	15	3	0	75	16	9	0
Spain, Region of Murcia	84	13	3	0	0	0	100	0	70	13	17	0	85	13	2	0	84	16	0	0	93	7	0	0	83	14	3	0	87	10	3	0	93	2	5	0	81	16	3	0
Spain, Navarre * †	73	23	4	0					44	56	0	0	61	35	4	0	79	12	9	0	88	12	0	0	73	23	4	0	73	23	4	0	86	7	7	0	71	26	3	0
Spain, Valencian region	77	21	2	0	22	44	33	0	59	34	5	2	63	33	4	0	82	18	0	0	94	6	0	0	76	22	2	0	81	17	2	0	84	15	1	0	75	22	2	0
Sweden	61	30	9	0	26	37	37	0	55	28	17	0	56	29	15	0	64	33	3	0	72	28	1	0	62	31	8	0	60	29	11	0	67	28	5	0	59	31	10	0
the Netherlands	70	16	14	0	36	18	46	0	49	18	33	0	63	16	21	0	75	15	10	0	82	17	1	0	69	17	14	0	71	15	14	0	81	17	2	0	67	16	17	0
United Kingdom, All countries * †	70	20	10	0					49	28	23	0	66	20	14	0	75	20	5	0	84	15	1	0	71	20	9	0	69	20	11	0	73	22	5	0	69	20	11	0
United Kingdom, England * †	69	21	10	0					49	29	22	0	65	20	14	0	74	20	6	0	83	17	1	0	70	21	9	0	68	20	12	0	73	22	5	0	68	21	12	0
United Kingdom, Northern Ireland * †	75	12	13	0					35	17	48	0	67	12	21	0	79	18	3	0	95	5	0	0	75	14	10	0	74	8	18	0	79	15	5	0	73	11	16	0
United Kingdom, Scotland	75	15	10	0	54	23	23	0	57	17	26	0	74	16	10	0	85	13	2	0	87	12	1	0	78	13	10	0	72	19	9	0	78	17	5	0	74	14	11	0
United Kingdom, Wales * †	73	20	7	0					56	25	19	0	60	27	13	0	74	22	4	0	92	8	0	0	74	20	6	0	72	18	10	0	74	21	5	0	73	19	8	0

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

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

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

† The 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 gender
prevalent patients on December 31

	All			0-19						20-44						45-64						65-74						75+					
	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women												
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%										
Austria	9038	5723	3315	103	1	69	1	34	1	1276	14	772	13	504	15	3723	41	2379	42	1344	41	2310	26	1537	27	773	23	1626	18	966	17	660	20
Belgium, Dutch-speaking *	7980	4756	3224							874	11	517	11	357	11	2665	33	1626	34	1039	32	1877	24	1154	24	723	22	2564	32	1459	31	1105	34
Belgium, French-speaking *	5983	3842	2141							728	12	454	12	274	13	2090	35	1346	35	744	35	1471	25	965	25	506	24	1694	28	1077	28	617	29
Bosnia and Herzegovina	2662	1569	1093	25	1	17	1	8	1	464	17	286	18	178	16	1116	42	689	44	427	39	618	23	338	22	280	26	439	16	239	15	200	18
Denmark	5164	3236	1928	82	2	49	2	33	2	955	18	593	18	362	19	2104	41	1311	41	793	41	1241	24	789	24	452	23	782	15	494	15	288	15
Estonia	834	476	358	6	1	3	1	3	1	172	21	95	20	77	22	365	44	227	48	138	39	162	19	89	19	73	20	129	15	62	13	67	19
Finland	4571	2916	1655	120	3	70	2	50	3	667	15	428	15	239	14	1948	43	1227	42	721	44	1161	25	749	26	412	25	675	15	442	15	233	14
France	80144	48719	31425	873	1	517	1	356	1	11674	15	7092	15	4582	15	30065	38	18366	38	11699	37	17649	22	11000	23	6649	21	19883	25	11744	24	8139	26
Greece	13101	8383	4718	97	1	58	1	39	1	1597	12	1020	12	577	12	4585	35	3039	36	1546	33	3104	24	1991	24	1113	24	3718	28	2275	27	1443	31
Iceland	221	133	88	7	3	5	4	2	2	56	25	29	22	27	31	73	33	46	35	27	31	52	24	31	23	21	24	33	15	22	17	11	13
Montenegro *	296	182	114							88	30	49	27	39	34	158	53	99	54	59	52	43	15	29	16	14	12	7	2	5	3	2	2
Norway	4716	3077	1639	77	2	46	1	31	2	842	18	532	17	310	19	1887	40	1250	41	637	39	1130	24	733	24	397	24	780	17	516	17	264	16
Romania //	17620	9914	7706	126	1	66	1	60	1	2934	17	1777	18	1157	15	7495	43	4289	43	3206	42	4016	23	2223	22	1793	23	3049	17	1559	16	1490	19
Serbia	5860	3542	2316	39	1	18	1	21	1	1045	18	627	18	418	18	2731	47	1676	47	1054	46	1351	23	799	23	551	24	694	12	422	12	272	12
Spain, Andalusia	9537	5827	3710	88	1	57	1	31	1	1626	17	1019	17	607	16	3847	40	2433	42	1414	38	2227	23	1361	23	866	23	1749	18	957	16	792	21
Spain, Aragon	1524	983	541	11	1	6	1	5	1	203	13	117	12	86	16	595	39	398	40	197	36	337	22	229	23	108	20	378	25	233	24	145	27
Spain, Asturias	1228	800	428	8	1	6	1	2	0	136	11	87	11	49	11	530	43	348	44	182	43	283	23	192	24	91	21	271	22	167	21	104	24
Spain, Basque country	2571	1641	930	27	1	16	1	11	1	368	14	231	14	137	15	974	38	618	38	356	38	669	26	426	26	243	26	533	21	350	21	183	20
Spain, Cantabria *	601	410	191							86	14	53	13	33	17	256	43	173	42	83	43	150	25	106	26	44	23	109	18	78	19	31	16
Spain, Castile and León *	2696	1773	923							332	12	220	12	112	12	1036	38	687	39	349	38	617	23	412	23	205	22	711	26	454	26	257	28
Spain, Castile-La Mancha *	2180	1333	847							315	14	196	15	119	14	898	41	577	43	321	38	509	23	308	23	201	24	458	21	252	19	206	24
Spain, Catalonia	9863	6175	3688	118	1	66	1	52	1	1339	14	844	14	495	13	3624	37	2299	37	1325	36	2486	25	1602	26	884	24	2296	23	1364	22	932	25
Spain, Extremadura	1221	755	466	3	0	2	0	1	0	174	14	107	14	67	14	525	43	344	46	181	39	253	21	158	21	95	20	266	22	144	19	122	26
Spain, Galicia	3468	2199	1269	16	0	9	0	7	1	482	14	287	13	195	15	1356	39	881	40	475	37	889	26	576	26	313	25	725	21	446	20	279	22
Spain, Community of Madrid	6739	4217	2522	71	1	38	1	33	1	1012	15	590	14	422	17	2597	39	1655	39	942	37	1586	24	1036	25	550	22	1473	22	898	21	575	23
Spain, Region of Murcia	1845	1179	666	12	1	10	1	2	0	259	14	161	14	98	15	731	40	467	40	264	40	440	24	293	25	147	22	403	22	248	21	155	23
Spain, Navarre *	714	456	258							103	14	62	14	41	16	286	40	178	39	108	42	189	26	127	28	62	24	136	19	89	20	47	18
Spain, Valencian region	6495	4041	2454	67	1	45	1	22	1	865	13	535	13	330	13	2365	36	1485	37	880	36	1634	25	1057	26	577	24	1564	24	919	23	645	26
Sweden	9263	5952	3311	173	2	103	2	70	2	1501	16	923	16	578	17	3710	40	2359	40	1351	41	2341	25	1539	26	802	24	1538	17	1028	17	510	15
the Netherlands	16311	9758	6553	234	1	139	1	95	1	2657	16	1596	16	1061	16	6488	40	3880	40	2608	40	3942	24	2378	24	1564	24	2990	18	1765	18	1225	19
United Kingdom, All countries *	58807	35873	22934							11957	20	7138	20	4819	21	25324	43	15383	43	9941	43	12097	21	7357	21	4740	21	9429	16	5995	17	3434	15
United Kingdom, England *	49698	30369	19329							10050	20	6018	20	4032	21	21388	43	13011	43	8377	43	10269	21	6237	21	4032	21	7991	16	5103	17	2888	15
United Kingdom, Northern Ireland *	1598	988	610							352	22	206	21	146	24	651	41	416	42	235	39	311	19	193	20	118	19	284	18	173	18	111	18
United Kingdom, Scotland	4757	2792	1965	74	2	48	2	26	1	1019	21	592	21	427	22	2131	45	1243	45	888	45	907	19	549	20	358	18	626	13	360	13	266	14
United Kingdom, Wales *	2828	1772	1056							536	19	322	18	214	20	1154	41	713	40	441	42	610	22	378	21	232	22	528	19	359	20	169	16

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

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

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

Table B.4.2
Prevalence per million (age-related) population by age and gender, 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	1062.3	1377.3	761.6	61.0	79.6	41.4	447.8	539.5	355.3	1543.0	1987.2	1105.6	2674.1	3834.5	1669.5	2347.0	3720.4	1523.7
Belgium, Dutch-speaking *	1238.4	1493.6	989.1				432.0	506.5	356.2	1489.4	1800.8	1172.2	3043.6	3872.6	2268.5	4153.0	5886.0	2990.5
Belgium, French-speaking *	1249.7	1643.3	874.0				446.2	552.8	338.1	1694.6	2206.3	1193.7	3726.1	5292.7	2381.6	4412.9	7713.1	2526.2
Bosnia and Herzegovina	758.9	912.6	611.1	28.6	38.8	18.3	370.8	452.8	287.2	1252.6	1580.3	938.6	1737.4	2147.0	1412.2	3261.9	4290.2	2535.6
Denmark	906.0	1142.9	672.2	61.4	71.5	50.6	529.4	650.9	405.5	1387.7	1723.7	1049.5	1996.5	2610.6	1415.4	1854.8	2863.3	1156.3
Estonia	634.4	774.4	511.5	22.3	21.7	22.9	378.8	408.3	347.9	1051.7	1405.3	743.9	1286.5	1825.6	946.0	1091.9	1864.2	789.3
Finland	836.9	1085.6	596.3	99.5	113.6	84.8	394.2	493.4	289.9	1307.5	1654.4	963.7	1922.8	2627.9	1292.3	1435.7	2513.8	791.6
France	1209.5	1517.6	920.0	53.5	61.9	44.6	566.1	693.4	440.8	1741.0	2183.5	1320.7	2935.0	3897.2	2083.8	3298.6	5139.1	2174.8
Greece	1202.8	1584.4	842.3	45.5	53.2	37.5	441.4	561.6	320.2	1586.3	2188.6	1029.3	2842.4	3907.2	1910.8	3200.3	4669.6	2139.2
Iceland	675.0	809.7	539.4	78.5	109.8	45.8	491.5	499.8	482.8	907.2	1144.4	670.4	2143.7	2576.7	1717.7	1689.4	2591.0	996.2
Montenegro *	476.0	592.2	362.5				409.6	452.3	366.2	956.6	1216.4	704.3	891.8	1371.7	517.1	196.0	345.5	94.1
Norway	918.0	1191.2	641.7	61.2	71.3	50.6	480.6	591.2	363.8	1447.1	1877.1	998.3	2424.7	3200.4	1675.1	2181.8	3604.6	1231.6
Romania //	894.0	1029.6	764.4	30.5	31.1	29.9	420.9	495.0	342.2	1412.7	1656.3	1180.5	2268.9	2915.0	1779.8	1989.3	2752.0	1542.1
Serbia	821.8	1020.1	633.1	27.9	25.0	30.9	442.8	523.2	359.9	1319.5	1672.0	987.5	1860.9	2459.9	1373.5	1206.3	1866.8	778.8
Spain, Andalusia	1136.1	1403.4	874.6	48.4	60.9	35.1	537.7	663.2	408.0	1747.3	2224.0	1276.5	3153.5	4095.6	2316.2	2715.2	3778.6	2026.1
Spain, Aragon	1146.9	1490.3	808.4	44.5	47.0	41.7	457.6	510.9	400.7	1644.8	2175.3	1101.9	2678.5	3825.8	1637.3	2515.3	3867.7	1610.5
Spain, Asturias	1159.6	1577.4	775.6	52.2	76.2	26.8	403.4	510.8	293.8	1660.3	2237.9	1111.7	2502.8	3686.6	1492.0	1990.0	3303.6	1214.6
Spain, Basque country	1186.9	1559.9	834.7	68.6	79.1	57.5	535.1	663.8	403.2	1554.6	2006.3	1117.8	2975.1	4049.0	2030.8	2284.9	3960.3	1263.0
Spain, Cantabria *	1024.7	1429.4	637.3	439.8	534.2	342.6	1507.1	2050.1	971.0	2700.4	4061.3	1494.2	1751.7	3307.2	802.2			
Spain, Castile and León *	1084.1	1440.6	734.8	428.1	551.8	297.3	1450.3	1884.8	997.6	2383.0	3281.3	1537.2	2127.5	3389.8	1283.3			
Spain, Castile-La Mancha *	1053.7	1280.1	824.2	429.6	514.9	337.5	1684.7	2105.9	1239.2	3030.0	3835.7	2292.1	2200.1	2917.0	1691.5			
Spain, Catalonia	1311.8	1668.1	966.2	77.4	83.9	70.4	495.0	611.3	373.7	1857.5	2379.8	1345.2	3794.9	5232.3	2533.5	3365.6	5194.2	2221.2
Spain, Extremadura	1110.4	1383.8	841.1	14.1	18.4	9.7	464.2	557.1	366.5	1767.2	2264.2	1247.0	2585.6	3422.0	1838.4	2259.1	3091.9	1714.2
Spain, Galicia	1265.3	1659.4	896.3	37.0	40.3	33.5	538.0	635.3	439.1	1781.4	2355.5	1226.8	2917.4	4045.1	1928.1	2091.4	3340.5	1308.9
Spain, Community of Madrid	1044.1	1360.5	751.8	54.7	57.1	52.1	417.9	491.9	345.3	1545.0	2066.4	1070.4	2975.3	4308.8	1879.6	2831.9	4644.3	1759.6
Spain, Region of Murcia	1257.8	1602.1	911.2	35.5	57.5	12.2	467.2	559.1	367.8	2040.6	2598.5	1478.9	4058.4	5761.6	2553.7	3736.0	5708.1	2406.0
Spain, Navarre *	1121.9	1444.2	804.6	480.8	567.0	390.8	1669.0	2047.9	1279.0	3226.8	4489.4	2047.4	2201.5	3662.6	1254.1			
Spain, Valencian region	1297.7	1632.7	970.1	67.7	88.4	45.8	485.6	586.2	380.0	1777.4	2254.3	1309.8	3483.4	4782.7	2325.9	3604.8	5301.2	2475.9
Sweden	955.3	1228.9	682.3	78.7	91.0	65.6	473.2	570.1	372.1	1525.6	1923.0	1121.1	2197.5	2935.5	1482.4	1859.2	3011.9	1049.5
the Netherlands	967.2	1168.1	769.9	61.0	70.8	50.7	498.4	596.3	399.8	1370.5	1633.9	1105.4	2315.5	2847.9	1803.0	2371.3	3502.1	1618.4
United Kingdom, All countries *	910.4	1128.3	699.1	557.6	666.2	449.1	1536.2	1894.1	1188.6	1952.6	2467.9	1474.7	1809.3	2777.1	1124.9			
United Kingdom, England *	915.0	1134.3	701.8	554.2	663.1	445.1	1557.1	1919.8	1203.8	1989.0	2507.7	1506.9	1826.6	2804.6	1130.2			
United Kingdom, Northern Ireland *	868.2	1094.5	650.5	576.6	685.3	471.2	1407.4	1821.4	1003.6	1957.5	2547.8	1419.6	2235.5	3398.2	1458.0			
United Kingdom, Scotland	889.6	1075.3	714.2	63.6	80.7	45.7	584.6	690.4	482.2	1447.1	1732.9	1175.7	1694.8	2163.4	1272.3	1444.9	2079.3	1022.7
United Kingdom, Wales *	914.6	1164.8	672.3	560.6	670.9	449.5	1418.2	1789.4	1062.0	1802.3	2300.1	1332.5	1911.0	3117.0	1048.9			

* Patients younger than 20 years of age are not reported

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

Table B.4.3
Gender, 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	60.8	15.4	62.4	63.3	60.7	15.1	62.5	36.7	60.8	15.9	62.2
Belgium, Dutch-speaking *	100	65.5	15.3	67.3	59.6	65.1	15.1	66.8	40.4	66.1	15.6	68.1
Belgium, French-speaking *	100	64.6	15.4	66.0	64.2	64.6	15.2	66.1	35.8	64.6	15.8	66.0
Bosnia and Herzegovina	100	59.4	15.2	61.3	58.9	58.7	15.2	60.7	41.1	60.2	15.3	62.5
Denmark	100	58.4	16.2	60.1	62.7	58.5	16.1	60.4	37.3	58.1	16.2	59.9
Estonia	100	57.8	15.2	58.2	57.1	57.1	14.8	56.0	42.9	58.7	15.7	59.9
Finland	100	58.8	16.3	61.1	63.8	59.1	16.2	61.6	36.2	58.3	16.5	60.2
France	100	62.2	16.5	63.8	60.8	62.1	16.4	63.8	39.2	62.4	16.8	64.0
Greece	100	63.8	15.7	66.0	64.0	63.5	15.5	65.5	36.0	64.4	16.0	67.0
Iceland	100	56.0	18.0	57.1	60.2	56.6	18.2	58.3	39.8	55.1	17.7	56.8
Montenegro *	100	52.4	13.5	54.8	61.5	53.3	13.5	55.9	38.5	51.0	13.5	52.3
Norway	100	59.1	16.2	61.0	65.2	59.3	16.1	61.4	34.8	58.7	16.3	60.3
Romania //	100	59.9	15.2	61.6	56.3	59.3	15.1	61.0	43.7	60.6	15.2	62.4
Serbia	100	58.3	14.3	60.5	60.4	58.5	14.2	60.6	39.5	58.1	14.6	60.2
Spain, Andalusia	100	60.0	15.7	61.4	61.1	59.4	15.5	60.4	38.9	60.9	16.0	62.9
Spain, Aragon	100	62.5	15.4	63.7	64.5	62.7	14.8	63.7	35.5	61.9	16.4	63.7
Spain, Asturias	100	62.4	14.6	63.0	65.1	62.5	14.5	62.8	34.9	62.3	14.8	63.2
Spain, Basque country	100	61.5	15.5	63.6	63.8	61.8	15.4	63.8	36.2	60.9	15.7	63.1
Spain, Cantabria *	100	61.0	14.7	62.0	68.2	61.6	14.5	62.4	31.8	59.7	15.1	60.3
Spain, Castile and León *	100	63.8	14.9	64.8	65.8	63.5	14.8	64.6	34.2	64.2	15.1	65.0
Spain, Castile-La Mancha *	100	61.6	14.7	62.5	61.1	61.1	14.4	61.8	38.9	62.3	15.0	64.1
Spain, Catalonia	100	62.3	15.9	64.3	62.6	62.1	15.6	64.2	37.4	62.6	16.2	64.7
Spain, Extremadura	100	61.4	15.1	61.7	61.8	60.7	14.6	60.9	38.2	62.4	15.9	63.7
Spain, Galicia	100	61.9	14.9	63.6	63.4	62.0	14.5	63.7	36.6	61.8	15.6	63.5
Spain, Community of Madrid	100	61.4	15.8	62.8	62.6	61.7	15.4	63.1	37.4	60.9	16.3	62.1
Spain, Region of Murcia	100	61.7	15.5	63.0	63.9	61.7	15.3	63.5	36.1	61.8	15.8	62.6
Spain, Navarre *	100	61.9	14.3	63.4	63.9	62.5	13.9	64.0	36.1	61.0	14.9	61.6
Spain, Valencian region	100	62.7	15.8	64.7	62.2	62.4	15.8	64.6	37.8	63.1	15.9	64.9
Sweden	100	59.5	16.2	61.7	64.3	60.0	16.0	62.2	35.7	58.7	16.5	60.7
the Netherlands	100	59.9	16.1	61.9	59.8	59.9	16.1	61.8	40.2	60.0	16.1	62.0
United Kingdom, All countries *	100	58.3	15.5	58.7	61.0	58.6	15.6	59.0	39.0	57.9	15.4	58.3
United Kingdom, England *	100	58.4	15.5	58.8	61.1	58.7	15.6	59.0	38.9	58.0	15.4	58.5
United Kingdom, Northern Ireland *	100	58.2	15.9	58.4	61.8	58.5	15.5	58.5	38.2	57.8	16.6	57.1
United Kingdom, Scotland	100	56.5	15.9	56.9	58.7	56.5	16.0	57.2	41.3	56.5	15.8	56.5
United Kingdom, Wales *	100	59.5	15.7	60.4	62.7	60.1	15.8	61.0	37.3	58.6	15.7	59.7

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

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

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

Table B.4.4
Prevalence per million population and percentages by cause of renal failure, unadjusted
prevalent patients on December 31

	Total		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
									Type I		Type II		Both											
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Austria	1062.3	100	244.8	23.0	76.9	7.2	72.4	6.8	58.1	5.5	152.4	14.4	210.5	19.8	87.1	8.2	77.1	7.3	191.5	18.0	102.0	9.6	0	0
Belgium, Dutch-speaking *	1238.4	100	216.0	17.4	92.0	7.4	122.3	9.9	52.6	4.2	161.4	13.0	214.0	17.3	98.1	7.9	66.1	5.3	312.7	25.3	117.2	9.5	0	0
Belgium, French-speaking *	1249.7	100	209.1	16.7	104.2	8.3	98.2	7.9	36.1	2.9	180.0	14.4	216.2	17.3	195.1	15.6	36.3	2.9	316.0	25.3	74.6	6.0	0	0
Bosnia and Herzegovina	758.9	100	151.4	19.9	122.0	16.1	39.6	5.2	106.3	14.0	36.5	4.8	142.8	18.8	81.2	10.7	6.8	0.9	145.7	19.2	69.3	9.1	0	0
Denmark	906.0	100	183.3	20.2	60.9	6.7	84.6	9.3	83.3	9.2	69.1	7.6	152.5	16.8	88.6	9.8	0.5	0.1	148.1	16.3	187.6	20.7	0	0
Estonia	634.4	100	165.1	26.0	102.7	16.2	55.5	8.8	117.9	18.6	0	0	117.9	18.6	15.2	2.4	104.2	16.4	73.8	11.6	0	0	0	0
Finland	836.9	100	177.2	21.2	74.2	8.9	111.5	13.3	131.8	15.8	81.8	9.8	213.7	25.5	30.2	3.6	4.2	0.5	145.7	17.4	80.2	9.6	0	0
France	1209.5	100	251.9	20.8	89.9	7.4	118.5	9.8					190.2	15.7	194.0	16.0	11.4	0.9	217.7	18.0	108.5	9.0	27.5	2.3
Greece	1202.8	100	213.6	17.8	80.0	6.6	97.8	8.1	24.6	2.0	195.6	16.3	220.2	18.3	109.3	9.1	19.7	1.6	118.0	9.8	344.2	28.6	0	0
Iceland	675.0	100	177.2	26.2	61.1	9.0	58.0	8.6	42.8	6.3	30.5	4.5	73.3	10.9	110.0	16.3	12.2	1.8	149.7	22.2	33.6	5.0	0	0
Montenegro *	476.0	100	128.7	27.0	33.8	7.1	38.6	8.1	25.7	5.4	49.9	10.5	75.6	15.9	112.6	23.6	0	0	62.7	13.2	22.5	4.7	1.6	0.3
Norway	918.0	100	262.8	28.6	72.6	7.9	97.9	10.7					122.2	13.3	162.0	17.6	6.6	0.7	173.1	18.9	20.8	2.3	0	0
Romania //	894.0	100	188.6	21.1	90.4	10.1	47.7	5.3					96.2	10.8	47.6	5.3	5.9	0.7	128.5	14.4	288.9	32.3	0	0
Serbia	821.8	100	163.8	19.9	89.1	10.8	55.8	6.8	47.5	5.8	83.7	10.2	131.3	16.0	195.9	23.8	9.5	1.2	117.2	14.3	56.9	6.9	2.2	0.3
Spain, Andalusia	1136.1	100	144.6	12.7	117.6	10.3	109.8	9.7					170.0	15.0	88.6	7.8	0	0	156.7	13.8	348.8	30.7	0	0
Spain, Aragon	1146.9	100	217.5	19.0	70.0	6.1	97.8	8.5	76.8	6.7	124.9	10.9	201.7	17.6	124.9	10.9	28.6	2.5	151.3	13.2	255.1	22.2	0	0
Spain, Asturias	1159.6	100	238.9	20.6	82.2	7.1	128.4	11.1	57.6	5.0	132.2	11.4	189.8	16.4	155.8	13.4	12.3	1.1	177.5	15.3	174.7	15.1	0	0
Spain, Basque country	1186.9	100	191.6	16.1	118.2	10.0	138.0	11.6	40.6	3.4	81.3	6.8	121.9	10.3	125.1	10.5	40.2	3.4	145.0	12.2	292.2	24.6	14.8	1.2
Spain, Cantabria *	1024.7	100	318.8	31.1	83.5	8.2	105.7	10.3	56.3	5.5	88.7	8.7	144.9	14.1	119.3	11.6	78.4	7.7	121.1	11.8	40.9	4.0	11.9	1.2
Spain, Castile and León * ‡	1084.1	100	117.4	10.8	55.1	5.1	94.1	8.7	70.8	6.5	117.0	10.8	187.8	17.3	132.3	12.2	0	0	132.7	12.2	364.7	33.6	0	0
Spain, Castile-La Mancha *	1053.7	100	217.0	20.6	127.6	12.1	118.9	11.3					161.9	15.4	69.1	6.6	15.9	1.5	118.4	11.2	224.7	21.3	0	0
Spain, Catalonia	1311.8	100	269.6	20.6	132.6	10.1	134.5	10.3	35.6	2.7	151.9	11.6	187.5	14.3	115.0	8.8	39.1	3.0	138.7	10.6	294.7	22.5	0	0
Spain, Extremadura	1110.4	100	215.5	19.4	88.2	7.9	112.8	10.2					173.7	15.6	66.4	6.0	20.0	1.8	111.9	10.1	309.2	27.8	12.7	1.1
Spain, Galicia	1265.3	100	245.2	19.4	87.6	6.9	139.7	11.0	54.0	4.3	164.9	13.0	218.9	17.3	99.2	7.8	35.4	2.8	176.2	13.9	263.0	20.8	0	0
Spain, Community of Madrid	1044.1	100	225.9	21.6	82.9	7.9	109.5	10.5	50.2	4.8	133.1	12.7	183.3	17.6	106.4	10.2	18.1	1.7	166.7	16.0	151.2	14.5	0	0
Spain, Region of Murcia	1257.8	100	331.3	26.3	106.4	8.5	68.9	5.5					171.1	13.6	69.5	5.5	66.1	5.3	182.7	14.5	261.8	20.8	0	0
Spain, Navarre *	1121.9	100	193.3	17.2	39.3	3.5	161.8	14.4	50.3	4.5	73.9	6.6	124.1	11.1	139.8	12.5	0	0	245.1	21.8	218.4	19.5	0	0
Spain, Valencian region	1297.7	100	243.6	18.8	128.5	9.9	111.5	8.6					170.4	13.1	166.2	12.8	45.2	3.5	149.5	11.5	282.9	21.8	0	0
Sweden ‡	955.3	100	242.3	25.4	50.8	5.3	99.7	10.4					169.2	17.7	85.5	8.9	0.6	0.1	202.5	21.2	104.4	10.9	0.3	0
the Netherlands	967.2	100	155.6	16.1	69.6	7.2	77.9	8.1	37.1	3.8	81.0	8.4	118.1	12.2	105.8	10.9	60.0	6.2	184.0	19.0	112.5	11.6	83.7	8.7
United Kingdom, All countries *	910.4	100	172.3	18.9	97.0	10.7	86.6	9.5					147.0	16.1	55.6	6.1	17.0	1.9	161.2	17.7	144.0	15.8	29.8	3.3
United Kingdom, England *	915.0	100	167.9	18.4	92.8	10.1	84.3	9.2					148.1	16.2	59.3	6.5	16.5	1.8	162.4	17.8	148.7	16.2	35.0	3.8
United Kingdom, Northern Ireland *	868.2	100	169.0	19.5	138.0	15.9	109.2	12.6					132.0	15.2	35.9	4.1	14.7	1.7	165.7	19.1	100	11.5	3.8	0.4
United Kingdom, Scotland	889.6	100	195.0	21.9	124.9	14.0	100.8	11.3					135.4	15.2	35.2	4.0	16.6	1.9	170.4	19.2	111.3	12.5	0	0
United Kingdom, Wales *	914.6	100	217.3	23.8	101.2	11.1	90.2	9.9					156.2	17.1	37.2	4.1	27.5	3.0	135.5	14.8	145.2	15.9	4.2	0.5

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

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

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

Table B.4.5
Prevalence per million population by cause of renal failure, adjusted
prevalent patients on December 31, adjusted for age and gender

	Total	GN	PN	PKD	DM			HT	RVD	Misc	Unkn	Missing
					Type I	Type II	Both					
					Pmp	Pmp	Pmp					
Austria	1028.3	235.6	74.9	69.1	55.8	147.5	203.4	84.3	74.6	187.3	99.1	0
Belgium, Dutch-speaking *	1152.7	204.5	87.0	115.4	50.1	146.5	196.6	88.1	57.9	292.4	110.8	0
Belgium, French-speaking *	1316.6	220.2	109.7	103.8	37.8	193.9	231.7	204.3	37.8	330.5	78.5	0
Bosnia and Herzegovina	889.1	162.5	147.2	44.3	118.5	44.6	163.1	97.4	9.0	188.3	77.3	0
Denmark	894.9	183.3	61.4	81.1	82.5	65.8	148.3	86.1	0.5	148.2	186.1	0
Estonia	640.2	168.8	101.8	53.1	120.7	0	120.7	15.2	105.2	75.5	0	0
Finland	797.3	168.6	71.3	100.6	133.5	72.4	205.9	28.3	3.9	142.6	76.0	0
France	1208.8	257.5	92.2	118.4			188.7	184.3	11.2	222.1	106.5	27.9
Greece	1095.3	204.5	74.4	92.2	24.4	170.3	194.7	95.5	17.3	110.8	305.9	0
Iceland	762.1	196.3	71.1	64.5	45.8	37.3	83.1	130.0	16.9	160.4	39.8	0
Montenegro *	491.8	129.8	34.4	39.8	26.1	52.2	78.3	118.3	0	65.9	23.4	1.8
Norway	962.6	272.3	76.2	103.6			127.1	174.1	7.2	180.2	21.9	0
Romania //	887.7	186.9	89.4	46.6			94.5	48.0	6.0	128.2	288.0	0
Serbia	762.7	157.2	83.8	49.5	46.0	73.6	119.6	179.3	8.7	109.2	53.3	2.0
Spain, Andalusia	1172.4	145.1	120.2	115.4			177.5	93.1	0	160.8	360.2	0
Spain, Aragon	1051.3	204.9	65.1	92.0	72.1	112.6	184.7	105.1	23.1	143.0	233.3	0
Spain, Asturias	972.5	204.7	74.2	106.9	50.1	108.1	158.2	117.5	9.8	155.7	145.5	0
Spain, Basque country	1068.2	175.7	109.0	122.4	37.2	70.7	107.9	107.6	34.4	136.2	262.2	12.9
Spain, Cantabria *	935.1	290.9	77.6	96.0	52.0	82.5	134.5	104.5	70.3	114.0	36.3	11.1
Spain, Castile and León * ‡	908.5	102.8	47.3	82.0	62.3	91.3	153.6	96.6	0	113.5	312.6	0
Spain, Castile-La Mancha *	1059.9	221.0	126.2	123.6			165.5	67.1	15.6	119.7	221.1	0
Spain, Catalonia	1301.7	269.3	130.2	136.5	34.7	153.5	188.2	112.9	38.6	137.9	288.1	0
Spain, Extremadura	1052.5	207.9	84.1	111.4			161.8	61.4	17.1	107.8	288.0	13.0
Spain, Galicia	1093.3	221.6	78.4	123.0	50.7	131.8	182.5	79.3	26.2	162.5	219.8	0
Spain, Community of Madrid	1085.4	233.0	83.3	116.0	49.8	145.4	195.2	112.1	19.3	170.1	156.4	0
Spain, Region of Murcia	1393.2	363.3	113.8	75.9			192.0	77.7	75.0	199.9	295.7	0
Spain, Navarre *	1082.6	188.1	39.7	157.4	48.5	73.5	122.0	129.4	0	238.3	207.7	0
Spain, Valencian region	1260.9	237.4	125.6	109.8			166.4	159.4	43.7	146.2	272.5	0
Sweden ‡	935.6	239.9	50.3	96.8			164.9	80.1	0.6	199.7	103.0	0.3
the Netherlands	952.7	152.0	69.2	74.2	36.3	78.8	115.1	104.8	60.2	182.5	112.4	82.3
United Kingdom, All countries *	931.5	176.8	99.9	88.7			150.4	56.4	16.8	165.5	146.6	30.3
United Kingdom, England *	940.4	172.9	95.8	87.0			152.5	60.5	16.4	167.4	152.0	35.8
United Kingdom, Northern Ireland *	939.3	180.6	148.2	117.8			142.5	40.4	16.7	179.9	109.3	4.1
United Kingdom, Scotland	879.8	193.7	125.1	96.7			133.7	34.0	16.2	169.1	111.3	0
United Kingdom, Wales *	896.1	215.0	104.1	87.3			151.8	35.6	24.5	134.7	138.8	4.3

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

* Patients younger than 20 years of age are not reported

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

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

Table B.4.6
Prevalent counts by established therapy
prevalent patients on December 31

	Total	Haemodialysis						Peritoneal dialysis				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	Deceased	Tx type Unkn	Total Tx		
Austria	9038	2936	4	3	5	1025	3973	193	193	8	394	702	3965	3	4670	1	0
Belgium, Dutch-speaking *	7980	2510	56	0	8	1669	4243	236	107	0	343	198	3191	5	3394	0	0
Belgium, French-speaking *	5983	2267	48	0	39	785	3139	159	116	0	275	180	1982	280	2442	2	125
Bosnia and Herzegovina	2662	2112	0	0	0	248	2360	3	75	3	81	152	64	5	221	0	0
Denmark	5164	1899	142	0			2041	353	198	0	551	981	1575	2	2558	14	0
Estonia	834	287	0	0	1	15	303	45	4	0	49	2	480	0	482	0	0
Finland	4571	874	112	0	0	478	1464	211	128	0	339	207	2551	10	2768	0	0
France	80144	30094	249	110	67	10794	41314	1194	1772	0	2966	3207	29825	2460	35492	372	0
Greece	13101	7317	1	0	1	2445	9764	400	285	0	685	1085	1567	0	2652	0	0
Iceland	221	57	0	0			57			16	16	103	45	0	148	0	0
Montenegro *	296	184	0	0	0	0	184	0	2	0	2	85	25	0	110	0	0
Norway	4716	1136	15	1			1152			188	188	1369	2001	6	3376	0	0
Romania //	17620	14611	7	2	8	58	14686	67	1394	0	1461	290	458	715	1463	10	0
Serbia	5860	3814	29	9	23	673	4548	31	446	2	479	503	328	0	831	2	0
Spain, Andalusia	9537	4103	12	0			4115			441	441	352	4629	0	4981	0	0
Spain, Aragon	1524	442	2	0		85	529	19	69	0	88	69	838	0	907	0	0
Spain, Asturias	1228	441	1	0	0	5	447	49	61	0	110	30	641	0	671	0	0
Spain, Basque country	2571	785	4	0			789	27	166	0	193	92	1487	0	1579	10	0
Spain, Cantabria *	601	196	0	0			196	6	28	0	34	24	346	0	370	1	0
Spain, Castile and León *	2696	1076	2	0			1078	66	104	0	170	0	1448	0	1448	0	0
Spain, Castile-La Mancha *	2180	822	4	0			826	36	88	0	124		1226	1226	4	0	0
Spain, Catalonia	9863	1746	5	0		2476	4227	177	181	0	358	972	4306	0	5278	0	0
Spain, Extremadura	1221	579	11	0			590	24	50	0	74	13	230	314	557	0	0
Spain, Galicia	3468	1525	7	0	0	8	1540	113	162	0	275	161	1449	42	1652	1	0
Spain, Community of Madrid	6739	2462	16	98			2576	100	203	68	371	202	3508	82	3792	0	0
Spain, Region of Murcia	1845	950	0	0			950	11	80	0	91	48	756	0	804	0	0
Spain, Navarre *	714	237	14	0			251			31	31	21	407	4	432	0	0
Spain, Valencian region	6495	3387	16	0			3403	38	388	0	426	71	1844	750	2665	1	0
Sweden	9263	0	142	2926			3068			823	823	2305	3066	0	5371	1	0
the Netherlands	16311	5359	247	0			5606	452	422	0	874	4629	5189	13	9831	0	0
United Kingdom, All countries * §	58807	20317	1204	36	22	2590	24169	1882	1683	68	3633	9554	20516	926	30996	9	0
United Kingdom, England *	49698	16967	1027	17	21	2524	20556	1638	1475	66	3179	8108	17022	824	25954	9	0
United Kingdom, Northern Ireland *	1598	565	23	19	0	28	635	57	4	1	62	314	525	62	901	0	0
United Kingdom, Scotland	4757	1812	60	0			1872	140	69	0	209	748	1895	33	2676	0	0
United Kingdom, Wales *	2828	981	94	0	1	38	1114	52	135	1	188	417	1102	7	1526	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

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

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

Table B.4.7
Prevalence per million population by established therapy, unadjusted
prevalent patients on December 31

	Total	Haemodialysis					Peritoneal dialysis				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	Deceased	Tx type Unkn			Total Tx
		Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp			Pmp
Austria	1062.3	345.1	0.5	0.4	0.6	120.5	467.0	22.7	22.7	0.9	46.3	82.5	466.0	0.4	548.9	0.1	0
Belgium, Dutch-speaking *	1238.4	389.5	8.7	0	1.2	259.0	658.5	36.6	16.6	0	53.2	30.7	495.2	0.8	526.7	0	0
Belgium, French-speaking *	1249.7	473.5	10.0	0	8.1	164.0	655.7	33.2	24.2	0	57.4	37.6	414.0	58.5	510.1	0.4	26.1
Bosnia and Herzegovina	758.9	602.1	0	0	0	70.7	672.8	0.9	21.4	0.9	23.1	43.3	18.2	1.4	63.0	0	0
Denmark	906.0	333.2	24.9	0			358.1	61.9	34.7	0	96.7	172.1	276.3	0.4	448.8	2.5	0
Estonia	634.4	218.3	0	0	0.8	11.4	230.5	34.2	3.0	0	37.3	1.5	365.1	0	366.7	0	0
Finland	836.9	160.0	20.5	0	0	87.5	268.1	38.6	23.4	0	62.1	37.9	467.1	1.8	506.8	0	0
France	1209.5	454.2	3.8	1.7	1.0	162.9	623.5	18.0	26.7	0	44.8	48.4	450.1	37.1	535.6	5.6	0
Greece	1202.8	671.8	0.1	0	0.1	224.5	896.4	36.7	26.2	0	62.9	99.6	143.9	0	243.5	0	0
Iceland	675.0	174.1	0	0			174.1			48.9	48.9	314.6	137.5	0	452.1	0	0
Montenegro *	476.0	295.9	0	0	0	0	295.9	0	3.2	0	3.2	136.7	40.2	0	176.9	0	0
Norway	918.0	221.1	2.9	0.2			224.2			36.6	36.6	266.5	389.5	1.2	657.2	0	0
Romania //	894.0	741.3	0.4	0.1	0.4	2.9	745.1	3.4	70.7	0	74.1	14.7	23.2	36.3	74.2	0.5	0
Serbia	821.8	534.9	4.1	1.3	3.2	94.4	637.8	4.3	62.5	0.3	67.2	70.5	46.0	0	116.5	0.3	0
Spain, Andalusia	1136.1	488.8	1.4	0			490.2			52.5	52.5	41.9	551.4	0	593.4	0	0
Spain, Aragon	1146.9	332.6	1.5	0		64.0	398.1	14.3	51.9	0	66.2	51.9	630.6	0	682.5	0	0
Spain, Asturias	1159.6	416.4	0.9	0	0	4.7	422.1	46.3	57.6	0	103.9	28.3	605.3	0	633.6	0	0
Spain, Basque country	1186.9	362.4	1.8	0			364.2	12.5	76.6	0	89.1	42.5	686.5	0	728.9	4.6	0
Spain, Cantabria *	1024.7	334.2	0	0			334.2	10.2	47.7	0	58.0	40.9	589.9	0	630.8	1.7	0
Spain, Castile and León *	1084.1	432.7	0.8	0			433.5	26.5	41.8	0	68.4	0	582.3	0	582.3	0	0
Spain, Castile-La Mancha *	1053.7	397.3	1.9	0			399.2	17.4	42.5	0	59.9		592.6		592.6	1.9	0
Spain, Catalonia	1311.8	232.2	0.7	0		329.3	562.2	23.5	24.1	0	47.6	129.3	572.7	0	702.0	0	0
Spain, Extremadura	1110.4	526.5	10.0	0			536.5	21.8	45.5	0	67.3	11.8	209.2	285.6	506.5	0	0
Spain, Galicia	1265.3	556.4	2.6	0	0	2.9	561.9	41.2	59.1	0	100.3	58.7	528.7	15.3	602.7	0.4	0
Spain, Community of Madrid	1044.1	381.4	2.5	15.2			399.1	15.5	31.5	10.5	57.5	31.3	543.5	12.7	587.5	0	0
Spain, Region of Murcia	1257.8	647.7	0	0			647.7	7.5	54.5	0	62.0	32.7	515.4	0	548.1	0	0
Spain, Navarre *	1121.9	372.4	22.0	0			394.4			48.7	48.7	33.0	639.5	6.3	678.8	0	0
Spain, Valencian region	1297.7	676.7	3.2	0			679.9	7.6	77.5	0	85.1	14.2	368.4	149.9	532.5	0.2	0
Sweden	955.3	0	14.6	301.8			316.4			84.9	84.9	237.7	316.2	0	553.9	0.1	0
the Netherlands	967.2	317.8	14.6	0			332.4	26.8	25.0	0	51.8	274.5	307.7	0.8	582.9	0	0
United Kingdom, All countries * §	910.4	314.5	18.6	0.6	0.3	40.1	374.2	29.1	26.1	1.1	56.2	147.9	317.6	14.3	479.8	0.1	0
United Kingdom, England *	915.0	312.4	18.9	0.3	0.4	46.5	378.4	30.2	27.2	1.2	58.5	149.3	313.4	15.2	477.8	0.2	0
United Kingdom, Northern Ireland *	868.2	307.0	12.5	10.3	0	15.2	345.0	31.0	2.2	0.5	33.7	170.6	285.2	33.7	489.5	0	0
United Kingdom, Scotland	889.6	338.8	11.2	0			350.1	26.2	12.9	0	39.1	139.9	354.4	6.2	500.4	0	0
United Kingdom, Wales *	914.6	317.3	30.4	0	0.3	12.3	360.3	16.8	43.7	0.3	60.8	134.9	356.4	2.3	493.5	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

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Table B.4.8
Prevalence per million population by established therapy, adjusted
prevalent patients on December 31, adjusted for age and gender

	Total	Haemodialysis					Peritoneal dialysis				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	Deceased	Tx type Unkn			Total Tx
		Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp			Pmp
Austria	1028.3	335.0	0.5	0.3	0.6	116.5	452.8	22.0	21.9	0.9	44.9	80.8	449.4	0.4	530.5	0.1	0
Belgium, Dutch-speaking *	1152.7	351.4	8.2	0	1.1	233.4	594.1	34.7	15.7	0	50.3	31.6	476.0	0.7	508.3	0	0
Belgium, French-speaking *	1316.6	496.6	10.6	0	8.4	174.2	689.8	35.3	26.2	0	61.5	38.8	436.9	62.1	537.9	0.4	27.1
Bosnia and Herzegovina	889.1	724.0	0	0	0	77.6	801.6	0.9	22.1	0.8	23.8	43.3	18.9	1.5	63.7	0	0
Denmark	894.9	328.6	24.5	0			353.1	60.0	33.9	0	93.9	174.6	270.7	0.3	445.6	2.3	0
Estonia	640.2	219.2	0	0	0.6	11.6	231.4	34.2	2.9	0	37.2	1.6	370.0	0	371.6	0	0
Finland	797.3	150.2	20.4	0	0	82.0	252.6	36.6	22.1	0	58.8	37.3	447.0	1.8	486.0	0	0
France	1208.8	444.2	3.9	1.7	1.0	158.2	608.9	18.0	25.0	0	43.0	51.2	462.3	37.7	551.2	5.7	0
Greece	1095.3	586.8	0.1	0	0.1	210.8	797.8	34.2	23.5	0	57.7	99.9	139.9	0	239.7	0	0
Iceland	762.1	209.0	0	0			209.0			58.7	58.7	344.6	149.9	0	494.5	0	0
Montenegro *	491.8	306.2	0	0	0	0	306.2	0	3.4	0	3.4	138.4	43.8	0	182.2	0	0
Norway	962.6	235.9	3.0	0.2			239.1			40.0	40.0	273.1	409.2	1.2	683.5	0	0
Romania //	887.7	736.4	0.3	0.1	0.4	2.9	740.1	3.5	70.3	0	73.7	14.5	23.0	35.9	73.4	0.5	0
Serbia	762.7	486.9	3.7	1.2	2.9	88.2	582.9	4.1	58.0	0.3	62.5	72.4	44.6	0	117.0	0.3	0
Spain, Andalusia	1172.4	512.3	1.4	0			513.7			54.5	54.5	41.5	562.7	0	604.2	0	0
Spain, Aragon	1051.3	282.7	1.2	0		57.9	341.8	12.9	48.3	0	61.2	51.4	596.8	0	648.2	0	0
Spain, Asturias	972.5	331.3	0.8	0	0	3.8	335.8	40.7	45.8	0	86.4	25.9	524.3	0	550.2	0	0
Spain, Basque country	1068.2	309.6	1.6	0			311.2	11.8	67.3	0	79.1	41.5	632.6	0	674.0	3.9	0
Spain, Cantabria *	935.1	292.1	0	0			292.1	9.3	42.8	0	52.1	41.1	548.2	0	589.4	1.6	0
Spain, Castile and León *	908.5	327.0	0.9	0			327.9	22.2	33.2	0	55.4	0	525.1	0	525.1	0	0
Spain, Castile-La Mancha *	1059.9	387.6	1.8	0			389.4	17.4	42.6	0	60.0		608.4		608.4	2.0	0
Spain, Catalonia	1301.7	226.3	0.6	0		321.4	548.4	23.7	23.6	0	47.3	127.6	578.4	0	706.0	0	0
Spain, Extremadura	1052.5	481.2	9.5	0			490.6	21.5	43.7	0	65.2	11.7	207.1	277.9	496.7	0	0
Spain, Galicia	1093.3	447.2	2.3	0	0	2.6	452.2	37.0	50.5	0	87.4	57.2	480.1	16.0	553.2	0.4	0
Spain, Community of Madrid	1085.4	400.0	2.5	16.1			418.6	16.0	32.5	11.1	59.6	31.2	562.8	13.2	607.2	0	0
Spain, Region of Murcia	1393.2	726.2	0	0			726.2	7.5	61.7	0	69.1	34.2	563.7	0	597.9	0	0
Spain, Navarre *	1082.6	351.5	20.9	0			372.3			46.7	46.7	32.7	624.3	6.6	663.6	0	0
Spain, Valencian region	1260.9	653.0	3.1	0			656.1	7.6	75.3	0	82.9	14.2	360.8	146.8	521.8	0.2	0
Sweden	935.6	0	14.8	288.0			302.7			80.6	80.6	241.2	311.0	0	552.2	0.1	0
the Netherlands	952.7	319.1	14.4	0			333.4	26.4	24.8	0	51.2	269.0	298.3	0.8	568.0	0	0
United Kingdom, All countries * §	931.5	318.1	19.1	0.6	0.3	40.5	378.7	29.6	26.3	1.1	57.0	153.5	327.3	14.8	495.6	0.1	0
United Kingdom, England *	940.4	317.7	19.5	0.3	0.4	47.2	385.1	30.8	27.6	1.3	59.7	155.2	324.4	15.7	495.4	0.2	0
United Kingdom, Northern Ireland *	939.3	338.7	13.2	11.9	0	16.6	380.4	33.8	2.5	0.6	36.8	181.0	305.8	35.4	522.1	0	0
United Kingdom, Scotland	879.8	331.4	10.9	0			342.2	25.8	12.5	0	38.3	141.5	351.6	6.2	499.3	0	0
United Kingdom, Wales *	896.1	296.5	30.3	0	0.3	11.6	338.8	16.1	40.5	0.3	56.9	140.8	357.3	2.3	500.4	0	0

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

* Patients younger than 20 years of age are not reported

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

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

Table B.4.9
Percentages of established therapy, unadjusted
prevalent patients on December 31

	Total	Haemodialysis						Peritoneal dialysis				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	Deceased	Tx type Unkn	Total Tx		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%		
Austria	100	32.5	0	0	0.1	11.3	44.0	2.1	2.1	0.1	4.4	7.8	43.9	0	51.7	0	0
Belgium, Dutch-speaking *	100	31.5	0.7	0	0.1	20.9	53.2	3.0	1.3	0	4.3	2.5	40.0	0.1	42.5	0	0
Belgium, French-speaking *	100	37.9	0.8	0	0.7	13.1	52.5	2.7	1.9	0	4.6	3.0	33.1	4.7	40.8	0	2.1
Bosnia and Herzegovina	100	79.3	0	0	0	9.3	88.7	0.1	2.8	0.1	3.0	5.7	2.4	0.2	8.3	0	0
Denmark	100	36.8	2.7	0			39.5	6.8	3.8	0	10.7	19.0	30.5	0	49.5	0.3	0
Estonia	100	34.4	0	0	0.1	1.8	36.3	5.4	0.5	0	5.9	0.2	57.6	0	57.8	0	0
Finland	100	19.1	2.5	0	0	10.5	32.0	4.6	2.8	0	7.4	4.5	55.8	0.2	60.6	0	0
France	100	37.5	0.3	0.1	0.1	13.5	51.5	1.5	2.2	0	3.7	4.0	37.2	3.1	44.3	0.5	0
Greece	100	55.9	0	0	0	18.7	74.5	3.1	2.2	0	5.2	8.3	12.0	0	20.2	0	0
Iceland	100	25.8	0	0			25.8			7.2	7.2	46.6	20.4	0	67.0	0	0
Montenegro *	100	62.2	0	0	0	0	62.2	0	0.7	0	0.7	28.7	8.4	0	37.2	0	0
Norway	100	24.1	0.3	0			24.4			4.0	4.0	29.0	42.4	0.1	71.6	0	0
Romania //	100	82.9	0	0	0	0.3	83.3	0.4	7.9	0	8.3	1.6	2.6	4.1	8.3	0.1	0
Serbia	100	65.1	0.5	0.2	0.4	11.5	77.6	0.5	7.6	0	8.2	8.6	5.6	0	14.2	0	0
Spain, Andalusia	100	43.0	0.1	0			43.1			4.6	4.6	3.7	48.5	0	52.2	0	0
Spain, Aragon	100	29.0	0.1	0		5.6	34.7	1.2	4.5	0	5.8	4.5	55.0	0	59.5	0	0
Spain, Asturias	100	35.9	0.1	0	0	0.4	36.4	4.0	5.0	0	9.0	2.4	52.2	0	54.6	0	0
Spain, Basque country	100	30.5	0.2	0			30.7	1.1	6.5	0	7.5	3.6	57.8	0	61.4	0.4	0
Spain, Cantabria *	100	32.6	0	0			32.6	1.0	4.7	0	5.7	4.0	57.6	0	61.6	0.2	0
Spain, Castile and León *	100	39.9	0.1	0			40.0	2.4	3.9	0	6.3	0	53.7	0	53.7	0	0
Spain, Castile-La Mancha *	100	37.7	0.2	0			37.9	1.7	4.0	0	5.7		56.2		56.2	0.2	0
Spain, Catalonia	100	17.7	0.1	0		25.1	42.9	1.8	1.8	0	3.6	9.9	43.7	0	53.5	0	0
Spain, Extremadura	100	47.4	0.9	0			48.3	2.0	4.1	0	6.1	1.1	18.8	25.7	45.6	0	0
Spain, Galicia	100	44.0	0.2	0	0	0.2	44.4	3.3	4.7	0	7.9	4.6	41.8	1.2	47.6	0	0
Spain, Community of Madrid	100	36.5	0.2	1.5			38.2	1.5	3.0	1.0	5.5	3.0	52.1	1.2	56.3	0	0
Spain, Region of Murcia	100	51.5	0	0			51.5	0.6	4.3	0	4.9	2.6	41.0	0	43.6	0	0
Spain, Navarre *	100	33.2	2.0	0			35.2			4.3	4.3	2.9	57.0	0.6	60.5	0	0
Spain, Valencian region	100	52.1	0.2	0			52.4	0.6	6.0	0	6.6	1.1	28.4	11.5	41.0	0	0
Sweden	100	0	1.5	31.6			33.1			8.9	8.9	24.9	33.1	0	58.0	0	0
the Netherlands	100	32.9	1.5	0			34.4	2.8	2.6	0	5.4	28.4	31.8	0.1	60.3	0	0
United Kingdom, All countries * §	100	34.5	2.0	0.1	0	4.4	41.1	3.2	2.9	0.1	6.2	16.2	34.9	1.6	52.7	0	0
United Kingdom, England *	100	34.1	2.1	0	0	5.1	41.4	3.3	3.0	0.1	6.4	16.3	34.3	1.7	52.2	0	0
United Kingdom, Northern Ireland *	100	35.4	1.4	1.2	0	1.8	39.7	3.6	0.3	0.1	3.9	19.6	32.9	3.9	56.4	0	0
United Kingdom, Scotland	100	38.1	1.3	0			39.4	2.9	1.5	0	4.4	15.7	39.8	0.7	56.3	0	0
United Kingdom, Wales *	100	34.7	3.3	0	0	1.3	39.4	1.8	4.8	0	6.6	14.7	39.0	0.2	54.0	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

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

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

Table B.5.1
Renal transplants performed by donor type, counts and percentages

	Total		Living								Deceased		Donor type Unkn	
	N	%	Related		Unrelated		Type Unkn		All		N	%	N	%
			N	%	N	%	N	%	N	%				
Austria §	434	100	32	7.4	35	8.1	0	0	67	15.4	367	84.6	0	0
Belgium, Dutch-speaking *	250	100	11	4.4	8	3.2	1	0.4	20	8.0	230	92.0	0	0
Belgium, French-speaking *	168	100	14	8.3	6	3.6	0	0	20	11.9	148	88.1	0	0
Bosnia and Herzegovina	28	100	17	60.7	1	3.6	3	10.7	21	75.0	7	25.0	0	0
Denmark	250	100	63	25.2	47	18.8	0	0	110	44.0	140	56.0	0	0
Estonia	32	100	0	0	1	3.1	0	0	1	3.1	31	96.9	0	0
Finland	240	100	13	5.4	2	0.8	0	0	15	6.3	225	93.8	0	0
France	3234	100	514	15.9	0	0	0	0	514	15.9	2717	84.0	3	0.1
Greece	137	100	44	32.1	1	0.7	0	0	45	32.8	92	67.2	0	0
Iceland	8	100	6	75.0	2	25.0	0	0	8	100	0	0	0	0
Montenegro *	9	100	0	0	0	0	9	100	9	100	0	0	0	0
Norway	274	100	50	18.2	18	6.6	0	0	68	24.8	206	75.2	0	0
Romania //	224	100	38	17.0	1	0.4	2	0.9	41	18.3	150	67.0	33	14.7
Serbia	69	100	20	29.0	3	4.3	5	7.2	28	40.6	41	59.4	0	0
Spain, Andalusia	466	100	35	7.5	27	5.8	0	0	62	13.3	404	86.7	0	0
Spain, Aragon	84	100	14	16.7	1	1.2	0	0	15	17.9	69	82.1	0	0
Spain, Asturias	52	100	1	1.9	1	1.9	0	0	2	3.8	50	96.2	0	0
Spain, Basque country	127	100	0	0	0	0	30	23.6	30	23.6	97	76.4	0	0
Spain, Cantabria *	46	100	2	4.3	2	4.3	0	0	4	8.7	42	91.3	0	0
Spain, Castile and León *	126	100	0	0	0	0	0	0	0	0	126	100	0	0
Spain, Castile-La Mancha *	95	100											95	100
Spain, Catalonia	604	100	165	27.3	0	0	0	0	165	27.3	439	72.7	0	0
Spain, Extremadura	57	100	5	8.8	0	0	0	0	5	8.8	44	77.2	8	14.0
Spain, Galicia	141	100					32	22.7	32	22.7	109	77.3	0	0
Spain, Community of Madrid	393	100	21	5.3	4	1.0	0	0	25	6.4	368	93.6	0	0
Spain, Region of Murcia	58	100	2	3.4	4	6.9	4	6.9	10	17.2	48	82.8	0	0
Spain, Navarre *	40	100	2	5.0	1	2.5	0	0	3	7.5	34	85.0	3	7.5
Spain, Valencian region	228	100	26	11.4	3	1.3	0	0	29	12.7	199	87.3	0	0
Sweden	439	100	68	15.5	84	19.1	0	0	152	34.6	287	65.4	0	0
the Netherlands	999	100					527	52.8	527	52.8	463	46.3	9	0.9
United Kingdom, All countries *	2997	100	447	14.9	226	7.5	288	9.6	961	32.1	2011	67.1	25	0.8
United Kingdom, England *	2547	100	353	13.9	187	7.3	265	10.4	805	31.6	1723	67.6	19	0.7
United Kingdom, Northern Ireland *	92	100	39	42.4	11	12.0	1	1.1	51	55.4	41	44.6	0	0
United Kingdom, Scotland *	263	100	41	15.6	7	2.7	26	9.9	74	28.1	183	69.6	6	2.3
United Kingdom, Wales *	107	100	18	16.8	21	19.6	0	0	39	36.4	68	63.6	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

Table B.5.2
Renal transplants performed by donor type, per million population

	Total	Living				Deceased	Donor type Unkn
	Pmp	Related	Unrelated	Type Unkn	All	Pmp	Pmp
		Pmp	Pmp	Pmp	Pmp		
Austria §	46.8	3.2	4.0	0	7.2	39.6	0
Belgium, Dutch-speaking *	38.8	1.7	1.2	0.2	3.1	35.7	0
Belgium, French-speaking *	35.1	2.9	1.3	0	4.2	30.9	0
Bosnia and Herzegovina	8.0	4.8	0.3	0.9	6.0	2.0	0
Denmark	43.9	11.1	8.2	0	19.3	24.6	0
Estonia	24.3	0	0.8	0	0.8	23.6	0
Finland	43.9	2.4	0.4	0	2.7	41.2	0
France	48.8	7.8	0	0	7.8	41.0	0
Greece	12.6	4.0	0.1	0	4.1	8.4	0
Iceland	24.4	18.3	6.1	0	24.4	0	0
Montenegro *	14.5	0	0	14.5	14.5	0	0
Norway	53.3	9.7	3.5	0	13.2	40.1	0
Romania //	11.4	1.9	0.1	0.1	2.1	7.6	1.7
Serbia	9.7	2.8	0.4	0.7	3.9	5.7	0
Spain, Andalusia	55.5	4.2	3.2	0	7.4	48.1	0
Spain, Aragon	63.2	10.5	0.8	0	11.3	51.9	0
Spain, Asturias	49.1	0.9	0.9	0	1.9	47.2	0
Spain, Basque country	58.6	0	0	13.8	13.8	44.8	0
Spain, Cantabria *	78.4	3.4	3.4	0	6.8	71.6	0
Spain, Castile and León *	50.7	0	0	0	0	50.7	0
Spain, Castile-La Mancha *	45.9						45.9
Spain, Catalonia	80.3	21.9	0	0	21.9	58.4	0
Spain, Extremadura	51.8	4.5	0	0	4.5	40.0	7.3
Spain, Galicia	51.4			11.7	11.7	39.8	0
Spain, Community of Madrid	60.9	3.3	0.6	0	3.9	57.0	0
Spain, Region of Murcia	39.5	1.4	2.7	2.7	6.8	32.7	0
Spain, Navarre *	62.9	3.1	1.6	0	4.7	53.4	4.7
Spain, Valencian region	45.6	5.2	0.6	0	5.8	39.8	0
Sweden	45.3	7.0	8.7	0	15.7	29.6	0
the Netherlands	59.2			31.2	31.2	27.5	0.5
United Kingdom, All countries *	46.4	6.9	3.5	4.5	14.9	31.1	0.4
United Kingdom, England *	46.9	6.5	3.4	4.9	14.8	31.7	0.3
United Kingdom, Northern Ireland *	50.0	21.2	6.0	0.5	27.7	22.3	0
United Kingdom, Scotland *	49.2	7.7	1.3	4.9	13.8	34.2	1.1
United Kingdom, Wales *	34.6	5.8	6.8	0	12.6	22.0	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 A.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

Table B.6.1
Incident RRT patients, from day 1, unadjusted
by age, gender, and primary diagnosis

	Survival probabilities as % (95% CI)						
	COHORT 2005 - 2009				COHORT 2008-2012		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.1 (98.5-99.5)	97.2 (96.3-97.9)	96.5 (95.5-97.3)	94.7 (93.5-95.7)	99.0 (98.3-99.4)	97.3 (96.4-98.0)	96.1 (95.0-96.9)
20-44	99.1 (99.0-99.3)	96.8 (96.6-97.1)	94.1 (93.8-94.5)	88.4 (88.0-88.9)	99.1 (99.0-99.2)	97.1 (96.8-97.3)	94.7 (94.4-95.0)
45-64	96.7 (96.5-96.9)	90.0 (89.7-90.2)	82.9 (82.6-83.2)	66.2 (65.9-66.5)	97.1 (96.9-97.2)	90.9 (90.6-91.1)	84.4 (84.2-84.7)
65-74	93.2 (93.0-93.5)	80.6 (80.3-80.9)	68.3 (68.0-68.7)	41.0 (40.8-41.2)	94.0 (93.7-94.2)	82.6 (82.2-82.9)	71.2 (70.8-71.5)
75+	88.9 (88.6-89.1)	71.0 (70.7-71.3)	54.5 (54.2-54.8)	22.5 (22.4-22.6)	89.8 (89.6-90.0)	72.8 (72.6-73.1)	57.2 (57.0-57.5)
Men	93.9 (93.7-94.0)	82.7 (82.5-82.9)	71.9 (71.7-72.1)	48.8 (48.6-49.0)	94.2 (94.1-94.4)	83.8 (83.6-84.0)	73.4 (73.2-73.6)
Women	93.5 (93.3-93.7)	82.6 (82.3-82.8)	72.1 (71.9-72.4)	50.3 (50.1-50.5)	94.2 (94.0-94.4)	83.9 (83.6-84.1)	74.2 (73.9-74.4)
Diabetes	94.5 (94.2-94.7)	82.8 (82.5-83.2)	69.9 (69.5-70.2)	41.7 (41.5-42.0)	95.1 (94.9-95.3)	84.4 (84.1-84.7)	72.4 (72.1-72.8)
Hypertension / renal vascular disease	93.7 (93.4-94.0)	81.0 (80.6-81.3)	67.8 (67.4-68.2)	39.9 (39.7-40.1)	94.1 (93.8-94.3)	82.1 (81.7-82.4)	69.4 (69.0-69.8)
Glomerulonephritis	97.3 (97.0-97.5)	92.0 (91.6-92.4)	86.1 (85.6-86.5)	71.4 (70.9-71.9)	97.2 (97.0-97.4)	92.1 (91.8-92.5)	86.7 (86.2-87.1)
Other cause	92.9 (92.7-93.1)	81.6 (81.4-81.9)	72.0 (71.7-72.2)	52.0 (51.8-52.2)	93.5 (93.3-93.7)	82.7 (82.4-82.9)	73.4 (73.2-73.7)
All	93.7 (93.6-93.8)	82.7 (82.5-82.8)	72.0 (71.8-72.1)	49.4 (49.2-49.5)	94.2 (94.1-94.3)	83.8 (83.6-84.0)	73.7 (73.5-73.9)

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.2
Incident RRT patients, from day 1, adjusted
adjusted for age, gender, and primary diagnosis

	Survival probabilities as % (95% CI)						
	COHORT 2005 - 2009				COHORT 2008-2012		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.0 (98.4-99.5)	97.1 (96.2-97.9)	96.3 (95.4-97.3)	94.4 (93.2-95.6)	98.9 (98.3-99.4)	97.4 (96.6-98.2)	96.2 (95.2-97.1)
20-44	99.1 (99.0-99.3)	96.8 (96.6-97.1)	94.1 (93.8-94.5)	88.3 (87.8-88.8)	99.1 (99.0-99.3)	97.1 (96.8-97.4)	94.7 (94.3-95.0)
45-64	96.9 (96.8-97.1)	90.6 (90.3-90.9)	83.8 (83.4-84.1)	67.2 (66.8-67.7)	97.3 (97.1-97.4)	91.4 (91.1-91.6)	85.1 (84.8-85.4)
65-74	93.9 (93.6-94.1)	82.1 (81.7-82.5)	70.4 (69.9-70.8)	43.3 (42.8-43.9)	94.5 (94.2-94.7)	83.7 (83.3-84.0)	72.7 (72.2-73.1)
75+	89.5 (89.2-89.8)	72.4 (72.0-72.8)	56.3 (55.8-56.8)	23.9 (23.5-24.3)	90.4 (90.1-90.6)	74.0 (73.6-74.4)	58.7 (58.3-59.2)
Men	96.6 (96.5-96.7)	89.9 (89.7-90.1)	82.5 (82.2-82.7)	62.2 (61.9-62.6)	96.8 (96.7-96.9)	90.4 (90.3-90.6)	83.4 (83.1-83.6)
Women	96.6 (96.5-96.7)	90.2 (90.0-90.4)	83.3 (83.0-83.6)	64.9 (64.5-65.3)	96.9 (96.8-97.0)	90.8 (90.5-91.0)	84.3 (84.0-84.6)
Diabetes	96.6 (96.4-96.7)	88.9 (88.6-89.2)	79.5 (79.1-79.9)	54.4 (53.9-55.0)	97.0 (96.8-97.1)	89.9 (89.7-90.2)	81.5 (81.1-81.8)
Hypertension / renal vascular disease	97.2 (97.1-97.4)	91.2 (90.9-91.4)	84.1 (83.7-84.4)	63.8 (63.2-64.3)	97.4 (97.2-97.5)	91.7 (91.4-91.9)	84.8 (84.5-85.1)
Glomerulonephritis	97.8 (97.6-98.0)	93.3 (92.9-93.6)	87.9 (87.5-88.4)	72.9 (72.2-73.6)	97.7 (97.5-97.9)	93.4 (93.0-93.7)	88.3 (87.9-88.8)
Other cause	95.7 (95.6-95.9)	88.4 (88.2-88.6)	81.3 (81.0-81.6)	63.2 (62.8-63.6)	96.0 (95.9-96.2)	89.0 (88.8-89.2)	82.3 (82.0-82.5)
All	96.6 (96.5-96.7)	90.0 (89.9-90.2)	82.8 (82.6-83.0)	63.3 (63.0-63.6)	96.8 (96.8-96.9)	90.6 (90.4-90.7)	83.8 (83.6-84.0)

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.3
Incident RRT patients, from day 91, unadjusted
by age, gender, and primary diagnosis

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	97.9 (97.1-98.5)	97.2 (96.3-97.9)	95.4 (94.3-96.3)	98.0 (97.2-98.6)	97.0 (96.0-97.7)
20-44	97.1 (96.8-97.3)	94.4 (94.0-94.7)	88.8 (88.3-89.2)	97.4 (97.1-97.6)	95.1 (94.8-95.4)
45-64	91.1 (90.9-91.4)	84.1 (83.8-84.4)	67.0 (66.7-67.3)	91.9 (91.7-92.1)	85.5 (85.2-85.7)
65-74	83.1 (82.7-83.4)	70.6 (70.3-71.0)	41.8 (41.6-42.0)	84.8 (84.5-85.1)	72.8 (72.5-73.2)
75+	75.1 (74.8-75.4)	57.4 (57.1-57.7)	23.1 (23.0-23.2)	76.7 (76.4-77.0)	59.6 (59.3-59.9)
Men	85.2 (85.0-85.4)	74.2 (73.9-74.4)	50.2 (50.0-50.4)	86.1 (85.9-86.3)	75.4 (75.1-75.6)
Women	85.4 (85.2-85.7)	74.8 (74.5-75.1)	52.1 (51.8-52.3)	86.5 (86.2-86.7)	76.3 (76.0-76.6)
Diabetes	84.1 (83.7-84.4)	71.0 (70.7-71.4)	42.0 (41.7-42.2)	85.5 (85.2-85.8)	73.1 (72.7-73.4)
Hypertension / renal vascular disease	82.8 (82.4-83.2)	69.3 (68.9-69.7)	40.5 (40.3-40.8)	83.8 (83.5-84.2)	70.6 (70.2-71.0)
Glomerulonephritis	93.1 (92.7-93.5)	87.0 (86.5-87.4)	72.2 (71.6-72.7)	93.4 (93.0-93.7)	87.6 (87.1-88.0)
Other cause	85.2 (85.0-85.5)	75.4 (75.1-75.6)	54.4 (54.2-54.7)	86.0 (85.7-86.2)	76.3 (76.1-76.6)
All	85.3 (85.1-85.4)	74.4 (74.2-74.6)	50.9 (50.8-51.0)	86.2 (86.1-86.4)	75.7 (75.5-75.9)

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.4
Incident RRT patients, from day 91, adjusted
adjusted for age, gender, and primary diagnosis

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	97.7 (96.9-98.5)	97.0 (96.1-97.9)	95.1 (94.0-96.3)	98.0 (97.3-98.8)	97.0 (96.1-97.9)
20-44	97.0 (96.8-97.3)	94.3 (93.9-94.7)	88.7 (88.2-89.2)	97.3 (97.0-97.5)	95.0 (94.7-95.3)
45-64	91.7 (91.4-91.9)	84.9 (84.6-85.3)	68.3 (67.9-68.8)	92.3 (92.0-92.5)	86.1 (85.8-86.5)
65-74	84.3 (83.9-84.7)	72.5 (72.0-73.0)	44.5 (44.0-45.1)	85.7 (85.4-86.1)	74.5 (74.0-74.9)
75+	76.3 (75.9-76.7)	59.1 (58.6-59.6)	25.0 (24.5-25.4)	77.7 (77.3-78.1)	61.4 (60.9-61.8)
Men	91.2 (91.0-91.3)	83.7 (83.4-83.9)	63.1 (62.8-63.5)	91.6 (91.5-91.8)	84.5 (84.2-84.7)
Women	91.7 (91.5-91.9)	84.7 (84.4-85.0)	66.0 (65.5-66.4)	92.1 (91.9-92.3)	85.5 (85.2-85.7)
Diabetes	89.6 (89.3-89.9)	80.1 (79.7-80.5)	54.6 (54.0-55.1)	90.6 (90.3-90.8)	81.8 (81.5-82.2)
Hypertension / renal vascular disease	92.0 (91.7-92.2)	84.7 (84.4-85.1)	64.3 (63.7-64.8)	92.4 (92.2-92.6)	85.4 (85.0-85.7)
Glomerulonephritis	94.1 (93.8-94.5)	88.5 (88.1-89.0)	73.5 (72.8-74.2)	94.3 (94.0-94.6)	89.0 (88.6-89.5)
Other cause	90.5 (90.3-90.7)	83.3 (83.0-83.6)	64.7 (64.3-65.1)	90.9 (90.7-91.1)	84.0 (83.8-84.3)
All	91.4 (91.2-91.5)	84.1 (83.9-84.3)	64.3 (64.0-64.6)	91.8 (91.7-92.0)	84.9 (84.7-85.1)

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.5.a
Incident dialysis patients, from day 1, unadjusted
by age, gender, and primary diagnosis, with transplantation as a censored observation

	Survival probabilities as % (95% CI)						
	COHORT 2005 - 2009				COHORT 2008-2012		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	98.8 (98.0-99.3)	96.0 (94.6-97.0)	94.6 (92.8-95.9)	89.4 (86.2-92.0)	98.8 (97.9-99.3)	96.3 (94.9-97.3)	93.5 (91.5-95.0)
20-44	99.1 (98.9-99.2)	96.3 (95.9-96.5)	92.5 (92.0-92.9)	81.4 (80.7-82.1)	99.1 (98.9-99.2)	96.5 (96.2-96.8)	93.0 (92.6-93.4)
45-64	96.6 (96.4-96.7)	89.3 (89.0-89.5)	81.0 (80.7-81.3)	58.4 (58.1-58.7)	96.9 (96.8-97.1)	90.0 (89.8-90.3)	82.3 (82.0-82.6)
65-74	93.1 (92.9-93.4)	80.3 (79.9-80.6)	67.7 (67.3-68.0)	38.6 (38.4-38.9)	93.9 (93.6-94.1)	82.1 (81.8-82.4)	70.1 (69.8-70.5)
75+	88.8 (88.5-89.1)	70.9 (70.5-71.2)	54.4 (54.1-54.6)	22.3 (22.2-22.4)	89.8 (89.5-90.0)	72.7 (72.4-73.0)	57.1 (56.8-57.3)
Men	93.6 (93.5-93.8)	81.8 (81.6-82.0)	69.6 (69.4-69.8)	40.8 (40.6-40.9)	94.0 (93.8-94.1)	82.7 (82.5-82.9)	71.0 (70.8-71.2)
Women	93.2 (93.0-93.4)	81.6 (81.3-81.8)	69.9 (69.6-70.2)	42.6 (42.4-42.8)	93.9 (93.7-94.1)	82.7 (82.4-83.0)	71.7 (71.4-71.9)
Diabetes	94.3 (94.1-94.6)	82.3 (82.0-82.7)	68.6 (68.2-68.9)	36.7 (36.5-36.9)	95.0 (94.8-95.2)	83.9 (83.6-84.2)	71.2 (70.8-71.5)
Hypertension / renal vascular disease	93.6 (93.3-93.9)	80.5 (80.1-80.9)	66.8 (66.4-67.2)	35.7 (35.5-36.0)	93.9 (93.7-94.2)	81.6 (81.2-82.0)	68.3 (67.9-68.6)
Glomerulonephritis	97.1 (96.8-97.4)	91.1 (90.7-91.6)	83.7 (83.2-84.2)	61.2 (60.6-61.8)	97.0 (96.7-97.2)	91.2 (90.7-91.6)	84.0 (83.5-84.6)
Other cause	92.6 (92.4-92.8)	80.4 (80.2-80.7)	69.3 (69.1-69.6)	43.4 (43.2-43.6)	93.1 (92.9-93.3)	81.2 (81.0-81.5)	70.4 (70.2-70.7)
All	93.5 (93.4-93.6)	81.7 (81.5-81.9)	69.7 (69.5-69.9)	41.5 (41.3-41.6)	93.9 (93.8-94.1)	82.7 (82.6-82.9)	71.3 (71.1-71.4)

Survival was examined using the Kaplan Meier method, with transplantation as a censored observation (see methods)

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.5.b (competing risks survival data)
Incident dialysis patients, from day 1, unadjusted
by age, gender, and primary diagnosis, with transplantation as a competing event

	Survival probabilities as % (95% CI)						
	COHORT 2005 - 2009				COHORT 2008-2012		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	98.8 (98.3-99.3)	96.7 (95.9-97.5)	96.1 (95.2-96.9)	95.0 (94.0-96.1)	98.7 (98.2-99.2)	96.9 (96.2-97.8)	95.6 (94.6-96.5)
20-44	99.0 (98.9-99.1)	96.5 (96.3-96.7)	93.8 (93.5-94.1)	88.6 (88.2-89.0)	99.0 (98.9-99.2)	96.8 (96.6-97.0)	94.3 (94.0-94.6)
45-64	96.6 (96.4-96.7)	89.6 (89.3-89.8)	82.4 (82.1-82.7)	66.9 (66.5-67.2)	96.9 (96.8-97.0)	90.3 (90.1-90.6)	83.7 (83.5-84.0)
65-74	93.1 (92.8-93.2)	80.3 (80.0-80.7)	68.2 (67.8-68.5)	41.8 (41.4-42.2)	93.8 (93.6-94.0)	82.2 (81.9-82.5)	70.8 (70.5-71.2)
75+	88.7 (88.4-88.9)	70.8 (70.4-71.1)	54.3 (53.9-54.7)	22.4 (22.1-22.7)	89.7 (89.5-89.9)	72.7 (72.3-73.0)	57.0 (56.7-57.4)
Men	93.6 (93.4-93.7)	82.1 (81.9-82.3)	71.1 (70.8-71.3)	48.5 (48.2-48.7)	93.9 (93.8-94.1)	83.1 (82.9-83.3)	72.5 (72.2-72.7)
Women	93.2 (93.0-93.3)	81.9 (81.6-82.1)	71.2 (70.9-71.6)	49.4 (49.1-49.8)	93.9 (93.7-94.0)	83.0 (82.8-83.3)	73.0 (72.8-73.3)
Diabetes	94.3 (94.1-94.5)	82.5 (82.1-82.8)	69.4 (69.0-69.8)	41.8 (41.3-42.2)	95.0 (94.8-95.2)	84.0 (83.7-84.3)	72.0 (71.6-72.4)
Hypertension / renal vascular disease	93.5 (93.3-93.8)	80.7 (80.3-81.0)	67.5 (67.1-67.9)	40.3 (39.8-40.8)	93.9 (93.7-94.1)	81.7 (81.4-82.1)	69.1 (68.7-69.5)
Glomerulonephritis	97.1 (96.8-97.3)	91.6 (91.2-91.9)	85.5 (85.1-85.9)	71.4 (70.9-72.0)	97.0 (96.8-97.2)	91.6 (91.3-92.0)	85.9 (85.4-86.3)
Other cause	92.5 (92.4-92.7)	80.8 (80.6-81.1)	70.9 (70.6-71.2)	51.1 (50.8-51.5)	93.0 (92.9-93.2)	81.6 (81.4-81.9)	72.0 (71.8-72.3)
All	93.4 (93.3-93.5)	82.0 (81.9-82.2)	71.1 (70.9-71.3)	48.8 (48.6-49.0)	93.9 (93.8-94.0)	83.1 (82.9-83.2)	72.7 (72.5-72.9)

Survival was examined using the cumulative incidence competing risk method, with transplantation as a competing event (see methods)

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.6.a
Incident dialysis patients, from day 1, adjusted
adjusted for age, gender, and primary diagnosis, with transplantation as a censored observation

	Survival probabilities as % (95% CI)						
	COHORT 2005 - 2009				COHORT 2008-2012		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	98.7 (97.9-99.4)	95.8 (94.4-97.1)	94.3 (92.5-96.0)	88.0 (84.1-92.2)	98.6 (97.9-99.3)	96.2 (95.0-97.5)	93.4 (91.5-95.3)
20-44	99.1 (98.9-99.2)	96.3 (96.0-96.6)	92.5 (92.0-92.9)	80.5 (79.6-81.5)	99.1 (98.9-99.2)	96.6 (96.3-96.9)	93.0 (92.6-93.5)
45-64	96.8 (96.6-97.0)	89.9 (89.6-90.2)	81.9 (81.5-82.3)	58.9 (58.3-59.5)	97.1 (97.0-97.3)	90.6 (90.3-90.8)	83.1 (82.7-83.5)
65-74	93.7 (93.4-93.9)	81.6 (81.2-82.0)	69.4 (68.9-69.9)	40.2 (39.7-40.8)	94.3 (94.0-94.5)	83.1 (82.7-83.5)	71.5 (71.0-72.0)
75+	89.4 (89.1-89.7)	72.0 (71.6-72.5)	55.8 (55.3-56.3)	23.3 (22.9-23.8)	90.2 (90.0-90.5)	73.7 (73.3-74.1)	58.3 (57.8-58.7)
Men	96.0 (95.8-96.1)	87.9 (87.7-88.1)	79.1 (78.8-79.4)	54.5 (54.0-54.9)	96.3 (96.2-96.4)	88.9 (88.7-89.1)	80.7 (80.4-80.9)
Women	95.8 (95.7-96.0)	88.2 (87.9-88.5)	80.0 (79.6-80.3)	57.4 (56.9-58.0)	96.3 (96.2-96.5)	89.2 (89.0-89.4)	81.6 (81.3-82.0)
Diabetes	96.0 (95.9-96.2)	87.3 (86.9-87.6)	76.6 (76.2-77.0)	48.1 (47.5-48.7)	96.6 (96.5-96.8)	88.8 (88.5-89.1)	79.3 (78.9-79.7)
Hypertension / renal vascular disease	96.6 (96.4-96.7)	89.2 (88.9-89.5)	80.6 (80.2-81.0)	56.4 (55.8-57.1)	96.9 (96.7-97.0)	90.2 (89.9-90.5)	82.2 (81.8-82.6)
Glomerulonephritis	97.5 (97.2-97.7)	92.3 (91.9-92.7)	85.8 (85.3-86.4)	65.3 (64.4-66.2)	97.4 (97.2-97.6)	92.4 (92.1-92.8)	86.3 (85.8-86.9)
Other cause	94.9 (94.8-95.1)	86.2 (86.0-86.5)	77.8 (77.5-78.2)	55.5 (55.0-56.0)	95.4 (95.3-95.6)	87.3 (87.0-87.5)	79.4 (79.1-79.7)
All	95.9 (95.8-96.0)	88.1 (87.9-88.2)	79.5 (79.2-79.7)	55.7 (55.3-56.1)	96.3 (96.2-96.4)	89.0 (88.9-89.2)	81.1 (80.8-81.3)

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

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.6.b (competing risks survival data)
Incident dialysis patients, from day 1, adjusted
adjusted for age, gender, and primary diagnosis, with transplantation as a competing event

	Survival probabilities as % (95% CI)						
	COHORT 2005 - 2009				COHORT 2008-2012		
	90 day	1 year	2 year	5 year	90 day	1 year	2 year
0-19	99.4 (99.3-99.4)	98.0 (98.0-98.1)	96.5 (96.5-96.6)	92.1 (91.9-92.2)	99.3 (99.3-99.3)	97.8 (97.8-97.9)	96.2 (96.1-96.3)
20-44	98.7 (98.6-98.7)	96.0 (95.9-96.1)	93.0 (92.9-93.1)	84.3 (84.1-84.5)	98.6 (98.6-98.6)	95.8 (95.7-95.9)	92.7 (92.6-92.8)
45-64	97.3 (97.2-97.3)	91.9 (91.8-92.0)	86.0 (85.9-86.2)	70.3 (70.0-70.5)	97.3 (97.2-97.3)	91.9 (91.8-92.0)	86.1 (86.0-86.3)
65-74	94.4 (94.3-94.5)	83.9 (83.8-84.1)	73.2 (73.0-73.4)	48.2 (47.9-48.4)	94.8 (94.7-94.9)	84.8 (84.7-84.9)	74.7 (74.5-74.9)
75+	88.8 (88.6-89.0)	69.6 (69.4-69.9)	52.5 (52.2-52.8)	22.1 (21.8-22.3)	90.0 (89.9-90.2)	72.4 (72.2-72.7)	56.4 (56.1-56.8)
Men	96.6 (96.5-96.6)	89.9 (89.8-90.1)	82.7 (82.6-82.9)	63.7 (63.5-64.0)	96.7 (96.6-96.7)	90.1 (90.0-90.3)	83.1 (83.0-83.3)
Women	96.8 (96.8-96.9)	90.6 (90.5-90.8)	83.9 (83.7-84.1)	65.9 (65.5-66.2)	96.9 (96.9-97.0)	90.9 (90.7-91.0)	84.3 (84.1-84.5)
Diabetes	96.1 (96.0-96.2)	88.5 (88.4-88.7)	80.5 (80.2-80.7)	59.8 (59.4-60.2)	96.5 (96.4-96.5)	89.5 (89.4-89.6)	82.1 (81.9-82.3)
Hypertension / renal vascular disease	96.3 (96.3-96.4)	89.3 (89.2-89.4)	81.7 (81.5-81.9)	62.0 (61.7-62.3)	96.6 (96.5-96.6)	89.9 (89.7-90.0)	82.7 (82.5-82.9)
Glomerulonephritis	96.6 (96.5-96.7)	90.0 (89.9-90.1)	82.8 (82.7-83.0)	64.1 (63.8-64.3)	96.7 (96.7-96.8)	90.2 (90.1-90.3)	83.3 (83.1-83.4)
Other cause	96.8 (96.8-96.9)	90.6 (90.5-90.8)	83.9 (83.8-84.1)	66.1 (65.8-66.4)	96.8 (96.8-96.9)	90.5 (90.4-90.7)	83.8 (83.6-84.0)
All	96.7 (96.6-96.7)	90.2 (90.1-90.3)	83.2 (83.0-83.4)	64.6 (64.4-64.9)	96.8 (96.7-96.8)	90.4 (90.3-90.6)	83.6 (83.5-83.8)

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

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.7.a
Incident dialysis patients, from day 91, unadjusted
by age, gender, and primary diagnosis, with transplantation as a censored observation

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	96.7 (95.2-97.7)	94.8 (92.8-96.3)	90.3 (86.8-92.9)	96.8 (95.4-97.8)	94.1 (92.0-95.7)
20-44	96.4 (96.0-96.7)	92.4 (91.9-92.8)	81.1 (80.4-81.9)	96.6 (96.3-96.9)	93.1 (92.7-93.6)
45-64	90.3 (90.0-90.6)	81.9 (81.5-82.2)	58.4 (58.0-58.7)	90.9 (90.6-91.2)	83.0 (82.7-83.4)
65-74	82.7 (82.4-83.1)	69.8 (69.5-70.2)	39.1 (38.9-39.3)	84.3 (84.0-84.7)	71.7 (71.3-72.0)
75+	75.0 (74.7-75.4)	57.3 (57.0-57.6)	22.9 (22.8-23.0)	76.6 (76.3-76.9)	59.4 (59.1-59.7)
Men	84.1 (83.8-84.3)	71.4 (71.2-71.7)	41.2 (41.0-41.3)	84.9 (84.7-85.1)	72.5 (72.3-72.8)
Women	84.3 (84.0-84.6)	72.2 (71.9-72.5)	43.4 (43.2-43.6)	85.2 (84.9-85.5)	73.4 (73.1-73.7)
Diabetes	83.5 (83.1-83.9)	69.5 (69.1-69.8)	36.3 (36.1-36.5)	84.9 (84.6-85.3)	71.6 (71.2-71.9)
Hypertension / renal vascular disease	82.2 (81.8-82.6)	68.0 (67.6-68.4)	35.8 (35.6-36.1)	83.3 (82.9-83.7)	69.3 (68.9-69.6)
Glomerulonephritis	92.1 (91.7-92.5)	84.1 (83.6-84.7)	60.8 (60.1-61.4)	92.2 (91.8-92.6)	84.5 (83.9-85.0)
Other cause	83.9 (83.6-84.1)	72.2 (72.0-72.5)	44.7 (44.4-44.9)	84.4 (84.2-84.7)	72.9 (72.7-73.2)
All	84.2 (84.0-84.3)	71.7 (71.5-71.9)	42.0 (41.9-42.1)	85.0 (84.8-85.2)	72.9 (72.7-73.0)

Survival was examined using the Kaplan Meier method, with transplantation as a censored observation (see methods)

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.7.b (competing risks survival data)
Incident dialysis patients, from day 91, unadjusted
by age, gender, and primary diagnosis, with transplantation as a competing event

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	97.4 (96.8-98.2)	96.6 (95.8-97.5)	95.7 (94.9-96.6)	97.5 (96.7-98.2)	96.2 (95.3-97.2)
20-44	96.7 (96.5-97.0)	94.0 (93.7-94.3)	88.9 (88.5-89.3)	97.0 (96.8-97.2)	94.6 (94.3-94.9)
45-64	90.7 (90.5-90.9)	83.6 (83.3-83.8)	68.0 (67.6-68.3)	91.3 (91.1-91.5)	84.7 (84.5-85.0)
65-74	82.8 (82.5-83.1)	70.5 (70.1-70.8)	43.0 (42.6-43.4)	84.5 (84.2-84.8)	72.7 (72.4-73.1)
75+	74.9 (74.6-75.2)	57.2 (56.8-57.6)	23.4 (23.1-23.7)	76.5 (76.2-76.8)	59.7 (59.3-60.0)
Men	84.5 (84.3-84.7)	73.2 (73.0-73.5)	50.1 (49.7-50.3)	85.3 (85.1-85.5)	74.4 (74.2-74.6)
Women	84.7 (84.5-85.0)	73.8 (73.5-74.1)	51.3 (50.9-51.7)	85.6 (85.4-85.8)	75.2 (74.9-75.5)
Diabetes	83.7 (83.4-84.1)	70.6 (70.1-71.0)	42.4 (41.9-42.8)	85.1 (84.9-85.4)	72.8 (72.4-73.1)
Hypertension / renal vascular disease	82.4 (82.0-82.8)	69.0 (68.6-69.5)	41.4 (40.9-41.9)	83.5 (83.1-83.8)	70.5 (70.1-70.9)
Glomerulonephritis	92.6 (92.3-92.9)	86.3 (85.9-86.7)	72.1 (71.6-72.7)	92.8 (92.4-93.1)	86.7 (86.3-87.1)
Other cause	84.4 (84.1-84.6)	74.1 (73.8-74.4)	53.6 (53.3-54.0)	84.9 (84.7-85.1)	75.0 (74.7-75.2)
All	84.6 (84.4-84.7)	73.4 (73.2-73.6)	50.5 (50.3-50.7)	85.4 (85.3-85.5)	74.7 (74.5-74.9)

Survival was examined using the cumulative incidence competing risk method, with transplantation as a competing event (see methods)

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.8.a
Incident dialysis patients, from day 91, adjusted
adjusted for age, gender, and primary diagnosis, with transplantation as a censored observation

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	96.5 (95.1-97.8)	94.1 (92.1-96.3)	87.9 (83.4-92.6)	96.7 (95.4-98.0)	93.7 (91.7-95.9)
20-44	96.4 (96.0-96.7)	92.3 (91.8-92.8)	80.3 (79.3-81.2)	96.6 (96.3-97.0)	93.1 (92.6-93.6)
45-64	90.9 (90.6-91.2)	82.8 (82.4-83.2)	59.1 (58.5-59.8)	91.4 (91.1-91.7)	83.9 (83.5-84.3)
65-74	83.8 (83.4-84.2)	71.4 (70.9-71.9)	41.1 (40.5-41.6)	85.1 (84.8-85.5)	73.1 (72.7-73.6)
75+	75.9 (75.5-76.4)	58.6 (58.1-59.1)	24.4 (23.9-24.8)	77.3 (76.9-77.7)	60.9 (60.4-61.3)
Men	89.2 (89.0-89.4)	80.1 (79.8-80.4)	54.6 (54.2-55.1)	90.1 (89.9-90.3)	81.5 (81.2-81.8)
Women	89.8 (89.5-90.0)	81.2 (80.9-81.5)	57.9 (57.3-58.4)	90.6 (90.3-90.8)	82.6 (82.3-82.9)
Diabetes	87.9 (87.6-88.3)	77.0 (76.5-77.4)	47.6 (46.9-48.2)	89.3 (89.0-89.6)	79.4 (79.0-79.8)
Hypertension / renal vascular disease	89.9 (89.6-90.3)	81.0 (80.6-81.5)	56.2 (55.5-56.9)	90.9 (90.6-91.2)	82.5 (82.1-82.9)
Glomerulonephritis	93.1 (92.7-93.5)	86.2 (85.6-86.8)	65.0 (64.1-66.0)	93.3 (92.9-93.7)	86.7 (86.2-87.3)
Other cause	88.5 (88.3-88.8)	79.7 (79.4-80.1)	56.3 (55.8-56.8)	89.2 (89.0-89.5)	81.0 (80.7-81.3)
All	89.5 (89.3-89.6)	80.6 (80.3-80.8)	55.9 (55.5-56.3)	90.3 (90.1-90.5)	82.0 (81.7-82.2)

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

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.8.b (competing risks survival data)
Incident dialysis patients, from day 91, adjusted
adjusted for age, gender, and primary diagnosis, with transplantation as a competing event

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	98.3 (98.3-98.4)	96.8 (96.7-96.9)	92.3 (92.2-92.5)	98.1 (98.0-98.1)	96.4 (96.3-96.5)
20-44	96.5 (96.5-96.6)	93.5 (93.4-93.6)	84.8 (84.6-85.1)	96.3 (96.2-96.4)	93.1 (93.0-93.2)
45-64	93.0 (92.9-93.1)	87.0 (86.9-87.2)	71.1 (70.8-71.4)	93.0 (92.9-93.1)	87.0 (86.9-87.2)
65-74	86.0 (85.9-86.2)	75.1 (74.9-75.3)	49.4 (49.2-49.7)	86.8 (86.6-86.9)	76.3 (76.1-76.5)
75+	73.3 (73.0-73.5)	55.3 (55.0-55.6)	23.3 (23.0-23.6)	75.9 (75.7-76.1)	59.2 (58.8-59.5)
Men	91.2 (91.1-91.4)	83.9 (83.7-84.1)	64.5 (64.2-64.9)	91.4 (91.3-91.5)	84.2 (84.0-84.3)
Women	91.9 (91.8-92.0)	85.1 (84.9-85.3)	66.9 (66.6-67.3)	92.0 (91.9-92.2)	85.4 (85.2-85.6)
Diabetes	89.7 (89.5-89.9)	81.2 (81.0-81.5)	59.6 (59.3-60.1)	90.4 (90.3-90.6)	82.6 (82.3-82.8)
Hypertension / renal vascular disease	90.5 (90.4-90.7)	82.7 (82.5-82.9)	62.4 (62.2-62.8)	91.0 (90.9-91.1)	83.5 (83.3-83.7)
Glomerulonephritis	91.3 (91.2-91.5)	84.1 (83.9-84.3)	65.1 (64.8-65.4)	91.5 (91.3-91.6)	84.3 (84.2-84.5)
Other cause	92.1 (92.0-92.2)	85.4 (85.2-85.6)	67.6 (67.3-67.9)	91.9 (91.8-92.0)	85.2 (85.0-85.4)
All	91.5 (91.4-91.6)	84.4 (84.2-84.5)	65.5 (65.2-65.8)	91.6 (91.5-91.8)	84.7 (84.5-84.8)

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

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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

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

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	98.6 (97.6-99.2)	98.4 (97.3-99.0)	96.6 (95.2-97.6)	98.3 (97.3-99.0)	97.9 (96.7-98.6)
20-44	98.0 (97.7-98.3)	97.1 (96.8-97.5)	94.3 (93.8-94.8)	98.3 (98.0-98.6)	97.4 (97.1-97.7)
45-64	95.7 (95.3-96.0)	93.4 (93.0-93.8)	86.0 (85.5-86.6)	96.3 (96.0-96.6)	94.1 (93.7-94.4)
65+	90.7 (89.7-91.7)	86.8 (85.6-87.9)	73.4 (72.1-74.7)	91.7 (90.9-92.5)	88.0 (87.0-88.8)
Men	95.8 (95.5-96.1)	93.8 (93.4-94.1)	86.9 (86.4-87.4)	96.1 (95.8-96.4)	93.9 (93.6-94.2)
Women	96.5 (96.2-96.9)	94.9 (94.4-95.3)	89.6 (89.0-90.1)	96.7 (96.4-97.0)	95.2 (94.8-95.5)
Diabetes	94.2 (93.5-94.9)	91.5 (90.6-92.3)	82.5 (81.4-83.5)	94.6 (94.0-95.2)	91.6 (90.9-92.3)
Hypertension / renal vascular disease	93.7 (92.7-94.6)	90.7 (89.6-91.7)	81.6 (80.3-82.8)	94.5 (93.7-95.2)	91.8 (90.9-92.6)
Glomerulonephritis	97.2 (96.7-97.6)	95.9 (95.3-96.4)	91.3 (90.5-91.9)	97.5 (97.1-97.9)	96.1 (95.6-96.5)
Other cause	96.6 (96.3-96.9)	94.9 (94.6-95.3)	89.4 (88.9-89.8)	96.9 (96.6-97.1)	95.2 (94.8-95.5)
All	96.1 (95.8-96.3)	94.2 (93.9-94.5)	87.9 (87.5-88.3)	96.4 (96.1-96.6)	94.4 (94.1-94.6)

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 (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table B.6.10

First transplant patients (deceased donor), from day of transplant, adjusted
adjusted for age, gender, and primary diagnosis

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	98.5 (97.7-99.4)	98.3 (97.4-99.2)	96.4 (95.1-97.7)		
20-44	98.2 (97.9-98.4)	97.4 (97.0-97.7)	94.8 (94.3-95.3)	98.5 (98.2-98.7)	97.6 (97.3-97.9)
45-64	96.1 (95.7-96.4)	94.0 (93.6-94.4)	87.1 (86.5-87.7)	96.6 (96.4-96.9)	94.6 (94.3-95.0)
65+	91.6 (90.6-92.7)	87.9 (86.7-89.2)	75.5 (73.8-77.2)	92.7 (91.9-93.5)	89.2 (88.3-90.2)
Men	97.5 (97.2-97.7)	96.2 (95.9-96.5)	91.7 (91.3-92.2)	97.9 (97.7-98.1)	96.6 (96.4-96.9)
Women	97.8 (97.5-98.0)	96.6 (96.3-97.0)	93.1 (92.6-93.6)	98.1 (97.8-98.3)	97.1 (96.8-97.4)
Diabetes	96.0 (95.5-96.6)	94.1 (93.4-94.7)	87.5 (86.5-88.4)	96.7 (96.3-97.1)	94.8 (94.3-95.4)
Hypertension / renal vascular disease	96.9 (96.4-97.4)	95.3 (94.7-95.9)	90.3 (89.4-91.3)	97.4 (97.0-97.8)	96.0 (95.5-96.5)
Glomerulonephritis	98.1 (97.7-98.4)	97.1 (96.8-97.5)	93.8 (93.3-94.4)	98.4 (98.2-98.7)	97.5 (97.2-97.8)
Other cause	97.7 (97.4-97.9)	96.5 (96.2-96.8)	92.5 (92.0-92.9)	98.0 (97.8-98.2)	96.9 (96.6-97.1)
All	97.6 (97.4-97.8)	96.4 (96.2-96.6)	92.3 (91.9-92.7)	98.0 (97.8-98.1)	96.8 (96.6-97.0)

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 (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

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

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	99.2 (97.8-99.7)	99.2 (97.8-99.7)	98.3 (96.7-99.1)	99.6 (98.4-99.9)	99.6 (98.4-99.9)
20-44	99.3 (99.0-99.5)	98.9 (98.5-99.2)	97.7 (97.2-98.1)	99.5 (99.3-99.7)	99.1 (98.8-99.4)
45-64	97.8 (97.2-98.2)	96.5 (95.8-97.1)	91.6 (90.6-92.4)	98.4 (98.0-98.7)	97.3 (96.8-97.7)
65+	94.7 (92.4-96.4)	91.3 (88.6-93.4)	79.4 (76.2-82.3)	96.4 (94.8-97.5)	93.1 (91.2-94.6)
Men	98.3 (97.9-98.6)	97.4 (96.9-97.8)	93.8 (93.1-94.4)	98.7 (98.4-99.0)	97.9 (97.5-98.2)
Women	98.6 (98.1-98.9)	97.6 (97.0-98.1)	94.9 (94.0-95.6)	98.9 (98.5-99.2)	97.9 (97.4-98.3)
Diabetes	96.1 (94.3-97.4)	93.7 (91.6-95.3)	85.1 (82.5-87.4)	96.7 (95.2-97.7)	95.0 (93.3-96.2)
Hypertension / renal vascular disease	96.8 (95.1-97.9)	95.6 (93.6-96.9)	90.6 (88.1-92.5)	97.5 (96.2-98.4)	95.9 (94.4-97.1)
Glomerulonephritis	99.2 (98.7-99.5)	98.7 (98.1-99.1)	96.8 (95.9-97.5)	99.4 (99.0-99.6)	98.8 (98.3-99.2)
Other cause	98.6 (98.2-98.9)	97.9 (97.4-98.3)	95.0 (94.3-95.6)	99.0 (98.7-99.3)	98.3 (97.9-98.6)
All	98.4 (98.1-98.7)	97.5 (97.1-97.8)	94.2 (93.7-94.7)	98.8 (98.6-99.0)	97.9 (97.6-98.2)

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 (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

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

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19					
20-44	99.3 (99.0-99.6)	98.9 (98.6-99.3)	97.8 (97.3-98.3)	99.5 (99.3-99.7)	99.1 (98.8-99.4)
45-64	98.0 (97.5-98.5)	96.9 (96.3-97.5)	92.4 (91.4-93.3)	98.6 (98.3-98.9)	97.7 (97.2-98.1)
65+	95.9 (94.2-97.7)	93.6 (91.5-95.9)	83.0 (79.6-86.6)	96.8 (95.5-98.0)	94.0 (92.3-95.7)
Men	98.8 (98.5-99.1)	98.2 (97.9-98.6)	95.5 (94.9-96.1)	99.2 (99.0-99.4)	98.7 (98.4-98.9)
Women	98.9 (98.5-99.2)	98.1 (97.7-98.6)	95.9 (95.2-96.6)	99.2 (98.9-99.5)	98.4 (98.0-98.8)
Diabetes	97.5 (96.5-98.6)	96.0 (94.7-97.3)	90.2 (88.1-92.3)	98.0 (97.2-98.8)	96.9 (96.0-97.9)
Hypertension / renal vascular disease	98.2 (97.4-99.1)	97.5 (96.6-98.5)	94.6 (93.1-96.1)	98.7 (98.0-99.3)	97.8 (97.0-98.6)
Glomerulonephritis	99.3 (98.9-99.6)	98.9 (98.4-99.3)	97.1 (96.4-97.8)	99.5 (99.2-99.7)	99.0 (98.6-99.3)
Other cause	98.8 (98.5-99.1)	98.2 (97.8-98.6)	95.6 (95.0-96.2)	99.2 (99.0-99.4)	98.6 (98.3-98.9)
All	98.8 (98.6-99.1)	98.2 (97.9-98.5)	95.7 (95.2-96.2)	99.2 (99.0-99.3)	98.6 (98.3-98.8)

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 (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

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

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	92.3 (90.5-93.8)	89.8 (87.9-91.5)	80.8 (78.5-82.8)	92.6 (90.9-94.1)	89.3 (87.3-91.0)
20-44	93.3 (92.8-93.8)	91.1 (90.6-91.7)	84.3 (83.6-85.0)	93.9 (93.4-94.3)	91.9 (91.3-92.4)
45-64	90.5 (90.1-91.0)	87.5 (87.0-88.0)	78.2 (77.6-78.8)	91.0 (90.5-91.4)	87.9 (87.5-88.4)
65+	84.4 (83.2-85.6)	80.3 (79.0-81.5)	65.4 (64.2-66.6)	85.7 (84.7-86.6)	81.4 (80.4-82.4)
Men	90.9 (90.5-91.3)	87.9 (87.4-88.4)	78.6 (78.0-79.1)	91.0 (90.6-91.4)	87.9 (87.5-88.4)
Women	90.9 (90.3-91.4)	88.3 (87.7-88.9)	79.8 (79.2-80.5)	91.5 (91.0-92.0)	88.9 (88.3-89.4)
Diabetes	89.9 (89.0-90.7)	86.2 (85.2-87.2)	75.2 (74.1-76.2)	90.2 (89.4-90.9)	86.7 (85.8-87.5)
Hypertension / renal vascular disease	88.1 (86.9-89.2)	84.6 (83.3-85.8)	71.6 (70.2-72.8)	88.4 (87.4-89.4)	85.0 (83.9-86.0)
Glomerulonephritis	91.6 (90.9-92.2)	88.9 (88.1-89.6)	81.2 (80.3-82.0)	91.9 (91.2-92.5)	89.0 (88.2-89.7)
Other cause	91.5 (91.1-92.0)	88.9 (88.4-89.4)	80.8 (80.2-81.3)	91.9 (91.5-92.3)	89.3 (88.8-89.7)
All	90.9 (90.6-91.2)	88.1 (87.7-88.4)	79.0 (78.6-79.4)	91.2 (90.9-91.5)	88.3 (88.0-88.6)

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 (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

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

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	91.9 (90.1-93.8)	89.3 (87.2-91.5)	79.8 (77.1-82.6)	92.5 (90.8-94.3)	89.0 (86.9-91.1)
20-44	93.6 (93.1-94.1)	91.5 (90.9-92.1)	84.9 (84.1-85.7)	94.1 (93.6-94.6)	92.1 (91.5-92.7)
45-64	90.9 (90.4-91.4)	87.9 (87.4-88.5)	78.9 (78.2-79.7)	91.3 (90.9-91.8)	88.4 (87.9-88.9)
65+	85.3 (83.9-86.7)	81.3 (79.8-82.8)	66.9 (65.1-68.8)	86.6 (85.5-87.6)	82.4 (81.2-83.5)
Men	92.3 (91.9-92.7)	89.7 (89.2-90.2)	81.4 (80.8-82.1)	92.6 (92.3-93.0)	90.0 (89.6-90.5)
Women	91.9 (91.4-92.5)	89.6 (89.0-90.2)	81.9 (81.1-82.7)	92.7 (92.2-93.2)	90.4 (89.8-90.9)
Diabetes	90.9 (90.0-91.8)	87.6 (86.6-88.6)	77.3 (76.0-78.7)	91.6 (90.9-92.4)	88.6 (87.7-89.4)
Hypertension / renal vascular disease	90.6 (89.6-91.7)	87.8 (86.6-89.0)	77.0 (75.4-78.6)	91.1 (90.2-92.0)	88.3 (87.3-89.3)
Glomerulonephritis	92.3 (91.6-93.0)	89.9 (89.1-90.7)	82.7 (81.7-83.7)	92.8 (92.2-93.5)	90.2 (89.5-91.0)
Other cause	92.3 (91.9-92.8)	90.0 (89.5-90.5)	82.4 (81.7-83.1)	92.8 (92.4-93.3)	90.5 (90.0-91.0)
All	92.2 (91.8-92.5)	89.7 (89.3-90.1)	81.6 (81.1-82.2)	92.7 (92.4-93.0)	90.2 (89.8-90.6)

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 (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

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

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	95.8 (93.7-97.2)	94.1 (91.8-95.8)	85.6 (82.7-88.1)	96.8 (95.0-98.0)	95.8 (93.8-97.2)
20-44	95.8 (95.1-96.4)	94.2 (93.4-94.9)	88.9 (88.0-89.8)	96.7 (96.1-97.2)	95.1 (94.5-95.7)
45-64	95.4 (94.7-96.1)	93.4 (92.6-94.2)	86.6 (85.5-87.7)	96.0 (95.5-96.6)	94.2 (93.5-94.8)
65+	93.2 (90.6-95.0)	89.3 (86.4-91.6)	76.0 (72.8-78.9)	95.0 (93.3-96.3)	91.6 (89.6-93.3)
Men	95.5 (94.9-96.1)	93.8 (93.1-94.4)	87.0 (86.1-87.8)	96.2 (95.8-96.7)	94.8 (94.2-95.3)
Women	95.4 (94.6-96.1)	93.2 (92.3-94.0)	87.2 (86.0-88.2)	96.4 (95.7-96.9)	94.1 (93.3-94.7)
Diabetes	93.6 (91.4-95.2)	90.7 (88.3-92.6)	79.3 (76.6-81.8)	94.0 (92.2-95.3)	91.9 (89.9-93.5)
Hypertension / renal vascular disease	93.4 (91.2-95.1)	90.4 (88.0-92.4)	82.0 (79.3-84.5)	95.0 (93.4-96.3)	92.4 (90.5-94.0)
Glomerulonephritis	95.9 (94.9-96.6)	93.8 (92.7-94.7)	87.4 (86.0-88.6)	96.1 (95.3-96.8)	94.5 (93.6-95.3)
Other cause	95.8 (95.2-96.4)	94.4 (93.7-95.0)	88.7 (87.8-89.5)	96.9 (96.4-97.3)	95.2 (94.7-95.7)
All	95.5 (95.0-95.9)	93.6 (93.0-94.1)	87.0 (86.4-87.7)	96.3 (95.9-96.6)	94.5 (94.1-94.9)

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 (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

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

	Survival probabilities as % (95% CI)				
	COHORT 2005 - 2009			COHORT 2008 - 2012	
	1 year	2 year	5 year	1 year	2 year
0-19	95.2 (93.2-97.3)	93.6 (91.2-96.0)	84.2 (80.7-87.8)	96.4 (94.7-98.1)	95.5 (93.6-97.4)
20-44	95.7 (95.0-96.4)	94.1 (93.3-94.9)	88.8 (87.7-89.9)	96.6 (96.1-97.2)	95.1 (94.4-95.8)
45-64	95.5 (94.8-96.3)	93.6 (92.7-94.5)	87.0 (85.8-88.2)	96.1 (95.6-96.7)	94.5 (93.8-95.2)
65+	94.2 (92.1-96.4)	91.3 (88.7-93.9)	78.4 (74.5-82.4)	95.1 (93.5-96.7)	91.9 (89.9-93.9)
Men	95.6 (95.0-96.2)	94.0 (93.3-94.7)	87.1 (86.1-88.1)	96.4 (95.9-96.9)	95.1 (94.5-95.6)
Women	95.2 (94.4-96.0)	93.0 (92.1-94.0)	86.9 (85.6-88.2)	96.3 (95.6-96.9)	93.9 (93.1-94.7)
Diabetes	93.8 (91.9-95.7)	91.0 (88.8-93.3)	80.0 (76.8-83.2)	94.3 (92.8-95.9)	92.4 (90.6-94.2)
Hypertension / renal vascular disease	93.8 (91.8-95.7)	90.9 (88.6-93.2)	82.8 (79.8-86.0)	95.4 (94.0-96.9)	93.0 (91.2-94.8)
Glomerulonephritis	95.8 (94.9-96.7)	93.7 (92.6-94.8)	87.1 (85.6-88.6)	96.0 (95.2-96.8)	94.3 (93.4-95.3)
Other cause	95.7 (95.1-96.4)	94.3 (93.6-95.0)	88.5 (87.5-89.5)	96.8 (96.4-97.3)	95.2 (94.7-95.8)
All	95.5 (95.0-96.0)	93.7 (93.1-94.2)	87.0 (86.3-87.8)	96.3 (96.0-96.7)	94.6 (94.2-95.1)

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 (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Figure B.6.1
**Adjusted survival (cohort 2005-2009):
 Incident dialysis patients and patients receiving
 a first transplant (between 2005 and 2009)**
*from day 91, by modality,
 adjusted for age, gender, and primary diagnosis*

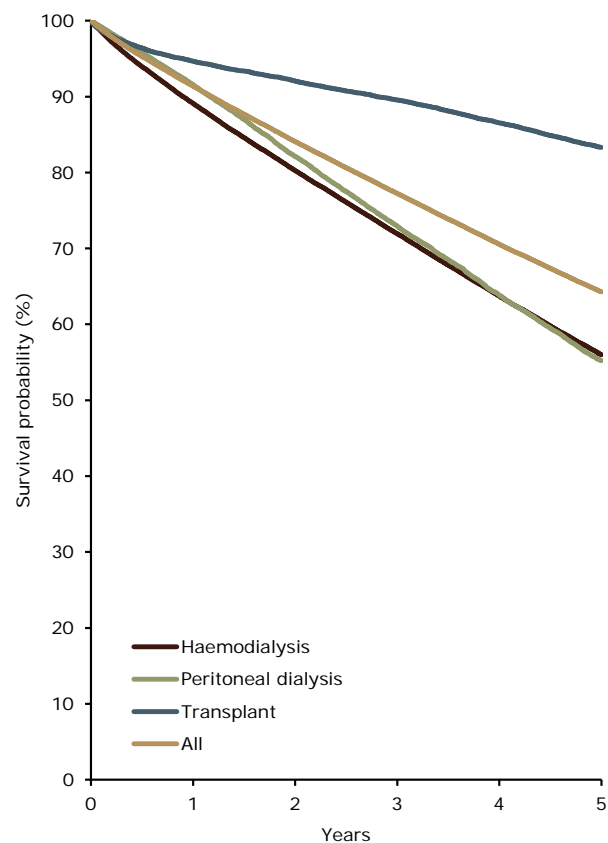


Figure B.6.2
**Adjusted survival (cohort 2005-2009):
 Incident haemodialysis patients**
*from day 91, by primary diagnosis,
 adjusted for age and gender*

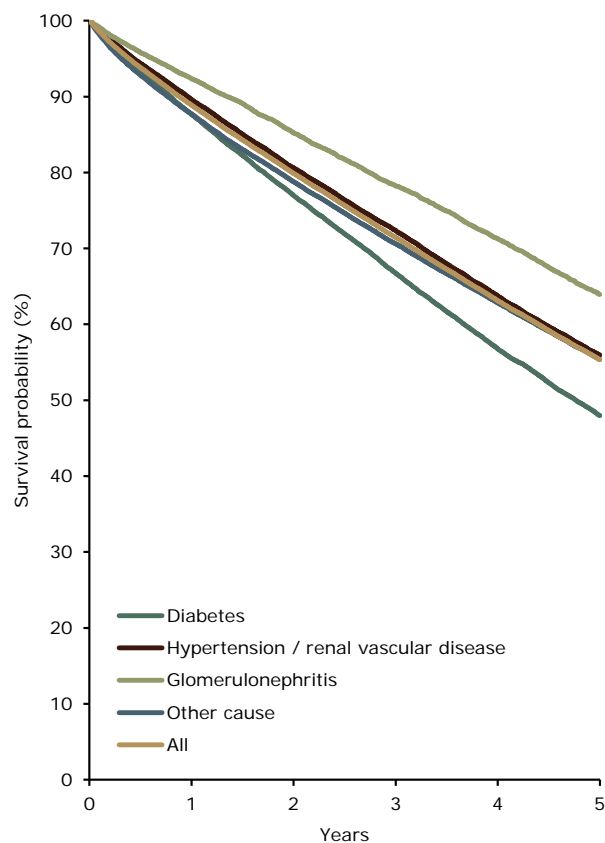
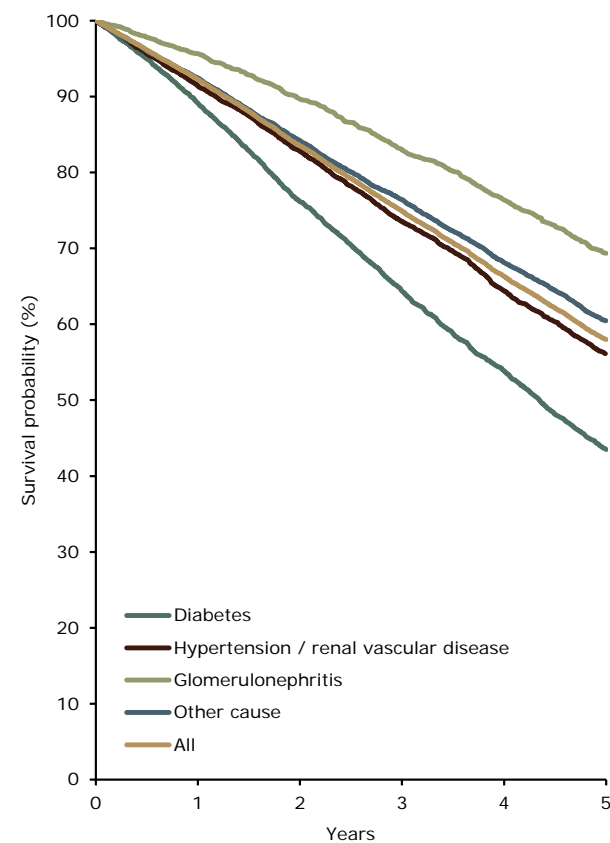


Figure B.6.3
**Adjusted survival (cohort 2005-2009):
 Incident peritoneal dialysis patients**
*from day 91, by primary diagnosis,
 adjusted for age and gender*



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

Figure B.6.4
**Adjusted survival (cohort 2005-2009):
 Incident dialysis patients and patients receiving
 a first transplant (between 2005 and 2009)**
*from day 91, by modality,
 adjusted for age, gender, and primary diagnosis*

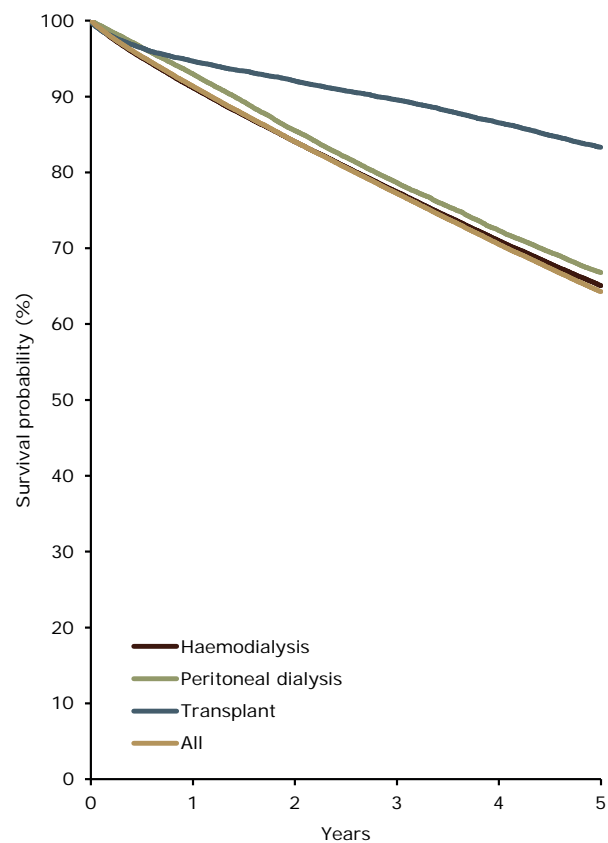


Figure B.6.5
**Adjusted survival (cohort 2005-2009):
 Incident haemodialysis patients**
*from day 91, by primary diagnosis,
 adjusted for age and gender*

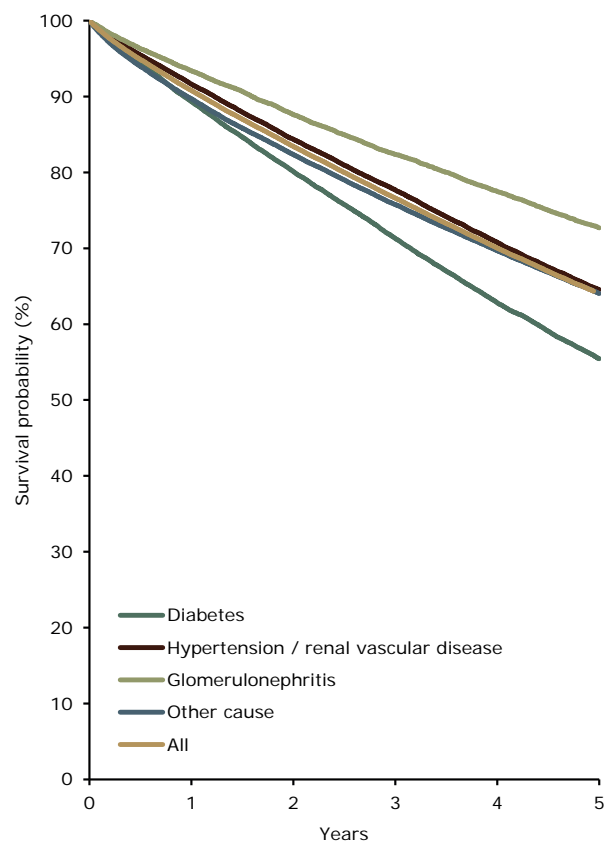
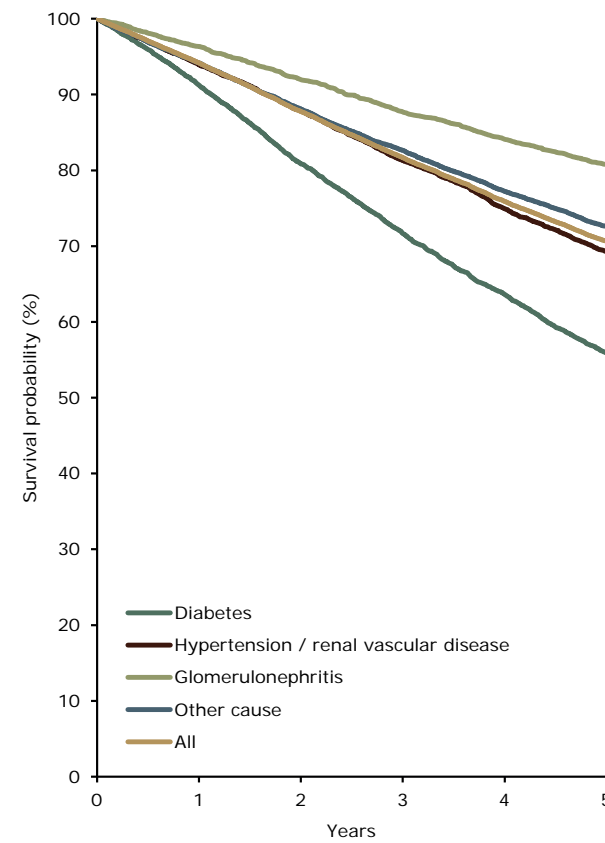


Figure B.6.6
**Adjusted survival (cohort 2005-2009):
 Incident peritoneal dialysis patients**
*from day 91, by primary diagnosis,
 adjusted for age and gender*



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 in 2013 and 2014, and of prevalent dialysis and transplant patients in 2013 and 2014 (includes mortality in the first 90 days), by age and gender

General population				ESRD: Dialysis				ESRD: Transplant			
Age	All	Men	Women	Age	All	Men	Women	Age	All	Men	Women
0	81.4	78.9	83.8	0-19	37.9	38.0	37.9	0-19	62.2	61.7	63.1
5	76.7	74.2	79.1								
10	71.7	69.2	74.1								
15	66.7	64.3	69.1								
20	61.8	59.4	64.2	20-24	21.9	22.2	21.5	20-24	44.0	43.4	45.2
25	56.9	54.5	59.2	25-29	19.0	19.2	18.7	25-29	39.5	38.9	40.5
30	52.0	49.7	54.3	30-34	16.3	16.2	16.5	30-34	35.1	34.6	36.1
35	47.2	44.8	49.4	35-39	14.1	14.2	14.0	35-39	30.7	30.3	31.6
40	42.4	40.1	44.5	40-44	12.0	12.0	12.1	40-44	26.7	26.1	27.8
45	37.6	35.4	39.7	45-49	10.3	10.1	10.6	45-49	23.0	22.3	24.2
50	33.0	30.8	35.0	50-54	8.6	8.5	8.9	50-54	19.1	18.4	20.4
55	28.5	26.4	30.4	55-59	7.2	7.1	7.5	55-59	15.8	15.1	17.0
60	24.2	22.2	25.9	60-64	6.2	6.0	6.5	60-64	12.7	12.3	13.5
65	20.0	18.3	21.6	65-69	5.4	5.2	5.6	65-69	9.9	9.5	10.6
70	16.1	14.6	17.4	70-74	4.7	4.6	4.8	70-74	7.6	7.2	8.1
75	12.5	11.2	13.4	75-79	3.8	3.7	3.9	75-79	5.3	5.2	5.3
80	9.1	8.1	9.8	80-84	2.5	2.5	2.5	80-84	2.7	2.6	2.7
85	6.3	5.6	6.7								

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

Section C: Aggregated data reference tables

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

	General population of 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	2892	99.0	9	8
Bulgaria	7364	98.0	73	71
Croatia	4284	95.0	47	41
Cyprus	847	100	6	6
Czech Republic	10538	97.0	103	100
Georgia	4491	100	19	19
Israel	8216	100	76	76
Italy (6 of 20 regions)	60783	35.0	649	242
Latvia	1987	80.0	24	22
Lithuania	2943	100	61	61
Macedonia	2022	100	23	23
Poland	38250	95.0	282	277
Portugal	10427	100	121	121
Slovakia	5421	100	69	69
Spain	46771	100	341	341
Switzerland	8238	99.9	84	83
Tunisia, Sfax region	10982	10.8	157	17
Turkey	77696	100	1026	1026
Ukraine	42903	100	56	56

Table C.2.1
Incident counts and percentages by age and gender
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	%	N	%				
Albania	252	147	105	6	2	1	1	5	5	55	22	32	22	23	22	126	50	74	50	52	50	50	20	30	20	20	19	15	6	10	7	5	5
Bulgaria †	1197	606	591																														
Croatia	640	330	310	3	0	2	1	1	0	46	7	31	9	15	5	232	36	116	35	116	37	249	39	129	39	120	39	110	17	52	16	58	19
Cyprus	173	121	52	1	1	0	0	1	2	13	8	5	4	8	15	67	39	51	42	16	31	44	25	32	26	12	23	48	28	33	27	15	29
Czech Republic †	2017																																
Georgia	743	476	267	22	3	13	3	9	3	167	22	114	24	53	20	308	41	197	41	111	42	163	22	102	21	61	23	83	11	50	11	33	12
Israel	1668	1053	615	48	3	28	3	20	3	149	9	97	9	52	8	523	31	356	34	167	27	436	26	259	25	177	29	512	31	313	30	199	32
Italy (6 of 20 regions)	3243	2071	1172	23	1	13	1	10	1	252	8	158	8	94	8	798	25	523	25	275	23	807	25	532	26	275	23	1363	42	845	41	518	44
Latvia	152	80	72	1	1	1	1	0	0	19	13	9	11	10	14	51	34	26	33	25	35	47	31	25	31	22	31	34	22	19	24	15	21
Lithuania	306	137	169	2	1	0	0	2	1	53	17	26	19	27	16	160	52	68	50	92	54	67	22	27	20	40	24	24	8	16	12	8	5
Macedonia	268	165	103	1	0	0	0	1	1	27	10	13	8	14	14	107	40	66	40	41	40	69	26	45	27	24	23	64	24	41	25	23	22
Poland	4341																																
Portugal	2473																																
Slovakia	831	502	329	2	0	2	0	0	0	78	9	50	10	28	9	312	38	208	41	104	32	249	30	150	30	99	30	190	23	92	18	98	30
Spain	6229	4153	2076	29	0	20	0	9	0	694	11	433	10	261	13	1938	31	1318	32	620	30	1702	27	1139	27	563	27	1866	30	1243	30	623	30
Switzerland	800	527	272	8	1	6	1	2	1	76	10	52	10	23	8	263	33	161	31	102	38	199	25	138	26	61	22	254	32	170	32	84	31
Tunisia, Sfax region	165	94	71	5	3	3	3	2	3	21	13	13	14	8	11	64	39	41	44	23	32	43	26	23	24	20	28	32	19	14	15	18	25
Turkey	11447																																
Ukraine	998	579	419																														

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.2.2
Incident rates per million (age-related) population by age and gender, 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	88.0	101.6	74.1	7.8	2.5	13.4	55.6	63.0	47.8	169.0	200.4	138.2	228.5	278.0	180.4	109.8	162.9	66.5
Bulgaria †	165.9	173.9	158.4															
Croatia	157.3	168.2	147.1	3.5	4.6	2.4	34.1	45.4	22.6	201.5	206.3	196.9	633.1	762.9	535.2	336.6	467.8	269.0
Cyprus	204.3	293.7	119.5	5.2	0	10.6	40.1	32.1	47.6	323.7	505.0	150.9	602.7	914.3	315.8	941.2	1500.0	517.2
Czech Republic †	197.3																	
Georgia	165.5	222.3	113.7	21.1	23.8	18.2	100.3	137.7	63.4	266.3	372.5	176.8	525.8	812.1	330.8	261.7	446.8	160.8
Israel	203.0	258.7	148.4	16.2	18.5	13.9	52.9	68.8	37.1	335.0	471.0	207.4	905.5	1158.8	686.0	1275.9	1897.0	842.1
Italy (6 of 20 regions)	152.4	200.7	107.0	5.8	6.4	5.2	37.1	46.3	27.8	133.7	179.2	90.1	355.2	498.9	228.1	597.0	956.5	370.1
Latvia	95.6	109.6	83.7	3.2	6.3	0	35.3	33.1	37.7	117.2	131.0	105.6	290.8	416.7	216.5	231.0	465.7	141.0
Lithuania	104.0	101.0	106.5	3.3	0	6.8	54.4	53.3	55.6	195.4	181.8	206.7	242.8	259.6	232.6	90.2	205.1	42.6
Macedonia	132.5	162.6	102.3	1.7	0	3.5	35.5	33.4	37.6	234.6	293.3	177.5	472.6	661.8	307.7	941.2	1413.8	589.7
Poland	119.5																	
Portugal	237.2																	
Slovakia	153.3	190.0	118.4	1.8	3.5	0	37.5	47.0	27.5	213.6	292.1	138.9	552.1	789.5	379.3	620.9	920.0	475.7
Spain	133.2	180.7	87.3	4.1	5.5	2.6	36.8	45.1	28.2	155.9	214.1	98.8	411.2	587.7	255.8	433.7	742.1	237.1
Switzerland	97.2	129.5	65.4	4.8	7.0	2.5	27.2	36.8	16.6	113.9	138.6	88.9	253.1	367.4	148.6	375.0	635.0	205.1
Tunisia, Sfax region	138.9	158.8	119.1	13.4	15.6	11.1	44.2	56.1	32.9	257.8	333.3	183.7	822.8	908.4	742.3	782.4	707.0	853.1
Turkey	147.3																	
Ukraine	23.3	29.2	18.2															

When cells are left empty, the data are unavailable

† Data include dialysis patients only

Table C.2.3
Gender, 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	55.1	15.8	52.0	58.3	56.4	14.4	53.0	41.7	53.4	17.6	51.0
Bulgaria †	100				50.6				49.4			
Croatia	100	63.7	12.3	65.0	51.6	62.3	13.2	65.0	48.4	65.2	10.9	67.0
Cyprus	100	64.6	14.6	66.0	69.9	65.7	11.7	70.0	30.1	61.8	19.5	70.0
Czech Republic												
Georgia	100	58.4	16.1	59.3	64.1	58.7	15.6	59.6	35.9	57.8	16.8	60.3
Israel	100	64.6	17.4	67.5	63.1	64.1	17.2	66.6	36.9	65.3	17.7	69.1
Italy (6 of 20 regions)	100	68.6	15.3	72.5	63.9	68.4	15.0	72.5	36.1	69.0	15.8	72.5
Latvia	100	63.3	14.7	65.0	52.6	63.8	15.5	65.5	47.4	62.7	13.9	65.0
Lithuania	100	57.8	15.2	58.0	44.8	60.7	14.9	59.0	55.2	55.5	14.2	57.0
Macedonia	100	63.2	13.6	64.0	61.6	64.4	12.7	65.0	38.4	61.3	14.9	63.0
Poland												
Portugal												
Slovakia	100	63.8	14.0	66.0	60.4	62.8	13.6	64.0	39.6	65.4	14.1	67.0
Spain	100	63.0	15.4	67.7	66.7	63.2	15.1	67.7	33.3	62.6	15.8	67.6
Switzerland	100	64.5	15.7	67.2	65.9	64.8	15.7	67.9	34.0	63.9	15.5	65.0
Tunisia, Sfax region	100	60.1	16.5	63.0	57.0	58.7	16.2	61.0	43.0	62.0	16.9	66.0
Turkey												
Ukraine	100				58.0				42.0			

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
Incident rates per million population and percentages by cause of renal failure, unadjusted
at day 1

	Total		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type I		Type II		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	88.0	100	12.9	14.7	19.2	21.8	3.8	4.4	2.8	3.2	7.7	8.7	10.5	11.9	6.6	7.5	1.7	2.0	9.8	11.1	23.4	26.6	0	0
Bulgaria †	165.9	100	26.3	15.9	14.4	8.7	14.7	8.9					38.9	23.5	19.1	11.5	15.8	9.5	20.1	12.1	14.0	8.4	2.5	1.5
Croatia	157.3	100	17.2	10.9	17.2	10.9	23.6	15.0	6.1	3.9	39.6	25.2	45.7	29.1	26.5	16.9	7.4	4.7	17.2	10.9	2.5	1.6	0	0
Cyprus	204.3	100	14.2	6.9	4.7	2.3	14.2	6.9	4.7	2.3	63.8	31.2	68.5	33.5	23.6	11.6	2.4	1.2	29.5	14.5	47.2	23.1	0	0
Czech Republic																								
Georgia	165.5	100	19.6	11.8	13.8	8.3	12.0	7.3	4.7	2.8	30.7	18.6	35.4	21.4	16.7	10.1	8.0	4.8	7.6	4.6	49.2	29.7	3.1	1.9
Israel	203.0	100	13.9	6.8	2.9	1.4	5.1	2.5	54.2	26.7	44.1	21.7	98.2	48.4	15.6	7.7	6.5	3.2	23.2	11.5	28.7	14.1	8.9	4.4
Italy (6 of 20 regions)	152.4	100	16.0	10.5	5.4	3.5	7.6	5.0					26.2	17.2	22.0	14.5	5.9	3.9	16.3	10.7	33.9	22.3	19.1	12.5
Latvia	95.6	100	12.6	13.2	18.2	19.1	9.4	9.9	3.8	3.9	10.7	11.2	14.5	15.1	17.6	18.4	0.6	0.7	11.3	11.8	11.3	11.8	0	0
Lithuania +	104.0	100	14.3	13.7	5.4	5.2	6.8	6.5					16.3	15.7	16.3	15.7			15.0	14.4	1.4	1.3	28.5	27.5
Macedonia	132.5	100	9.9	7.5	12.9	9.7	4.9	3.7	2.0	1.5	28.7	21.6	30.7	23.1	41.5	31.3	0	0	12.9	9.7	19.3	14.6	0.5	0.4
Poland																								
Portugal & +	237.2	100	25.4	10.7			10.2	4.3					75.8	31.9	34.6	14.6			48.4	20.4	40.7	17.1	2.1	0.9
Slovakia	153.3	100	15.7	10.2	10.3	6.7	6.8	4.5					58.3	38.0	16.2	10.6	8.7	5.7	34.5	22.5	2.8	1.8	0	0
Spain ¶	133.2	100	17.0	12.7	10.8	8.1	9.4	7.1					32.5	24.4	18.9	14.2			16.4	12.3	28.3	21.3	0	0
Switzerland †	97.2	100	13.2	14.4	1.3	1.4	5.8	6.3	1.3	1.4	17.7	19.2	19.1	20.7	16.9	18.3	3.9	4.2	22.0	23.8	9.7	10.5	0.2	0.3
Tunisia, Sfax region	138.9	100	9.3	6.7	31.1	22.4	7.6	5.5					49.7	35.8	0	0	3.4	2.4	0.8	0.6	37.0	26.7	0	0
Turkey ‡	147.3	100	2.0	5.5	0.4	1.1	1.4	3.7	3.7	10.2	9.7	26.6	13.4	36.7	10.5	28.7	0.2	0.5	3.7	10.2	5.0	13.6	0	0
Ukraine +	23.3	100	8.6	36.8	2.9	12.4	2.5	10.7					4.6	19.6	1.3	5.6			3.1	13.4	0.1	0.3	0.3	1.1

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

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

† Data include dialysis patients only

‡ Data are available for 2836 of 11447 patients (24.8%)

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

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

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

Table C.2.5
Incident rates per million population, adjusted
at day 1, adjusted for age and gender

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	90.0	103.6	75.1
Bulgaria			
Croatia	150.8	168.6	136.4
Cyprus	211.2	295.9	122.7
Czech Republic			
Georgia	181.8	258.3	120.8
Israel	301.5	375.9	224.8
Italy (6 of 20 regions)	131.2	168.7	93.4
Latvia	88.8	113.3	74.2
Lithuania	101.9	101.6	104.7
Macedonia	199.2	243.9	148.8
Poland			
Portugal			
Slovakia	169.1	218.8	128.1
Spain	125.7	166.3	83.8
Switzerland	95.8	124.5	65.5
Tunisia, Sfax region	100.1	109.9	90.3
Turkey			
Ukraine			

*Categories may not add up because of missing values or rounding off
When cells are left empty, the data are unavailable*

Table C.3.1
Incident counts and percentages by age and gender
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	211	126	85	5	2	1	1	4	5	45	21	25	20	20	24	109	52	67	53	42	49	42	20	25	20	17	20	10	5	8	6	2	2		
Bulgaria	978	491	487																																
Croatia	532	269	263	3	1	2	1	1	0	46	9	31	12	15	6	224	42	110	41	114	43	180	34	89	33	91	35	79	15	37	14	42	16		
Cyprus	164	115	49	1	1	0	0	1	2	12	7	5	4	7	14	64	39	48	42	16	33	42	26	30	26	12	24	45	27	32	28	13	27		
Czech Republic																																			
Georgia	613	395	218	21	3	12	3	9	4	107	17	61	15	46	21	296	48	207	52	89	41	132	22	81	21	51	23	57	9	34	9	23	11		
Israel	1568	995	573	48	3	28	3	20	3	147	9	96	10	51	9	508	32	347	35	161	28	409	26	243	24	166	29	456	29	281	28	175	31		
Italy (6 of 20 regions)	3161	2020	1141	23	1	13	1	10	1	252	8	158	8	94	8	798	25	523	26	275	24	807	26	532	26	275	24	1281	41	794	39	487	43		
Latvia	135	70	65	1	1	1	1	0	0	18	13	8	11	10	15	45	33	23	33	22	34	41	30	22	31	19	29	30	22	16	23	14	22		
Lithuania	297	133	164	2	1	0	0	2	1	53	18	26	20	27	16	158	53	67	50	91	55	63	21	25	19	38	23	21	7	15	11	6	4		
Macedonia	232	141	91	1	0	0	0	1	1	26	11	13	9	13	14	96	41	58	41	38	42	56	24	37	26	19	21	53	23	33	23	20	22		
Poland																																			
Portugal	2329																																		
Slovakia	706	432	274	2	0	2	0	0	0	76	11	50	12	26	9	277	39	188	44	89	32	210	30	129	30	81	30	141	20	63	15	78	28		
Spain																																			
Switzerland	795	525	270	8	1	6	1	2	1	74	9	51	10	23	9	263	33	161	31	102	38	198	25	137	26	61	23	252	32	170	32	82	30		
Tunisia, Sfax region																																			
Turkey																																			
Ukraine																																			

*Categories may not add up because of missing values or rounding off
When cells are left empty, the data are unavailable*

Table C.3.2
Incident rates per million (age-related) population by age and gender, unadjusted
at day 91

	All			0-19			20-44			45-64			65-74			75+		
	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Albania	73.7	87.1	60.0	6.5	2.5	10.7	45.5	49.2	41.6	146.2	181.4	111.6	192.0	231.7	153.3	73.2	130.3	26.6
Bulgaria	135.5	140.9	130.5															
Croatia	130.7	137.1	124.8	3.5	4.6	2.4	34.1	45.4	22.6	194.5	195.6	193.5	457.7	526.3	405.9	241.7	332.9	194.8
Cyprus	193.6	279.1	112.6	5.2	0	10.6	37.0	32.1	41.7	309.2	475.2	150.9	575.3	857.1	315.8	882.4	1454.5	448.3
Czech Republic																		
Georgia	136.5	184.5	92.8	20.1	21.9	18.2	64.3	73.7	55.0	255.9	391.4	141.8	425.8	644.9	276.6	179.8	303.8	112.1
Israel	190.9	244.5	138.2	16.2	18.5	13.9	52.2	68.1	36.3	325.4	459.1	199.9	849.4	1087.2	643.4	1136.3	1703.0	740.6
Italy (6 of 20 regions)	148.6	195.7	104.2	5.8	6.4	5.2	37.1	46.3	27.8	133.7	179.2	90.1	355.2	498.9	228.1	561.1	898.8	347.9
Latvia	84.9	95.9	75.6	3.2	6.3	0	33.5	29.4	37.7	103.4	115.9	92.9	253.7	366.7	187.0	203.8	392.2	131.6
Lithuania	100.9	98.1	103.3	3.3	0	6.8	54.4	53.3	55.6	192.9	179.1	204.5	228.3	240.4	220.9	78.9	192.3	31.9
Macedonia	114.7	138.9	90.4	1.7	0	3.5	34.2	33.4	34.9	210.5	257.8	164.5	383.6	544.1	243.6	779.4	1137.9	512.8
Poland																		
Portugal	223.4																	
Slovakia	130.2	163.5	98.6	1.8	3.5	0	36.5	47.0	25.6	189.6	264.0	118.8	465.6	678.9	310.3	460.8	630.0	378.6
Spain																		
Switzerland	96.6	129.0	64.9	4.8	7.0	2.5	26.5	36.1	16.6	113.9	138.6	88.9	251.8	364.7	148.6	372.1	635.0	200.2
Tunisia, Sfax region																		
Turkey																		
Ukraine																		

When cells are left empty, the data are unavailable

Table C.3.3
Gender, 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	56.0	15.1	51.0	59.7	57.8	15.6	52.0	40.3	53.1	16.2	50.0
Bulgaria	100				50.2				49.8			
Croatia	100	62.2	12.5	64.0	50.6	60.6	13.6	63.0	49.4	63.9	11.1	65.0
Cyprus	100	64.4	14.7	66.0	70.1	65.9	11.7	66.0	29.9	60.9	19.7	65.0
Czech Republic												
Georgia	100	57.2	15.8	59.2	64.4	57.8	15.0	59.1	35.6	56.2	16.3	59.3
Israel	100	63.9	17.5	67.2	63.5	63.5	17.3	65.9	36.5	64.7	17.9	68.6
Italy (6 of 20 regions)	100	68.3	15.3	72.5	63.9	68.0	15.0	72.5	36.1	68.8	15.8	72.5
Latvia	100	62.8	15.1	65.0	51.9	63.1	15.7	65.0	48.1	62.5	14.4	65.0
Lithuania	100	57.7	15.1	58.0	44.8	60.6	14.8	59.0	55.2	55.4	14.2	57.0
Macedonia	100	62.5	13.9	63.5	60.8	63.7	13.1	64.0	39.2	60.7	15.1	62.0
Poland												
Portugal												
Slovakia	100	62.7	14.1	64.0	61.2	61.5	13.6	63.0	38.8	64.5	14.6	67.0
Spain												
Switzerland	100	64.5	15.7	67.2	66.0	64.9	15.7	68.0	34.0	63.8	15.5	65.0
Tunisia, Sfax region												
Turkey												
Ukraine												

*Categories may not add up because of missing values or rounding off
When cells are left empty, the data are unavailable*

Table C.3.4
Incident rates per million population and percentages by cause of renal failure, unadjusted
at day 91

	Total		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type I		Type II		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	73.7	100	9.8	13.3	16.8	22.7	2.4	3.3	1.7	2.4	7.3	10.0	9.1	12.3	4.9	6.6	1.0	1.4	8.4	11.4	19.9	27.0	1.4	1.9
Bulgaria	135.5	100	20.6	15.2	12.6	9.3	12.7	9.4					28.8	21.3	15.7	11.6	13.3	9.8	17.6	13.0	12.6	9.3	1.5	1.1
Croatia	130.7	100	16.0	12.2	16.5	12.6	22.4	17.1	5.7	4.3	30.2	23.1	35.9	27.4	21.9	16.7	4.2	3.2	12.8	9.8	1.2	0.9	0	0
Cyprus	193.6	100	14.2	7.3	4.7	2.4	13.0	6.7	3.5	1.8	62.6	32.3	66.1	34.1	22.4	11.6	2.4	1.2	29.5	15.2	41.3	21.3	0	0
Czech Republic																								
Georgia	136.5	100	16.5	12.1	12.0	8.8	10.2	7.5	4.7	3.4	23.6	17.3	28.3	20.7	14.9	10.9	5.1	3.8	5.8	4.2	40.5	29.7	3.1	2.3
Israel	190.9	100	13.4	7.0	2.9	1.5	5.0	2.6	51.4	26.9	42.6	22.3	94.0	49.2	14.8	7.8	6.2	3.3	20.8	10.9	25.9	13.6	7.8	4.1
Italy (6 of 20 regions)	148.6	100	15.7	10.5	5.4	3.6	7.6	5.1					26.2	17.7	21.2	14.3	5.1	3.4	15.8	10.7	32.8	22.1	18.8	12.7
Latvia	84.9	100	12.0	14.1	16.4	19.3	9.4	11.1	3.1	3.7	8.8	10.4	12.0	14.1	15.7	18.5	0	0	9.4	11.1	10.1	11.9	0	0
Lithuania +	100.9	100	14.3	14.1	4.8	4.7	6.8	6.7					16.0	15.8	16.3	16.2			14.6	14.5	1.4	1.3	26.8	26.6
Macedonia	114.7	100	9.9	8.6	10.4	9.1	4.5	3.9	2.0	1.7	24.7	21.6	26.7	23.3	37.6	32.8	0	0	10.4	9.1	14.8	12.9	0.5	0.4
Poland																								
Portugal																								
Slovakia	130.2	100	12.7	9.8	8.9	6.8	5.3	4.1					51.7	39.7	13.7	10.5	6.8	5.2	29.1	22.4	2.0	1.6	0	0
Spain																								
Switzerland †	96.6	100	13.2	14.5	1.3	1.5	5.7	6.2	1.2	1.3	17.6	19.2	18.8	20.6	16.8	18.3	3.9	4.2	21.9	23.9	9.7	10.6	0.2	0.3
Tunisia, Sfax region																								
Turkey																								
Ukraine																								

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

Table C.3.5
Incident rates per million population, adjusted
at day 91, adjusted for age and gender

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	78.5	90.0	67.0
Bulgaria			
Croatia	124.7	135.7	115.4
Cyprus	201.2	283.4	114.7
Czech Republic			
Georgia	149.3	212.6	98.6
Israel	282.1	354.2	208.1
Italy (6 of 20 regions)	128.9	166.2	91.4
Latvia	79.1	99.3	67.3
Lithuania	99.0	98.4	101.9
Macedonia	172.9	208.0	131.9
Poland			
Portugal			
Slovakia	141.6	184.3	105.8
Spain			
Switzerland	95.3	124.0	65.0
Tunisia, Sfax region			
Turkey			
Ukraine			

*Categories may not add up because of missing values or rounding off
When cells are left empty, the data are unavailable*

Table C.3.6
Incident counts by established therapy
at day 91

	Total	Haemodialysis						Peritoneal dialysis				Transplant			Missing	
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living	Deceased	Tx type Unkn		Total Tx
		N	N	N	N	N	N	N	N	N	N	N	N	N		N
Albania	211	187	0	0	0	0	187	0	10	0	10	7	3	0	10	4
Bulgaria	978	921	0	0	0	27	948	7	18	0	25	1	4	0	5	0
Croatia	532	211	0	0	0	93	304	18	22	0	40	8	180	0	188	0
Cyprus	164			136			136	7	17	0	24	4	0	0	4	0
Czech Republic																
Georgia	613	561	0	0	0	0	561	39	3	0	42	4	0	2	6	4
Israel	1568	1372	0	0	0	0	1372	68	64	1	133	57	3	3	63	0
Italy (6 of 20 regions)	3161	1957	0	577	20	222	2776	124	254	0	378	7	0	0	7	0
Latvia	135	112	0				112			22	22	1	0	0	1	0
Lithuania	297	279	0	0	0	0	279			17	17	1	0	0	1	0
Macedonia	232	222	0	0	0	0	222	0	4	0	4	6	0	0	6	0
Poland																
Portugal #	2329	2110	0	0	0	0	2110			186	186			24	24	9
Slovakia	706	308	0	0	0	362	670	9	11	0	20	7	9	0	16	0
Spain																
Switzerland	795	659	4	0	0	0	663	36	51	0	87	36	5	0	41	4
Tunisia, Sfax region																
Turkey																
Ukraine																

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

Table C.3.7
Incident rates per million population by established therapy, unadjusted
at day 91

	Total	Haemodialysis						Peritoneal dialysis				Transplant			Missing	
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living	Deceased	Tx type Unkn		Total Tx
		Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp		Pmp
Albania	73.7	65.3	0	0	0	0	65.3	0	3.5	0	3.5	2.4	1.0	0	3.5	1.4
Bulgaria	135.5	127.6	0	0	0	3.7	131.4	1.0	2.5	0	3.5	0.1	0.6	0	0.7	0
Croatia	130.7	51.8	0	0	0	22.9	74.7	4.4	5.4	0	9.8	2.0	44.2	0	46.2	0
Cyprus	193.6			160.6			160.6	8.3	20.1	0	28.3	4.7	0	0	4.7	0
Czech Republic																
Georgia	136.5	124.9	0	0	0	0	124.9	8.7	0.7	0	9.4	0.9	0	0.4	1.3	0.9
Israel	190.9	167.0	0	0	0	0	167.0	8.3	7.8	0.1	16.2	6.9	0.4	0.4	7.7	0
Italy (6 of 20 regions)	148.6	92.0	0	27.1	0.9	10.4	130.5	5.8	11.9	0	17.8	0.3	0	0	0.3	0
Latvia	84.9	70.5	0				70.5			13.8	13.8	0.6	0	0	0.6	0
Lithuania	100.9	94.8	0	0	0	0	94.8			5.8	5.8	0.3	0	0	0.3	0
Macedonia	114.7	109.8	0	0	0	0	109.8	0	2.0	0	2.0	3.0	0	0	3.0	0
Poland																
Portugal #	223.4	202.4	0	0	0	0	202.4			17.8	17.8			2.3	2.3	0.9
Slovakia	130.2	56.8	0	0	0	66.8	123.6	1.7	2.0	0	3.7	1.3	1.7	0	3.0	0
Spain																
Switzerland	96.6	80.1	0.5	0	0	0	80.6	4.4	6.2	0	10.6	4.4	0.6	0	5.0	0.5
Tunisia, Sfax region																
Turkey																
Ukraine																

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

Table C.3.8
Percentages of established therapy, unadjusted
at day 91

	Total	Haemodialysis					Peritoneal dialysis				Transplant			Missing		
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living	Deceased		Tx type Unkn	Total Tx
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Albania	100	88.6	0	0	0	0	88.6	0	4.7	0	4.7	3.3	1.4	0	4.7	1.9
Bulgaria	100	94.2	0	0	0	2.8	96.9	0.7	1.8	0	2.6	0.1	0.4	0	0.5	0
Croatia	100	39.7	0	0	0	17.5	57.1	3.4	4.1	0	7.5	1.5	33.8	0	35.3	0
Cyprus	100			82.9			82.9	4.3	10.4	0	14.6	2.4	0	0	2.4	0
Czech Republic																
Georgia	100	91.5	0	0	0	0	91.5	6.4	0.5	0	6.9	0.7	0	0.3	1.0	0.7
Israel	100	87.5	0	0	0	0	87.5	4.3	4.1	0.1	8.5	3.6	0.2	0.2	4.0	0
Italy (6 of 20 regions)	100	61.9	0	18.3	0.6	7.0	87.8	3.9	8.0	0	12.0	0.2	0	0	0.2	0
Latvia	100	83.0	0				83.0			16.3	16.3	0.7	0	0	0.7	0
Lithuania	100	93.9	0	0	0	0	93.9			5.7	5.7	0.3	0	0	0.3	0
Macedonia	100	95.7	0	0	0	0	95.7	0	1.7	0	1.7	2.6	0	0	2.6	0
Poland																
Portugal #	100	90.6	0	0	0	0	90.6			8.0	8.0			1.0	1.0	0.4
Slovakia	100	43.6	0	0	0	51.3	94.9	1.3	1.6	0	2.8	1.0	1.3	0	2.3	0
Spain																
Switzerland	100	82.9	0.5	0	0	0	83.4	4.5	6.4	0	10.9	4.5	0.6	0	5.2	0.5
Tunisia, Sfax region																
Turkey																
Ukraine																

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

Table C.4.1
Prevalent counts and percentages by age and gender
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	1072	657	415	8	1	3	0	5	1	380	35	231	35	149	36	435	41	257	39	178	43	190	18	127	19	63	15	59	6	39	6	20	5
Bulgaria	4168	2025	2143																														
Croatia	4295	2452	1843	6	0	4	0	2	0	316	7	189	8	127	7	1640	38	994	41	646	35	1150	27	654	27	496	27	1183	28	611	25	572	31
Cyprus																																	
Czech Republic ‡	10931			4	0					632	6				2245	21					2081	19					1443	13					
Georgia	2096	1334	762	22	1	13	1	9	1	349	17	201	15	148	19	1079	51	704	53	375	49	437	21	291	22	146	19	209	10	125	9	84	11
Israel †	6286	3830	2456	84	1	51	1	33	1	544	9	344	9	200	8	2037	32	1308	34	729	30	1677	27	993	26	684	28	1944	31	1134	30	810	33
Italy (6 of 20 regions)	24721	15538	9183	476	2	280	2	196	2	3665	15	2313	15	1352	15	8565	35	5431	35	3134	34	5669	23	3650	23	2019	22	6346	26	3864	25	2482	27
Latvia	996	517	479	15	2	13	3	2	0	215	22	116	22	99	21	449	45	231	45	218	46	199	20	99	19	100	21	118	12	58	11	60	13
Lithuania	2146																																
Macedonia	1543	908	635	10	1	5	1	5	1	277	18	163	18	114	18	776	50	444	49	332	52	315	20	194	21	121	19	165	11	102	11	63	10
Poland	31106																																
Portugal	18703	11073	7565																														
Slovakia †	3273	1899	1374	4	0	3	0	1	0	355	11	206	11	149	11	1292	39	851	45	441	32	993	30	548	29	445	32	629	19	291	15	338	25
Spain	55062	34593	20469	260	0	158	0	102	0	8463	15	5213	15	3250	16	21314	39	13659	39	7655	37	13174	24	8480	25	4694	23	11851	22	7083	20	4768	23
Switzerland †	2834	1785	1049	3	0	1	0	2	0	221	8	140	8	81	8	743	26	474	27	269	26	709	25	466	26	243	23	1158	41	704	39	454	43
Tunisia, Sfax region †	806	445	361	7	1	4	1	3	1	167	21	100	22	67	19	320	40	179	40	141	39	179	22	104	23	75	21	133	17	58	13	75	21
Turkey	71318																																
Ukraine	6742	3818	2924																														

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 per age category include dialysis patients only (total N=6405)

Table C.4.2
Prevalence per million (age-related) population by age and gender, 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	374.4	454.2	292.9	10.3	7.5	13.4	384.2	454.8	309.7	583.5	696.0	473.2	868.4	1176.9	568.2	431.9	635.4	265.8
Bulgaria	577.5	581.1	574.2															
Croatia	1055.3	1249.9	874.3	7.0	9.2	4.8	234.6	277.1	191.0	1424.4	1767.4	1096.8	2924.0	3867.5	2212.3	3620.0	5497.1	2652.4
Cyprus																		
Czech Republic ‡	1069.4			2.0			170.3			836.1			1860.7			2046.3		
Georgia	466.8	623.0	324.4	21.1	23.8	18.2	209.7	242.8	176.9	932.9	1331.1	597.4	1409.7	2316.9	791.8	659.1	1117.1	409.4
Israel †	765.1	941.0	592.5	28.4	33.7	22.9	193.3	243.9	142.5	1304.8	1730.6	905.1	3482.9	4443.0	2651.2	4844.3	6872.7	3427.8
Italy (6 of 20 regions)	1162.0	1505.7	838.3	120.2	137.3	102.1	539.8	677.9	400.3	1434.5	1860.8	1026.9	2494.9	3422.6	1674.5	2779.6	4374.0	1773.3
Latvia	626.6	708.6	557.0	48.7	82.1	13.4	399.9	426.5	372.7	1031.7	1164.3	920.6	1231.4	1650.0	984.3	801.6	1421.6	563.9
Lithuania	729.2																	
Macedonia	763.1	894.6	630.6	16.9	16.4	17.4	364.0	419.0	306.5	1701.8	1973.3	1437.2	2157.5	2852.9	1551.3	2426.5	3517.2	1615.4
Poland	856.0																	
Portugal	1793.7	2233.4	1383.3															
Slovakia †	603.8	718.8	494.4	3.6	5.2	1.8	170.6	193.6	146.5	884.3	1195.2	588.8	2201.8	2884.2	1705.0	2055.6	2910.0	1640.8
Spain	1177.3	1505.0	860.5	36.9	43.6	29.8	448.9	543.2	351.2	1714.7	2219.2	1219.9	3182.9	4375.6	2132.7	2754.1	4228.7	1814.3
Switzerland †	344.4	438.6	252.2	1.8	1.2	2.5	79.1	99.2	58.6	321.7	408.0	234.4	901.8	1240.6	591.8	1709.7	2629.5	1108.4
Tunisia, Sfax region †	678.3	751.6	605.5	18.8	20.8	16.7	351.7	431.5	275.6	1289.2	1455.0	1126.3	3425.1	4107.6	2783.8	3251.9	2929.2	3554.7
Turkey	917.9																	
Ukraine	157.1	192.4	126.8															

When cells are left empty, the data are unavailable

† Data include dialysis patients only

‡ Data per age category include dialysis patients only (total N=6405)

Table C.4.3
Gender, 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	51.4	15.3	51.5	61.3	52.4	15.4	53.0	38.7	49.8	15.6	50.0
Bulgaria	100				48.6				51.4			
Croatia	100	64.6	21.1	65.0	57.1	63.9	24.8	65.0	42.9	65.5	14.1	68.0
Cyprus												
Czech Republic												
Georgia	100	56.1	14.5	58.8	63.6	55.8	14.3	57.1	36.4	56.5	15.1	56.6
Israel †	100	60.9	17.2	63.8	60.9	60.7	17.1	63.1	39.1	61.2	17.3	64.7
Italy (6 of 20 regions)	100	61.8	17.2	62.5	62.9	61.7	17.0	62.5	37.1	61.9	17.5	62.5
Latvia	100	55.7	15.8	57.0	51.9	54.7	16.5	55.0	48.1	56.8	15.0	59.0
Lithuania												
Macedonia	100	56.9	14.0	58.0	58.8	57.1	14.0	57.0	41.2	56.6	14.1	59.0
Poland												
Portugal †	100	66.4			59.2				40.4			
Slovakia †	100	62.7	13.8	64.0	58.0	61.6	13.3	63.0	42.0	64.3	14.3	67.0
Spain	100	59.5	16.0	62.6	62.8	59.4	15.8	62.5	37.2	59.6	16.3	63.0
Switzerland †	100	68.1	14.8	70.8	63.0	68.0	14.6	70.6	37.0	68.5	14.8	71.6
Tunisia, Sfax region †	100	58.2	16.1	60.0	55.2	57.0	16.1	59.0	44.8	59.6	16.0	61.0
Turkey												
Ukraine	100				56.6				43.4			

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 and percentages by cause of renal failure, unadjusted
prevalent patients on December 31

	Total		GN		PN		PKD		DM						HT		RVD		Misc		Unkn		Missing	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type I		Type II		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	374.4	100	54.5	14.6	100.9	27.0	26.2	7.0	8.7	2.3	33.2	8.9	41.9	11.2	31.4	8.4	10.5	2.8	41.9	11.2	62.9	16.8	4.2	1.1
Bulgaria																								
Croatia	1055.3	100	116.2	11.0	157.7	14.9	84.8	8.0	61.4	5.8	244.7	23.2	306.2	29.0	187.2	17.7	34.4	3.3	147.7	14.0	21.1	2.0	0	0
Cyprus																								
Czech Republic																								
Georgia	466.8	100	55.9	12.0	41.0	8.8	34.7	7.4	15.8	3.4	81.1	17.4	96.9	20.8	50.6	10.8	17.1	3.7	19.8	4.2	142.1	30.4	8.7	1.9
Israel †	765.1	100	75.8	9.9	28.8	3.8	28.6	3.7	214.2	28.0	139.9	18.3	354.1	46.3	75.6	9.9	21.3	2.8	95.4	12.5	81.9	10.7	3.5	0.5
Italy (6 of 20 regions)	1162.0	100	228.4	19.7	76.4	6.6	98.9	8.5					138.2	11.9	139.4	12.0	37.6	3.2	103.9	8.9	274.0	23.6	65.2	5.6
Latvia	626.6	100	196.9	31.4	85.6	13.7	77.4	12.3	31.5	5.0	29.6	4.7	61.0	9.7	72.3	11.5	1.3	0.2	91.8	14.7	40.3	6.4	0	0
Lithuania																								
Macedonia	763.1	100	126.6	16.6	86.5	11.3	69.2	9.1	10.9	1.4	100.4	13.2	111.3	14.6	186.0	24.4	0.5	0.1	70.7	9.3	111.3	14.6	1.0	0.1
Poland																								
Portugal † & +	1793.7	100	142.8	12.3			69.9	6.0					319.6	27.6	171.0	14.8			219.6	18.9	227.2	19.6	8.9	0.8
Slovakia †	603.8	100	80.2	13.3	62.7	10.4	32.8	5.4					196.8	32.6	53.5	8.9	27.3	4.5	142.2	23.6	8.1	1.3	0	0
Spain ¶	1177.3	100	219.0	18.6	116.9	9.9	116.8	9.9					163.1	13.9	119.4	10.1			187.1	15.9	215.9	18.3	14.4	1.2
Switzerland †	344.4	100	54.2	15.7	13.9	4.0	24.5	7.1	8.4	2.4	57.2	16.6	65.6	19.1	62.0	18.0	12.4	3.6	74.4	21.6	37.4	10.9	0	0
Tunisia, Sfax region †	678.3	100	90.0	13.3	122.9	18.1	48.8	7.2					117.8	17.4			17.7	2.6			247.4	36.5	33.7	5.0
Turkey ‡	917.9	100	7.5	6.5	2.2	1.9	5.6	4.9	8.0	7.0	28.3	24.7	36.3	31.7	31.9	27.8	0.9	0.8	13.3	11.6	16.8	14.7	0	0
Ukraine +	157.1	100	70.5	44.8	22.2	14.1	16.2	10.3					21.0	13.4	6.3	4.0			17.5	11.2	0.4	0.3	3.1	2.0

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

Categories may not add up because of rounding off

When cells are left empty, the data are unavailable

† Data include dialysis patients only

‡ Data are available for 8897 of 71318 patients (12.5%)

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

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

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

Table C.4.5
Prevalence per million population, adjusted
prevalent patients on December 31, adjusted for age and gender

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	437.0	576.0	298.0
Bulgaria			
Croatia	1007.1	1238.8	814.6
Cyprus			
Czech Republic			
Georgia	509.7	720.1	340.2
Israel †	1150.2	1382.7	907.9
Italy (6 of 20 regions)	1048.1	1333.1	767.2
Latvia	601.4	718.3	518.0
Lithuania			
Macedonia	986.0	1170.3	789.7
Poland			
Portugal			
Slovakia †	657.5	812.5	528.7
Spain	1101.7	1385.7	813.2
Switzerland †	417.5	521.4	306.2
Tunisia, Sfax region †	1000.4	1058.0	948.3
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.4.6

Prevalent counts by established therapy*prevalent patients on December 31*

	Total	Haemodialysis						Peritoneal dialysis				Transplant				Missing
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living	Deceased	Tx type Unkn	Total Tx	
		N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Albania	1072	800	0	0	0	0	800	0	48	0	48	158	41	10	209	15
Bulgaria	4168	3263	0	0	0	49	3312	51	110	0	161	107	458	39	604	91
Croatia	4295	1958	0	0	0	328	2286	77	93	0	170	80	1524	235	1839	0
Cyprus																
Czech Republic	10931	2465	1	0	169	3339	5974			431	431			4526	4526	0
Georgia	2096	1770	0	0	0	0	1770	86	7	0	93	227	0	2	229	4
Israel †	6286	5901	0	0	0	0	5901	200	179	4	383					2
Italy (6 of 20 regions)	24721	11963	12	164	246	3466	15851	742	802	25	1569	547	6509	14	7070	231
Latvia	996	366	0				366			92	92	23	515	0	538	0
Lithuania	2146	1361	0	0	0	0	1361			50	50			735	735	0
Macedonia	1543	1279	1	0	0	0	1280	0	30	0	30	222	11	0	233	0
Poland	31106	19345	0	0	0	0	19345			1046	1046			10715	10715	0
Portugal	18703	4390	0	0	0	6960	11350	349	386	0	735			6618	6618	0
Slovakia †	3273	1111	1	0	12	2067	3191	41	41	0	82					0
Spain	55062	20646	84	0	0	2782	23512	997	2029	0	3026			28524	28524	0
Switzerland †	2834	2599	37	0	0	0	2636	83	98	0	181					0
Tunisia, Sfax region †	806	771	0	0	0	0	771	13	22	0	35					0
Turkey	71318	53577	159	32	1	0	53769	1389	2917		4306			11122	11122	2121
Ukraine	6742	4826	0	0	0	240	5066	25	806	0	831	510	141	194	845	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 established therapy, unadjusted
prevalent patients on December 31

	Total	Haemodialysis						Peritoneal dialysis				Transplant			Missing	
		HD hospital/ centre	HD home	HD type Unkn	HF	HDF	Total HD/ HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living	Deceased	Tx type Unkn		Total Tx
Albania	374.4	279.4	0	0	0	0	279.4	0	16.8	0	16.8	55.2	14.3	3.5	73.0	5.2
Bulgaria	577.5	452.1	0	0	0	6.8	458.9	7.1	15.2	0	22.3	14.8	63.5	5.4	83.7	12.6
Croatia	1055.3	481.1	0	0	0	80.6	561.7	18.9	22.9	0	41.8	19.7	374.5	57.7	451.9	0
Cyprus																
Czech Republic	1069.4	241.1	0.1	0	16.5	326.7	584.4			42.2	42.2			442.8	442.8	0
Georgia	466.8	394.2	0	0	0	0	394.2	19.2	1.6	0	20.7	50.6	0	0.4	51.0	0.9
Israel †	765.1	718.3	0	0	0	0	718.3	24.3	21.8	0.5	46.6					0.2
Italy (6 of 20 regions)	1162.0	562.3	0.6	7.7	11.6	162.9	745.1	34.9	37.7	1.2	73.8	25.7	306.0	0.7	332.3	10.9
Latvia	626.6	230.2	0				230.2			57.9	57.9	14.5	324.0	0	338.4	0
Lithuania	729.2	462.5	0	0	0	0	462.5			17.0	17.0			249.7	249.7	0
Macedonia	763.1	632.5	0.5	0	0	0	633.0	0	14.8	0	14.8	109.8	5.4	0	115.2	0
Poland	856.0	532.4	0	0	0	0	532.4			28.8	28.8			294.9	294.9	0
Portugal	1793.7	421.0	0	0	0	667.5	1088.5	33.5	37.0	0	70.5			634.7	634.7	0
Slovakia †	603.8	204.9	0.2	0	2.2	381.3	588.6	7.6	7.6	0	15.1					0
Spain	1177.3	441.4	1.8	0	0	59.5	502.7	21.3	43.4	0	64.7			609.9	609.9	0
Switzerland †	344.4	315.8	4.5	0	0	0	320.3	10.1	11.9	0	22.0					0
Tunisia, Sfax region †	678.3	648.9	0	0	0	0	648.9	10.9	18.5	0	29.5					0
Turkey	917.9	689.6	2.0	0.4	0	0	692.0	17.9	37.5		55.4			143.1	143.1	27.3
Ukraine	157.1	112.5	0	0	0	5.6	118.1	0.6	18.8	0	19.4	11.9	3.3	4.5	19.7	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
Percentages of established therapy, unadjusted
prevalent patients on December 31

	Total	Haemodialysis					Peritoneal dialysis				Transplant			Missing		
		HD hospital/centre	HD home	HD type Unkn	HF	HDF	Total HD/HF/HDF	APD	CAPD	PD type Unkn	Total PD	Living	Deceased		Tx type Unkn	Total Tx
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Albania	100	74.6	0	0	0	0	74.6	0	4.5	0	4.5	14.7	3.8	0.9	19.5	1.4
Bulgaria	100	78.3	0	0	0	1.2	79.5	1.2	2.6	0	3.9	2.6	11.0	0.9	14.5	2.2
Croatia	100	45.6	0	0	0	7.6	53.2	1.8	2.2	0	4.0	1.9	35.5	5.5	42.8	0
Cyprus																
Czech Republic	100	22.6	0	0	1.5	30.5	54.7			3.9	3.9			41.4	41.4	0
Georgia	100	84.4	0	0	0	0	84.4	4.1	0.3	0	4.4	10.8	0	0.1	10.9	0.2
Israel †	100	93.9	0	0	0	0	93.9	3.2	2.8	0.1	6.1					0
Italy (6 of 20 regions)	100	48.4	0	0.7	1.0	14.0	64.1	3.0	3.2	0.1	6.3	2.2	26.3	0.1	28.6	0.9
Latvia	100	36.7	0				36.7			9.2	9.2	2.3	51.7	0	54.0	0
Lithuania	100	63.4	0	0	0	0	63.4			2.3	2.3			34.2	34.2	0
Macedonia	100	82.9	0.1	0	0	0	83.0	0	1.9	0	1.9	14.4	0.7	0	15.1	0
Poland	100	62.2	0	0	0	0	62.2			3.4	3.4			34.4	34.4	0
Portugal	100	23.5	0	0	0	37.2	60.7	1.9	2.1	0	3.9			35.4	35.4	0
Slovakia †	100	33.9	0	0	0.4	63.2	97.5	1.3	1.3	0	2.5					0
Spain	100	37.5	0.2	0	0	5.1	42.7	1.8	3.7	0	5.5			51.8	51.8	0
Switzerland †	100	91.7	1.3	0	0	0	93.0	2.9	3.5	0	6.4					0
Tunisia, Sfax region †	100	95.7	0	0	0	0	95.7	1.6	2.7	0	4.3					0
Turkey	100	75.1	0.2	0	0	0	75.4	1.9	4.1		6.0			15.6	15.6	3.0
Ukraine	100	71.6	0	0	0	3.6	75.1	0.4	12.0	0	12.3	7.6	2.1	2.9	12.5	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
Renal transplants performed by donor type, counts and percentages

	Total		Living						Deceased		Donor type Unkn			
	N	%	Related		Unrelated		Type Unkn		All		N	%	N	%
			N	%	N	%	N	%	N	%				
Albania	25	100	19	76.0	3	12.0	0	0	22	88.0	3	12.0	0	0
Bulgaria	54	100	12	22.2	0	0	0	0	12	22.2	42	77.8	0	0
Croatia	197	100	6	3.0	2	1.0	0	0	8	4.1	189	95.9	0	0
Cyprus	31	100	13	41.9	9	29.0	0	0	22	71.0	9	29.0	0	0
Czech Republic	507	100					63	12.4	63	12.4	444	87.6	0	0
Georgia	29	100	28	96.6	0	0	0	0	28	96.6	0	0	1	3.4
Israel	255	100					135	52.9	135	52.9	82	32.2	38	14.9
Italy (6 of 20 regions)	600	100					82	13.7	82	13.7	518	86.3	0	0
Latvia	49	100	5	10.2	1	2.0	0	0	6	12.2	43	87.8	0	0
Lithuania	70	100	11	15.7	2	2.9	0	0	13	18.6	57	81.4	0	0
Macedonia	43	100	25	58.1	8	18.6	1	2.3	34	79.1	9	20.9	0	0
Poland	1156	100	55	4.8	0	0	0	0	55	4.8	1101	95.2	0	0
Portugal	448	100					54	12.1	54	12.1	394	87.9	0	0
Slovakia +	109	100					8	7.3	8	7.3	101	92.7	0	0
Spain	2678	100					423	15.8	423	15.8	2255	84.2	0	0
Switzerland	295	100	57	19.3	62	21.0	0	0	119	40.3	176	59.7	0	0
Tunisia, Sfax region	26	100	20	76.9	3	11.5	0	0	23	88.5	3	11.5	0	0
Turkey	2924	100	2094	71.6	204	7.0	0	0	2298	78.6	626	21.4	0	0
Ukraine	106	100											106	100

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

Table C.5.2
Renal transplants performed by donor type, per million population

	Total	Living				Deceased	Donor type Unkn
		Related	Unrelated	Type Unkn	All		
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	8.7	6.6	1.0	0	7.7	1.0	0
Bulgaria	7.5	1.7	0	0	1.7	5.8	0
Croatia	48.4	1.5	0.5	0	2.0	46.4	0
Cyprus	36.6	15.3	10.6	0	26.0	10.6	0
Czech Republic	49.6			6.2	6.2	43.4	0
Georgia	6.5	6.2	0	0	6.2	0	0.2
Israel	31.0			16.4	16.4	10.0	4.6
Italy (6 of 20 regions)	28.2			3.9	3.9	24.3	0
Latvia	30.8	3.1	0.6	0	3.8	27.1	0
Lithuania	23.8	3.7	0.7	0	4.4	19.4	0
Macedonia	21.3	12.4	4.0	0.5	16.8	4.5	0
Poland	31.8	1.5	0	0	1.5	30.3	0
Portugal	43.0			5.2	5.2	37.8	0
Slovakia +	20.1			1.5	1.5	18.6	0
Spain	57.3			9.0	9.0	48.2	0
Switzerland	35.8	6.9	7.5	0	14.5	21.4	0
Tunisia, Sfax region	21.9	16.8	2.5	0	19.4	2.5	0
Turkey	37.6	27.0	2.6	0	29.6	8.1	0
Ukraine	2.5						2.5

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

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 24 registries from 15 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, the Netherlands, and United Kingdom (Scotland). In the analyses the data collected between 2009 and 2014 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 Bosnia and Herzegovina, Estonia, France, Romania, Serbia, and Spain (region of Murcia). 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 specialized paediatric centres, also non-residents were included in the incidence and prevalence.

D1 GENERAL POPULATION AGE DISTRIBUTION

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

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
2009	22185	5559	5382	5397	5848
2010	22212	5608	5431	5369	5804
2011	22189	5618	5475	5368	5728
2012	22150	5587	5524	5397	5642
2013	22066	5512	5572	5415	5567
2014	21980	5401	5623	5447	5508
2009 *	41423	10338	10119	10091	10875
2010 *	42254	10621	10447	10316	10871
2011 *	44854	11153	11201	11052	11448
2012 *	45483	11323	11367	11266	11527
2013 *	45430	11196	11485	11337	11412
2014 *	45336	11027	11570	11381	11357
2009-2014 *	264779	65658	66188	65442	67491

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

D2 INCIDENT PATIENTS ACCEPTED FOR RRT, AT DAY 1

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

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
2009-2010	421	111	56	103	151
2011-2012	376	99	49	92	136
2013-2014	359	71	68	81	139
2009-2010 *	761	162	109	179	311
2011-2012 *	708	162	86	163	297
2013-2014 *	692	129	111	167	285
2009-2014 *	2161	453	306	509	893

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

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

Cohort	Total			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
2009-2010	159	148	114	23	68	20	21	17	18	33	27	43	82	36	33
2011-2012	152	121	103	23	66	10	9	11	29	34	22	36	86	22	28
2013-2014	152	102	105	13	45	13	25	16	27	36	15	30	78	26	35
2009-2010 *	364	202	179	39	94	26	52	21	31	77	34	65	196	53	57
2011-2012 *	356	181	162	51	94	16	29	18	37	77	31	53	199	38	56
2013-2014 *	354	171	162	29	78	20	49	29	33	88	27	49	188	37	60
2009-2014 *†	1074	554	503	119	266	62	130	68	101	242	92	167	583	128	173

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

† For 30 patients information on treatment modality at start was unavailable

Table D.2.3
Incident counts by age and cause of renal failure
between 2009 and 2014, at day 1

	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	670	165	103	177	225
Glomerulonephritis	404	51	53	77	223
Cystic kidney disease	193	34	47	57	55
Hereditary Nephropathy	167	66	18	29	54
Ischaemic Renal Failure	31	12	3	8	8
HUS	59	15	7	13	24
Metabolic disorders	48	13	14	12	9
Vasculitis	44	1		11	32
Miscellaneous	230	52	26	50	102
Missing, unknown	315	44	35	75	161

Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

D2 INCIDENT PATIENTS ACCEPTED FOR RRT, AT DAY 1

Table D.2.4

**Incident rates per million age-related population by age and cohort
at day 1**

Cohort	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
2009-2010	9.5	9.9	5.2	9.6	13.0
2011-2012	8.5	8.8	4.5	8.5	12.0
2013-2014	8.2	6.5	6.1	7.5	12.6
2009-2010 *	9.1	7.7	5.3	8.8	14.3
2011-2012 *	7.8	7.2	3.8	7.3	12.9
2013-2014 *	7.6	5.8	4.8	7.4	12.5
2009-2014 *	8.2	6.9	4.6	7.8	13.2

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

Table D.2.5

**Incident rates per million age-related population by age, treatment modality, and cohort
at day 1**

Cohort	Total			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
2009-2010	3.6	3.3	2.6	2.1	6.1	1.8	1.9	1.6	1.7	3.1	2.5	4.0	7.0	3.1	2.8
2011-2012	3.4	2.7	2.3	2.1	5.9	0.9	0.8	1.0	2.6	3.2	2.0	3.3	7.6	1.9	2.5
2013-2014	3.5	2.3	2.4	1.2	4.1	1.2	2.2	1.4	2.4	3.3	1.4	2.8	7.0	2.3	3.2
2009-2010 *	4.4	2.4	2.1	1.9	4.5	1.2	2.5	1.0	1.5	3.8	1.7	3.2	9.0	2.4	2.6
2011-2012 *	3.9	2.0	1.8	2.3	4.2	0.7	1.3	0.8	1.6	3.5	1.4	2.4	8.7	1.7	2.4
2013-2014 *	3.9	1.9	1.8	1.3	3.5	0.9	2.1	1.3	1.4	3.9	1.2	2.2	8.3	1.6	2.6
2009-2014 *†	4.1	2.1	1.9	1.8	4.1	0.9	2.0	1.0	1.5	3.7	1.4	2.6	8.6	1.9	2.6

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

† For 30 patients information on treatment modality at start was unavailable

Table D.2.6

**Incident rates per million age-related population by age and cause of renal failure
between 2009 and 2014, at day 1**

	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	2.5	2.5	1.6	2.7	3.3
Glomerulonephritis	1.5	0.8	0.8	1.2	3.3
Cystic kidney disease	0.7	0.5	0.7	0.9	0.8
Hereditary Nephropathy	0.6	1.0	0.3	0.4	0.8
Ischaemic Renal Failure	0.1	0.2	0.0	0.1	0.1
HUS	0.2	0.2	0.1	0.2	0.4
Metabolic disorders	0.2	0.2	0.2	0.2	0.1
Vasculitis	0.2	0.0		0.2	0.5
Miscellaneous	0.9	0.8	0.4	0.8	1.5
Missing, unknown	1.2	0.7	0.5	1.1	2.4

Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

D3 PREVALENT PATIENTS ON RRT

Table D.3.1

Prevalent counts by age and cohort
prevalent patients on December 31

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
2009	1491	142	252	378	719
2010	1467	144	240	372	711
2011	1465	157	232	400	676
2012	1449	141	252	407	649
2013	1433	120	262	399	652
2014	1430	122	277	389	642
2009 *	2462	207	404	626	1225
2010 *	2471	209	398	622	1242
2011 *	2533	237	395	666	1235
2012 *	2522	218	414	679	1211
2013 *	2538	201	425	699	1213
2014 *	2510	194	446	693	1177

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

Table D.3.2

Prevalent counts by age, treatment modality, and cohort
prevalent patients on December 31

Cohort	Total			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
2009	161	127	1190	20	51	71	20	24	207	27	22	326	94	30	586
2010	157	127	1173	20	55	69	17	18	204	31	18	321	89	36	579
2011	161	132	1163	24	62	71	14	22	195	32	19	347	91	29	550
2012	147	123	1172	21	58	62	13	15	223	31	19	356	82	31	531
2013	155	102	1167	15	35	69	19	18	225	31	17	349	90	32	524
2014	130	100	1194	12	37	72	17	20	240	25	13	349	76	30	533
2009 *	354	192	1859	32	69	97	43	32	324	71	37	505	208	54	933
2010 *	359	193	1876	32	77	93	36	29	327	73	33	506	218	54	950
2011 *	394	209	1885	46	80	107	37	35	313	77	37	544	234	57	921
2012 *	383	205	1901	44	78	93	42	31	335	73	40	561	224	56	912
2013 *	408	191	1915	41	63	93	43	35	344	81	37	575	243	56	903
2014 *	389	180	1935	37	63	93	46	39	361	83	28	580	223	50	901

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

Table D.3.3

Prevalent counts by age and cause of renal failure
prevalent patients on December 31, 2014

	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	885	69	176	227	413
Glomerulonephritis	394	20	50	102	222
Cystic kidney disease	251	16	46	79	110
Hereditary Nephropathy	240	35	55	73	77
Ischaemic Renal Failure	53	4	14	16	19
HUS	96	3	17	33	43
Metabolic disorders	71	8	16	25	22
Vasculitis	29	0	1	5	23
Miscellaneous	232	17	37	68	110
Missing, unknown	259	22	34	65	138

Including data from Romania (coverage 99.3% in 2014)

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	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
2009	67.2	25.5	46.8	70.0	122.9
2010	66.0	25.7	44.2	69.3	122.5
2011	66.0	27.9	42.4	74.5	118.0
2012	65.4	25.2	45.6	75.4	115.0
2013	64.9	21.8	47.0	73.7	117.1
2014	65.1	22.6	49.3	71.4	116.6
2009 *	59.4	20.0	39.9	62.0	112.6
2010 *	58.5	19.7	38.1	60.3	114.3
2011 *	56.5	21.3	35.3	60.3	107.9
2012 *	55.4	19.3	36.4	60.3	105.1
2013 *	55.9	18.0	37.0	61.7	106.3
2014 *	55.4	17.6	38.5	60.9	103.6

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

Table D.3.5

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

Cohort	Total			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
2009	7.3	5.7	53.6	3.6	9.2	12.8	3.7	4.5	38.5	5.0	4.1	60.4	16.1	5.1	100.2
2010	7.1	5.7	52.8	3.6	9.8	12.3	3.1	3.3	37.6	5.8	3.4	59.8	15.3	6.2	99.8
2011	7.3	5.9	52.4	4.3	11.0	12.6	2.6	4.0	35.6	6.0	3.5	64.6	15.9	5.1	96.0
2012	6.6	5.6	52.9	3.8	10.4	11.1	2.4	2.7	40.4	5.7	3.5	66.0	14.5	5.5	94.1
2013	7.0	4.6	52.9	2.7	6.3	12.5	3.4	3.2	40.4	5.7	3.1	64.4	16.2	5.7	94.1
2014	5.9	4.5	54.3	2.2	6.9	13.3	3.0	3.6	42.7	4.6	2.4	64.1	13.8	5.4	96.8
2009 *	8.5	4.6	44.9	3.1	6.7	9.4	4.2	3.2	32.0	7.0	3.7	50.0	19.1	5.0	85.8
2010 *	8.5	4.6	44.4	3.0	7.2	8.8	3.4	2.8	31.3	7.1	3.2	49.1	20.1	5.0	87.4
2011 *	8.8	4.7	42.0	4.1	7.2	9.6	3.3	3.1	27.9	7.0	3.3	49.2	20.4	5.0	80.5
2012 *	8.4	4.5	41.8	3.9	6.9	8.2	3.7	2.7	29.5	6.5	3.6	49.8	19.4	4.9	79.1
2013 *	9.0	4.2	42.2	3.7	5.6	8.3	3.7	3.0	30.0	7.1	3.3	50.7	21.3	4.9	79.1
2014 *	8.6	4.0	42.7	3.4	5.7	8.4	4.0	3.4	31.2	7.3	2.5	51.0	19.6	4.4	79.3

* Including data from France (coverage from 91.5% in 2009 to 100% in 2012), Bosnia Herzegovina and Serbia since 2011, Spain (region of Murcia) since 2012, Estonia since 2013 and Romania (coverage from 100% in 2009 to 99.3% in 2014)

Table D.3.6

Prevalence per million age-related population by age and cause of renal failure
prevalent patients on December 31, 2014

	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	19.5	6.3	15.2	19.9	36.4
Glomerulonephritis	8.7	1.8	4.3	9.0	19.5
Cystic kidney disease	5.5	1.5	4.0	6.9	9.7
Hereditary Nephropathy	5.3	3.2	4.8	6.4	6.8
Ischaemic Renal Failure	1.2	0.4	1.2	1.4	1.7
HUS	2.1	0.3	1.5	2.9	3.8
Metabolic disorders	1.6	0.7	1.4	2.2	1.9
Vasculitis	0.6		0.1	0.4	2.0
Miscellaneous	5.1	1.5	3.2	6.0	9.7
Missing, unknown	5.7	2.0	2.9	5.7	12.2

Including data from Romania (coverage 99.3% in 2014)

Methods

VI Methods

The ERA-EDTA Registry is located at the Department of Medical Informatics in the 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 and according to the ISO 9001:2008 norm since September 2010.

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 send data by e-mail and most data sets are received in PGP encrypted format.

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
Gender	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 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), Montenegro, Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Navarre), and United Kingdom (England/Northern Ireland/Wales) is comprised of patients 20 years of age and older. 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 2015. For the following registries data were only available until 31st December 2014: Estonia, France, Montenegro, Spain (Aragon), Spain (Asturias), Spain (Castile and Leon), Spain (Catalonia), Spain (Extremadura), Spain (Navarre) and UK (England, Wales and Northern Ireland). For these registries the incidence on day 91 was estimated as explained in the paragraph on statistical analyses.

For Romania, the reported kidney transplantation activity reflects 70% of the total kidney transplantation activity in the country due to an underreporting of pre-emptive transplantations. As a consequence, the overall incidence and prevalence of RRT are underestimated by approximately 1% and 3%, respectively.

Data loading and cleaning

The registry data were imported using an in-house developed import utility. This program first uniformed the data and then translates any non-standard codes. Consistency checks were performed, and thereafter the data were converted to the desired format in order to make storage 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 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 registries 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, 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 gender distribution of the EU27 of 2010 as provided by Eurostat was used for the adjustment of incidence rates and prevalence for age and gender [1]. The age and gender 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 2014
Austria	Registry
Belgium, Dutch-speaking	http://ec.europa.eu/eurostat/
Belgium, French-speaking	http://ec.europa.eu/eurostat/
Bosnia and Herzegovina	http://www.fzs.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/
Slovenia	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, Valencian region	http://www.ine.es/
Sweden	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 gender 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 19 national and regional registries were used for the preparation of the tables in Section C. The following countries participated in Section C of this year's annual report: Albania, Bulgaria, Croatia, Cyprus, Czech Republic, Georgia, Israel, Italy, Latvia, Lithuania, Macedonia, Poland, Portugal, Slovakia, Spain, Switzerland, Tunisia (Sfax region), Turkey, and Ukraine.

Data from Italy are based on 6 of the 20 regions: Calabria, Emilia-Romagna, Liguria, Puglia, Sicilia, 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 gender 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 cause of renal failure

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 2012 PRD codes were provided, those were categorized into the old groups, which resulted in a somewhat different distribution of 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 9.3 and SAS 9.4 (for competing risks analyses) [2] were 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.

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 2014, including Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Montenegro, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (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, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland).

Methods for calculating incidence and prevalence

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

For those registries that had no data available with a follow-up until March 31st, 2015, 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 2014, when compared to patients who started RRT in the last three months of 2014.

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

Adjustment of incidence and prevalence

Differences in the unadjusted incidence and prevalence across countries might be due to the differences in the age and gender distribution of the general population. The EU27 age and gender distribution of the European population was therefore used to adjust incidence and prevalence for age and gender [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 gender distribution of the reference population. The following example shows how to calculate the age adjusted incidence. 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 renal transplants

For all participating countries and regions the number of renal transplants performed during the year are 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, gender and cause of renal failure. In the figures, the patient survival is presented by treatment modality and by cause of renal failure. Survival probabilities are presented as percentages from 0 to 100.

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:

- 2004-2008 - for the presentation of 90-day, one-, two- and five-year survival probabilities.
- 2007-2011 - for the presentation of 90-day, one- and two-year survival probabilities.

These 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 (Valencian region), Sweden, the Netherlands, United Kingdom (England/Wales/Northern Ireland) and United Kingdom (Scotland). 31st December, 2014 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		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.

In this annual report we present cumulative survival probabilities (also indicated as "survival probabilities"). The cumulative survival probability is calculated as 100% minus the cumulative probability of death. The cumulative probabilities of death for patients on dialysis (Tables B.6.9-B.6.16) were calculated in two different ways (see Table 5). First, it was calculated as an estimate of the so-called "marginal probability" or "net risk" using the Kaplan-Meier method. Within these analyses transplantation was treated as a censored observation. Second, it was calculated as an estimate of the so called "cause-specific probability" or "crude risk". Within these analyses transplantation was treated as a competing event, because once a patient on dialysis receives a kidney transplant that patient is no longer at risk of dying on dialysis. In this situation transplantation is an event which competes with death.

When treating transplantation as a censored observation, we examine the patients's cumulative probability of death that would be observed if the patient remained on dialysis, i.e. the patient would not stop dialysis due to a kidney transplant (the net risk). The main assumption in these analyses is that at any time the patients who are censored have the same survival prospects as those who are still being followed in the study. In other words, it assumes that censored individuals can be represented by those who remain at risk. However, patients who are censored due to kidney transplantation may have a lower death risk than those remaining on dialysis, for example because they are younger. In that case, when censoring for kidney transplantation, this assumption of non-informative censoring is violated.

On the other hand, when treating transplantation as a competing event, we quantify the cumulative probability of dying without having had a kidney transplant (the crude risk). The resulting probability not only reflects the occurrence of death, but also takes into account the frequency of transplantation. If the probability of receiving a kidney transplant increases, the crude risk of death decreases. In other words, when treating transplantation as a competing event, the number of transplants performed in the period of interest (i.e. 90 days, 1-, 2- and 5 year) influences the probability of patients dying while on dialysis [3,4].

Unadjusted survival probabilities

Unadjusted survival probabilities were calculated using the Kaplan-Meier method. Unadjusted survival probabilities for patients on dialysis were also calculated using cumulative incidence competing risk (CICR) method with transplantation as a competing event [3]. In unadjusted survival analysis the cells in the tables were left blank when there were less than 30 patients in that cell.

Adjusted survival probabilities

The Cox regression model was used to calculate survival probabilities while accounting for confounders [5]. Adjusted survival probabilities of patients on dialysis were also calculated using the Fine and Gray method with transplantation as a competing event [3]. Survival probabilities were adjusted for age, gender and primary renal disease. As the ERA-EDTA Registry database is still growing with respect to the coverage of European countries, it was decided to adjust for fixed values for a number of variables in the survival analyses to make results more comparable across time periods. The fixed values of variables used for the survival tables are shown in Table 6.

In the adjusted survival analyses, cells with less than 30 events were left empty. Patients for whom age, gender, or primary renal disease was missing were excluded.

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

Survival type	Age	Gender	Renal disease
Patients on renal replacement therapy	60 years	60% men	20% Diabetes 17% Hypertension / renal vascular disease 15% Glomerulonephritis 48% Other cause
Patients on dialysis	60 years	60% men	20% Diabetes 17% Hypertension / renal vascular disease 15% Glomerulonephritis 48% Other cause
First transplant recipients (deceased donor)	45 years	60% men	10% Diabetes 8% Hypertension / renal vascular disease 28% Glomerulonephritis 54% Other cause
First transplant recipients (living donor)	45 years	60% men	10% Diabetes 8% Hypertension / renal vascular disease 28% Glomerulonephritis 54% Other cause
First graft (deceased donor)	45 years	60% men	10% Diabetes 8% Hypertension / renal vascular disease 28% Glomerulonephritis 54% Other cause
First graft (living donor)	45 years	60% men	10% Diabetes 8% Hypertension / renal vascular disease 28% Glomerulonephritis 54% Other cause

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. When survival probabilities were calculated by the cumulative incidence competing risk (CICR) method or Fine and Gray method, the corresponding confidence intervals were calculated using bootstrapping. Bootstrapping is a nonparametric method which involves resampling (with replacement) a given data set a specified number of times. Within our analyses we used 500 resamples, and each resample had the same size as the original dataset. The 500 calculated survival probabilities from each resample provided us with a bootstrap distribution of survival probabilities. Then the 95% confidence interval of the bootstrap distribution of survival probabilities was calculated as the interval between the 2.5% and 97.5% percentiles.

Survival figures

In the Figures B.6.1 to B.6.6 survival was adjusted to age 60 years and gender 60% men. In addition, Figure B.6.1 and Figure B.6.4 were adjusted to a primary renal disease distribution of: 20% Diabetes; 17% Hypertension / renal vascular disease; 15% Glomerulonephritis and 48% Other causes.

The differences between the survival probabilities of 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.

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 data on 2013 and 2014. Consequently, the data of the following national or regional registries from 14 countries were suitable for this analysis: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Estonia, Finland, France, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castille and León), Spain (Castille-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Community of Madrid), Spain (Region of Murcia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England/Northern Ireland/Wales) and United Kingdom (Scotland). With regard to the inclusion of the data, it should be noted that the differences between the expected remaining lifetimes of this annual report and expected remaining lifetimes published in earlier annual reports of the ERA-EDTA Registry may be partly due to differences in participating countries.

RRT population

The expected remaining lifetimes for RRT patients are presented by age, gender 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 can not 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 gender and age of the general population of the contributing countries were provided by Eurostat [1] for 2013 and 2014. 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 prevalent 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 adjusted incidence and prevalent counts 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 24 national or regional registries from 15 countries that provided complete individual patient data in their paediatric population for 2009 to 2014, 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, the Netherlands, and United Kingdom (Scotland). France (coverage from 91.5% in 2009 to 100% in 2012), Romania (coverage from 100% in 2009 to 99.3% in 2014). Bosnia Herzegovina and Serbia provided data since 2011, Spain (Region of Murcia) since 2012, and Estonia since 2013. 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 adjust for this, non-resident paediatric patients were not excluded in the paediatric tables.

Incidence (on day 1) and prevalence of RRT were calculated for subgroups based on age, treatment modality, and cause of renal failure. Incidence of RRT by 2-year cohorts is presented for paediatric patients who started RRT between 2009 and 2014. The cohorts 2009-2010, 2011-2012 and 2013-2014 are presented twice, once including and once excluding the countries with a limited follow-up allowing for a comparison over time. The incidence of 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 sum of the total population in 2013 and the total population in 2014) multiplied by one million. The prevalence of RRT is presented at 31st December of each year from 2009 to 2014.

The prevalence of RRT is presented twice, once including and once excluding the above mentioned countries and periods, allowing for a comparison over time. The prevalence of RRT by cause of renal failure was calculated for patients prevalent on 31st December, 2014. 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

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- 4) Wolbers M, Koller MT, Stel VS, Schaer B, Jager KJ, Leffondré K, Heinze G. Competing risks analyses: objectives and approaches.
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- 6) Bie O, Borgan O and Liestol K. Confidence intervals and confidence bands for the cumulative hazard rate function and their small sample properties. *Scandinavian Journal of Statistics* 1987; 14: 221-233.
- 7) U.S. Renal Data System, *USRDS 2012 Annual Data Report: Atlas of End-Stage Renal Disease in the United States*, National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD, 2012.

Appendices

Appendix 1 - Grouping of primary renal diseases

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

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

Appendix 2 - Grouping of primary renal disease codes 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 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	+	+	+	-	+
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	-	-	-	+	-
Montenegro	+	-	-	-	-
Norway	+	+	+	-	+
Poland	-	-	-	+	-
Portugal	-	-	-	+	-
Romania	+	-	-	-	+
Serbia	+	-	-	-	+
Slovakia	-	-	-	+	-
Spain, Andalusia	+	+	+	+	+
Spain, Aragon	+	+	+	+	+
Spain, Asturias	+	+	+	+	+
Spain, Balearic Islands	-	-	-	+	-
Spain, Basque country	+	+	+	+	+
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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