



# ERA-EDTA Registry

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Report  
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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
COD	Cause of death
DM	Diabetes mellitus
ERA-EDTA	European Renal Association - European Dialysis and Transplant Association
ESPN	European Society for Paediatric Nephrology
ESRD	End-stage renal disease
EU27	The 27 Member States of the European Union as of 2007 (Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, The Netherlands, United Kingdom)
GN	Glomerulonephritis / sclerosis
HD	Haemodialysis
HDF	Haemodiafiltration
HF	Haemofiltration
HT	Hypertension
HUS	Haemolytic uraemic syndrome
ISO	International Standards Organization
Misc	Miscellaneous
N	Count
ODBC	Open database connectivity
Oth	Other
PD	Peritoneal dialysis
PGP	Pretty good privacy
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
SOPs	Standard Operating Procedures
Tx	Transplant
Unkn	Unknown
USRDS	United States Renal Data System

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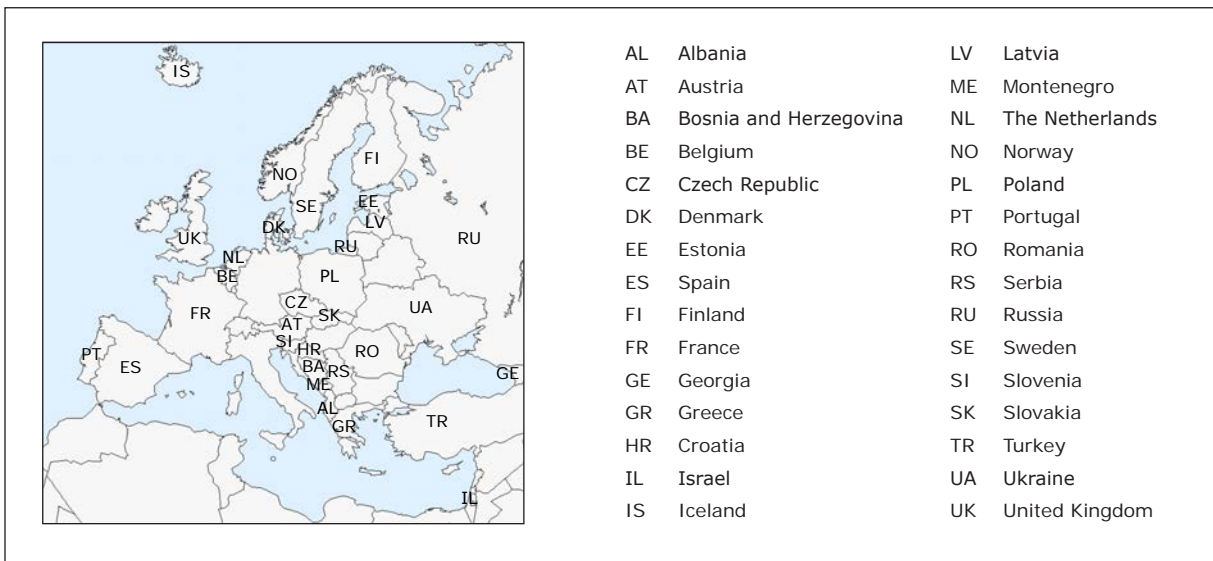
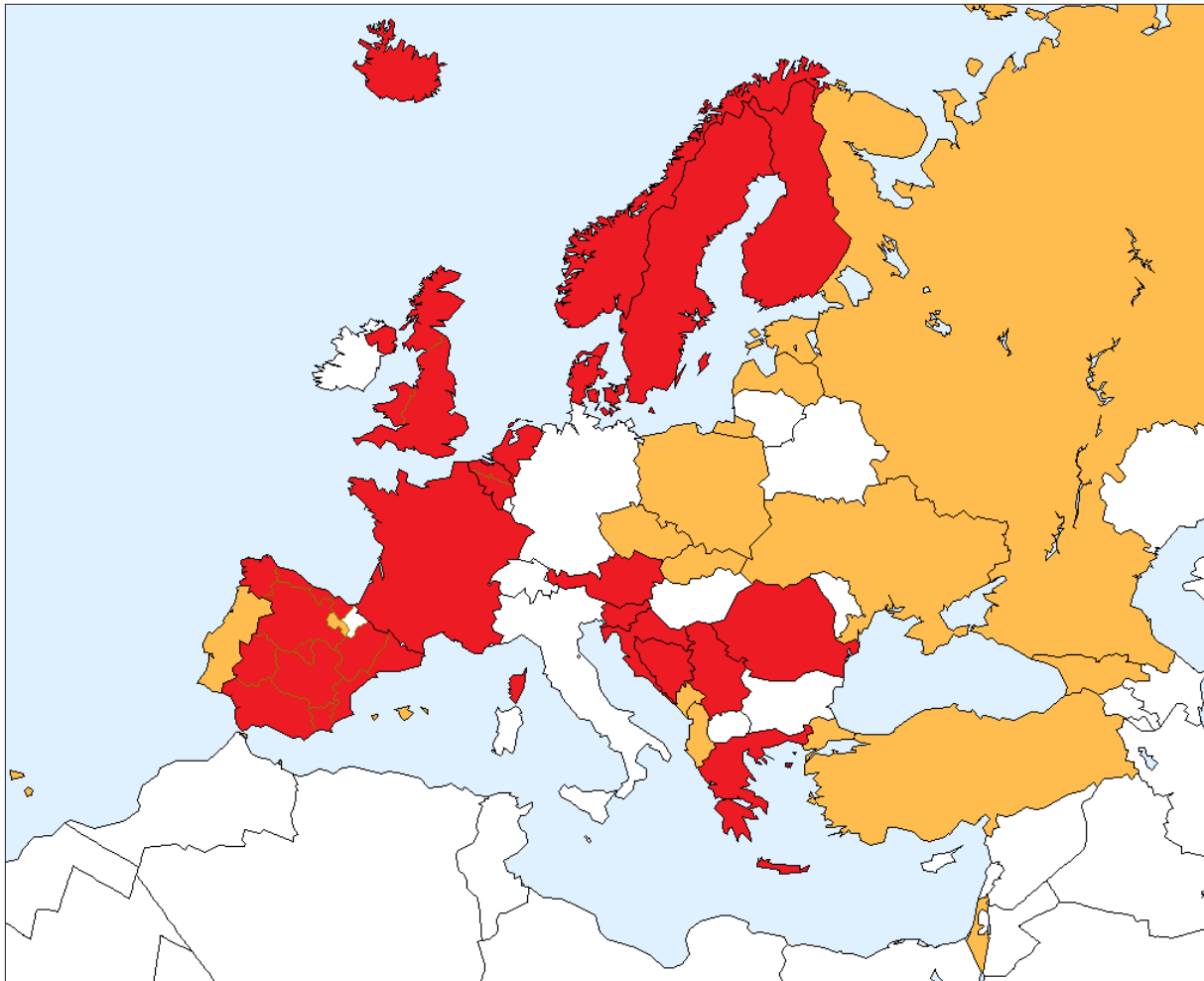
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# I Introduction

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



# **I Introduction**

The ERA-EDTA Registry collects data on renal replacement therapy (RRT) via the national and regional renal registries in Europe. For this Annual Report 2012 it used 45 data sets from national or regional renal registries in 30 countries. The reference tables are presented in two parts: Section A (chapter II) and Section B (chapter III). Section A relates to individual patient data from 31 national and regional registries from 17 countries (shown in red in Figure 1), whereas section B relates to 14 national registries from 14 countries providing aggregated data based on individual patient data, centre questionnaire data or information from health authorities (shown in orange in Figure 1).

## **Chapter overview**

Chapter II (Section A) contains data on the incidence and prevalence of RRT and data on survival and expected remaining lifetimes from those registries providing individual patient data. Chapter III (Section B) contains data on the incidence and prevalence from the countries providing aggregated data. Chapter IV describes summary data from all participating registries. The incidence and prevalence of RRT in paediatric patients are described in chapter V, based on data from registries providing individual paediatric data. Chapter VI describes the methods used, including data collection and preparation, definitions, and coding systems. In addition, it describes the statistical methods to calculate incidence and prevalence, patient and graft survival, and expected remaining lifetimes.

## **New to this edition**

This year, for the first time Croatia, Slovenia and the Spanish regions Community of Madrid and Murcia provided individual patient data for the A-section of this annual report. In addition, all French regions provided individual patient data and therefore this year France is fully covered and is no longer presented in the B-section but only in the A-section. Finally, for the first time Georgia provided data for the B-section of the report.

## **ERA-EDTA Registry website**

PDF files of the ERA-EDTA annual reports and other information on the Registry can be downloaded from the website of the ERA-EDTA Registry: [www.era-edta-reg.org](http://www.era-edta-reg.org). This website also includes a repository of educational publications and the 2012 version of the ERA-EDTA Coding System for PRD.

## **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 is provided at the ESPN/ERA-EDTA Registry website: [www.espn-reg.org](http://www.espn-reg.org). In addition, PDF files of the ESPN/ERA-EDTA Registry annual reports can be downloaded from this website.





**II Reference Tables - Section A**

Table A.1.1  
**General population of the country/region and percent coverage of general population**

	General population of whole country/region in thousands	% Coverage of general population by the registry for individual patient data
Austria	8443	100
Belgium, Dutch-speaking	6366	100
Belgium, French-speaking	4701	100
Bosnia and Herzegovina	3508	100
Croatia	4269	100
Denmark	5648	100
Finland	5414	100
France	65443	100
Greece	11093	100
Iceland	321	100
Norway	5019	100
Romania	20058	96.0
Serbia	7199	100
Slovenia	2057	100
Spain, Andalusia	8385	100
Spain, Aragon	1341	100
Spain, Asturias	1074	100
Spain, Basque country	2181	100
Spain, Cantabria	591	100
Spain, Castile and León	2528	100
Spain, Castile-La Mancha	2100	100
Spain, Catalonia	7571	100
Spain, Extremadura	1108	100
Spain, Galicia	2767	100
Spain, Community of Madrid	6420	100
Spain, Region of Murcia	1474	100
Spain, Valencian region	5129	100
Sweden	9519	100
The Netherlands	16755	100
United Kingdom, All countries	63705	100
United Kingdom, England	53494	100
United Kingdom, Northern Ireland	1824	100
United Kingdom, Scotland	5314	100
United Kingdom, Wales	3074	100

Table A.1.2

**Renal centres: total number of centres and number of collaborating centres**

	Total number of renal centres of whole country/region	Number of renal centres collaborating with the registry for individual patient data
Austria	79	79
Belgium, Dutch-speaking	25	25
Belgium, French-speaking	23	23
Bosnia and Herzegovina	27	27
Croatia	56	56
Denmark	15	15
Finland	31	31
France	1205	1205
Greece	169	169
Iceland	1	1
Norway	24	24
Romania	137	131
Serbia	59	59
Slovenia	24	24
Spain, Andalusia	60	60
Spain, Aragon	10	10
Spain, Asturias	10	10
Spain, Basque country	11	11
Spain, Cantabria	2	2
Spain, Castile and León	23	23
Spain, Castile-La Mancha	12	12
Spain, Catalonia	46	46
Spain, Extremadura	12	12
Spain, Galicia	25	25
Spain, Community of Madrid	37	37
Spain, Region of Murcia	13	13
Spain, Valencian region	49	49
Sweden	66	66
The Netherlands	78	78
United Kingdom, All countries	72	72
United Kingdom, England	52	52
United Kingdom, Northern Ireland	5	5
United Kingdom, Scotland	10	10
United Kingdom, Wales	5	5



Table A.2.2  
**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	64.8	15.3	67.9	68.3	64.3	15.3	67.5	31.7	65.7	15.3	69.0
Belgium, Dutch-speaking *	100	69.6	14.5	73.4	62.7	69.0	14.2	71.7	37.3	70.5	14.9	74.9
Belgium, French-speaking *	100	67.2	14.9	70.0	66.0	67.1	14.5	69.9	34.0	67.6	15.6	70.4
Bosnia and Herzegovina	100	61.1	14.7	63.1	56.1	60.1	14.2	61.4	43.9	62.4	15.3	66.0
Croatia	100	64.7	14.8	66.9	59.3	63.5	14.8	64.9	40.7	66.5	14.5	70.1
Denmark	100	64.1	16.7	67.4	65.4	63.9	16.5	66.7	34.6	64.4	17.2	68.7
Finland	100	61.6	16.3	64.4	69.9	61.5	16.2	64.6	30.1	61.6	16.6	64.0
France	100	67.1	16.3	70.1	63.6	67.3	15.8	70.1	36.4	66.7	17.2	70.1
Greece	100	69.0	14.9	73.1	64.6	68.5	14.8	72.3	35.4	69.8	15.0	74.1
Iceland	100	67.7	11.9	69.2	42.1	63.0	11.2	59.9	57.9	71.1	11.7	72.2
Norway	100	63.1	15.9	65.1	63.8	64.3	15.4	66.5	36.2	60.9	16.7	62.7
Romania	100	60.0	14.8	61.9	57.8	59.5	15.1	61.3	42.2	60.8	14.4	62.5
Serbia	100	60.7	14.4	63.1	60.3	60.4	14.5	62.1	39.4	61.1	14.2	63.8
Slovenia	100	67.0	14.2	69.7	62.9	65.3	14.7	68.7	37.1	69.8	12.9	69.9
Spain, Andalusia	100	63.2	15.9	66.1	62.9	62.5	15.9	65.5	37.1	64.4	15.8	67.4
Spain, Aragon	100	66.0	15.3	70.9	71.8	66.5	14.6	70.5	28.2	64.7	17.1	71.2
Spain, Asturias	100	66.7	14.0	67.4	69.6	65.6	14.9	66.9	30.4	69.3	11.5	71.7
Spain, Basque country	100	62.6	15.9	66.1	68.6	63.2	16.4	66.7	31.4	61.2	15.0	63.2
Spain, Cantabria *	100	62.4	13.6	64.4	74.6	62.7	12.8	64.3	25.4	61.6	16.0	64.9
Spain, Castile and León *	100	67.3	15.1	71.0	68.0	67.1	14.6	70.3	32.0	67.6	16.3	73.4
Spain, Castile-La Mancha *	100	65.1	13.2	67.1	64.4	64.6	13.5	66.4	35.6	66.1	12.7	67.8
Spain, Catalonia	100	64.1	16.3	67.0	66.2	64.0	16.1	66.4	33.8	64.2	16.8	67.5
Spain, Extremadura	100	63.1	15.1	66.8	64.7	63.7	13.7	67.7	35.3	62.1	17.4	65.3
Spain, Galicia	100	65.1	14.6	67.7	65.7	65.8	14.0	68.0	34.3	63.7	15.7	66.3
Spain, Community of Madrid	100	63.2	15.8	66.1	66.2	64.2	14.8	66.1	33.8	61.3	17.5	65.7
Spain, Region of Murcia	100	60.8	16.7	64.1	65.6	61.1	16.6	64.9	34.4	60.0	16.8	63.5
Spain, Valencian region	100	64.5	15.6	67.4	63.6	64.2	15.3	66.9	36.4	65.0	16.1	68.3
Sweden	100	63.4	17.6	67.1	65.2	63.4	17.7	67.2	34.8	63.3	17.4	66.9
The Netherlands	100	64.1	15.8	66.7	61.0	64.4	15.8	67.8	39.0	63.5	15.9	65.5
United Kingdom, All countries *	100	62.2	15.6	64.7	62.0	62.8	15.5	65.3	38.0	61.2	15.7	63.6
United Kingdom, England *	100	62.1	15.7	64.6	62.3	62.9	15.6	65.3	37.7	60.9	15.8	63.2
United Kingdom, Northern Ireland *	100	63.8	16.5	68.1	60.4	63.4	16.2	64.4	39.6	64.3	17.2	69.1
United Kingdom, Scotland	100	60.8	15.5	63.5	59.0	60.9	15.8	63.9	41.0	60.7	15.1	62.6
United Kingdom, Wales *	100	64.0	15.2	67.8	62.8	63.7	16.1	68.6	37.2	64.6	13.7	66.4

Categories may not add up because of missing values or rounding off; Percentages are row percentages

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

Table A.2.3  
**Incident rates per million (age-related) population, unadjusted**  
*at day 1, by age and gender*

	All			0-19			20-44			45-64			65-74			75+		
	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Austria	140.0	196.0	86.7	11.1	15.9	6.0	36.8	53.3	20.2	157.3	214.5	101.2	462.7	710.2	248.3	453.1	790.6	259.4
Belgium, Dutch-speaking *	188.2	238.9	138.7				43.1	53.9	32.0	165.7	219.7	110.7	482.2	672.4	306.2	893.6	1302.6	623.9
Belgium, French-speaking *	188.2	255.3	124.7				51.1	63.4	38.7	210.6	290.7	132.6	619.4	951.5	339.1	830.5	1439.0	490.2
Bosnia and Herzegovina	125.4	143.7	107.9	4.6	6.8	2.3	48.7	53.8	43.6	198.7	254.6	145.1	354.2	400.2	317.7	535.0	646.2	456.4
Croatia	158.1	194.2	124.5	9.0	11.0	6.9	45.0	57.7	31.9	193.8	261.5	129.0	454.3	592.9	348.9	509.2	757.7	378.1
Denmark	124.3	163.8	85.4	8.8	8.6	9.1	42.4	56.5	28.2	146.9	203.0	90.3	331.5	411.8	255.7	491.5	810.6	277.7
Finland	80.9	115.1	47.9	5.8	9.7	1.7	34.5	44.1	24.4	107.9	152.0	64.2	199.8	321.6	92.3	220.8	391.1	123.0
France	153.8	201.9	108.6	6.7	6.7	6.7	45.8	56.2	35.6	166.0	215.9	118.6	417.4	594.6	261.9	656.2	1103.6	388.4
Greece	209.7	276.7	145.4	8.3	14.4	1.9	43.9	53.6	33.8	190.5	258.4	126.8	552.0	817.7	319.8	889.8	1298.9	593.5
Iceland	59.2	49.7	68.8	0	0	0	0	0	0	113.8	151.4	76.0	136.9	0	271.2	366.7	243.7	459.5
Norway	102.8	130.7	74.8	4.0	4.7	3.3	36.1	39.8	32.3	150.1	178.6	120.4	278.5	374.2	187.3	394.9	700.9	196.6
Romania	150.6	179.0	123.6	6.2	7.8	4.6	65.3	79.1	51.0	246.9	298.8	198.4	437.9	562.5	344.4	298.9	446.6	210.1
Serbia	122.8	152.0	94.2	5.6	9.5	1.4	51.5	63.6	39.1	172.5	217.9	128.1	360.0	467.4	274.0	243.2	364.7	161.9
Slovenia	122.0	155.2	89.5	5.1	4.9	5.2	23.7	37.4	8.7	137.8	176.1	98.6	358.0	524.0	219.1	511.6	827.4	349.9
Spain, Andalusia	118.3	150.2	87.0	7.1	10.6	3.4	40.7	53.1	27.9	154.3	201.0	108.2	385.5	535.5	253.2	427.0	612.9	307.1
Spain, Aragon	132.0	190.2	74.3	8.1	15.7	0	40.5	32.8	48.8	130.1	217.8	40.1	398.7	571.4	242.4	412.2	748.7	186.0
Spain, Asturias	125.7	182.3	73.4	6.5	12.6	0	22.3	38.6	5.7	151.0	219.7	85.8	303.0	433.8	192.3	333.1	600.7	173.5
Spain, Basque country	119.7	168.4	73.4	5.1	10.0	0	49.0	61.4	36.1	138.8	177.4	101.6	297.2	452.0	161.8	326.1	643.7	132.9
Spain, Cantabria *	106.6	162.4	53.0				33.8	56.9	9.8	161.6	241.3	83.2	296.0	463.7	148.4	223.1	421.1	102.6
Spain, Castile and León *	118.7	162.8	75.3				30.2	35.2	24.9	128.0	180.6	72.8	276.8	414.7	149.0	344.8	550.1	207.0
Spain, Castile-La Mancha *	99.0	126.5	71.1				23.1	29.6	16.1	146.0	193.0	96.2	336.2	421.0	260.0	289.4	443.2	179.1
Spain, Catalonia	116.4	155.8	77.8	9.8	10.2	9.5	32.6	41.6	23.1	149.8	213.9	87.0	366.2	483.7	263.0	389.2	671.1	214.3
Spain, Extremadura	120.0	156.3	84.3	0	0	0	48.9	45.2	52.8	153.3	210.7	92.9	391.3	562.6	239.4	278.1	446.8	167.5
Spain, Galicia	133.7	181.6	88.9	6.9	4.4	9.4	37.1	42.0	32.1	165.3	225.0	107.6	308.9	425.6	207.5	342.5	613.9	173.0
Spain, Community of Madrid	107.3	147.5	70.0	5.4	4.5	6.4	34.2	38.0	30.4	138.2	202.7	79.4	378.1	567.1	222.5	359.8	640.6	194.6
Spain, Region of Murcia	108.5	141.4	75.2	8.8	11.4	6.1	46.6	62.7	29.0	156.7	185.3	128.0	395.3	600.6	213.2	325.2	522.7	192.1
Spain, Valencian region	143.9	184.2	104.1	8.9	9.6	8.2	43.1	56.1	29.3	178.8	228.3	130.4	376.6	528.4	240.7	546.4	829.9	356.0
Sweden	114.5	149.8	79.4	12.9	16.1	9.5	41.4	55.4	26.9	130.5	163.0	97.4	306.2	417.4	198.8	385.3	614.6	229.1
The Netherlands	120.1	147.9	92.9	7.7	8.6	6.9	37.7	45.6	29.7	141.8	161.3	122.1	350.4	460.2	245.7	469.4	753.6	287.5
United Kingdom, All countries *	106.8	134.7	79.7				48.9	56.7	41.2	147.8	184.3	112.2	296.2	387.7	211.6	323.9	514.4	193.2
United Kingdom, England *	107.1	135.6	79.4				49.5	56.6	42.4	149.4	186.7	113.0	297.0	392.9	208.1	325.7	520.3	191.2
United Kingdom, Northern Ireland *	102.5	126.3	79.6				46.8	58.9	35.1	126.7	175.1	79.2	291.2	320.4	264.8	468.3	692.2	324.1
United Kingdom, Scotland	100.1	121.8	79.7	5.1	8.3	1.7	42.7	49.8	35.7	145.5	174.2	118.1	279.9	343.2	223.6	231.8	365.8	145.4
United Kingdom, Wales *	117.1	149.7	85.7				52.0	70.7	33.3	136.8	168.2	106.5	311.2	408.3	219.7	373.5	566.8	240.0

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

Table A.2.4  
**Incident rates per million population, unadjusted**  
*at day 1, by cause of renal failure*

	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	140.0	100	14.7	10.5	6.3	4.5	4.1	3.0	3.2	2.3	33.0	23.6	36.2	25.9	12.1	8.6	21.7	15.5	29.5	21.1	15.4	11.0	0	0
Belgium, Dutch-speaking *	188.2	100	19.0	10.1	8.0	4.3	10.2	5.4	4.7	2.5	30.5	16.2	35.2	18.7	17.1	9.1	13.2	7.0	71.2	37.8	14.3	7.6	0	0
Belgium, French-speaking *	188.2	100	20.0	10.6	9.8	5.2	7.7	4.1	4.3	2.3	37.2	19.8	41.5	22.0	36.2	19.2	14.5	7.7	51.7	27.5	7.0	3.7	0	0
Bosnia and Herzegovina	125.4	100	13.4	10.7	20.0	15.9	3.4	2.7	32.5	25.9	3.7	3.0	36.2	28.9	17.4	13.9	1.7	1.4	20.5	16.4	12.8	10.2	0	0
Croatia	158.1	100	14.5	9.2	19.4	12.3	5.6	3.6	1.4	0.9	36.1	22.8	37.5	23.7	19.0	12.0	6.1	3.9	22.7	14.4	2.3	1.5	30.9	19.6
Denmark	124.3	100	12.7	10.3	6.9	5.6	7.1	5.7	11.3	9.1	23.2	18.7	34.5	27.8	13.3	10.7	1.2	1.0	23.5	18.9	25.0	20.1	0	0
Finland	80.9	100	9.8	12.1	4.2	5.3	7.8	9.6	10.5	13.0	16.8	20.8	27.3	33.8	4.2	5.3	0.6	0.7	12.4	15.3	14.6	18.0	0	0
France	153.8	100	16.2	10.6	6.6	4.3	9.0	5.8			33.1	21.5	38.4	25.0	1.8	1.2	24.2	15.8	23.8	15.5	0.7	0.5		
Greece	209.7	100	16.6	7.9	12.4	5.9	8.0	3.8	4.1	2.0	50.2	23.9	54.4	25.9	21.1	10.1	4.1	2.0	24.3	11.6	68.9	32.8	0	0
Iceland	59.2	100	6.2	10.5	3.1	5.3	12.5	21.1	0	0	0	0	0	0	28.1	47.4	0	0	6.2	10.5	3.1	5.3	0	0
Norway	102.8	100	16.3	15.9	3.6	3.5	11.4	11.0	6.0	5.8	11.0	10.7	16.9	16.5	28.9	28.1	1.0	1.0	21.9	21.3	2.8	2.7	0	0
Romania	150.6	100	21.3	14.2	8.6	5.7	4.7	3.1			19.7	13.1	9.5	6.3	0.8	0.6	27.8	18.5	58.1	38.6	0	0		
Serbia	122.8	100	14.9	12.1	13.3	10.9	7.4	6.0			29.9	24.3	33.5	27.3	1.0	0.8	13.3	10.9	9.4	7.7	0.1	0.1		
Slovenia	122.0	100	14.1	11.6	5.3	4.4	5.8	4.8	6.8	5.6	26.7	21.9	33.5	27.5	23.3	19.1	1.9	1.6	21.9	17.9	16.0	13.1	0	0
Spain, Andalusia	118.3	100	15.5	13.1	9.4	8.0	9.1	7.7			28.0	23.7	10.0	8.5	6.2	5.2	12.0	10.2	28.0	23.7	0	0		
Spain, Aragon	132.0	100	25.4	19.2	3.7	2.8	5.2	4.0	6.0	4.5	32.1	24.3	38.0	28.8	17.9	13.6	3.0	2.3	11.9	9.0	26.8	20.3	0	0
Spain, Asturias	125.7	100	16.8	13.3	5.6	4.4	8.4	6.7	4.7	3.7	23.3	18.5	27.9	22.2	31.6	25.2	3.7	3.0	14.0	11.1	17.7	14.1	0	0
Spain, Basque country	119.7	100	17.0	14.2	6.9	5.7	17.0	14.2	3.7	3.1	20.6	17.2	24.3	20.3	12.4	10.3	5.5	4.6	13.3	11.1	22.5	18.8	0.9	0.8
Spain, Cantabria *	106.6	100	28.8	27.0	3.4	3.2	10.1	9.5	8.5	7.9	16.9	15.9	25.4	23.8	11.8	11.1	8.5	7.9	11.8	11.1	5.1	4.8	1.7	1.6
Spain, Castile and León ‡	118.7	100	19.4	16.3	6.7	5.7	7.9	6.7	7.9	6.7	20.6	17.3	28.5	24.0	24.5	20.7	0	0	15.8	13.3	15.8	13.3	0	0
Spain, Castile-La Mancha *	99.0	100	10.5	10.6	11.0	11.1	8.6	8.7			22.4	22.6	6.7	6.7	3.8	3.8	15.7	15.9	20.5	20.7	0	0		
Spain, Catalonia	116.4	100	13.7	11.8	5.5	4.8	7.8	6.7	4.1	3.5	22.9	19.6	26.9	23.2	13.2	11.4	3.7	3.2	12.8	11.0	32.6	28.0	0	0
Spain, Extremadura	120.0	100	13.5	11.3	12.6	10.5	8.1	6.8			30.7	25.6	10.8	9.0	1.8	1.5	16.2	13.5	26.2	21.8	0	0		
Spain, Galicia	133.7	100	19.5	14.6	4.0	3.0	10.8	8.1	4.3	3.2	33.6	25.1	37.9	28.4	12.3	9.2	4.7	3.5	15.9	11.9	28.6	21.4	0	0
Spain, Community of Madrid	107.3	100	13.2	12.3	4.4	4.1	8.3	7.7	4.7	4.4	26.5	24.7	31.2	29.0	14.5	13.5	3.3	3.0	17.9	16.7	14.6	13.6	0	0
Spain, Region of Murcia	108.5	100	24.4	22.5	11.5	10.6	2.0	1.9			21.7	20.0	6.1	5.6	10.2	9.4	19.0	17.5	13.6	12.5	0	0		
Spain, Valencian region	143.9	100	13.3	9.2	9.0	6.2	6.4	4.5			25.9	18.0	21.1	14.6	6.8	4.7	17.7	12.3	43.7	30.4	0	0		
Sweden ‡	114.5	100	14.6	12.8	1.6	1.4	6.9	6.1	9.7	8.4	16.3	14.2	25.9	22.7	17.0	14.9	0	0	29.5	25.8	18.9	16.5	0	0
The Netherlands	120.1	100	9.5	7.9	4.3	3.6	5.2	4.3	3.6	3.0	16.0	13.3	19.6	16.3	14.4	12.0	14.7	12.3	23.3	19.4	12.6	10.5	16.4	13.7
United Kingdom, All countries *	106.8	100	13.7	12.8	6.5	6.1	6.5	6.0			25.3	23.7	7.3	6.9	4.4	4.1	19.3	18.1	17.1	16.1	6.6	6.2		
United Kingdom, England *	107.1	100	13.2	12.4	6.4	6.0	6.4	6.0			24.8	23.1	7.7	7.2	4.2	3.9	19.5	18.2	17.1	16.0	7.7	7.2		
United Kingdom, Northern Ireland *	102.5	100	13.7	13.4	11.0	10.7	3.8	3.7			22.5	21.9	9.3	9.1	2.7	2.7	20.8	20.3	15.9	15.5	2.7	2.7		
United Kingdom, Scotland	100.1	100	15.8	15.8	7.2	7.1	7.2	7.1			28.2	28.2	4.3	4.3	4.7	4.7	17.9	17.9	14.7	14.7	0.2	0.2		
United Kingdom, Wales *	117.1	100	17.6	15.0	4.6	3.9	6.8	5.8			31.6	26.9	5.2	4.4	9.1	7.8	19.2	16.4	22.1	18.9	1.0	0.8		

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown  
 Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; Percentages are row percentages; 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 A.2.5  
**Incident rates per million population, adjusted**  
*at day 1, by cause of renal failure, 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	137.3	14.3	6.2	3.9	3.1	32.2	35.2	12.0	21.4	29.1	15.2	0
Belgium, Dutch-speaking *	174.2	18.0	7.5	9.8	4.4	28.2	32.7	15.7	11.7	65.4	13.5	0
Belgium, French-speaking *	201.1	21.2	10.1	8.0	4.3	41.1	45.4	38.3	15.8	55.1	7.2	0
Bosnia and Herzegovina	145.4	13.5	23.7	3.5	35.7	5.5	41.2	19.6	2.1	26.6	15.1	0
Croatia	151.6	13.9	19.2	5.3	1.5	33.5	35.0	18.3	5.7	21.7	2.3	30.2
Denmark	124.9	12.7	7.1	7.1	11.1	23.3	34.4	13.4	1.2	23.8	25.1	0
Finland	77.5	9.5	4.0	7.4	10.8	15.1	25.9	4.2	0.5	11.9	14.0	0
France	153.1	16.6	6.7	9.1			33.4	37.0	1.7	24.4	23.4	0.8
Greece	187.5	15.7	11.0	7.8	4.1	44.8	48.9	18.3	3.7	22.1	60.0	0
Iceland	76.1	6.4	3.5	15.3	0	0	0	38.8	0	7.1	5.1	0
Norway	111.0	17.3	3.9	12.0	6.2	11.8	18.0	31.9	1.0	23.9	3.0	0
Romania	150.4	21.1	8.6	4.6			19.3	9.8	0.8	27.9	58.2	0
Serbia	114.0	14.3	12.6	6.7			27.2	31.1	0.9	12.5	8.7	0.1
Slovenia	120.3	13.6	5.3	5.6	6.6	25.9	32.5	23.2	1.9	21.7	16.4	0
Spain, Andalusia	127.2	16.0	10.2	9.5			30.3	11.0	6.9	12.9	30.3	0
Spain, Aragon	121.7	24.7	3.6	5.2	5.8	29.6	35.3	14.4	2.8	11.1	24.6	0
Spain, Asturias	103.3	14.9	4.7	7.0	4.3	18.3	22.6	24.4	3.4	11.7	14.7	0
Spain, Basque country	109.2	15.4	6.8	15.5	3.3	19.2	22.5	11.3	4.6	12.7	19.6	0.8
Spain, Cantabria *	101.2	27.1	3.2	9.0	7.8	16.4	24.2	11.4	7.5	11.9	5.3	1.5
Spain, Castile and León ‡	97.4	17.6	5.0	7.2	7.0	16.2	23.1	18.5	0	13.5	12.5	0
Spain, Castile-La Mancha *	102.5	10.9	11.3	9.5			23.8	6.4	3.8	16.6	20.1	0
Spain, Catalonia	118.7	13.8	5.6	8.0	4.1	24.2	28.3	13.4	3.7	13.1	32.8	0
Spain, Extremadura	116.5	14.3	11.8	8.0			30.5	10.6	1.3	15.8	24.2	0
Spain, Galicia	114.1	18.4	3.6	9.5	4.1	27.8	31.9	9.7	3.6	14.5	22.8	0
Spain, Community of Madrid	115.5	13.9	4.5	8.4	4.5	30.1	34.6	15.6	3.8	18.8	15.9	0
Spain, Region of Murcia	123.2	26.7	13.2	2.4			25.2	7.4	11.9	21.1	15.3	0
Spain, Valencian region	142.9	13.2	8.8	6.5			26.1	20.7	6.8	17.6	43.3	0
Sweden ‡	110.6	14.5	1.5	7.2	9.7	15.3	25.0	15.9	0	28.6	18.1	0
The Netherlands	122.3	9.6	4.4	5.2	3.6	16.2	19.8	14.8	15.6	23.4	13.0	16.6
United Kingdom, All countries *	110.1	14.1	6.6	6.7			26.2	7.6	4.5	19.9	17.6	6.8
United Kingdom, England *	110.8	13.6	6.5	6.8			25.7	8.0	4.3	20.2	17.7	8.0
United Kingdom, Northern Ireland *	115.9	15.3	11.8	4.0			25.3	10.7	3.5	23.8	18.4	3.1
United Kingdom, Scotland	99.7	16.0	7.2	7.0			28.1	4.3	4.7	17.5	14.7	0.2
United Kingdom, Wales *	114.2	17.9	4.4	7.0			30.8	4.8	8.5	19.0	21.0	0.9

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

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

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



Table A.3.1  
**Incident counts and percentages**  
*at day 91, by age and gender*

	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	%		
Austria	1054	719	335	18	2	13	2	5	1	93	9	69	10	24	7	344	33	233	32	111	33	327	31	232	32	95	28	272	26	172	24	100	30
Belgium, Dutch-speaking *	1089	673	416							82	8	51	8	31	7	274	25	183	27	91	22	245	22	155	23	90	22	488	45	284	42	204	49
Belgium, French-speaking *	800	519	281							73	9	47	9	26	9	236	30	159	31	77	27	205	26	141	27	64	23	286	36	172	33	114	41
Bosnia and Herzegovina	407	230	177	4	1	3	1	1	1	57	14	32	14	25	14	167	41	104	45	63	36	118	29	59	26	59	33	61	15	32	14	29	16
Croatia †	595	353	242	8	1	5	1	3	1	59	10	39	11	21	9	212	36	139	39	72	30	168	28	96	27	72	30	148	25	74	21	74	31
Denmark	654	424	230	12	2	6	1	6	3	74	11	50	12	24	10	208	32	143	34	65	28	185	28	108	25	77	33	175	27	117	28	58	25
Finland	433	302	131	7	2	6	2	1	1	57	13	37	12	20	15	161	37	112	37	49	37	110	25	83	27	27	21	98	23	64	21	34	26
France	9305	5921	3384	101	1	49	1	52	2	919	10	561	9	358	11	2694	29	1695	29	999	30	2121	23	1410	24	711	21	3470	37	2206	37	1264	37
Greece	2059	1346	713	18	1	16	1	2	0	161	8	99	7	62	9	509	25	336	25	173	24	535	26	373	28	162	23	836	41	522	39	314	44
Iceland	19	8	11	0	0	0	0	0	0	0	0	0	0	0	0	9	47	6	75	3	27	3	16	0	3	27	7	37	2	25	5	45	
Norway	499	315	184	5	1	3	1	2	1	60	12	34	11	26	14	188	38	113	36	75	41	112	22	73	23	39	21	134	27	92	29	42	23
Romania	2518	1462	1056	22	1	14	1	8	1	428	17	264	18	164	16	1106	44	640	44	466	44	626	25	349	24	277	26	336	13	195	13	141	13
Serbia	837	512	322	7	1	6	1	1	0	123	15	77	15	46	14	351	42	216	42	133	41	230	27	136	27	94	29	126	15	77	15	48	15
Slovenia	240	153	87	2	1	1	1	1	1	17	7	14	9	3	79	33	53	35	26	30	66	28	43	28	23	26	76	32	42	27	34	39	
Spain, Andalusia	947	592	355	12	1	10	2	2	1	131	14	86	15	45	13	320	34	207	35	113	32	239	25	158	27	81	23	245	26	131	22	114	32
Spain, Aragon	171	122	49	2	1	2	2	0	0	19	11	8	7	11	22	43	25	36	30	7	14	47	27	33	27	14	29	60	35	43	35	17	35
Spain, Asturias	131	92	39	1	1	1	1	0	0	8	6	7	8	1	3	46	35	33	36	13	33	31	24	21	23	10	26	45	34	30	33	15	38
Spain, Basque country	251	169	82	2	1	2	1	0	0	35	14	22	13	13	16	85	34	53	31	32	39	60	24	42	25	18	22	69	27	50	30	19	23
Spain, Cantabria *	55	42	13							7	13	6	14	1	8	22	40	16	38	6	46	14	25	11	26	3	23	12	22	9	21	3	23
Spain, Castile and León *	287	196	91							25	9	15	8	10	11	88	31	64	33	24	26	64	22	47	24	17	19	110	38	70	36	40	44
Spain, Castile-La Mancha *	198	128	70							16	8	10	8	6	9	76	38	50	39	26	37	44	22	27	21	17	24	62	31	41	32	21	30
Spain, Catalonia †	854	564	290	15	2	8	1	7	2	90	11	60	11	30	10	280	33	197	35	82	28	219	26	135	24	84	29	251	29	164	29	87	30
Spain, Extremadura	127	80	47	0	0	0	0	0	0	18	14	9	11	9	19	42	33	29	36	13	28	37	29	23	29	14	30	30	24	19	24	11	23
Spain, Galicia	365	243	122	3	1	1	0	2	2	35	10	19	8	16	13	121	33	84	35	37	30	89	24	58	24	31	25	117	32	81	33	36	30
Spain, Community of Madrid	659	440	219	7	1	3	1	4	2	83	13	46	10	37	17	212	32	151	34	61	28	181	27	122	28	59	27	176	27	118	27	58	26
Spain, Region of Murcia †	159	105	54	2	1	1	1	1	2	28	18	20	19	8	15	52	33	31	30	21	39	41	26	30	29	11	20	36	23	23	22	13	24
Spain, Valencian region	711	451	260	9	1	5	1	4	2	81	11	54	12	27	10	223	31	137	30	86	33	169	24	116	26	53	20	229	32	139	31	90	35
Sweden	969	631	338	27	3	17	3	10	3	124	13	85	13	39	12	289	30	183	29	106	31	270	28	180	29	90	27	259	27	166	26	93	28
The Netherlands	1892	1161	731	29	2	17	1	12	2	195	10	119	10	76	10	618	33	356	31	262	36	516	27	329	28	187	26	534	28	340	29	194	27
United Kingdom, All countries * †	6372	3955	2417							1017	16	589	15	428	18	2287	36	1405	36	882	36	1588	25	1005	25	583	24	1479	23	955	24	524	22
United Kingdom, England * †	5371	3351	2020							867	16	494	15	373	18	1925	36	1188	35	737	37	1328	25	855	26	473	23	1250	23	814	24	436	22
United Kingdom, Northern Ireland * †	168	100	69							29	17	18	18	11	16	56	33	38	38	18	26	35	21	15	15	20	29	49	29	29	29	20	29
United Kingdom, Scotland	508	303	205	5	1	5	2	0	0	72	14	43	14	29	14	203	40	117	39	86	42	136	27	77	25	59	29	92	18	61	20	31	15
United Kingdom, Wales * †	332	207	125							49	15	34	16	15	12	103	31	63	30	40	32	90	27	58	28	32	26	90	27	52	25	37	30

Categories may not add up because of missing values or rounding off; Percentages are row percentages

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

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

Table A.3.2  
**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	64.5	15.5	67.7	68.2	63.9	15.6	67.0	31.8	65.7	15.2	68.9
Belgium, Dutch-speaking *	100	69.4	14.7	73.4	61.8	68.8	14.4	71.7	38.2	70.4	15.0	74.8
Belgium, French-speaking *	100	67.1	15.1	70.0	64.9	66.8	14.7	69.3	35.1	67.8	15.7	71.4
Bosnia and Herzegovina	100	60.8	14.7	63.0	56.5	60.0	14.1	60.8	43.5	61.9	15.4	64.8
Croatia †	100	63.9	15.5	67.0	59.4	62.3	15.6	63.7	40.6	66.5	15.0	70.4
Denmark	100	63.6	16.8	67.2	64.8	63.4	16.7	66.2	35.2	63.9	17.1	68.0
Finland	100	61.7	16.3	64.5	69.7	61.7	16.3	64.8	30.3	61.8	16.6	64.2
France	100	66.6	16.4	69.5	63.6	67.0	15.9	69.7	36.4	66.1	17.3	69.1
Greece	100	68.3	15.1	72.5	65.4	68.0	15.0	71.7	34.6	68.8	15.3	73.5
Iceland	100	67.9	11.9	69.4	42.1	63.2	11.2	60.1	57.9	71.3	11.7	72.4
Norway	100	63.1	15.9	64.8	63.1	64.2	15.5	66.5	36.9	61.2	16.5	62.9
Romania	100	59.4	14.9	61.3	58.1	59.1	15.2	61.1	41.9	59.9	14.4	61.7
Serbia	100	60.4	14.5	62.5	61.2	60.2	14.6	62.0	38.5	60.6	14.3	63.6
Slovenia	100	66.7	14.3	69.1	63.8	65.0	14.7	67.5	36.3	69.6	13.1	70.1
Spain, Andalusia	100	62.6	16.0	65.5	62.5	61.7	16.0	64.3	37.5	64.0	16.0	66.6
Spain, Aragon	100	66.0	15.4	70.8	71.3	66.4	14.7	70.0	28.7	64.7	17.2	71.2
Spain, Asturias	100	66.8	14.0	67.6	70.2	65.8	14.9	67.2	29.8	69.2	11.6	72.0
Spain, Basque country	100	62.3	16.0	65.5	67.3	62.8	16.5	66.6	32.7	61.4	15.0	63.5
Spain, Cantabria *	100	62.5	13.7	64.7	76.4	63.0	13.0	64.7	23.6	60.9	16.4	64.7
Spain, Castile and León *	100	67.0	15.1	70.3	68.3	66.8	14.6	69.9	31.7	67.3	16.3	71.9
Spain, Castile-La Mancha *	100	65.1	13.2	66.9	64.6	65.1	13.4	66.9	35.4	65.1	12.8	67.0
Spain, Catalonia †	100	64.2	16.2	67.0	66.1	63.9	16.0	66.2	33.9	64.6	16.7	68.0
Spain, Extremadura	100	63.0	15.2	66.2	63.0	63.7	13.8	67.4	37.0	61.8	17.3	65.0
Spain, Galicia	100	65.0	14.7	67.8	66.6	65.9	14.0	68.3	33.4	63.3	16.0	66.1
Spain, Community of Madrid	100	63.3	15.9	66.3	66.8	64.3	14.8	66.3	33.2	61.3	17.7	65.9
Spain, Region of Murcia †	100	59.9	16.9	63.5	66.2	61.3	16.3	65.2	33.8	56.7	17.8	56.9
Spain, Valencian region	100	64.5	15.7	67.4	63.4	64.3	15.4	67.2	36.6	64.8	16.2	68.2
Sweden	100	62.7	18.0	66.7	65.1	62.6	18.1	66.6	34.9	62.7	17.8	66.8
The Netherlands	100	64.1	16.0	66.8	61.4	64.4	15.9	67.7	38.6	63.5	16.0	65.5
United Kingdom, All countries * †	100	61.8	15.7	64.1	62.1	62.4	15.7	64.8	37.9	60.8	15.6	62.8
United Kingdom, England * †	100	61.7	15.8	64.0	62.4	62.4	15.7	64.9	37.6	60.5	15.7	62.4
United Kingdom, Northern Ireland * †	100	62.3	16.7	64.1	59.2	62.3	16.7	63.5	40.8	62.3	16.9	66.0
United Kingdom, Scotland	100	60.7	15.3	63.3	59.6	60.8	15.9	63.9	40.4	60.5	14.5	62.5
United Kingdom, Wales * †	100	63.6	15.7	67.8	62.4	63.3	16.6	68.9	37.6	64.0	14.4	66.5

Categories may not add up because of missing values or rounding off; Percentages are row percentages

\* 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 A.3.3  
**Incident rates per million (age-related) population, unadjusted**  
*at day 91, by age and gender*

	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	124.8	174.6	77.5	10.5	14.8	6.0	32.3	47.7	16.7	146.3	199.9	93.6	399.2	610.2	216.4	400.2	693.8	231.6
Belgium, Dutch-speaking *	171.1	214.1	129.1				40.6	50.0	31.0	155.0	205.2	103.9	410.2	540.0	290.1	822.8	1205.0	570.8
Belgium, French-speaking *	170.2	226.9	116.4				45.5	58.5	32.5	193.4	264.1	124.6	554.5	833.3	319.2	749.3	1256.4	465.7
Bosnia and Herzegovina	116.0	133.8	99.0	4.6	6.8	2.3	45.5	50.7	40.3	187.4	238.5	138.5	331.7	374.8	297.6	453.2	574.4	367.7
Croatia †	139.4	171.6	109.4	9.0	11.0	6.9	42.4	54.4	30.0	174.5	235.1	116.6	406.0	538.8	305.0	416.4	602.9	318.0
Denmark	115.8	151.3	80.8	8.8	8.6	9.1	41.3	55.4	27.0	137.6	188.5	86.3	316.1	380.2	255.7	434.4	724.0	240.4
Finland	80.0	113.6	47.6	5.8	9.7	1.7	33.9	43.0	24.4	105.9	148.1	64.2	199.8	321.6	92.3	218.6	391.1	119.4
France	142.2	186.8	100.3	6.3	5.9	6.6	44.2	54.4	34.2	156.6	202.3	113.3	388.1	551.9	244.4	588.7	999.4	342.8
Greece	185.6	247.8	125.9	8.3	14.4	1.9	41.8	50.6	32.8	178.2	243.2	117.3	488.1	729.7	277.0	751.4	1117.1	486.5
Iceland	59.2	49.7	68.8	0	0	0	0	0	0	113.8	151.4	76.0	136.9	0	271.2	366.7	243.7	459.5
Norway	99.4	125.1	73.6	4.0	4.7	3.3	35.0	38.7	31.1	147.8	174.0	120.4	262.1	350.2	178.2	380.7	664.8	196.6
Romania	130.8	156.1	106.8	5.5	6.8	4.1	60.3	73.0	47.0	221.0	264.5	180.2	366.5	476.5	283.9	235.7	364.4	158.4
Serbia	116.3	146.0	87.2	4.9	8.1	1.4	51.5	63.6	39.1	165.5	210.1	121.7	329.9	438.3	242.9	225.3	351.0	141.3
Slovenia	116.7	150.3	83.7	5.1	4.9	5.2	23.7	37.4	8.7	132.8	176.1	88.4	358.0	512.0	229.1	462.9	755.5	313.1
Spain, Andalusia	112.9	142.5	83.9	6.5	10.6	2.2	41.7	53.7	29.2	151.5	197.2	106.3	361.3	509.7	230.5	387.5	528.2	296.7
Spain, Aragon	127.5	182.7	72.8	8.1	15.7	0	40.5	32.8	48.8	121.6	201.1	40.1	398.7	589.2	226.3	392.6	699.9	186.0
Spain, Asturias	121.9	178.5	69.8	6.5	12.6	0	22.3	38.6	5.7	144.7	213.2	79.7	293.6	433.8	174.8	325.9	581.4	173.5
Spain, Basque country	115.1	159.0	73.4	5.1	10.0	0	47.7	58.7	36.1	137.2	174.1	101.6	287.7	431.5	161.8	300.0	574.7	132.9
Spain, Cantabria *	93.0	145.1	43.1				33.8	56.9	9.8	131.7	193.0	71.3	276.3	463.7	111.3	191.2	378.9	76.9
Spain, Castile and León *	113.5	156.4	71.4				30.2	35.2	24.9	125.1	177.8	69.9	260.5	397.7	133.3	324.2	513.4	197.1
Spain, Castile-La Mancha *	94.3	120.8	67.2				20.6	24.7	16.1	148.0	189.2	104.2	273.9	355.2	200.9	294.1	465.9	171.0
Spain, Catalonia †	112.8	150.8	75.7	9.8	10.2	9.5	31.6	40.9	21.7	146.5	209.0	85.3	356.5	470.9	255.9	372.4	634.9	209.4
Spain, Extremadura	114.6	145.4	84.3	0	0	0	46.3	45.2	47.5	146.3	197.1	92.9	391.3	517.6	279.3	252.8	404.2	153.5
Spain, Galicia	131.9	181.6	85.4	6.9	4.4	9.4	37.1	39.9	34.2	161.3	227.7	97.1	308.9	433.1	201.0	336.7	606.5	168.3
Spain, Community of Madrid	102.6	142.3	65.8	5.4	4.5	6.4	33.4	37.2	29.6	129.6	193.7	71.3	362.1	540.5	215.2	347.9	629.9	182.1
Spain, Region of Murcia †	107.6	141.4	73.3	5.9	5.7	6.1	48.3	66.0	29.0	149.9	179.5	120.2	385.9	600.6	195.4	344.3	546.5	208.1
Spain, Valencian region	138.6	177.1	100.7	8.9	9.6	8.2	42.6	55.1	29.3	169.0	209.9	128.9	363.7	528.4	216.2	530.2	801.1	348.2
Sweden	101.8	132.9	70.8	12.4	15.2	9.5	39.8	53.5	25.6	119.3	149.9	88.2	270.2	366.5	177.1	320.8	507.6	193.7
The Netherlands	112.9	140.0	86.4	7.5	8.6	6.3	36.0	43.8	28.2	131.7	151.1	112.2	329.4	430.1	233.3	443.6	723.8	264.3
United Kingdom, All countries * †	100.0	126.3	74.6				47.3	55.0	39.7	140.9	175.5	107.2	272.9	359.5	192.7	294.6	467.4	176.0
United Kingdom, England * †	100.4	127.3	74.4				47.8	54.5	41.0	142.5	178.0	107.8	274.2	366.9	188.2	296.8	472.5	175.2
United Kingdom, Northern Ireland * †	92.3	111.4	73.9				46.8	58.9	35.1	123.7	169.1	79.2	231.6	213.6	248.0	399.8	601.3	270.1
United Kingdom, Scotland	95.6	117.6	74.9	4.3	8.3	0	41.0	49.8	32.4	139.3	164.4	115.4	268.1	322.2	219.9	219.8	371.9	121.8
United Kingdom, Wales * †	108.0	137.3	79.7				51.0	70.7	31.2	126.9	158.2	96.8	283.9	375.9	197.3	334.9	478.5	235.7

\* 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 A.3.4  
**Incident rates per million population, unadjusted**  
*at day 91, by cause of renal failure*

	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	124.8	100	14.2	11.4	5.7	4.6	4.1	3.3	3.1	2.5	29.8	23.9	32.9	26.4	11.7	9.4	19.4	15.6	23.6	18.9	13.1	10.5	0	0
Belgium, Dutch-speaking *	171.1	100	18.2	10.7	7.5	4.4	10.2	6.0	4.4	2.6	29.4	17.2	33.8	19.7	16.0	9.4	11.5	6.7	60.3	35.3	13.5	7.9	0	0
Belgium, French-speaking *	170.2	100	18.3	10.8	8.9	5.3	7.7	4.5	4.0	2.4	34.2	20.1	38.3	22.5	34.0	20.0	11.9	7.0	44.9	26.4	6.2	3.6	0	0
Bosnia and Herzegovina	116.0	100	12.8	11.1	19.4	16.7	3.4	2.9	30.5	26.3	3.1	2.7	33.6	29.0	16.5	14.3	1.7	1.5	18.8	16.2	9.7	8.4	0	0
Croatia †	139.4	100	14.2	10.2	17.6	12.6	5.0	3.6	1.4	1.0	31.4	22.5	32.8	23.5	18.3	13.2	4.8	3.5	19.9	14.3	2.3	1.7	24.4	17.5
Denmark	115.8	100	12.0	10.4	6.7	5.8	6.9	6.0	10.8	9.3	21.2	18.3	32.0	27.7	12.6	10.9	1.2	1.1	21.8	18.8	22.5	19.4	0	0
Finland	80.0	100	9.2	11.5	4.2	5.3	7.8	9.7	10.5	13.2	16.6	20.8	27.2	33.9	4.2	5.3	0.6	0.7	12.4	15.5	14.4	18.0	0	0
France	142.2	100	15.4	10.9	6.3	4.4	8.8	6.2					30.9	21.7	35.3	24.8	1.6	1.1	21.7	15.2	21.5	15.2	0.7	0.5
Greece	185.6	100	15.8	8.5	10.5	5.7	7.7	4.1	4.0	2.1	45.7	24.6	49.7	26.8	19.0	10.2	3.6	1.9	20.3	10.9	59.0	31.8	0	0
Iceland	59.2	100	6.2	10.5	3.1	5.3	12.5	21.1	0	0	0	0	0	0	28.1	47.4	0	0	6.2	10.5	3.1	5.3	0	0
Norway	99.4	100	16.3	16.4	3.6	3.6	11.2	11.2	6.0	6.0	10.4	10.4	16.3	16.4	28.5	28.7	1.0	1.0	20.3	20.4	2.2	2.2	0	0
Romania	130.8	100	19.1	14.6	7.3	5.6	4.6	3.5					17.0	13.0	8.4	6.4	0.4	0.3	23.8	18.2	50.2	38.4	0	0
Serbia	116.3	100	14.6	12.5	12.1	10.4	6.7	5.7					28.8	24.7	31.4	27.0	0.8	0.7	12.9	11.1	8.9	7.6	0.1	0.1
Slovenia	116.7	100	13.1	11.3	4.4	3.8	5.8	5.0	6.8	5.8	26.2	22.5	33.1	28.3	21.9	18.8	1.5	1.3	21.4	18.3	15.6	13.3	0	0
Spain, Andalusia	112.9	100	15.4	13.6	9.4	8.3	8.9	7.9					26.5	23.4	9.7	8.6	5.4	4.8	11.9	10.6	25.8	22.8	0	0
Spain, Aragon	127.5	100	24.6	19.3	3.7	2.9	5.2	4.1	5.2	4.1	31.3	24.6	36.5	28.7	17.2	13.5	3.0	2.3	11.2	8.8	26.1	20.5	0	0
Spain, Asturias	121.9	100	16.8	13.7	4.7	3.8	8.4	6.9	4.7	3.8	23.3	19.1	27.9	22.9	29.8	24.4	2.8	2.3	14.0	11.5	17.7	14.5	0	0
Spain, Basque country	115.1	100	16.5	14.3	6.9	6.0	17.0	14.7	3.7	3.2	20.6	17.9	24.3	21.1	12.4	10.8	4.1	3.6	12.8	11.2	20.2	17.5	0.9	0.8
Spain, Cantabria *	93.0	100	25.4	27.3	3.4	3.6	10.1	10.9	6.8	7.3	16.9	18.2	23.7	25.5	8.5	9.1	8.5	9.1	10.1	10.9	3.4	3.6	0	0
Spain, Castile and León ‡	113.5	100	19.0	16.7	5.5	4.9	7.5	6.6	7.1	6.3	19.4	17.1	26.5	23.3	24.5	21.6	0	0	15.4	13.6	15.0	13.2	0	0
Spain, Castile-La Mancha *	94.3	100	9.5	10.1	11.0	11.6	9.0	9.6					20.0	21.2	6.7	7.1	3.8	4.0	15.2	16.2	19.0	20.2	0	0
Spain, Catalonia †	112.8	100	13.2	11.7	5.5	4.9	7.6	6.7	4.1	3.6	22.1	19.6	26.2	23.3	12.9	11.4	3.7	3.3	12.5	11.0	31.2	27.7	0	0
Spain, Extremadura	114.6	100	12.6	11.0	11.7	10.2	8.1	7.1					30.7	26.8	10.8	9.4	0.9	0.8	16.2	14.2	23.5	20.5	0	0
Spain, Galicia	131.9	100	19.9	15.1	4.0	3.0	10.5	7.9	4.3	3.3	33.6	25.5	37.9	28.8	12.6	9.6	4.3	3.3	14.1	10.7	28.6	21.6	0	0
Spain, Community of Madrid	102.6	100	12.5	12.1	4.4	4.2	8.1	7.9	4.7	4.6	25.2	24.6	29.9	29.1	13.7	13.4	3.3	3.2	16.5	16.1	14.3	14.0	0	0
Spain, Region of Murcia †	107.6	100	24.4	22.7	11.5	10.7	2.0	1.9					20.8	19.3	6.1	5.7	10.2	9.5	19.0	17.6	13.6	12.6	0	0
Spain, Valencian region	138.6	100	13.1	9.4	9.0	6.5	6.4	4.6					25.7	18.6	19.9	14.3	5.8	4.2	16.8	12.1	41.9	30.2	0	0
Sweden ‡	101.8	100	13.4	13.2	1.3	1.2	6.8	6.7	8.3	8.2	14.6	14.3	22.9	22.5	15.2	15.0	0	0	25.7	25.3	16.4	16.1	0	0
The Netherlands	112.9	100	9.0	8.0	4.0	3.5	5.2	4.6	3.6	3.2	15.3	13.5	18.9	16.8	14.1	12.5	14.0	12.4	20.5	18.2	12.1	10.7	15.1	13.4
United Kingdom, All countries * †	100.0	100	13.3	13.3	6.3	6.3	6.4	6.4					23.9	23.9	7.0	7.0	4.0	4.0	17.6	17.6	15.9	15.9	5.6	5.6
United Kingdom, England * †	100.4	100	12.9	12.8	6.1	6.1	6.4	6.3					23.5	23.4	7.4	7.4	3.8	3.8	18.0	17.9	15.8	15.7	6.5	6.5
United Kingdom, Northern Ireland * †	92.3	100	11.5	12.5	11.0	11.9	3.8	4.2					20.3	22.0	7.9	8.5	2.0	2.2	18.6	20.2	15.2	16.4	2.0	2.2
United Kingdom, Scotland	95.6	100	15.6	16.3	7.3	7.7	7.2	7.5					26.5	27.8	4.1	4.3	4.5	4.7	16.0	16.7	14.1	14.8	0.2	0.2
United Kingdom, Wales * †	108.0	100	17.1	15.9	4.6	4.2	6.8	6.3					29.8	27.6	4.8	4.4	7.8	7.2	15.7	14.6	20.4	18.9	1.0	0.9

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown  
 Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; Percentages are row percentages; 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 A.3.5  
**Incident rates per million population, adjusted**  
*at day 91, by cause of renal failure, 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	122.3	13.8	5.6	3.9	2.9	29.1	32.0	11.7	19.2	23.2	13.0	0
Belgium, Dutch-speaking *	158.4	17.3	7.0	9.8	4.1	27.1	31.3	14.6	10.2	55.4	12.8	0
Belgium, French-speaking *	181.7	19.6	9.2	8.0	4.1	38.1	42.2	35.8	13.0	47.7	6.3	0
Bosnia and Herzegovina	134.1	13.0	23.1	3.5	33.6	4.7	38.3	18.7	2.1	23.6	11.8	0
Croatia †	133.9	13.6	17.4	4.8	1.5	29.1	30.6	17.6	4.7	19.2	2.3	24.0
Denmark	116.4	12.0	6.9	6.9	10.7	21.4	32.1	12.7	1.2	22.0	22.5	0
Finland	76.6	9.0	4.0	7.4	10.8	14.9	25.7	4.2	0.5	11.9	13.9	0
France	141.7	15.8	6.4	8.9			31.2	34.0	1.5	21.9	21.3	0.7
Greece	166.7	15.0	9.5	7.5	3.9	40.7	44.7	16.5	3.3	18.6	51.6	0
Iceland	76.3	6.5	3.5	15.3	0	0	0	38.8	0	7.1	5.1	0
Norway	107.4	17.3	3.9	11.8	6.2	11.2	17.4	31.5	1.0	22.1	2.4	0
Romania	130.4	18.9	7.3	4.5			16.7	8.6	0.4	24.0	50.0	0
Serbia	107.9	14.0	11.4	6.1			26.1	29.1	0.8	12.2	8.2	0.1
Slovenia	115.0	12.6	4.4	5.6	6.7	25.4	32.1	21.8	1.4	21.2	15.9	0
Spain, Andalusia	121.2	15.9	10.2	9.3			28.5	10.6	6.0	12.8	27.8	0
Spain, Aragon	117.4	23.8	3.6	5.2	5.2	28.7	33.9	13.8	2.8	10.2	24.1	0
Spain, Asturias	100.2	14.9	4.1	7.0	4.3	18.5	22.8	22.5	2.8	11.7	14.5	0
Spain, Basque country	105.6	15.2	6.7	15.7	3.3	19.3	22.5	11.3	3.5	12.4	17.5	0.8
Spain, Cantabria *	88.7	24.2	3.2	9.0	6.3	16.4	22.7	8.3	7.5	9.9	3.9	0
Spain, Castile and León ‡	93.5	17.3	4.3	6.9	6.3	15.1	21.5	18.4	0	13.1	11.9	0
Spain, Castile-La Mancha *	97.0	10.1	11.2	10.0			20.9	6.1	3.8	16.3	18.7	0
Spain, Catalonia †	115.0	13.3	5.6	7.8	4.1	23.4	27.5	13.0	3.7	12.7	31.4	0
Spain, Extremadura	111.7	13.3	11.2	8.0			30.4	10.6	0.6	15.8	21.7	0
Spain, Galicia	112.4	18.8	3.6	9.1	4.1	27.8	31.9	10.0	3.2	12.9	22.8	0
Spain, Community of Madrid	110.4	13.1	4.5	8.3	4.5	28.7	33.2	14.7	3.8	17.4	15.5	0
Spain, Region of Murcia †	121.8	26.7	13.1	2.4			24.0	7.4	11.9	21.1	15.2	0
Spain, Valencian region	137.4	13.0	8.8	6.5			25.8	19.5	5.8	16.6	41.5	0
Sweden ‡	98.4	13.3	1.2	7.1	8.3	13.7	22.0	14.2	0	24.8	15.7	0
The Netherlands	115.0	9.1	4.1	5.2	3.6	15.4	19.0	14.5	14.8	20.6	12.5	15.3
United Kingdom, All countries * †	103.1	13.7	6.4	6.6			24.7	7.2	4.1	18.2	16.3	5.7
United Kingdom, England * †	103.9	13.3	6.3	6.7			24.4	7.6	3.9	18.6	16.3	6.7
United Kingdom, Northern Ireland * †	104.2	13.4	11.8	4.0			22.9	9.0	2.5	21.3	18.0	2.4
United Kingdom, Scotland	95.0	15.8	7.3	7.0			26.4	4.1	4.5	15.6	14.1	0.2
United Kingdom, Wales * †	105.9	17.4	4.3	7.0			29.1	4.4	7.4	16.0	19.6	0.9

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

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

† The 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 A.3.6

**Incident counts***at day 91, by established therapy*

	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	1054	794	0	1	0	84	879	35	87	5	127	36	11	1	48	0	0
Belgium, Dutch-speaking *	1089	608	1	35	1	310	955	74	33	0	107	9	18	0	27	0	0
Belgium, French-speaking *	800	519	0	0	9	165	693	58	26	0	84	10	9	0	19	0	4
Bosnia and Herzegovina	407	381	0	0	0	13	394	0	12	0	12	0	0	0	0	1	0
Croatia †	595	523	0	0	0	4	527	6	38	14	58	5	3	0	9	1	0
Denmark	654	426	1	0			427	94	86	0	180	22	25	0	47	0	0
Finland	433	282	18	0	0	13	313	61	56	0	117	1	1	1	3	0	0
France	9305	6663	1	2	6	986	7658	332	646	0	978	116	291	2	409	197	63
Greece	2059	1840	0	0	0	57	1897	43	105	0	148	13	1	0	14	0	0
Iceland	19	9	0	0			9			6	6	3	1	0	4	0	0
Norway	499	318	0	0			318			98	98	37	46	0	83	0	0
Romania	2518	2342	0	0	2	5	2349	11	132	0	143	16	6	4	26	0	0
Serbia	837	720	1	0	0	15	736	7	82	0	89	11	1	0	12	0	0
Slovenia	240			228			228			11	11	0	1	0	1	0	0
Spain, Andalusia	947	749	0	0			749			150	150	33	15	0	48	0	0
Spain, Aragon	171	138	0	0		3	141	1	23	0	24	6	0	0	6	0	0
Spain, Asturias	131	87	0	0			87	0	41	0	41	1	2	0	3	0	0
Spain, Basque country	251	183	1	0			184	0	53	0	53	0	14	0	14	0	0
Spain, Cantabria *	55	40	0	0			40	3	9	0	12	3	0	0	3	0	0
Spain, Castile and León *	287	221	0	0			221	18	40	0	58	0	8	0	8	0	0
Spain, Castile-La Mancha *	198	160	0	0			160	11	25	0	36			2	2	0	0
Spain, Catalonia †	854	454	1	0		168	623	28	116	0	144	57	30	0	87	0	0
Spain, Extremadura	127	106	1	0	0	0	107	4	15	0	19	0	1	0	1	0	0
Spain, Galicia	365	260	1	0			261	13	78	0	91	11	2	0	13	0	0
Spain, Community of Madrid	659	520	0	7	0	0	527	18	62	13	93	8	31	0	39	0	0
Spain, Region of Murcia †	159	137	0	0	0	0	137	0	18	0	18	3	0	0	3	0	0
Spain, Valencian region	711	561	2	0			563	7	119	0	126	2	20	0	22	0	0
Sweden	969		8	571			579			310	310	52	28	0	80	0	0
The Netherlands	1892	1333	0	0			1333	87	223	0	310	223	26	0	249	0	0
United Kingdom, All countries * † §	6372	4353	22	3	8	138	4524	548	704	22	1274	263	228	81	571	3	0
United Kingdom, England * †	5371	3610	21	3	6	138	3778	481	602	23	1106	211	196	77	484	3	0
United Kingdom, Northern Ireland * †	168	118	0	0	2	0	120	27	0	0	27	17	4	0	21	0	0
United Kingdom, Scotland	508	396	0	0			396	35	38	0	73	21	15	3	39	0	0
United Kingdom, Wales * †	332	230	1	0	0	0	232	7	64	0	71	14	14	1	29	0	0

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

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

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

§ Not all UK centres record whether a patient is on HDF and this is probably an underestimate of HDF usage in the UK

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

	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	124.8	94.0	0	0.1	0	9.9	104.1	4.1	10.3	0.6	15.0	4.3	1.3	0.1	5.7	0	0
Belgium, Dutch-speaking *	171.1	95.5	0.2	5.5	0.2	48.7	150.0	11.6	5.2	0	16.8	1.4	2.8	0	4.2	0	0
Belgium, French-speaking *	170.2	110.4	0	0	1.9	35.1	147.4	12.3	5.5	0	17.9	2.1	1.9	0	4.0	0	0.9
Bosnia and Herzegovina	116.0	108.6	0	0	0	3.7	112.3	0	3.4	0	3.4	0	0	0	0	0.3	0
Croatia †	139.4	122.5	0	0	0	0.9	123.4	1.5	8.8	3.4	13.7	1.2	0.8	0	2.0	0.2	0
Denmark	115.8	75.4	0.2	0			75.6	16.6	15.2	0	31.9	3.9	4.4	0	8.3	0	0
Finland	80.0	52.1	3.3	0	0	2.4	57.8	11.3	10.3	0	21.6	0.2	0.2	0.2	0.6	0	0
France	142.2	101.8	0	0	0.1	15.1	117.0	5.1	9.9	0	14.9	1.8	4.4	0	6.2	3.0	1.0
Greece	185.6	165.9	0	0	0	5.1	171.0	3.9	9.5	0	13.3	1.2	0.1	0	1.3	0	0
Iceland	59.2	28.1	0	0			28.1			18.7	18.7	9.4	3.1	0	12.5	0	0
Norway	99.4	63.4	0	0			63.4			19.5	19.5	7.4	9.2	0	16.5	0	0
Romania	130.8	121.6	0	0	0.1	0.3	122.0	0.6	6.9	0	7.4	0.8	0.3	0.2	1.4	0	0
Serbia	116.3	100.0	0.1	0	0	2.1	102.2	1.0	11.4	0	12.4	1.5	0.1	0	1.7	0	0
Slovenia	116.7			110.8			110.8			5.3	5.3	0	0.5	0	0.5	0	0
Spain, Andalusia	112.9	89.3	0	0			89.3			17.9	17.9	3.9	1.8	0	5.7	0	0
Spain, Aragon	127.5	102.9	0	0		2.2	105.1	0.7	17.2	0	17.9	4.5	0	0	4.5	0	0
Spain, Asturias	121.9	81.0	0	0			81.0	0	38.2	0	38.2	0.9	1.9	0	2.8	0	0
Spain, Basque country	115.1	83.9	0.5	0			84.4	0	24.3	0	24.3	0	6.4	0	6.4	0	0
Spain, Cantabria *	93.0	67.7	0	0			67.7	5.1	15.2	0	20.3	5.1	0	0	5.1	0	0
Spain, Castile and León *	113.5	87.4	0	0			87.4	7.1	15.8	0	22.9	0	3.2	0	3.2	0	0
Spain, Castile-La Mancha *	94.3	76.2	0	0			76.2	5.2	11.9	0	17.1			1.0	1.0	0	0
Spain, Catalonia †	112.8	59.9	0.1	0		22.2	82.3	3.7	15.3	0	19.0	7.5	4.0	0	11.5	0	0
Spain, Extremadura	114.6	95.7	0.9	0	0	0	96.6	3.6	13.5	0	17.1	0	0.9	0	0.9	0	0
Spain, Galicia	131.9	94.0	0.4	0			94.3	4.7	28.2	0	32.9	4.0	0.7	0	4.7	0	0
Spain, Community of Madrid	102.6	81.0	0	1.1	0	0	82.1	2.8	9.7	2.0	14.5	1.2	4.8	0	6.1	0	0
Spain, Region of Murcia †	107.6	93.1	0	0	0	0	93.1	0	12.4	0	12.4	2.0	0	0	2.0	0	0
Spain, Valencian region	138.6	109.4	0.4	0			109.8	1.4	23.2	0	24.6	0.4	3.9	0	4.3	0	0
Sweden	101.8		0.8	60.0			60.8			32.6	32.6	5.5	2.9	0	8.4	0	0
The Netherlands	112.9	79.6	0	0			79.6	5.2	13.3	0	18.5	13.3	1.6	0	14.9	0	0
United Kingdom, All countries * † §	100.0	68.3	0.4	0	0.1	2.2	71.0	8.6	11.1	0.3	20.0	4.1	3.6	1.3	9.0	0	0
United Kingdom, England * †	100.4	67.5	0.4	0.1	0.1	2.6	70.6	9.0	11.3	0.4	20.7	3.9	3.7	1.4	9.1	0	0
United Kingdom, Northern Ireland * †	92.3	64.9	0	0	0.9	0	65.8	15.0	0	0	15.0	9.3	2.2	0	11.5	0	0
United Kingdom, Scotland	95.6	74.5	0	0			74.5	6.6	7.2	0	13.7	4.0	2.8	0.6	7.3	0	0
United Kingdom, Wales * †	108.0	74.9	0.4	0	0	0	75.4	2.4	20.9	0	23.2	4.7	4.4	0.3	9.4	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)

§ Not all UK centres record whether a patient is on HDF and this is probably an underestimate of HDF usage in the UK

Table A.3.8

**Incident rates per million population, adjusted***at day 91, by established therapy, 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	122.3	92.3	0	0.1	0	9.7	102.1	4.1	10.0	0.6	14.7	4.2	1.3	0.1	5.6	0	0
Belgium, Dutch-speaking *	158.4	87.8	0.2	5.0	0.2	44.7	137.9	11.2	5.1	0	16.3	1.5	2.8	0	4.2	0	0
Belgium, French-speaking *	181.7	118.1	0	0	2.0	37.4	157.6	13.1	5.9	0	19.0	2.2	2.0	0	4.2	0	0.9
Bosnia and Herzegovina	134.1	126.5	0	0	0	3.9	130.4	0	3.4	0	3.4	0	0	0	0	0.3	0
Croatia †	133.9	117.3	0	0	0	0.9	118.3	1.4	8.7	3.2	13.2	1.4	0.8	0	2.2	0.3	0
Denmark	116.4	76.2	0.2	0			76.4	16.9	15.0	0	31.9	3.7	4.4	0	8.1	0	0
Finland	76.6	49.5	3.2	0	0	2.2	54.9	11.3	9.9	0	21.1	0.2	0.2	0.2	0.6	0	0
France	141.7	101.5	0	0	0.1	14.8	116.5	5.2	9.6	0	14.8	1.9	4.6	0	6.5	3.0	0.9
Greece	166.7	148.4	0	0	0	4.7	153.1	3.6	8.7	0	12.3	1.2	0.1	0	1.3	0	0
Iceland	76.3	38.6	0	0			38.6			23.8	23.8	9.8	4.0	0	13.8	0	0
Norway	107.4	68.6	0	0			68.6			21.3	21.3	7.7	9.8	0	17.5	0	0
Romania	130.4	121.3	0	0	0.1	0.3	121.7	0.6	6.9	0	7.5	0.8	0.3	0.2	1.3	0	0
Serbia	107.9	92.1	0.1	0	0	2.0	94.3	1.0	10.9	0	11.9	1.6	0.2	0	1.8	0	0
Slovenia	115.0			109.6			109.6			5.0	5.0	0	0.4	0	0.4	0	0
Spain, Andalusia	121.2	96.2	0	0			96.2			19.3	19.3	3.9	1.8	0	5.6	0	0
Spain, Aragon	117.4	93.1	0	0		2.0	95.1	0.6	16.9	0	17.5	4.9	0	0	4.9	0	0
Spain, Asturias	100.2	65.1	0	0			65.1	0	32.7	0	32.7	0.8	1.6	0	2.4	0	0
Spain, Basque country	105.6	75.9	0.4	0			76.4	0	22.6	0	22.6	0	6.6	0	6.6	0	0
Spain, Cantabria *	88.7	64.6	0	0			64.6	4.7	14.0	0	18.7	5.4	0	0	5.4	0	0
Spain, Castile and León *	93.5	69.5	0	0			69.5	6.6	14.0	0	20.6	0	3.5	0	3.5	0	0
Spain, Castile-La Mancha *	97.0	77.3	0	0			77.3	5.7	13.1	0	18.8			0.9	0.9	0	0
Spain, Catalonia †	115.0	60.8	0.1	0		22.8	83.8	4.1	15.8	0	19.8	7.5	4.1	0	11.5	0	0
Spain, Extremadura	111.7	93.7	0.9	0	0	0	94.6	3.5	12.7	0	16.2	0	0.8	0	0.8	0	0
Spain, Galicia	112.4	77.6	0.2	0			77.8	4.3	25.6	0	30.0	3.8	0.7	0	4.6	0	0
Spain, Community of Madrid	110.4	88.2	0	1.3	0	0	89.5	2.6	10.0	2.0	14.7	1.3	4.9	0	6.2	0	0
Spain, Region of Murcia †	121.8	107.0	0	0	0	0	107.0	0	12.9	0	12.9	1.8	0	0	1.8	0	0
Spain, Valencian region	137.4	108.5	0.4	0			108.9	1.4	22.9	0	24.3	0.4	3.8	0	4.2	0	0
Sweden	98.4		0.8	58.0			58.8			31.2	31.2	5.5	2.9	0	8.4	0	0
The Netherlands	115.0	81.9	0	0			81.9	5.3	13.3	0	18.6	13.0	1.6	0	14.6	0	0
United Kingdom, All countries * † §	103.1	70.5	0.4	0	0.1	2.2	73.2	8.9	11.4	0.4	20.6	4.3	3.7	1.3	9.3	0	0
United Kingdom, England * †	103.9	69.9	0.4	0.1	0.2	2.7	73.1	9.3	11.6	0.4	21.4	4.1	3.8	1.5	9.4	0	0
United Kingdom, Northern Ireland * †	104.2	74.5	0	0	1.3	0	75.6	17.0	0	0	16.6	9.7	2.3	0	12.0	0	0
United Kingdom, Scotland	95.0	74.1	0	0			74.1	6.6	7.1	0	13.6	3.9	2.8	0.6	7.2	0	0
United Kingdom, Wales * †	105.9	72.4	0.5	0	0	0	73.0	2.9	20.9	0	23.5	5.0	4.3	0.4	9.7	0	0

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

\* 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)

§ Not all UK centres record whether a patient is on HDF and this is probably an underestimate of HDF usage in the UK



Table A.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	75.3	0	0.1	0	8.0	83.4	3.3	8.3	0.5	12.0	3.4	1.0	0.1	4.6	0	0
Belgium, Dutch-speaking *	100	55.8	0.1	3.2	0.1	28.5	87.7	6.8	3.0	0	9.8	0.8	1.7	0	2.5	0	0
Belgium, French-speaking *	100	64.9	0	0	1.1	20.6	86.6	7.3	3.3	0	10.5	1.3	1.1	0	2.4	0	0.5
Bosnia and Herzegovina	100	93.6	0	0	0	3.2	96.8	0	2.9	0	2.9	0	0	0	0	0.2	0
Croatia †	100	87.9	0	0	0	0.7	88.6	1.1	6.3	2.4	9.8	0.9	0.6	0	1.5	0.2	0
Denmark	100	65.1	0.2	0			65.3	14.4	13.1	0	27.5	3.4	3.8	0	7.2	0	0
Finland	100	65.1	4.2	0	0	3.0	72.3	14.1	12.9	0	27.0	0.2	0.2	0.2	0.7	0	0
France	100	71.6	0	0	0.1	10.6	82.3	3.6	6.9	0	10.5	1.2	3.1	0	4.4	2.1	0.7
Greece	100	89.4	0	0	0	2.8	92.1	2.1	5.1	0	7.2	0.6	0	0	0.7	0	0
Iceland	100	47.4	0	0			47.4			31.6	31.6	15.8	5.3	0	21.1	0	0
Norway	100	63.7	0	0			63.7			19.6	19.6	7.4	9.2	0	16.6	0	0
Romania	100	93.0	0	0	0.1	0.2	93.3	0.4	5.2	0	5.7	0.6	0.2	0.2	1.0	0	0
Serbia	100	86.0	0.1	0	0	1.8	87.9	0.8	9.8	0	10.6	1.3	0.1	0	1.4	0	0
Slovenia	100			95.0			95.0			4.6	4.6	0	0.4	0	0.4	0	0
Spain, Andalusia	100	79.1	0	0			79.1			15.8	15.8	3.5	1.6	0	5.1	0	0
Spain, Aragon	100	80.7	0	0		1.8	82.5	0.6	13.5	0	14.0	3.5	0	0	3.5	0	0
Spain, Asturias	100	66.4	0	0			66.4	0	31.3	0	31.3	0.8	1.5	0	2.3	0	0
Spain, Basque country	100	72.9	0.4	0			73.3	0	21.1	0	21.1	0	5.6	0	5.6	0	0
Spain, Cantabria *	100	72.7	0	0			72.7	5.5	16.4	0	21.8	5.5	0	0	5.5	0	0
Spain, Castile and León *	100	77.0	0	0			77.0	6.3	13.9	0	20.2	0	2.8	0	2.8	0	0
Spain, Castile-La Mancha *	100	80.8	0	0			80.8	5.6	12.6	0	18.2			1.0	1.0	0	0
Spain, Catalonia †	100	53.1	0.1	0		19.7	72.9	3.3	13.5	0	16.9	6.7	3.6	0	10.2	0	0
Spain, Extremadura	100	83.5	0.8	0	0	0	84.3	3.1	11.8	0	15.0	0	0.8	0	0.8	0	0
Spain, Galicia	100	71.2	0.3	0			71.5	3.6	21.4	0	24.9	3.0	0.5	0	3.6	0	0
Spain, Community of Madrid	100	78.9	0	1.1	0	0	80.0	2.7	9.4	2.0	14.1	1.2	4.7	0	5.9	0	0
Spain, Region of Murcia †	100	86.6	0	0	0	0	86.6	0	11.6	0	11.6	1.9	0	0	1.9	0	0
Spain, Valencian region	100	78.9	0.3	0			79.2	1.0	16.7	0	17.7	0.3	2.8	0	3.1	0	0
Sweden	100		0.8	58.9			59.8			32.0	32.0	5.4	2.9	0	8.3	0	0
The Netherlands	100	70.5	0	0			70.5	4.6	11.8	0	16.4	11.8	1.4	0	13.2	0	0
United Kingdom, All countries * † §	100	68.3	0.4	0	0.1	2.2	71.0	8.6	11.0	0.3	20.0	4.1	3.6	1.3	9.0	0	0
United Kingdom, England * †	100	67.2	0.4	0.1	0.1	2.6	70.3	8.9	11.2	0.4	20.6	3.9	3.7	1.4	9.0	0	0
United Kingdom, Northern Ireland * †	100	70.3	0	0	1.0	0	71.3	16.2	0	0	16.2	10.1	2.4	0	12.5	0	0
United Kingdom, Scotland	100	78.0	0	0			78.0	6.9	7.5	0	14.4	4.1	3.0	0.6	7.7	0	0
United Kingdom, Wales * †	100	69.4	0.4	0	0	0	69.8	2.2	19.4	0	21.5	4.3	4.1	0.3	8.7	0	0

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

§ Not all UK centres record whether a patient is on HDF and this is probably an underestimate of HDF usage in the UK





Table A.4.2  
**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	60.2	15.4	62.0	62.7	60.2	15.2	62.0	37.3	60.4	15.9	62.0
Belgium, Dutch-speaking *	100	65.2	15.3	66.8	59.4	64.9	15.1	66.5	40.6	65.7	15.6	67.5
Belgium, French-speaking *	100	64.0	15.5	65.3	62.3	63.8	15.3	65.4	37.7	64.4	15.6	65.3
Bosnia and Herzegovina	100	58.6	15.2	60.3	57.0	57.6	15.1	59.2	43.0	60.0	15.1	62.4
Croatia	100	60.7	15.1	62.0	57.9	60.1	14.9	61.3	42.1	61.5	15.4	63.2
Denmark	100	58.1	16.5	59.9	61.2	58.3	16.4	60.1	38.8	57.7	16.8	59.7
Finland	100	58.4	16.1	60.7	63.3	58.7	15.8	61.3	36.7	57.9	16.5	59.7
France	100	61.5	16.6	62.9	60.7	61.4	16.5	62.8	39.3	61.7	16.9	63.1
Greece	100	63.2	15.8	65.6	64.3	62.9	15.7	65.2	35.7	63.8	16.1	66.5
Iceland	100	56.5	18.4	59.4	54.8	56.6	18.1	59.8	45.2	56.4	18.9	58.1
Norway	100	58.6	16.1	60.5	65.2	59.0	16.1	61.1	34.8	57.8	16.1	59.4
Romania //	100	58.5	15.1	60.2	56.2	57.8	15.1	59.6	43.8	59.5	15.1	61.0
Serbia	100	57.5	14.3	59.4	59.5	57.4	14.3	59.3	40.5	57.6	14.3	59.5
Slovenia	100	61.5	15.0	62.4	60.0	60.9	14.6	61.6	40.0	62.5	15.5	63.3
Spain, Andalusia	100	59.4	15.9	61.0	60.3	58.7	15.6	59.8	39.7	60.6	16.1	62.6
Spain, Aragon	100	61.8	15.4	63.3	64.5	62.0	15.0	63.3	35.5	61.4	16.2	63.2
Spain, Asturias	100	62.2	15.2	63.0	63.8	62.0	15.0	62.2	36.2	62.6	15.4	64.0
Spain, Basque country	100	60.6	15.7	62.7	62.9	60.9	15.5	63.2	37.1	60.1	16.0	62.2
Spain, Cantabria *	100	60.6	14.7	62.0	68.7	61.1	14.5	62.7	31.3	59.3	14.9	60.7
Spain, Castile and León *	100	63.2	15.1	64.0	65.5	63.0	15.0	63.8	34.5	63.5	15.3	64.8
Spain, Castile-La Mancha *	100	61.7	14.9	63.1	61.2	61.1	14.8	61.8	38.8	62.7	15.0	64.6
Spain, Catalonia	100	61.4	15.9	63.2	62.5	61.3	15.7	63.1	37.5	61.6	16.2	63.5
Spain, Extremadura	100	60.1	15.5	60.8	60.7	59.3	15.0	59.7	39.3	61.5	16.1	62.6
Spain, Galicia	100	61.3	15.2	62.9	62.3	61.3	14.8	62.8	37.7	61.3	15.8	63.2
Spain, Community of Madrid	100	60.6	15.8	62.2	61.3	60.6	15.5	62.3	38.7	60.6	16.3	62.0
Spain, Region of Murcia	100	61.2	15.6	62.6	62.8	61.2	15.3	62.6	37.2	61.4	16.0	62.5
Spain, Valencian region	100	62.0	16.0	63.9	61.9	61.5	16.0	63.7	38.1	62.7	16.0	64.4
Sweden	100	59.2	16.2	61.3	64.1	59.7	16.0	61.9	35.9	58.5	16.5	60.3
The Netherlands	100	59.3	16.2	61.1	60.0	59.3	16.2	61.1	40.0	59.3	16.2	61.1
United Kingdom, All countries *	100	58.0	15.7	58.5	60.8	58.3	15.7	58.8	39.2	57.5	15.6	57.9
United Kingdom, England *	100	58.0	15.7	58.5	60.8	58.3	15.8	58.8	39.2	57.5	15.6	58.0
United Kingdom, Northern Ireland *	100	58.1	16.1	58.7	62.0	58.2	15.9	58.6	38.0	58.1	16.4	58.8
United Kingdom, Scotland	100	56.4	16.1	56.9	58.8	56.4	16.1	57.5	41.2	56.2	16.2	55.9
United Kingdom, Wales *	100	58.8	16.0	59.9	63.1	59.1	16.1	60.3	36.9	58.3	15.8	59.7

Categories may not add up because of missing values or rounding off; Percentages are row percentages

\* 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 A.4.3  
**Prevalence per million (age-related) population, unadjusted**  
*prevalent patients on December 31, by age and gender*

	All			0-19			20-44			45-64			65-74			75+		
	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Austria	1022.7	1313.7	745.7	63.6	78.5	47.9	441.2	526.6	355.1	1532.1	1970.5	1101.2	2678.4	3735.0	1763.2	2146.4	3481.2	1380.2
Belgium, Dutch-speaking *	1206.2	1452.2	966.2				431.1	503.2	357.7	1479.2	1800.6	1152.0	2955.0	3780.2	2191.6	4093.8	5774.6	2985.4
Belgium, French-speaking *	1251.3	1602.0	919.1				466.3	589.5	342.5	1767.8	2222.7	1324.8	3654.2	5082.5	2448.8	4262.6	7246.1	2594.0
Bosnia and Herzegovina	718.1	835.3	605.5	29.7	34.2	25.2	348.4	435.3	259.8	1262.7	1523.0	1013.4	1610.9	1905.6	1376.9	2667.5	3267.0	2244.0
Croatia	1033.2	1241.1	839.5	50.8	57.2	44.0	454.7	533.2	373.9	1566.6	1953.9	1196.5	2409.5	3121.0	1868.1	2340.6	3543.9	1705.9
Denmark	872.3	1075.3	672.3	66.3	73.3	58.9	524.2	621.1	425.7	1342.8	1653.3	1030.2	1896.8	2411.2	1411.5	1881.5	2865.0	1222.8
Finland	807.7	1041.1	582.3	95.5	104.8	85.8	388.5	474.9	297.7	1273.2	1614.1	935.4	1919.7	2662.0	1264.8	1365.2	2364.9	790.4
France	1138.7	1426.8	868.2	53.6	61.1	45.6	558.5	680.8	438.0	1671.3	2107.6	1256.8	2837.4	3724.0	2058.9	3020.9	4768.2	1974.9
Greece	1135.7	1490.4	795.4	47.8	57.5	37.6	431.9	549.6	310.1	1525.3	2089.6	996.5	2803.9	3846.0	1892.9	3057.5	4498.2	2014.4
Iceland	682.8	745.8	619.5	55.9	65.7	45.8	467.4	459.8	475.2	1062.1	1236.6	886.8	1916.8	2027.6	1808.2	1885.9	2436.6	1470.5
Norway	887.3	1154.0	618.9	65.5	79.4	50.9	479.1	588.1	364.5	1450.8	1872.3	1011.3	2319.2	3017.5	1654.1	2022.7	3555.2	1029.9
Romania //	765.9	885.0	653.1	29.9	29.6	30.2	404.3	483.9	321.8	1291.0	1523.2	1073.6	1880.0	2366.2	1514.9	1461.4	1977.2	1151.4
Serbia	752.0	918.5	593.2	21.6	21.7	21.6	433.1	525.7	337.9	1246.4	1521.2	986.1	1625.1	2127.3	1222.5	1023.0	1568.1	668.1
Slovenia	995.5	1207.4	788.1	35.4	44.3	26.0	381.5	430.5	328.3	1464.1	1801.1	1119.1	2549.2	3584.3	1683.3	2551.8	3885.2	1869.2
Spain, Andalusia	1062.0	1292.6	835.5	47.9	57.1	38.1	513.2	625.4	396.6	1697.3	2155.3	1245.2	2981.5	3816.6	2245.0	2604.8	3507.9	2022.0
Spain, Aragon	1082.7	1403.4	764.8	32.3	39.2	25.0	452.0	504.9	394.9	1640.0	2172.8	1093.7	2587.4	3606.8	1664.6	2270.3	3548.3	1411.3
Spain, Asturias	1072.3	1425.8	746.2	51.8	63.1	39.9	455.0	562.2	345.0	1434.4	1964.1	931.8	2225.4	2995.6	1573.6	2100.3	3468.8	1283.6
Spain, Basque country	1140.8	1473.1	824.8	79.8	95.2	63.6	520.1	611.1	425.3	1611.1	2043.2	1193.6	2785.5	3811.2	1887.8	2156.4	3735.5	1195.7
Spain, Cantabria *	972.6	1364.7	596.5				444.0	540.9	343.8	1448.7	2014.7	891.2	2683.9	4047.2	1484.1	1673.4	3157.9	769.3
Spain, Castile and León *	1063.6	1404.7	728.5				425.4	534.6	309.2	1488.7	1953.4	1001.7	2234.4	3063.5	1466.2	2184.0	3425.1	1350.2
Spain, Castile-La Mancha *	1006.6	1221.7	787.7				422.9	510.3	327.7	1615.9	2024.8	1182.8	2926.2	3683.6	2245.7	2300.6	3090.9	1734.4
Spain, Catalonia	1200.1	1518.9	888.7	68.8	72.5	65.0	480.9	584.1	371.6	1824.6	2367.9	1293.1	3382.4	4555.0	2351.8	3043.8	4751.9	1983.7
Spain, Extremadura	1049.5	1282.9	819.3	18.2	17.8	18.7	507.0	647.7	359.0	1724.8	2154.6	1272.6	2379.7	3015.7	1815.8	2039.4	2638.2	1646.6
Spain, Galicia	1182.2	1522.0	863.8	41.1	30.9	52.0	530.0	626.2	432.0	1722.8	2239.4	1222.8	2627.4	3569.2	1809.4	2026.0	3204.5	1290.2
Spain, Community of Madrid	987.2	1257.1	736.5	49.5	58.8	39.7	412.0	494.3	330.5	1538.9	2019.1	1101.6	2758.4	3872.0	1841.7	2676.5	4211.9	1773.6
Spain, Region of Murcia	1155.0	1440.6	865.1	29.5	40.1	18.2	446.9	511.2	376.4	1958.8	2518.7	1396.2	3501.5	4904.8	2256.2	3701.5	5417.2	2545.5
Spain, Valencian region	1191.4	1484.4	902.5	70.3	94.3	44.9	460.3	560.8	353.5	1722.4	2175.4	1279.0	3114.1	4213.7	2129.5	3343.0	4818.2	2352.5
Sweden	933.0	1198.8	668.8	74.4	84.0	64.3	462.4	561.5	359.3	1506.0	1894.7	1111.1	2181.7	2940.1	1448.6	1798.7	2895.6	1051.6
The Netherlands	923.4	1119.7	731.0	61.6	71.0	51.7	496.3	595.0	396.6	1344.6	1601.5	1085.3	2237.3	2772.7	1726.4	2272.1	3480.6	1498.6
United Kingdom, All countries *	867.1	1072.2	668.8				557.3	663.1	452.1	1438.4	1768.6	1116.9	1926.8	2440.5	1452.0	1732.7	2684.7	1079.3
United Kingdom, England *	868.4	1072.7	670.4				553.4	656.8	450.3	1451.7	1784.0	1127.4	1948.6	2458.0	1476.1	1746.0	2705.6	1082.3
United Kingdom, Northern Ireland *	853.8	1079.9	636.1				552.2	683.8	423.9	1400.0	1796.0	1011.9	2150.8	2716.1	1639.1	2136.2	3398.1	1323.6
United Kingdom, Scotland	857.6	1039.5	686.3	63.9	85.1	41.9	575.6	667.6	487.0	1377.5	1671.9	1096.4	1687.5	2130.1	1293.3	1450.5	2152.4	998.1
United Kingdom, Wales *	892.3	1147.1	646.4				600.0	760.8	439.0	1348.1	1669.4	1038.3	1870.2	2527.9	1251.1	1781.6	2843.4	1048.2

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

	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	1022.7	100	237.7	23.2	76.6	7.5	66.4	6.5	56.0	5.5	153.9	15.0	209.9	20.5	77.3	7.6	73.2	7.2	184.2	18.0	97.4	9.5	0	0
Belgium, Dutch-speaking *	1206.2	100	214.7	17.8	89.8	7.4	117.2	9.7	54.2	4.5	163.0	13.5	217.2	18.0	85.4	7.1	80.4	6.7	293.7	24.4	107.6	8.9	0	0
Belgium, French-speaking *	1251.3	100	218.7	17.5	114.6	9.2	95.9	7.7	37.6	3.0	176.8	14.1	214.4	17.1	181.4	14.5	48.9	3.9	306.1	24.5	71.3	5.7	0	0
Bosnia and Herzegovina	718.1	100	149.7	20.8	128.9	17.9	35.6	5.0	100.6	14.0	20.8	2.9	121.4	16.9	65.3	9.1	9.7	1.3	146.5	20.4	61.0	8.5	0	0
Croatia	1033.2	100	253.2	24.5	144.3	14.0	61.1	5.9	21.6	2.1	166.1	16.1	187.6	18.2	124.9	12.1	17.8	1.7	149.9	14.5	32.1	3.1	62.3	6.0
Denmark	872.3	100	176.9	20.3	65.5	7.5	77.0	8.8	83.4	9.6	66.7	7.7	150.1	17.2	83.9	9.6	4.1	0.5	157.0	18.0	157.7	18.1	0	0
Finland	807.7	100	173.4	21.5	74.3	9.2	101.8	12.6	128.9	16.0	80.7	10.0	209.6	26.0	26.0	3.2	4.4	0.5	140.4	17.4	77.8	9.6	0	0
France	1138.7	100	227.4	20.0	72.5	6.4	107.1	9.4					169.6	14.9	173.4	15.2	10.0	0.9	222.6	19.5	125.3	11.0	30.8	2.7
Greece	1135.7	100	208.5	18.4	77.9	6.9	88.6	7.8	23.9	2.1	187.5	16.5	211.4	18.6	109.2	9.6	19.1	1.7	105.2	9.3	315.8	27.8	0	0
Iceland	682.8	100	162.1	23.7	68.6	10.0	56.1	8.2	43.7	6.4	34.3	5.0	78.0	11.4	121.6	17.8	12.5	1.8	146.5	21.5	37.4	5.5	0	0
Norway	887.3	100	258.6	29.1	75.5	8.5	97.8	11.0					110.0	12.4	150.6	17.0	6.6	0.7	166.4	18.8	21.7	2.4	0	0
Romania	765.9	100	170.7	22.3	89.9	11.7	46.2	6.0					78.0	10.2	40.8	5.3	5.2	0.7	97.6	12.7	237.4	31.0	0	0
Serbia	752.0	100	158.1	21.0	85.3	11.3	55.0	7.3					106.7	14.2	176.0	23.4	7.5	1.0	115.8	15.4	47.4	6.3	0.3	0
Slovenia	995.5	100	222.2	22.3	101.6	10.2	91.4	9.2	41.8	4.2	116.2	11.7	158.0	15.9	106.0	10.6	8.3	0.8	156.0	15.7	152.2	15.3	0	0
Spain, Andalusia	1062.0	100	224.6	21.1	119.3	11.2	104.0	9.8					150.4	14.2	84.7	8.0	30.5	2.9	130.1	12.3	218.5	20.6	0	0
Spain, Aragon	1082.7	100	206.6	19.1	66.4	6.1	91.0	8.4	69.3	6.4	108.1	10.0	177.5	16.4	98.4	9.1	35.8	3.3	138.0	12.7	269.2	24.9	0	0
Spain, Asturias	1072.3	100	202.9	18.9	79.1	7.4	124.7	11.6	56.8	5.3	108.9	10.2	165.7	15.5	146.1	13.6	14.9	1.4	160.1	14.9	178.7	16.7	0	0
Spain, Basque country	1140.8	100	271.5	23.8	124.7	10.9	133.9	11.7	41.3	3.6	79.8	7.0	121.1	10.6	104.5	9.2	46.8	4.1	165.1	14.5	171.0	15.0	2.3	0.2
Spain, Cantabria *	972.6	100	304.5	31.3	69.3	7.1	103.2	10.6	55.8	5.7	81.2	8.3	137.0	14.1	103.2	10.6	88.0	9.0	120.1	12.3	42.3	4.3	5.1	0.5
Spain, Castile and León ‡	1063.6	100	182.0	17.1	51.0	4.8	86.6	8.1	73.6	6.9	98.9	9.3	172.5	16.2	130.5	12.3	0	0	140.0	13.2	301.0	28.3	0	0
Spain, Castile-La Mancha *	1006.6	100	200.9	20.0	128.1	12.7	110.9	11.0					149.5	14.9	60.9	6.1	11.4	1.1	115.2	11.4	225.2	22.4	4.3	0.4
Spain, Catalonia	1200.1	100	258.2	21.5	131.2	10.9	124.0	10.3	35.8	3.0	127.1	10.6	162.9	13.6	109.6	9.1	37.8	3.1	127.5	10.6	249.0	20.7	0	0
Spain, Extremadura	1049.5	100	218.4	20.8	84.8	8.1	102.0	9.7					155.2	14.8	57.8	5.5	13.5	1.3	114.6	10.9	292.4	27.9	10.8	1.0
Spain, Galicia	1182.2	100	219.0	18.5	86.0	7.3	125.0	10.6	46.6	3.9	151.4	12.8	198.1	16.8	95.8	8.1	28.6	2.4	164.8	13.9	264.9	22.4	0	0
Spain, Community of Madrid	987.2	100	209.7	21.2	85.0	8.6	105.8	10.7	53.1	5.4	113.4	11.5	166.5	16.9	97.8	9.9	17.4	1.8	152.5	15.4	152.5	15.4	0	0
Spain, Region of Murcia	1155.0	100	297.7	25.8	95.0	8.2	48.2	4.2					148.5	12.9	57.6	5.0	64.4	5.6	177.7	15.4	265.9	23.0	0	0
Spain, Valencian region	1191.4	100	231.4	19.4	121.1	10.2	102.4	8.6					144.9	12.2	154.0	12.9	43.5	3.6	135.7	11.4	258.5	21.7	0	0
Sweden ‡	933.0	100	237.5	25.5	37.2	4.0	93.1	10.0					169.0	18.1	77.5	8.3	0	0	214.0	22.9	104.7	11.2	0	0
The Netherlands	923.4	100	153.9	16.7	72.8	7.9	75.7	8.2	37.4	4.0	71.3	7.7	108.6	11.8	98.8	10.7	60.3	6.5	181.0	19.6	112.3	12.2	60.1	6.5
United Kingdom, All countries *	867.1	100	162.8	18.8	94.8	10.9	80.6	9.3					133.8	15.4	51.6	6.0	18.6	2.2	147.0	17.0	146.9	16.9	31.0	3.6
United Kingdom, England *	868.4	100	157.6	18.1	90.4	10.4	78.3	9.0					133.8	15.4	54.8	6.3	17.7	2.0	148.2	17.1	151.2	17.4	36.4	4.2
United Kingdom, Northern Ireland *	853.8	100	168.9	19.8	131.1	15.4	98.7	11.6					129.4	15.2	32.4	3.8	18.6	2.2	170.0	19.9	100.9	11.8	3.8	0.4
United Kingdom, Scotland	857.6	100	188.2	21.9	125.2	14.6	96.7	11.3					124.4	14.5	34.3	4.0	21.3	2.5	150.6	17.6	116.9	13.6	0.2	0
United Kingdom, Wales *	892.3	100	207.2	23.2	101.5	11.4	81.0	9.1					151.3	17.0	38.1	4.3	30.6	3.4	124.6	14.0	152.6	17.1	5.5	0.6

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown  
 Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown; Percentages are row percentages; 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 A.4.5

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

	Total	GN	PN	PKD	DM			HT	RVD	Misc	Unkn	Missing
					Type I	Type II	Both					
					Pmp	Pmp	Pmp					
Austria	1003.8	231.4	75.4	64.8	54.0	152.0	206.0	76.3	72.3	181.5	95.9	0
Belgium, Dutch-speaking *	1138.5	206.0	86.2	111.6	52.0	150.3	202.3	78.3	72.5	279.3	102.2	0
Belgium, French-speaking *	1324.1	230.6	120.8	102.5	39.1	191.0	230.2	191.0	52.2	321.7	75.2	0
Bosnia and Herzegovina	822.1	158.6	146.4	38.9	113.0	23.1	136.2	75.2	11.8	184.3	70.9	0
Croatia	992.4	245.1	140.1	56.9	22.7	154.7	177.4	120.1	16.9	144.4	31.1	60.5
Denmark	874.3	177.7	66.5	74.7	83.0	66.0	149.0	83.9	4.1	158.7	159.8	0
Finland	778.1	167.0	72.2	92.9	130.1	73.3	203.4	24.9	4.2	137.8	75.7	0
France	1155.8	234.7	74.8	109.0			171.8	168.2	9.8	229.1	126.4	31.9
Greece	1057.7	202.7	73.4	85.8	23.9	168.3	192.2	97.5	17.3	100.4	288.5	0
Iceland	789.2	180.7	80.0	67.5	47.6	44.6	92.2	150.6	16.4	153.1	48.7	0
Norway	938.5	270.3	80.0	104.4			115.2	164.4	7.3	173.8	23.1	0
Romania //	765.9	169.8	89.3	45.4			77.2	41.7	5.3	98.4	238.6	0
Serbia	703.7	152.6	80.6	49.4			98.7	161.8	7.0	108.9	44.5	0.2
Slovenia	967.1	211.3	99.6	86.5	40.2	111.9	152.1	106.0	8.0	154.0	149.7	0
Spain, Andalusia	1125.7	232.3	124.7	112.8			163.0	92.1	34.1	134.5	232.4	0
Spain, Aragon	1016.0	196.6	62.5	87.6	66.8	100.7	167.5	84.6	29.9	132.0	255.2	0
Spain, Asturias	917.1	177.7	71.2	107.0	51.4	89.9	141.3	115.3	12.2	143.3	149.1	0
Spain, Basque country	1052.0	252.2	117.1	122.7	38.2	72.3	110.5	93.4	41.9	157.1	155.1	2.0
Spain, Cantabria *	918.0	284.5	66.7	97.8	52.6	80.0	132.6	92.9	80.6	117.6	40.7	4.6
Spain, Castile and León ‡	912.4	162.9	44.1	78.8	65.6	78.6	144.2	99.4	0	122.7	260.3	0
Spain, Castile-La Mancha *	1034.4	210.4	128.7	122.2			154.4	60.5	11.2	117.7	225.1	4.2
Spain, Catalonia	1221.3	262.8	130.7	129.3	36.1	133.1	169.2	111.7	38.7	128.7	250.1	0
Spain, Extremadura	1021.0	216.6	81.6	103.3			148.9	55.3	12.4	111.1	280.3	11.5
Spain, Galicia	1044.0	203.7	77.8	111.9	44.2	125.4	169.6	79.5	22.6	153.3	225.6	0
Spain, Community of Madrid	1046.3	219.7	86.7	114.2	54.0	128.0	182.0	106.4	19.4	157.1	160.7	0
Spain, Region of Murcia	1303.1	330.3	103.4	55.0			170.2	65.6	74.9	197.7	306.1	0
Spain, Valencian region	1181.6	230.1	119.6	104.1			144.1	151.6	42.8	134.0	255.3	0
Sweden ‡	918.4	236.3	36.8	90.5			166.9	72.7	0	212.3	102.9	0
The Netherlands	927.7	152.1	73.6	73.5	36.8	71.5	108.3	100.2	63.3	181.8	114.2	60.7
United Kingdom, All countries *	896.3	168.3	98.2	83.6			138.6	53.2	19.0	151.9	151.5	31.9
United Kingdom, England *	901.5	163.5	93.8	81.9			139.5	56.8	18.1	153.6	156.6	37.7
United Kingdom, Northern Ireland *	940.0	183.8	142.0	108.1			143.4	36.9	21.7	187.2	112.8	4.1
United Kingdom, Scotland	856.9	187.9	125.8	94.5			124.6	33.8	21.4	150.9	117.9	0.2
United Kingdom, Wales *	884.7	207.2	104.8	79.7			148.9	37.0	27.9	124.9	149.2	5.2

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

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

‡ Mapping the 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 A.4.6

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

	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	8635	2925	4	0	3	956	3888	157	223	8	388	614	3743	2	4359	0	0
Belgium, Dutch-speaking *	7679	2176	14	283	7	1601	4081	257	108	0	365	158	2723	352	3233	0	0
Belgium, French-speaking *	5883	2332	51	0	27	717	3127	182	99	0	281	150	1936	373	2459	1	15
Bosnia and Herzegovina	2519	2039	0	0	6	210	2255	2	78	2	82	128	49	4	181	1	0
Croatia	4411	2545	1	0	0	43	2589	47	112	24	183	131	1435	73	1639	0	0
Denmark	4927	1928	148	0			2076	305	206	0	511	814	1506	0	2320	20	0
Finland	4373	1043	94	0	0	303	1440	192	129	0	321	184	2420	8	2612	0	0
France	74521	30489	240	62	47	7137	37975	1119	1624	1	2744	2659	29926	620	33205	515	82
Greece	12598	7356	1	0	8	2002	9367	378	287	0	665	1069	1497	0	2566	0	0
Iceland	219	57	0	0			57			21	21	100	41	0	141	0	0
Norway	4453	1035	13	0			1048			197	197	1355	1847	6	3208	0	0
Romania //	14747	12044	9	2	6	48	12109	68	1451	0	1519	215	214	686	1115	4	0
Serbia	5414	3509	34	12	0	670	4225	16	406	0	422	512	254	0	766	1	0
Slovenia	2048			1363			1363			47	47	13	625	0	638	0	0
Spain, Andalusia	8905	4000	8	0			4008			391	391	265	4240	0	4505	1	0
Spain, Aragon	1452	562	3	0		4	569	13	49	0	62	45	776	0	821	0	0
Spain, Asturias	1152	408	0	0	0	3	411	8	96	0	104	25	612	0	637	0	0
Spain, Basque country	2488	820	3	0			823	0	202	0	202	0	1463	0	1463	0	0
Spain, Cantabria *	575	201	0	0			201	10	29	0	39	18	317	0	335	0	0
Spain, Castile and León *	2689	1089	4	0			1093	82	93	0	175	0	1396	0	1396	25	0
Spain, Castile-La Mancha *	2114	831	3	0			834	35	85	0	120		1149	1149	11	0	
Spain, Catalonia	9086	2291	3	0		1434	3728	154	214	0	368	748	4242	0	4990	0	0
Spain, Extremadura	1163	519	6	0	0	2	527	20	54	0	74	6	162	348	516	46	0
Spain, Galicia	3271	1450	7	0			1457	98	172	0	270	105	1401	38	1544	0	0
Spain, Community of Madrid	6338	2164	13	260	0	0	2437	94	172	85	351	150	2868	532	3550	0	0
Spain, Region of Murcia	1703	912	1	0	0	0	913	3	69	0	72	33	684	0	717	1	0
Spain, Valencian region	6111	3313	9	0			3322	45	288	0	333	34	1559	861	2454	2	0
Sweden	8882		131	2917			3048			789	789	2151	2894	0	5045	0	0
The Netherlands	15472	5262	196	0			5458	498	481	0	979	3932	5095	6	9033	2	0
United Kingdom, All countries * §	55238	21434	1109	94	21	1043	23701	1858	1919	68	3845	5978	16537	5172	27687	5	0
United Kingdom, England *	46456	17947	931	60	20	1009	19967	1580	1686	54	3320	4975	13357	4833	23165	4	0
United Kingdom, Northern Ireland *	1557	616	36	28	1	32	713	75	6	5	86	160	306	292	758	0	0
United Kingdom, Scotland	4557	1857	67	0			1924	172	71	0	243	628	1729	33	2390	0	0
United Kingdom, Wales * ‡	2743	1020	75	6	0	2	1103	42	156	9	207	244	1172	16	1432	1	0

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

§ Not all UK centres record whether a patient is on HDF and this is probably an underestimate of HDF usage in the UK

‡ The proportion of transplants from live donors is underestimated



Table A.4.7

**Prevalence per million population, unadjusted***prevalent patients on December 31, by established therapy*

	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	1022.7	346.4	0.5	0	0.4	113.2	460.5	18.6	26.4	0.9	46.0	72.7	443.3	0.2	516.3	0	0
Belgium, Dutch-speaking *	1206.2	341.8	2.2	44.5	1.1	251.5	641.0	40.4	17.0	0	57.3	24.8	427.7	55.3	507.8	0	0
Belgium, French-speaking *	1251.3	496.0	10.8	0	5.7	152.5	665.1	38.7	21.1	0	59.8	31.9	411.8	79.3	523.0	0.2	3.2
Bosnia and Herzegovina	718.1	581.3	0	0	1.7	59.9	642.8	0.6	22.2	0.6	23.4	36.5	14.0	1.1	51.6	0.3	0
Croatia	1033.2	596.1	0.2	0	0	10.1	606.5	11.0	26.2	5.6	42.9	30.7	336.1	17.1	383.9	0	0
Denmark	872.3	341.3	26.2	0			367.5	54.0	36.5	0	90.5	144.1	266.6	0	410.7	3.5	0
Finland	807.7	192.6	17.4	0	0	56.0	266.0	35.5	23.8	0	59.3	34.0	447.0	1.5	482.5	0	0
France	1138.7	465.9	3.7	0.9	0.7	109.1	580.3	17.1	24.8	0	41.9	40.6	457.3	9.5	507.4	7.9	1.3
Greece	1135.7	663.1	0.1	0	0.7	180.5	844.4	34.1	25.9	0	59.9	96.4	135.0	0	231.3	0	0
Iceland	682.8	177.7	0	0			177.7			65.5	65.5	311.8	127.8	0	439.6	0	0
Norway	887.3	206.2	2.6	0			208.8			39.3	39.3	270.0	368.0	1.2	639.2	0	0
Romania	765.9	625.5	0.5	0.1	0.3	2.5	628.9	3.5	75.4	0	78.9	11.2	11.1	35.6	57.9	0.2	0
Serbia	752.0	487.4	4.7	1.7	0	93.1	586.9	2.2	56.4	0	58.6	71.1	35.3	0	106.4	0.1	0
Slovenia	995.5			662.6			662.6			22.8	22.8	6.3	303.8	0	310.1	0	0
Spain, Andalusia	1062.0	477.0	1.0	0			478.0			46.6	46.6	31.6	505.6	0	537.2	0.1	0
Spain, Aragon	1082.7	419.1	2.2	0		3.0	424.3	9.7	36.5	0	46.2	33.6	578.7	0	612.2	0	0
Spain, Asturias	1072.3	379.8	0	0	0	2.8	382.6	7.4	89.4	0	96.8	23.3	569.7	0	592.9	0	0
Spain, Basque country	1140.8	376.0	1.4	0	0		377.4	0	92.6	0	92.6	0	670.8	0	670.8	0	0
Spain, Cantabria *	972.6	340.0	0	0			340.0	16.9	49.1	0	66.0	30.4	536.2	0	566.6	0	0
Spain, Castile and León *	1063.6	430.8	1.6	0			432.3	32.4	36.8	0	69.2	0	552.2	0	552.2	9.9	0
Spain, Castile-La Mancha *	1006.6	395.7	1.4	0			397.1	16.7	40.5	0	57.1		547.1	547.1	547.1	5.2	0
Spain, Catalonia	1200.1	302.6	0.4	0		189.4	492.4	20.3	28.3	0	48.6	98.8	560.3	0	659.1	0	0
Spain, Extremadura	1049.5	468.4	5.4	0	0	1.8	475.6	18.0	48.7	0	66.8	5.4	146.2	314.0	465.6	41.5	0
Spain, Galicia	1182.2	524.0	2.5	0			526.6	35.4	62.2	0	97.6	37.9	506.3	13.7	558.0	0	0
Spain, Community of Madrid	987.2	337.1	2.0	40.5	0	0	379.6	14.6	26.8	13.2	54.7	23.4	446.7	82.9	552.9	0	0
Spain, Region of Murcia	1155.0	618.5	0.7	0	0	0	619.2	2.0	46.8	0	48.8	22.4	463.9	0	486.3	0.7	0
Spain, Valencian region	1191.4	645.9	1.8	0			647.7	8.8	56.1	0	64.9	6.6	303.9	167.9	478.4	0.4	0
Sweden	933.0		13.8	306.4			320.2			82.9	82.9	226.0	304.0	0	530.0	0	0
The Netherlands	923.4	314.1	11.7	0			325.8	29.7	28.7	0	58.4	234.7	304.1	0.4	539.1	0.1	0
United Kingdom, All countries * §	867.1	336.5	17.4	1.5	0.3	16.4	372.0	29.2	30.1	1.1	60.4	93.8	259.6	81.2	434.6	0.1	0
United Kingdom, England *	868.4	335.5	17.4	1.1	0.4	18.9	373.3	29.5	31.5	1.0	62.1	93.0	249.7	90.3	433.0	0.1	0
United Kingdom, Northern Ireland *	853.8	337.8	19.7	15.4	0.5	17.5	391.0	41.1	3.3	2.7	47.2	87.7	167.8	160.1	415.7	0	0
United Kingdom, Scotland	857.6	349.5	12.6	0			362.1	32.4	13.4	0	45.7	118.2	325.4	6.2	449.8	0	0
United Kingdom, Wales * ‡	892.3	331.8	24.4	2.0	0	0.7	358.8	13.7	50.7	2.9	67.3	79.4	381.3	5.2	465.8	0.3	0

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

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‡ The proportion of transplants from live donors is underestimated

Table A.4.8

**Prevalence per million population, adjusted***prevalent patients on December 31, by established therapy, 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	1003.8	342.3	0.5	0	0.4	111.6	454.7	18.2	25.9	1.0	45.0	71.8	432.0	0.2	504.0	0	0
Belgium, Dutch-speaking *	1138.5	314.7	2.2	41.1	1.0	231.2	590.2	38.9	16.0	0	54.9	25.5	415.3	52.7	493.4	0	0
Belgium, French-speaking *	1324.1	523.1	11.3	0	6.0	163.1	703.5	41.3	22.3	0	63.6	33.0	436.4	84.1	553.5	0.3	3.3
Bosnia and Herzegovina	822.1	679.8	0	0	1.8	64.1	745.7	0.7	22.9	0.6	24.2	36.6	14.2	1.2	52.0	0.3	0
Croatia	992.4	567.5	0.2	0	0	9.5	577.3	10.7	25.6	5.4	41.6	31.4	325.7	16.4	373.5	0	0
Denmark	874.3	345.6	25.7	0			371.4	54.3	36.3	0	90.6	146.3	262.6	0	408.9	3.5	0
Finland	778.1	184.2	16.8	0	0	53.3	254.3	34.3	23.0	0	57.3	33.3	431.7	1.4	466.4	0	0
France	1155.8	465.0	3.8	0.9	0.7	108.0	578.4	17.2	23.8	0	41.1	42.9	474.4	9.8	527.1	8.1	1.3
Greece	1057.7	598.0	0.1	0	0.6	172.0	770.7	32.3	23.7	0	56.0	97.0	134.0	0	230.9	0	0
Iceland	789.2	223.6	0	0			223.6			83.5	83.5	340.6	141.4	0	482.0	0	0
Norway	938.5	223.1	2.8	0			226.0			43.4	43.4	278.4	389.4	1.2	669.1	0	0
Romania	765.9	626.1	0.5	0.1	0.3	2.5	629.5	3.7	75.4	0	79.0	10.8	11.1	35.3	57.2	0.2	0
Serbia	703.7	447.1	4.4	1.5	0	88.0	541.0	2.2	52.7	0	54.9	73.4	34.3	0	107.7	0.1	0
Slovenia	967.1			650.4			650.4			21.8	21.8	5.9	289.0	0	294.9	0	0
Spain, Andalusia	1125.7	516.2	1.0	0			517.1			49.5	49.5	31.0	527.9	0	559.0	0.1	0
Spain, Aragon	1016.0	374.7	2.1	0		2.8	379.6	8.5	36.1	0	44.7	33.4	558.4	0	591.8	0	0
Spain, Asturias	917.1	304.6	0	0	0	2.5	307.1	5.9	77.9	0	83.8	22.5	503.7	0	526.2	0	0
Spain, Basque country	1052.0	333.2	1.3	0			334.4	0	85.7	0	85.7	0	631.9	0	631.9	0	0
Spain, Cantabria *	918.0	310.9	0	0			310.9	16.7	44.0	0	60.7	32.0	514.5	0	546.5	0	0
Spain, Castile and León *	912.4	335.3	1.6	0			337.0	27.8	30.4	0	58.1	0	510.7	0	510.7	6.6	0
Spain, Castile-La Mancha *	1034.4	391.4	1.3	0			392.7	17.6	41.3	0	58.8		577.7	577.7	577.7	5.2	0
Spain, Catalonia	1221.3	303.2	0.4	0		191.8	495.4	21.2	29.1	0	50.3	97.5	578.0	0	675.5	0	0
Spain, Extremadura	1021.0	436.3	5.7	0	0	2.0	443.9	17.5	48.0	0	65.5	5.3	149.8	313.2	468.3	43.3	0
Spain, Galicia	1044.0	432.1	2.4	0			434.4	32.8	55.5	0	88.3	37.2	470.0	14.2	521.3	0	0
Spain, Community of Madrid	1046.3	363.8	2.1	43.5	0	0	409.4	14.9	28.0	13.9	56.8	23.8	469.7	86.6	580.0	0	0
Spain, Region of Murcia	1303.1	708.7	0.9	0	0	0	709.7	2.6	51.0	0	53.6	23.2	515.7	0	538.9	0.9	0
Spain, Valencian region	1181.6	638.1	1.7	0			639.9	8.7	55.5	0	64.2	6.5	302.8	168.0	477.2	0.4	0
Sweden	918.4		13.8	295.2			309.0			80.1	80.1	229.1	300.2	0	529.3	0	0
The Netherlands	927.7	326.0	11.6	0			337.5	29.9	29.0	0	59.0	231.4	299.4	0.3	531.1	0.1	0
United Kingdom, All countries * §	896.3	346.9	18.0	1.6	0.3	16.9	383.7	30.0	31.0	1.1	62.1	97.4	268.9	84.1	450.5	0.1	0
United Kingdom, England *	901.5	347.6	18.1	1.2	0.4	19.6	386.8	30.5	32.6	1.0	64.1	96.8	259.8	93.9	450.5	0.1	0
United Kingdom, Northern Ireland *	940.0	382.1	21.3	17.5	0.5	19.3	440.7	45.6	3.6	2.9	52.1	92.8	180.3	174.1	447.2	0	0
United Kingdom, Scotland	856.9	349.1	12.6	0			361.7	32.3	13.2	0	45.5	119.5	323.9	6.3	449.7	0	0
United Kingdom, Wales * ‡	884.7	316.9	24.5	2.0	0	0.6	344.0	13.8	48.8	2.7	65.2	83.3	386.5	5.5	475.2	0.3	0

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

§ Not all UK centres record whether a patient is on HDF and this is probably an underestimate of HDF usage in the UK

‡ The proportion of transplants from live donors is underestimated

Table A.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	33.9	0	0	0	11.1	45.0	1.8	2.6	0.1	4.5	7.1	43.3	0	50.5	0	0
Belgium, Dutch-speaking *	100	28.3	0.2	3.7	0.1	20.8	53.1	3.3	1.4	0	4.8	2.1	35.5	4.6	42.1	0	0
Belgium, French-speaking *	100	39.6	0.9	0	0.5	12.2	53.2	3.1	1.7	0	4.8	2.5	32.9	6.3	41.8	0	0.3
Bosnia and Herzegovina	100	80.9	0	0	0.2	8.3	89.5	0.1	3.1	0.1	3.3	5.1	1.9	0.2	7.2	0	0
Croatia	100	57.7	0	0	0	1.0	58.7	1.1	2.5	0.5	4.1	3.0	32.5	1.7	37.2	0	0
Denmark	100	39.1	3.0	0			42.1	6.2	4.2	0	10.4	16.5	30.6	0	47.1	0.4	0
Finland	100	23.9	2.1	0	0	6.9	32.9	4.4	2.9	0	7.3	4.2	55.3	0.2	59.7	0	0
France	100	40.9	0.3	0.1	0.1	9.6	51.0	1.5	2.2	0	3.7	3.6	40.2	0.8	44.6	0.7	0.1
Greece	100	58.4	0	0	0.1	15.9	74.4	3.0	2.3	0	5.3	8.5	11.9	0	20.4	0	0
Iceland	100	26.0	0	0			26.0			9.6	9.6	45.7	18.7	0	64.4	0	0
Norway	100	23.2	0.3	0			23.5			4.4	4.4	30.4	41.5	0.1	72.0	0	0
Romania //	100	81.7	0.1	0	0	0.3	82.1	0.5	9.8	0	10.3	1.5	1.5	4.7	7.6	0	0
Serbia	100	64.8	0.6	0.2	0	12.4	78.0	0.3	7.5	0	7.8	9.5	4.7	0	14.1	0	0
Slovenia	100			66.6			66.6			2.3	2.3	0.6	30.5	0	31.2	0	0
Spain, Andalusia	100	44.9	0.1	0			45.0			4.4	4.4	3.0	47.6	0	50.6	0	0
Spain, Aragon	100	38.7	0.2	0		0.3	39.2	0.9	3.4	0	4.3	3.1	53.4	0	56.5	0	0
Spain, Asturias	100	35.4	0	0	0	0.3	35.7	0.7	8.3	0	9.0	2.2	53.1	0	55.3	0	0
Spain, Basque country	100	33.0	0.1	0			33.1	0	8.1	0	8.1	0	58.8	0	58.8	0	0
Spain, Cantabria *	100	35.0	0	0			35.0	1.7	5.0	0	6.8	3.1	55.1	0	58.3	0	0
Spain, Castile and León *	100	40.5	0.1	0			40.6	3.0	3.5	0	6.5	0	51.9	0	51.9	0.9	0
Spain, Castile-La Mancha *	100	39.3	0.1	0			39.5	1.7	4.0	0	5.7			54.4	54.4	0.5	0
Spain, Catalonia	100	25.2	0	0		15.8	41.0	1.7	2.4	0	4.1	8.2	46.7	0	54.9	0	0
Spain, Extremadura	100	44.6	0.5	0	0	0.2	45.3	1.7	4.6	0	6.4	0.5	13.9	29.9	44.4	4.0	0
Spain, Galicia	100	44.3	0.2	0			44.5	3.0	5.3	0	8.3	3.2	42.8	1.2	47.2	0	0
Spain, Community of Madrid	100	34.1	0.2	4.1	0	0	38.5	1.5	2.7	1.3	5.5	2.4	45.3	8.4	56.0	0	0
Spain, Region of Murcia	100	53.6	0.1	0	0	0	53.6	0.2	4.1	0	4.2	1.9	40.2	0	42.1	0.1	0
Spain, Valencian region	100	54.2	0.1	0			54.4	0.7	4.7	0	5.4	0.6	25.5	14.1	40.2	0	0
Sweden	100		1.5	32.8			34.3			8.9	8.9	24.2	32.6	0	56.8	0	0
The Netherlands	100	34.0	1.3	0			35.3	3.2	3.1	0	6.3	25.4	32.9	0	58.4	0	0
United Kingdom, All countries * §	100	38.8	2.0	0.2	0	1.9	42.9	3.4	3.5	0.1	7.0	10.8	29.9	9.4	50.1	0	0
United Kingdom, England *	100	38.6	2.0	0.1	0	2.2	43.0	3.4	3.6	0.1	7.1	10.7	28.8	10.4	49.9	0	0
United Kingdom, Northern Ireland *	100	39.6	2.3	1.8	0.1	2.1	45.8	4.8	0.4	0.3	5.5	10.3	19.7	18.8	48.7	0	0
United Kingdom, Scotland	100	40.8	1.5	0			42.2	3.8	1.6	0	5.3	13.8	37.9	0.7	52.4	0	0
United Kingdom, Wales * ‡	100	37.2	2.7	0.2	0	0.1	40.2	1.5	5.7	0.3	7.5	8.9	42.7	0.6	52.2	0	0

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

§ Not all UK centres record whether a patient is on HDF and this is probably an underestimate of HDF usage in the UK

‡ The proportion of transplants from live donors is underestimated

Table A.4.10

**Percentages of established therapy, unadjusted**

*prevalent patients on December 31, by age, gender, and primary diagnosis*

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

Abbreviations used: HD: haemodialysis; PD: peritoneal dialysis; Tx: transplant; Oth: other (includes haemofiltration (HF), haemodiafiltration (HDF), and unknown); DM: diabetes mellitus  
 Categories may not add up because of missing values or rounding off; Percentages are row percentages

\* 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 A.5.1  
**Renal transplants performed in 2012, numbers and percentages**  
*by donor type*

	Total		Living								Deceased		Donor type Unkn	
	N	%	Related		Unrelated		Type Unkn		All		N	%	N	%
			N	%	N	%	N	%	N	%				
Austria §	420	100	38	9.0	24	5.7	0	0	62	14.8	358	85.2	0	0
Belgium, Dutch-speaking *	279	100	7	2.5	9	3.2	0	0	16	5.7	263	94.3	0	0
Belgium, French-speaking *	188	100	6	3.2	10	5.3	0	0	16	8.5	172	91.5	0	0
Bosnia and Herzegovina	25	100	8	32.0	3	12.0	1	4.0	12	48.0	12	48.0	1	4.0
Croatia	232	100	7	3.0	1	0.4	0	0	8	3.4	215	92.7	9	3.9
Denmark	217	100	52	24.0	25	11.5	0	0	77	35.5	140	64.5	0	0
Finland	194	100	10	5.2	0	0	0	0	10	5.2	182	93.8	2	1.0
France	3055	100	357	11.7	0	0	0	0	357	11.7	2687	88.0	11	0.4
Greece	187	100	45	24.1	2	1.1	0	0	47	25.1	140	74.9	0	0
Iceland	6	100	4	66.7	2	33.3	0	0	6	100	0	0	0	0
Norway	299	100	59	19.7	22	7.4	0	0	81	27.1	218	72.9	0	0
Romania	136	100	43	31.6	0	0	2	1.5	45	33.1	62	45.6	29	21.3
Serbia	90	100	31	34.4	1	1.1	7	7.8	39	43.3	51	56.7	0	0
Slovenia	63	100	0	0	0	0	0	0	0	0	63	100	0	0
Spain, Andalusia	464	100	43	9.3	27	5.8	0	0	70	15.1	394	84.9	0	0
Spain, Aragon	73	100	10	13.7	0	0	0	0	10	13.7	63	86.3	0	0
Spain, Asturias	49	100	6	12.2	0	0	0	0	6	12.2	43	87.8	0	0
Spain, Basque country	123	100	0	0	0	0	0	0	0	0	123	100	0	0
Spain, Cantabria *	36	100	6	16.7	1	2.8	0	0	7	19.4	29	80.6	0	0
Spain, Castile and León *	126	100	0	0	0	0	0	0	0	0	126	100	0	0
Spain, Castile-La Mancha *	92	100											92	100
Spain, Catalonia	560	100	148	26.4	0	0	0	0	148	26.4	412	73.6	0	0
Spain, Extremadura	43	100	1	2.3	0	0	0	0	1	2.3	36	83.7	6	14.0
Spain, Galicia	138	100					24	17.4	24	17.4	114	82.6	0	0
Spain, Community of Madrid	379	100	22	5.8	4	1.1	0	0	26	6.9	353	93.1	0	0
Spain, Region of Murcia	81	100	0	0	1	1.2	9	11.1	10	12.3	71	87.7	0	0
Spain, Valencian region	224	100	3	1.3	4	1.8	4	1.8	11	4.9	213	95.1	0	0
Sweden	390	100	89	22.8	65	16.7	0	0	154	39.5	236	60.5	0	0
The Netherlands	956	100					485	50.7	485	50.7	471	49.3	0	0
United Kingdom, All countries * ‡	2837	100	535	18.9	422	14.9	5	0.2	962	33.9	1875	66.1	0	0
United Kingdom, England * ‡	2389	100	436	18.3	365	15.3	5	0.2	806	33.7	1583	66.3	0	0
United Kingdom, Northern Ireland * ‡	117	100	33	28.2	21	18.0	0	0	54	46.2	63	53.9	0	0
United Kingdom, Scotland * ‡	201	100	39	19.4	21	10.5	0	0	60	29.9	141	70.2	0	0
United Kingdom, Wales * ‡	130	100	27	20.8	15	11.5	0	0	42	32.3	88	67.7	0	0

Categories may not add up because of rounding off; Percentages are row percentages; 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

‡ Data from NHS Blood and Transplant

Table A.5.2  
**Renal transplants performed in 2012, per million population**  
*by donor type*

	Total	Living				Deceased	Donor type Unkn
	Pmp	Related	Unrelated	Type Unkn	All	Pmp	Pmp
		Pmp	Pmp	Pmp	Pmp		
Austria §	47.3	4.5	2.8	0	7.3	39.9	0
Belgium, Dutch-speaking *	43.8	1.1	1.4	0	2.5	41.3	0
Belgium, French-speaking *	40.0	1.3	2.1	0	3.4	36.6	0
Bosnia and Herzegovina	7.1	2.3	0.9	0.3	3.4	3.4	0.3
Croatia	54.3	1.6	0.2	0	1.9	50.4	2.1
Denmark	38.4	9.2	4.4	0	13.6	24.8	0
Finland	35.8	1.8	0	0	1.8	33.6	0.4
France	46.7	5.5	0	0	5.5	41.1	0.2
Greece	16.9	4.1	0.2	0	4.2	12.6	0
Iceland	18.7	12.5	6.2	0	18.7	0	0
Norway	59.6	11.8	4.4	0	16.1	43.4	0
Romania	7.1	2.2	0	0.1	2.3	3.2	1.5
Serbia	12.5	4.3	0.1	1.0	5.4	7.1	0
Slovenia	30.6	0	0	0	0	30.6	0
Spain, Andalusia	55.3	5.1	3.2	0	8.3	47.0	0
Spain, Aragon	54.4	7.5	0	0	7.5	47.0	0
Spain, Asturias	45.6	5.6	0	0	5.6	40.0	0
Spain, Basque country	56.4	0	0	0	0	56.4	0
Spain, Cantabria *	60.9	10.1	1.7	0	11.8	49.1	0
Spain, Castile and León *	49.8	0	0	0	0	49.8	0
Spain, Castile-La Mancha *	43.8						43.8
Spain, Catalonia	74.0	19.5	0	0	19.5	54.4	0
Spain, Extremadura	38.8	0.9	0	0	0.9	32.5	5.4
Spain, Galicia	49.9			8.7	8.7	41.2	0
Spain, Community of Madrid	59.0	3.4	0.6	0	4.0	55.0	0
Spain, Region of Murcia	54.9	0	0.7	6.1	6.8	48.2	0
Spain, Valencian region	43.7	0.6	0.8	0.8	2.1	41.5	0
Sweden	41.0	9.3	6.8	0	16.2	24.8	0
The Netherlands	57.1			28.9	28.9	28.1	0
United Kingdom, All countries * ‡	44.5	8.4	6.6	0.1	15.1	29.4	0
United Kingdom, England * ‡	44.7	8.2	6.8	0.1	15.1	29.6	0
United Kingdom, Northern Ireland * ‡	64.2	18.1	11.5	0	29.6	34.6	0
United Kingdom, Scotland * ‡	37.8	7.3	4.0	0	11.3	26.5	0
United Kingdom, Wales * ‡	42.3	8.8	4.9	0	13.7	28.6	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

‡ Data from NHS Blood and Transplant



Table A.6.1

**90-day, one-, two- and five-year survival probabilities (cohort 2003-2007): Incident RRT patients, unadjusted**  
*from day 1 to 90 days, one, two, and five years, by age, gender, and primary diagnosis*

	90 day Survival in % (95% CI)	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>				
0-19	99.2 (98.4-99.6)	96.6 (95.3-97.6)	96.1 (94.7-97.1)	94.2 (92.6-95.4)
20-44	98.9 (98.7-99.0)	96.1 (95.7-96.4)	93.0 (92.6-93.4)	86.6 (86.0-87.1)
45-64	96.4 (96.2-96.6)	88.9 (88.6-89.2)	81.1 (80.7-81.4)	62.9 (62.6-63.3)
65-74	92.6 (92.3-92.9)	78.7 (78.3-79.1)	65.5 (65.1-65.9)	37.1 (36.9-37.3)
75+	88.1 (87.7-88.4)	68.9 (68.5-69.3)	51.4 (51.1-51.8)	20.1 (20.0-20.2)
Men	93.7 (93.5-93.9)	81.9 (81.6-82.1)	70.5 (70.2-70.7)	47.2 (47.0-47.4)
Women	93.0 (92.8-93.3)	81.2 (80.9-81.5)	70.3 (69.9-70.6)	48.0 (47.7-48.2)
Diabetes	94.3 (94.0-94.6)	81.7 (81.3-82.1)	67.6 (67.2-68.1)	38.6 (38.4-38.9)
Hypertension / renal vascular disease	93.5 (93.2-93.9)	80.3 (79.8-80.8)	66.8 (66.3-67.3)	39.0 (38.7-39.3)
Glomerulonephritis	97.3 (97.0-97.6)	91.4 (90.9-91.8)	84.8 (84.2-85.3)	69.5 (68.9-70.1)
Other cause	92.5 (92.3-92.8)	80.3 (80.0-80.6)	70.1 (69.8-70.4)	49.6 (49.4-49.8)
All	93.4 (93.3-93.6)	81.6 (81.4-81.8)	70.4 (70.2-70.6)	47.5 (47.3-47.6)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)



Table A.6.2

**90-day, one-, two- and five-year survival probabilities (cohort 2003-2007): Incident RRT patients, adjusted**  
*from day 1 to 90 days, one, two, and five years, adjusted for age, gender, and primary diagnosis*

	90 day Survival in % (95% CI)	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>				
0-19	99.1 (98.5-99.7)	96.4 (95.2-97.7)	95.9 (94.6-97.2)	93.8 (92.2-95.4)
20-44	98.9 (98.7-99.1)	96.1 (95.8-96.5)	93.0 (92.5-93.4)	86.4 (85.8-87.0)
45-64	96.6 (96.4-96.8)	89.5 (89.2-89.9)	82.0 (81.5-82.4)	64.0 (63.5-64.6)
65-74	93.3 (93.0-93.6)	80.3 (79.8-80.7)	67.6 (67.1-68.2)	39.3 (38.7-39.9)
75+	88.8 (88.5-89.2)	70.4 (69.8-70.9)	53.2 (52.6-53.8)	21.3 (20.8-21.9)
Men	96.3 (96.2-96.4)	88.7 (88.5-88.9)	80.3 (80.0-80.6)	58.8 (58.3-59.2)
Women	96.1 (95.9-96.2)	88.7 (88.4-89.0)	80.9 (80.6-81.3)	61.0 (60.4-61.5)
Diabetes	96.2 (96.0-96.4)	87.2 (86.8-87.6)	76.2 (75.7-76.7)	48.7 (48.1-49.4)
Hypertension / renal vascular disease	96.9 (96.7-97.1)	90.0 (89.6-90.3)	82.0 (81.5-82.5)	60.2 (59.5-60.9)
Glomerulonephritis	97.7 (97.4-97.9)	92.5 (92.0-93.0)	86.3 (85.7-86.9)	70.1 (69.3-71.0)
Other cause	95.3 (95.1-95.5)	87.1 (86.8-87.3)	79.2 (78.9-79.6)	60.0 (59.5-60.5)
All	96.2 (96.1-96.3)	88.7 (88.5-88.9)	80.6 (80.3-80.9)	59.7 (59.3-60.0)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.3

**One-, two- and five-year survival probabilities (cohort 2003-2007): Incident RRT patients, unadjusted**  
*from day 91 to one, two, and five years + 90 days, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	97.0 (95.6-97.9)	96.5 (95.1-97.5)	94.4 (92.7-95.7)
20-44	96.4 (96.1-96.8)	93.3 (92.8-93.7)	86.8 (86.2-87.3)
45-64	89.9 (89.6-90.2)	82.1 (81.7-82.5)	63.4 (63.1-63.8)
65-74	81.2 (80.8-81.6)	68.1 (67.7-68.5)	38.0 (37.7-38.2)
75+	73.2 (72.8-73.6)	54.5 (54.1-54.9)	20.7 (20.6-20.8)
Men	84.1 (83.9-84.4)	72.6 (72.3-72.9)	48.2 (48.0-48.4)
Women	84.1 (83.8-84.5)	72.9 (72.6-73.3)	49.5 (49.2-49.8)
Diabetes	82.7 (82.3-83.1)	68.3 (67.9-68.8)	38.5 (38.2-38.7)
Hypertension / renal vascular disease	82.1 (81.5-82.6)	68.4 (67.8-68.9)	39.5 (39.1-39.8)
Glomerulonephritis	92.0 (91.5-92.5)	85.6 (85.0-86.1)	70.0 (69.4-70.7)
Other cause	83.8 (83.5-84.1)	73.4 (73.0-73.7)	51.6 (51.3-51.8)
All	84.1 (83.9-84.3)	72.7 (72.5-72.9)	48.7 (48.5-48.9)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.4

**One-, two- and five-year survival probabilities (cohort 2003-2007): Incident RRT patients, adjusted from day 91 to one, two, and five years + 90 days, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	96.7 (95.5-98.0)	96.2 (94.9-97.6)	93.9 (92.3-95.7)
20-44	96.4 (96.1-96.8)	93.2 (92.7-93.7)	86.7 (86.0-87.3)
45-64	90.5 (90.1-90.8)	83.0 (82.5-83.4)	64.9 (64.3-65.4)
65-74	82.5 (82.1-83.0)	70.0 (69.4-70.5)	40.5 (39.9-41.2)
75+	74.3 (73.8-74.9)	56.0 (55.4-56.7)	22.2 (21.6-22.8)
Men	89.9 (89.7-90.1)	81.5 (81.1-81.8)	59.4 (59.0-59.9)
Women	90.3 (90.0-90.5)	82.4 (82.0-82.8)	61.9 (61.4-62.5)
Diabetes	87.8 (87.4-88.2)	76.5 (76.0-77.1)	48.7 (48.0-49.4)
Hypertension / renal vascular disease	90.8 (90.4-91.1)	82.7 (82.2-83.2)	60.4 (59.7-61.2)
Glomerulonephritis	93.0 (92.5-93.5)	86.9 (86.3-87.5)	70.7 (69.8-71.6)
Other cause	89.2 (88.9-89.5)	81.3 (80.9-81.7)	61.4 (60.9-61.9)
All	90.1 (89.9-90.2)	81.8 (81.6-82.1)	60.4 (60.0-60.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.5

**90-day, one- and two-year survival probabilities (cohort 2006-2010): Incident RRT patients, unadjusted**  
*from day 1 to 90 days, one, and two years, by age, gender, and primary diagnosis*

	90 day Survival in % (95% CI)	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	99.1 (98.2-99.5)	97.1 (95.8-97.9)	96.0 (94.6-97.0)
20-44	99.1 (98.9-99.2)	96.7 (96.4-97.0)	93.8 (93.4-94.2)
45-64	96.9 (96.7-97.0)	90.0 (89.7-90.3)	83.0 (82.6-83.3)
65-74	93.5 (93.2-93.7)	80.9 (80.5-81.2)	68.7 (68.3-69.0)
75+	89.3 (89.0-89.6)	71.2 (70.8-71.6)	54.9 (54.5-55.2)
Men	94.3 (94.1-94.4)	83.3 (83.1-83.5)	72.6 (72.4-72.9)
Women	93.8 (93.5-94.0)	82.8 (82.5-83.1)	72.6 (72.2-72.9)
Diabetes	95.0 (94.8-95.3)	83.4 (83.0-83.8)	70.4 (70.0-70.8)
Hypertension / renal vascular disease	94.3 (93.9-94.6)	81.6 (81.1-82.1)	68.6 (68.1-69.1)
Glomerulonephritis	97.4 (97.1-97.7)	92.1 (91.6-92.5)	86.4 (85.9-87.0)
Other cause	93.2 (93.0-93.4)	82.0 (81.7-82.3)	72.5 (72.2-72.8)
All	94.1 (93.9-94.2)	83.1 (82.9-83.3)	72.6 (72.4-72.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.6

**90-day, one- and two-year survival probabilities (cohort 2006-2010): Incident RRT patients, adjusted from day 1 to 90 days, one, and two years, adjusted for age, gender, and primary diagnosis**

	90 day Survival in % (95% CI)	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	98.9 (98.2-99.6)	96.9 (95.8-98.1)	95.9 (94.7-97.2)
20-44	99.1 (98.9-99.2)	96.8 (96.4-97.1)	93.8 (93.4-94.2)
45-64	97.1 (96.9-97.3)	90.6 (90.3-90.9)	83.9 (83.5-84.3)
65-74	94.1 (93.8-94.4)	82.3 (81.8-82.8)	70.5 (70.0-71.1)
75+	90.0 (89.6-90.3)	72.6 (72.1-73.2)	56.7 (56.1-57.3)
Men	96.7 (96.6-96.8)	89.7 (89.5-89.9)	82.0 (81.7-82.3)
Women	96.5 (96.3-96.6)	89.6 (89.3-89.9)	82.5 (82.1-82.8)
Diabetes	96.7 (96.5-96.9)	88.5 (88.2-88.9)	78.6 (78.2-79.1)
Hypertension / renal vascular disease	97.2 (97.1-97.4)	90.7 (90.4-91.0)	83.1 (82.6-83.6)
Glomerulonephritis	97.8 (97.5-98.0)	93.1 (92.7-93.5)	87.8 (87.3-88.4)
Other cause	95.7 (95.6-95.9)	88.1 (87.9-88.4)	81.0 (80.6-81.3)
All	96.6 (96.5-96.7)	89.7 (89.5-89.8)	82.2 (82.0-82.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.7

**One- and two-year survival probabilities (cohort 2006-2010): Incident RRT patients, unadjusted**  
*from day 91 to one and two years + 90 days, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	97.3 (96.0-98.2)	96.3 (94.8-97.4)
20-44	96.9 (96.6-97.2)	93.9 (93.5-94.3)
45-64	90.9 (90.6-91.2)	83.8 (83.4-84.1)
65-74	83.1 (82.7-83.5)	70.4 (70.0-70.8)
75+	75.0 (74.6-75.4)	57.2 (56.9-57.6)
Men	85.3 (85.0-85.5)	74.2 (73.9-74.5)
Women	85.3 (85.0-85.6)	74.5 (74.2-74.9)
Diabetes	84.0 (83.6-84.4)	70.7 (70.3-71.2)
Hypertension / renal vascular disease	83.0 (82.5-83.5)	69.3 (68.7-69.8)
Glomerulonephritis	92.9 (92.5-93.4)	86.9 (86.4-87.5)
Other cause	85.1 (84.9-85.4)	75.2 (74.8-75.5)
All	85.3 (85.1-85.5)	74.3 (74.1-74.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.8

**One- and two-year survival probabilities (cohort 2006-2010): Incident RRT patients, adjusted from day 91 to one and two years + 90 days, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	97.2 (96.1-98.4)	96.2 (94.8-97.5)
20-44	96.9 (96.6-97.2)	93.9 (93.5-94.3)
45-64	91.4 (91.1-91.8)	84.7 (84.3-85.1)
65-74	84.3 (83.8-84.7)	72.4 (71.8-72.9)
75+	76.1 (75.6-76.7)	59.1 (58.5-59.7)
Men	90.7 (90.5-90.9)	82.9 (82.6-83.2)
Women	91.0 (90.7-91.2)	83.6 (83.2-83.9)
Diabetes	88.8 (88.5-89.2)	78.8 (78.3-79.3)
Hypertension / renal vascular disease	91.3 (90.9-91.6)	83.3 (82.8-83.8)
Glomerulonephritis	93.8 (93.4-94.2)	88.3 (87.7-88.9)
Other cause	90.1 (89.8-90.3)	82.7 (82.3-83.0)
All	90.8 (90.6-91.0)	83.2 (82.9-83.4)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.9

**90-day, one-, two- and five-year survival probabilities (cohort 2003-2007): Incident dialysis patients, unadjusted**  
*from day 1 to 90 days, one, two, and five years, by age, gender, and primary diagnosis*

	90 day Survival in % (95% CI)	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>				
0-19	99.0 (97.9-99.5)	95.9 (94.0-97.2)	94.9 (92.7-96.5)	91.4 (87.5-94.1)
20-44	98.8 (98.6-99.0)	95.6 (95.2-96.0)	91.3 (90.7-91.8)	79.3 (78.5-80.1)
45-64	96.3 (96.1-96.5)	88.4 (88.0-88.7)	79.5 (79.1-79.9)	55.5 (55.1-55.8)
65-74	92.6 (92.3-92.9)	78.5 (78.1-78.9)	65.1 (64.7-65.5)	35.2 (35.0-35.4)
75+	88.1 (87.7-88.4)	68.8 (68.5-69.2)	51.4 (51.1-51.7)	20.0 (19.9-20.1)
Men	93.5 (93.3-93.7)	81.1 (80.9-81.4)	68.4 (68.1-68.7)	39.5 (39.3-39.7)
Women	92.8 (92.6-93.1)	80.4 (80.0-80.7)	68.2 (67.9-68.6)	40.5 (40.3-40.7)
Diabetes	94.2 (93.9-94.5)	81.3 (80.8-81.7)	66.4 (66.0-66.8)	33.4 (33.2-33.7)
Hypertension / renal vascular disease	93.5 (93.1-93.9)	80.0 (79.5-80.5)	65.9 (65.4-66.4)	34.8 (34.5-35.1)
Glomerulonephritis	97.2 (96.9-97.5)	90.7 (90.1-91.2)	82.6 (81.9-83.2)	59.5 (58.8-60.1)
Other cause	92.3 (92.1-92.5)	79.4 (79.1-79.7)	67.7 (67.4-68.0)	41.7 (41.5-41.9)
All	93.3 (93.1-93.4)	80.9 (80.6-81.1)	68.3 (68.1-68.5)	39.9 (39.7-40.0)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)



Table A.6.10

**90-day, one-, two- and five-year survival probabilities (cohort 2003-2007): Incident dialysis patients, adjusted**  
*from day 1 to 90 days, one, two, and five years, adjusted for age, gender, and primary diagnosis*

	90 day Survival in % (95% CI)	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>				
0-19	98.9 (98.1-99.7)	95.7 (94.0-97.4)	94.7 (92.6-96.8)	90.7 (86.6-95.0)
20-44	98.9 (98.7-99.1)	95.7 (95.3-96.1)	91.3 (90.7-91.9)	78.3 (77.2-79.5)
45-64	96.5 (96.3-96.8)	89.0 (88.7-89.4)	80.5 (80.0-80.9)	56.1 (55.4-56.8)
65-74	93.2 (92.9-93.5)	79.9 (79.4-80.4)	66.9 (66.3-67.4)	36.7 (36.1-37.3)
75+	88.8 (88.4-89.1)	70.1 (69.5-70.7)	52.9 (52.2-53.5)	20.9 (20.4-21.5)
Men	95.7 (95.6-95.9)	86.9 (86.7-87.2)	77.2 (76.9-77.6)	51.5 (51.0-52.0)
Women	95.4 (95.2-95.6)	86.8 (86.5-87.1)	77.8 (77.3-78.2)	53.9 (53.3-54.5)
Diabetes	95.7 (95.5-96.0)	85.7 (85.3-86.2)	73.6 (73.0-74.1)	42.9 (42.2-43.6)
Hypertension / renal vascular disease	96.3 (96.0-96.5)	88.1 (87.7-88.5)	78.8 (78.2-79.4)	53.3 (52.4-54.1)
Glomerulonephritis	97.4 (97.2-97.7)	91.6 (91.1-92.1)	84.4 (83.7-85.1)	62.7 (61.7-63.9)
Other cause	94.6 (94.4-94.7)	85.1 (84.7-85.4)	76.0 (75.5-76.4)	52.8 (52.2-53.4)
All	95.6 (95.5-95.7)	86.9 (86.7-87.1)	77.5 (77.2-77.8)	52.5 (52.0-52.9)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.11

**One-, two- and five-year survival probabilities (cohort 2003-2007): Incident dialysis patients, unadjusted**  
*from day 91 to one, two, and five years + 90 days, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	96.3 (94.3-97.6)	95.6 (93.3-97.1)	92.4 (88.3-95.1)
20-44	95.9 (95.5-96.3)	91.4 (90.8-91.9)	79.0 (78.2-79.9)
45-64	89.3 (88.9-89.6)	80.3 (79.9-80.7)	55.5 (55.1-55.9)
65-74	81.0 (80.6-81.4)	67.5 (67.1-67.9)	35.8 (35.5-36.0)
75+	73.2 (72.8-73.6)	54.5 (54.1-54.8)	20.6 (20.5-20.7)
Men	83.3 (83.0-83.6)	70.3 (70.0-70.6)	39.9 (39.7-40.0)
Women	83.3 (82.9-83.6)	70.7 (70.3-71.1)	41.5 (41.2-41.7)
Diabetes	82.3 (81.8-82.7)	67.0 (66.5-67.4)	33.0 (32.8-33.3)
Hypertension / renal vascular disease	81.7 (81.1-82.2)	67.2 (66.7-67.7)	34.8 (34.5-35.1)
Glomerulonephritis	91.3 (90.7-91.8)	83.1 (82.5-83.8)	59.3 (58.6-60.0)
Other cause	82.8 (82.5-83.1)	70.9 (70.5-71.2)	43.0 (42.8-43.2)
All	83.3 (83.1-83.5)	70.4 (70.2-70.7)	40.5 (40.3-40.6)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.12

**One-, two- and five-year survival probabilities (cohort 2003-2007): Incident dialysis patients, adjusted from day 91 to one, two, and five years + 90 days, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	96.1 (94.4-97.9)	95.1 (92.8-97.3)	91.5 (87.4-95.8)
20-44	95.9 (95.5-96.3)	91.4 (90.8-92.0)	78.3 (77.1-79.4)
45-64	89.9 (89.5-90.2)	81.2 (80.7-81.7)	56.4 (55.7-57.2)
65-74	82.1 (81.6-82.6)	69.1 (68.5-69.7)	37.6 (37.0-38.3)
75+	74.1 (73.5-74.6)	55.6 (55.0-56.3)	21.7 (21.2-22.3)
Men	88.2 (87.9-88.4)	78.3 (77.9-78.6)	51.7 (51.1-52.2)
Women	88.5 (88.2-88.8)	79.2 (78.8-79.6)	54.5 (53.8-55.1)
Diabetes	86.3 (85.8-86.7)	73.7 (73.1-74.3)	42.4 (41.6-43.2)
Hypertension / renal vascular disease	88.9 (88.5-89.4)	79.3 (78.7-79.9)	53.0 (52.2-53.9)
Glomerulonephritis	92.1 (91.6-92.6)	84.8 (84.1-85.6)	62.8 (61.7-64.0)
Other cause	87.4 (87.1-87.7)	78.1 (77.6-78.5)	53.7 (53.1-54.3)
All	88.3 (88.1-88.5)	78.7 (78.3-79.0)	52.8 (52.3-53.3)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.13

**90-day, one- and two-year survival probabilities (cohort 2006-2010): Incident dialysis patients, unadjusted**  
*from day 1 to 90 days, one, and two years, by age, gender, and primary diagnosis*

	90 day Survival in % (95% CI)	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	98.8 (97.7-99.4)	96.0 (94.1-97.3)	93.8 (91.4-95.6)
20-44	99.0 (98.8-99.1)	96.2 (95.8-96.5)	91.9 (91.4-92.4)
45-64	96.7 (96.5-96.9)	89.3 (88.9-89.6)	81.0 (80.6-81.4)
65-74	93.4 (93.1-93.7)	80.6 (80.2-81.0)	68.0 (67.6-68.3)
75+	89.3 (89.0-89.6)	71.2 (70.8-71.5)	54.8 (54.5-55.1)
Men	94.1 (93.9-94.2)	82.4 (82.1-82.6)	70.4 (70.1-70.6)
Women	93.5 (93.3-93.7)	81.7 (81.4-82.1)	70.2 (69.8-70.5)
Diabetes	95.0 (94.7-95.2)	82.9 (82.5-83.3)	69.1 (68.6-69.5)
Hypertension / renal vascular disease	94.2 (93.9-94.5)	81.3 (80.8-81.8)	67.5 (67.0-68.0)
Glomerulonephritis	97.3 (97.0-97.6)	91.2 (90.7-91.7)	84.1 (83.5-84.7)
Other cause	92.9 (92.7-93.1)	80.8 (80.5-81.1)	69.8 (69.5-70.1)
All	93.9 (93.7-94.0)	82.1 (82.0-82.3)	70.3 (70.1-70.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.14

**90-day, one- and two-year survival probabilities (cohort 2006-2010): Incident dialysis patients, adjusted from day 1 to 90 days, one, and two years, adjusted for age, gender, and primary diagnosis**

	90 day Survival in % (95% CI)	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	98.6 (97.7-99.5)	95.8 (94.2-97.5)	93.8 (91.4-96.1)
20-44	99.0 (98.8-99.2)	96.2 (95.9-96.6)	92.0 (91.4-92.6)
45-64	96.9 (96.7-97.1)	89.9 (89.6-90.3)	82.0 (81.6-82.5)
65-74	94.0 (93.7-94.3)	81.9 (81.5-82.4)	69.7 (69.1-70.2)
75+	89.9 (89.6-90.3)	72.4 (71.9-73.0)	56.4 (55.8-57.0)
Men	96.2 (96.1-96.4)	88.3 (88.0-88.5)	79.5 (79.2-79.9)
Women	96.0 (95.8-96.1)	88.2 (87.9-88.5)	80.0 (79.5-80.4)
Diabetes	96.4 (96.2-96.6)	87.4 (87.0-87.8)	76.5 (76.0-77.1)
Hypertension / renal vascular disease	96.8 (96.6-97.0)	89.3 (89.0-89.7)	80.6 (80.1-81.2)
Glomerulonephritis	97.6 (97.3-97.8)	92.3 (91.8-92.8)	86.1 (85.4-86.7)
Other cause	95.1 (95.0-95.3)	86.6 (86.3-86.9)	78.3 (77.9-78.7)
All	96.1 (96.0-96.2)	88.3 (88.1-88.5)	79.7 (79.4-80.0)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.15

**One- and two-year survival probabilities (cohort 2006-2010): Incident dialysis patients, unadjusted**  
*from day 91 to one and two years + 90 days, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	96.6 (94.6-97.8)	94.4 (91.7-96.2)
20-44	96.3 (95.9-96.6)	91.9 (91.3-92.4)
45-64	90.1 (89.8-90.4)	81.7 (81.3-82.1)
65-74	82.8 (82.4-83.2)	69.6 (69.2-70.1)
75+	74.9 (74.5-75.3)	57.1 (56.8-57.5)
Men	84.3 (84.1-84.6)	71.8 (71.5-72.0)
Women	84.3 (84.0-84.6)	72.1 (71.7-72.5)
Diabetes	83.5 (83.1-83.9)	69.2 (68.8-69.7)
Hypertension / renal vascular disease	82.6 (82.1-83.1)	68.0 (67.5-68.5)
Glomerulonephritis	92.1 (91.6-92.5)	84.4 (83.8-85.1)
Other cause	84.0 (83.7-84.3)	72.4 (72.1-72.8)
All	84.3 (84.1-84.5)	71.9 (71.7-72.1)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.16

**One- and two-year survival probabilities (cohort 2006-2010): Incident dialysis patients, adjusted from day 91 to one and two years + 90 days, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	96.5 (94.9-98.2)	93.9 (91.3-96.6)
20-44	96.3 (95.9-96.7)	91.9 (91.3-92.5)
45-64	90.7 (90.4-91.1)	82.8 (82.3-83.2)
65-74	83.9 (83.4-84.3)	71.5 (70.9-72.0)
75+	75.9 (75.4-76.5)	58.8 (58.1-59.4)
Men	89.4 (89.1-89.6)	80.3 (80.0-80.7)
Women	89.6 (89.3-89.9)	81.0 (80.6-81.5)
Diabetes	87.7 (87.3-88.1)	76.5 (76.0-77.1)
Hypertension / renal vascular disease	89.9 (89.5-90.3)	80.7 (80.1-81.2)
Glomerulonephritis	93.0 (92.5-93.5)	86.4 (85.8-87.1)
Other cause	88.6 (88.3-88.9)	80.1 (79.7-80.5)
All	89.5 (89.3-89.7)	80.6 (80.3-80.9)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, 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 (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.17

**One-, two- and five-year survival probabilities (cohort 2003-2007): First transplant patients (deceased donor), unadjusted**  
*from day of transplant to one, two, and five years, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	98.2 (96.7-99.0)	97.5 (95.8-98.5)	95.3 (93.3-96.7)
20-44	97.9 (97.5-98.2)	97.0 (96.6-97.4)	93.9 (93.3-94.5)
45-64	95.1 (94.7-95.6)	92.8 (92.3-93.3)	84.8 (84.1-85.4)
65+	88.5 (87.1-89.8)	84.0 (82.5-85.5)	70.1 (68.5-71.6)
Men	95.2 (94.8-95.6)	93.2 (92.7-93.6)	86.2 (85.6-86.7)
Women	96.1 (95.6-96.5)	94.2 (93.7-94.8)	88.2 (87.5-88.9)
Diabetes	93.2 (92.2-94.1)	90.5 (89.4-91.4)	80.4 (79.1-81.6)
Hypertension / renal vascular disease	92.6 (91.3-93.7)	89.4 (88.1-90.7)	79.7 (78.1-81.2)
Glomerulonephritis	96.9 (96.3-97.4)	95.5 (94.8-96.1)	90.5 (89.6-91.3)
Other cause	96.2 (95.8-96.6)	94.5 (94.0-94.9)	88.7 (88.1-89.3)
All	95.6 (95.2-95.8)	93.6 (93.2-93.9)	86.9 (86.5-87.4)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)*



Table A.6.18

**One-, two- and five-year survival probabilities (cohort 2003-2007): First transplant patients (deceased donor), adjusted from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	98.1 (96.9-99.3)	97.3 (95.9-98.7)	95.0 (93.1-96.9)
20-44	98.0 (97.7-98.4)	97.2 (96.8-97.6)	94.4 (93.8-95.0)
45-64	95.6 (95.1-96.0)	93.4 (92.9-93.9)	86.0 (85.2-86.7)
65+	89.7 (88.3-91.1)	85.6 (84.0-87.3)	72.6 (70.5-74.8)
Men	97.1 (96.8-97.4)	95.8 (95.4-96.1)	91.1 (90.6-91.7)
Women	97.4 (97.1-97.8)	96.2 (95.8-96.6)	92.0 (91.4-92.6)
Diabetes	95.2 (94.5-95.9)	93.2 (92.4-94.1)	85.6 (84.3-86.9)
Hypertension / renal vascular disease	96.3 (95.6-96.9)	94.6 (93.8-95.4)	89.1 (88.0-90.3)
Glomerulonephritis	97.7 (97.3-98.1)	96.7 (96.2-97.2)	92.8 (92.1-93.6)
Other cause	97.4 (97.1-97.7)	96.1 (95.8-96.5)	91.9 (91.4-92.5)
All	97.2 (97.0-97.4)	96.0 (95.7-96.2)	91.5 (91.0-91.9)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.19

**One- and two-year survival probabilities (cohort 2006-2010): First transplant patients (deceased donor), unadjusted**  
*from day of transplant to one and two years, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	98.2 (96.6-99.1)	98.0 (96.4-98.9)
20-44	97.9 (97.5-98.2)	97.0 (96.5-97.4)
45-64	95.5 (95.1-95.9)	93.3 (92.9-93.8)
65+	90.5 (89.3-91.6)	86.4 (85.0-87.6)
Men	95.5 (95.1-95.9)	93.4 (92.9-93.8)
Women	96.3 (95.9-96.8)	94.9 (94.3-95.3)
Diabetes	93.9 (93.1-94.7)	91.6 (90.6-92.5)
Hypertension / renal vascular disease	93.5 (92.4-94.5)	90.7 (89.4-91.8)
Glomerulonephritis	97.3 (96.7-97.8)	95.8 (95.1-96.3)
Other cause	96.3 (95.9-96.7)	94.6 (94.1-95.0)
All	95.8 (95.5-96.1)	93.9 (93.6-94.2)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)*

Table A.6.20

**One- and two-year survival probabilities (cohort 2006-2010): First transplant patients (deceased donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19		
20-44	98.0 (97.7-98.4)	97.2 (96.8-97.6)
45-64	95.9 (95.5-96.3)	93.9 (93.4-94.4)
65+	91.6 (90.4-92.8)	87.8 (86.4-89.2)
Men	97.2 (96.9-97.5)	95.8 (95.5-96.2)
Women	97.5 (97.2-97.9)	96.5 (96.1-96.9)
Diabetes	95.7 (95.1-96.4)	94.0 (93.3-94.8)
Hypertension / renal vascular disease	96.5 (95.9-97.2)	94.9 (94.1-95.7)
Glomerulonephritis	98.1 (97.7-98.4)	96.9 (96.4-97.4)
Other cause	97.4 (97.1-97.7)	96.1 (95.7-96.5)
All	97.4 (97.1-97.6)	96.1 (95.8-96.4)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.21

**One-, two- and five-year survival probabilities (cohort 2003-2007): First transplant patients (living donor), unadjusted**  
*from day of transplant to one, two, and five years, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	98.2 (96.2-99.1)	98.2 (96.2-99.1)	96.8 (94.6-98.2)
20-44	99.2 (98.7-99.5)	98.7 (98.1-99.1)	97.5 (96.8-98.1)
45-64	97.2 (96.3-97.9)	95.7 (94.6-96.5)	90.9 (89.6-92.1)
65+	93.8 (90.0-96.1)	89.8 (85.6-92.8)	80.4 (75.9-84.2)
Men	97.9 (97.3-98.4)	96.9 (96.2-97.5)	93.6 (92.7-94.4)
Women	98.5 (97.8-98.9)	97.4 (96.5-98.0)	95.1 (94.0-96.0)
Diabetes	95.3 (92.7-97.0)	91.7 (88.7-94.0)	83.7 (80.3-86.7)
Hypertension / renal vascular disease	97.3 (95.1-98.5)	96.5 (94.2-97.9)	92.2 (89.2-94.3)
Glomerulonephritis	99.2 (98.5-99.6)	98.5 (97.7-99.1)	97.1 (96.0-97.9)
Other cause	98.2 (97.6-98.6)	97.4 (96.7-97.9)	94.8 (93.9-95.6)
All	98.1 (97.7-98.5)	97.1 (96.6-97.5)	94.2 (93.5-94.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.22

**One-, two- and five-year survival probabilities (cohort 2003-2007): First transplant patients (living donor), adjusted from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19			
20-44	99.3 (98.9-99.6)	98.7 (98.3-99.2)	97.7 (97.1-98.3)
45-64	97.5 (96.7-98.2)	96.0 (95.1-96.9)	91.7 (90.3-93.0)
65+	95.4 (92.8-98.1)	92.9 (89.7-96.3)	84.3 (79.7-89.3)
Men	98.4 (97.9-98.8)	97.6 (97.0-98.1)	94.8 (93.9-95.6)
Women	98.6 (98.0-99.1)	97.6 (96.9-98.3)	95.6 (94.7-96.6)
Diabetes	96.4 (94.7-98.1)	93.6 (91.4-95.9)	87.2 (84.1-90.4)
Hypertension / renal vascular disease	98.3 (97.3-99.4)	97.8 (96.6-99.0)	95.0 (93.2-96.9)
Glomerulonephritis	99.2 (98.7-99.7)	98.5 (97.8-99.2)	97.1 (96.1-98.1)
Other cause	98.2 (97.7-98.8)	97.4 (96.8-98.1)	94.8 (93.9-95.7)
All	98.5 (98.1-98.8)	97.6 (97.1-98.0)	95.1 (94.4-95.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.23

**One- and two-year survival probabilities (cohort 2006-2010): First transplant patients (living donor), unadjusted**  
*from day of transplant to one and two years, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	99.5 (98.1-99.9)	99.5 (98.1-99.9)
20-44	99.4 (99.0-99.6)	99.1 (98.7-99.4)
45-64	97.9 (97.3-98.4)	96.5 (95.8-97.1)
65+	94.8 (92.6-96.4)	91.6 (89.0-93.7)
Men	98.3 (97.9-98.7)	97.5 (97.0-97.9)
Women	98.6 (98.1-99.0)	97.5 (96.8-98.0)
Diabetes	96.4 (94.6-97.7)	94.1 (92.0-95.7)
Hypertension / renal vascular disease	96.1 (94.1-97.4)	94.9 (92.8-96.5)
Glomerulonephritis	99.1 (98.5-99.5)	98.6 (97.9-99.1)
Other cause	98.8 (98.4-99.1)	98.0 (97.5-98.4)
All	98.4 (98.1-98.7)	97.5 (97.1-97.9)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)*

Table A.6.24

**One- and two-year survival probabilities (cohort 2006-2010): First transplant patients (living donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19		
20-44	99.4 (99.1-99.7)	99.1 (98.8-99.5)
45-64	98.1 (97.6-98.6)	96.8 (96.2-97.5)
65+	95.4 (93.5-97.3)	92.9 (90.5-95.3)
Men	98.9 (98.7-99.2)	98.4 (98.1-98.8)
Women	99.0 (98.6-99.3)	98.1 (97.6-98.6)
Diabetes	97.8 (96.8-98.8)	96.3 (95.0-97.6)
Hypertension / renal vascular disease	98.0 (97.1-98.9)	97.4 (96.4-98.5)
Glomerulonephritis	99.2 (98.8-99.6)	98.8 (98.3-99.3)
Other cause	99.1 (98.8-99.4)	98.5 (98.1-98.8)
All	98.9 (98.7-99.2)	98.3 (98.0-98.6)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.25

**One-, two- and five-year survival probabilities (cohort 2003-2007): First graft (deceased donor), unadjusted**  
*from day of transplant to one, two, and five years, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	89.8 (87.3-91.9)	88.2 (85.6-90.4)	76.4 (73.5-78.9)
20-44	92.5 (91.8-93.1)	89.9 (89.1-90.5)	83.0 (82.1-83.7)
45-64	89.3 (88.7-89.9)	86.3 (85.6-86.9)	76.4 (75.7-77.1)
65+	81.7 (80.1-83.2)	77.2 (75.6-78.7)	62.5 (61.0-64.0)
Men	89.6 (89.1-90.2)	86.6 (86.0-87.1)	77.0 (76.3-77.6)
Women	89.8 (89.2-90.5)	87.0 (86.3-87.7)	78.1 (77.2-78.8)
Diabetes	88.9 (87.7-89.9)	85.2 (84.0-86.4)	73.4 (72.1-74.6)
Hypertension / renal vascular disease	86.0 (84.6-87.4)	82.4 (80.8-83.8)	69.9 (68.4-71.4)
Glomerulonephritis	90.6 (89.7-91.4)	87.9 (86.9-88.8)	79.5 (78.5-80.5)
Other cause	90.4 (89.8-90.9)	87.6 (86.9-88.2)	79.2 (78.5-79.9)
All	89.7 (89.3-90.1)	86.7 (86.3-87.2)	77.4 (76.9-77.9)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)*



Table A.6.26

**One-, two- and five-year survival probabilities (cohort 2003-2007): First graft (deceased donor), adjusted from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	89.4 (86.8-92.1)	87.7 (84.9-90.6)	75.4 (71.8-79.2)
20-44	92.7 (92.1-93.4)	90.2 (89.4-91.0)	83.5 (82.6-84.5)
45-64	89.7 (89.1-90.3)	86.8 (86.1-87.5)	77.2 (76.3-78.1)
65+	82.7 (80.9-84.6)	78.4 (76.4-80.4)	64.1 (61.8-66.5)
Men	91.0 (90.5-91.6)	88.3 (87.7-89.0)	79.7 (78.9-80.5)
Women	90.9 (90.2-91.6)	88.3 (87.6-89.1)	80.1 (79.1-81.1)
Diabetes	89.9 (88.7-91.0)	86.5 (85.2-87.8)	75.4 (73.8-77.1)
Hypertension / renal vascular disease	88.8 (87.5-90.2)	85.8 (84.3-87.4)	75.2 (73.3-77.2)
Glomerulonephritis	91.2 (90.3-92.0)	88.7 (87.7-89.6)	80.7 (79.5-81.9)
Other cause	91.2 (90.6-91.8)	88.6 (87.9-89.3)	80.8 (79.9-81.6)
All	91.0 (90.6-91.4)	88.3 (87.9-88.8)	79.9 (79.2-80.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.27

**One- and two-year survival probabilities (cohort 2006-2010): First graft (deceased donor), unadjusted**  
*from day of transplant to one and two years, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	91.4 (88.9-93.4)	88.4 (85.7-90.7)
20-44	93.1 (92.5-93.7)	91.0 (90.3-91.6)
45-64	90.2 (89.6-90.7)	87.3 (86.7-87.9)
65+	85.0 (83.6-86.3)	80.7 (79.3-82.1)
Men	90.7 (90.2-91.1)	87.7 (87.2-88.2)
Women	90.5 (89.8-91.1)	88.1 (87.3-88.7)
Diabetes	89.7 (88.7-90.7)	86.8 (85.6-87.8)
Hypertension / renal vascular disease	88.0 (86.6-89.3)	85.0 (83.5-86.3)
Glomerulonephritis	91.8 (91.0-92.5)	89.2 (88.3-90.0)
Other cause	90.9 (90.4-91.4)	88.2 (87.6-88.8)
All	90.6 (90.2-91.0)	87.8 (87.4-88.3)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.28

**One- and two-year survival probabilities (cohort 2006-2010): First graft (deceased donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	91.2 (88.7-93.8)	88.1 (85.3-91.1)
20-44	93.2 (92.6-93.9)	91.2 (90.4-91.9)
45-64	90.4 (89.8-91.0)	87.7 (87.0-88.3)
65+	85.8 (84.2-87.3)	81.5 (79.8-83.2)
Men	91.9 (91.4-92.4)	89.3 (88.7-89.9)
Women	91.5 (90.8-92.1)	89.2 (88.5-90.0)
Diabetes	90.7 (89.7-91.7)	88.0 (86.8-89.1)
Hypertension / renal vascular disease	90.2 (88.9-91.5)	87.5 (86.1-89.0)
Glomerulonephritis	92.4 (91.6-93.2)	90.0 (89.1-90.9)
Other cause	91.7 (91.1-92.3)	89.2 (88.6-89.8)
All	91.7 (91.3-92.2)	89.3 (88.8-89.7)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.29

**One-, two- and five-year survival probabilities (cohort 2003-2007): First graft (living donor), unadjusted**  
*from day of transplant to one, two, and five years, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	94.0 (91.3-95.9)	92.9 (90.1-95.0)	83.7 (80.3-86.6)
20-44	95.6 (94.7-96.3)	94.0 (93.0-94.8)	89.0 (87.8-90.1)
45-64	95.2 (94.1-96.1)	92.9 (91.7-94.0)	86.2 (84.7-87.6)
65+	91.1 (87.0-93.9)	86.7 (82.3-90.0)	77.8 (73.2-81.7)
Men	95.1 (94.3-95.8)	93.4 (92.4-94.2)	86.8 (85.7-87.9)
Women	95.0 (94.0-95.9)	92.8 (91.6-93.8)	87.2 (85.7-88.5)
Diabetes	92.8 (89.9-94.9)	88.7 (85.4-91.3)	77.7 (74.1-80.8)
Hypertension / renal vascular disease	93.8 (91.1-95.7)	91.7 (88.7-93.9)	82.8 (79.3-85.7)
Glomerulonephritis	96.4 (95.3-97.3)	94.1 (92.7-95.3)	89.1 (87.4-90.5)
Other cause	94.8 (93.9-95.6)	93.4 (92.4-94.3)	87.8 (86.6-88.9)
All	95.1 (94.5-95.7)	93.1 (92.4-93.8)	87.0 (86.1-87.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.30

**One-, two- and five-year survival probabilities (cohort 2003-2007): First graft (living donor), adjusted from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)	5 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>			
0-19	93.4 (90.8-96.0)	92.2 (89.5-95.1)	82.1 (78.1-86.3)
20-44	95.5 (94.7-96.4)	93.9 (92.9-94.9)	88.8 (87.5-90.2)
45-64	95.3 (94.3-96.3)	93.0 (91.8-94.3)	86.5 (84.9-88.2)
65+	92.5 (89.1-96.0)	89.4 (85.4-93.5)	81.3 (76.2-86.6)
Men	95.2 (94.4-96.0)	93.4 (92.4-94.3)	86.8 (85.5-88.1)
Women	94.8 (93.8-95.9)	92.6 (91.3-93.9)	86.9 (85.2-88.5)
Diabetes	92.9 (90.4-95.6)	88.9 (85.7-92.1)	77.9 (73.8-82.3)
Hypertension / renal vascular disease	94.0 (91.7-96.4)	92.0 (89.3-94.7)	83.3 (79.7-87.2)
Glomerulonephritis	96.3 (95.3-97.4)	94.0 (92.6-95.3)	88.8 (87.0-90.6)
Other cause	94.7 (93.8-95.6)	93.2 (92.2-94.2)	87.4 (86.1-88.8)
All	95.0 (94.4-95.7)	93.1 (92.3-93.8)	86.8 (85.8-87.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Table A.6.31

**One- and two-year survival probabilities (cohort 2006-2010): First graft (living donor), unadjusted**  
*from day of transplant to one and two years, by age, gender, and primary diagnosis*

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	96.1 (93.8-97.5)	94.6 (92.1-96.3)
20-44	96.1 (95.3-96.7)	94.4 (93.6-95.2)
45-64	95.7 (94.9-96.4)	93.7 (92.8-94.5)
65+	92.7 (90.2-94.6)	89.5 (86.7-91.7)
Men	95.6 (95.0-96.2)	94.1 (93.4-94.7)
Women	95.8 (94.9-96.5)	93.2 (92.2-94.1)
Diabetes	93.8 (91.6-95.4)	91.1 (88.7-93.0)
Hypertension / renal vascular disease	92.8 (90.4-94.6)	90.5 (87.9-92.5)
Glomerulonephritis	95.6 (94.6-96.5)	93.8 (92.6-94.8)
Other cause	96.3 (95.7-96.9)	94.7 (93.9-95.3)
All	95.7 (95.2-96.1)	93.8 (93.2-94.3)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)*

Table A.6.32

**One- and two-year survival probabilities (cohort 2006-2010): First graft (living donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis**

	1 year Survival in % (95% CI)	2 year Survival in % (95% CI)
<b>ALL COUNTRIES *</b>		
0-19	95.6 (93.5-97.7)	94.2 (91.9-96.7)
20-44	96.0 (95.3-96.7)	94.5 (93.6-95.3)
45-64	95.8 (95.0-96.5)	93.7 (92.8-94.7)
65+	93.0 (90.6-95.4)	90.2 (87.4-93.1)
Men	95.7 (95.1-96.3)	94.3 (93.6-95.1)
Women	95.7 (94.8-96.5)	93.0 (92.0-94.1)
Diabetes	94.0 (92.1-96.0)	91.4 (89.2-93.7)
Hypertension / renal vascular disease	93.2 (91.1-95.4)	91.0 (88.6-93.4)
Glomerulonephritis	95.5 (94.5-96.5)	93.6 (92.4-94.9)
Other cause	96.3 (95.7-96.9)	94.6 (93.9-95.4)
All	95.7 (95.2-96.2)	93.8 (93.2-94.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (All countries)

Figure A.6.1  
**Adjusted survival (cohort 2003-2007):  
 Incident dialysis patients and patients receiving  
 a first transplant (between 2003 and 2007)**  
*from day 91, by modality,  
 adjusted for age, gender, and primary diagnosis*

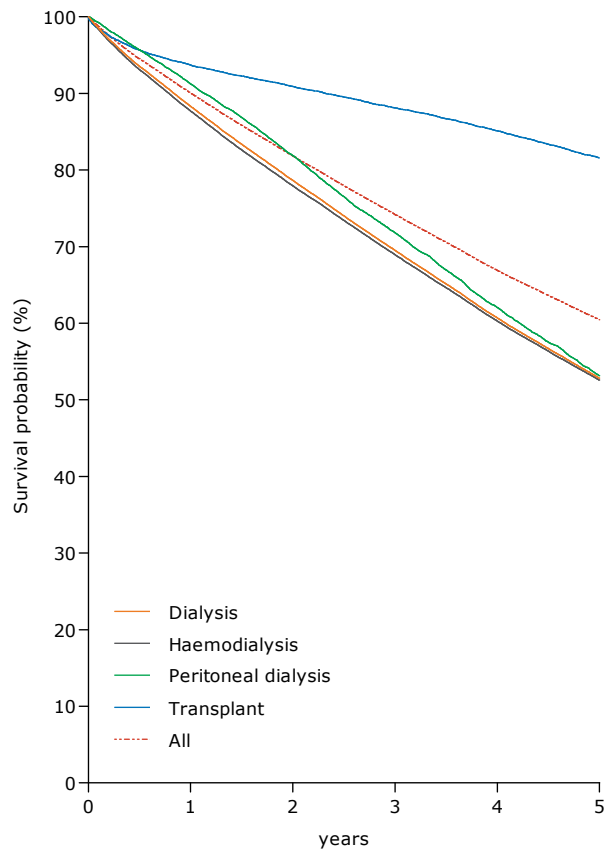


Figure A.6.2  
**Adjusted survival (cohort 2003-2007):  
 Incident haemodialysis patients**  
*from day 91, by primary diagnosis,  
 adjusted for age and gender*

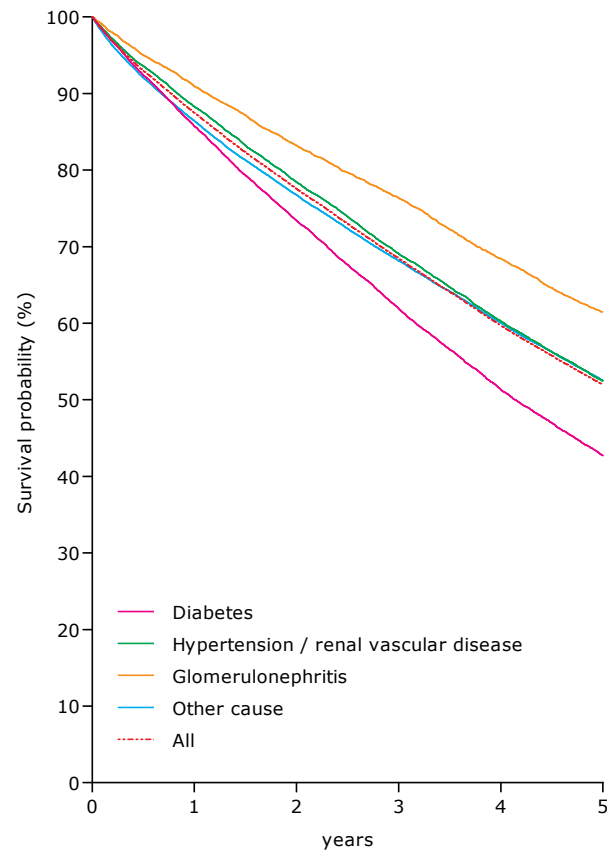


Figure A.6.3  
**Adjusted survival (cohort 2003-2007):  
 Incident peritoneal dialysis patients**  
*from day 91, by primary diagnosis,  
 adjusted for age and gender*

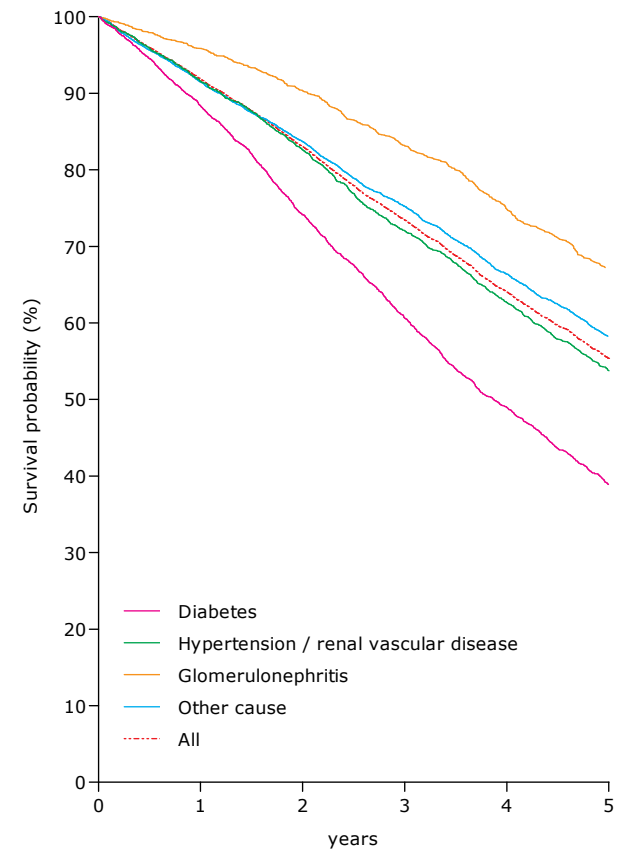




Table A.7.1

**Expected remaining lifetimes (years) of the general population in 2010, and of prevalent dialysis and transplant patients in 2011 and 2012 (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	80.4	78.0	82.7	0-19	37.2	37.2	37.4	0-19	60.3	59.8	61.1
5	75.7	73.3	78.0								
10	70.7	68.4	73.0								
15	65.8	63.4	68.1								
20	60.9	58.5	63.1	20-24	20.8	21.2	20.3	20-24	42.0	41.5	42.8
25	56.0	53.7	58.2	25-29	18.1	18.6	17.5	25-29	37.8	37.6	38.2
30	51.1	48.9	53.3	30-34	15.3	15.2	15.5	30-34	33.5	33.1	34.1
35	46.3	44.1	48.4	35-39	13.3	12.9	14.0	35-39	29.3	28.9	30.1
40	41.4	39.3	43.5	40-44	11.5	11.2	12.1	40-44	25.5	24.8	26.7
45	36.7	34.6	38.7	45-49	9.6	9.4	10.0	45-49	21.8	21.1	23.0
50	32.1	30.0	34.0	50-54	8.0	7.9	8.4	50-54	18.3	17.7	19.5
55	27.6	25.6	29.4	55-59	6.8	6.6	7.2	55-59	15.2	14.7	16.0
60	23.3	21.4	24.9	60-64	5.8	5.7	6.0	60-64	12.3	12.0	12.9
65	19.2	17.5	20.6	65-69	5.0	4.9	5.1	65-69	9.9	9.7	10.1
70	15.3	13.8	16.5	70-74	4.4	4.3	4.4	70-74	7.5	7.5	7.6
75	11.7	10.4	12.6	75-79	3.6	3.6	3.6	75-79	5.2	5.2	5.3
80	8.5	7.5	9.1	80-84	2.5	2.5	2.5				
85	5.9	5.2	6.3								

*Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Asturias), Spain (Basque Country), Spain (Cantabria), Spain (Catalonia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England and Wales), United Kingdom (Scotland)*



**III Reference Tables - Section B**

Table B.1.1  
**General population of the country/region and percent coverage of general population**

	General population of whole country/region in thousands	% Coverage of general population by the registry
Albania	2796	100
Czech Republic	10516	99.0
Estonia	1323	100
Georgia	4498	63.5
Israel	7911	100
Latvia	2024	85.0
Montenegro	620	100
Poland	38529	98.0
Portugal	10562	100
Russia	143347	99.0
Slovakia	5411	100
Spain (18 of 19 regions)	47265	98.6
Turkey	75623	100
Ukraine	45452	100

Table B.1.2

**Renal centres: total number of centres and number of collaborating centres**

	Total number of renal centres of whole country/region	Number of renal centres collaborating with the registry
Albania	8	8
Czech Republic	102	100
Estonia	3	3
Georgia	12	7
Israel	66	66
Latvia	22	20
Montenegro	10	10
Poland	277	274
Portugal	118	118
Russia	389	350
Slovakia	69	69
Spain (18 of 19 regions)	340	338
Turkey	1036	1036
Ukraine	97	97

Table B.2.1  
**Incident counts and incident rates per million population, unadjusted**  
*at day 1*

	All		Men		Women	
	N	Pmp	N	Pmp	N	Pmp
Albania	186	66.5	125	89.2	61	43.7
Czech Republic †	1703	163.6				
Estonia	107	80.9	55	89.0	52	73.8
Georgia	570	199.6	395	290.1	175	117.1
Israel	1446	182.8	888	226.8	558	139.7
Latvia	153	88.9	86	109.1	67	71.9
Montenegro	15	24.2	11	35.9	4	12.7
Poland	5082	134.6				
Portugal	2323	219.9				
Russia	6832	48.1	3725	56.7	3107	40.8
Slovakia †	899	166.1	507	192.3	392	141.3
Spain (18 of 19 regions)	5596	120.0	3582	155.9	2014	85.2
Turkey	10480	138.6				
Ukraine	1255	27.6	733	34.9	522	21.3

*Categories may not add up to total or to 100% because of missing values*

*When cells are left empty, the data are unavailable*

*† Data include dialysis patients only*

Table B.2.2  
**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	52.3	14.9	54.0	67.2	53.2	14.5	55.0	32.8	50.5	15.4	51.0
Czech Republic												
Estonia	100	59.8	16.5	64.0	51.4	57.5	14.7	58.0	48.6	62.2	18.0	68.5
Georgia	100	59.1	14.1	61.0	69.3	58.7	13.8	60.0	30.7	60.2	14.7	62.0
Israel	100	66.0	16.0	68.5	61.4	65.9	15.6	67.9	38.6	66.3	16.6	69.5
Latvia	100	60.8	16.0	63.0	56.2	58.6	16.2	62.0	43.8	63.6	15.4	65.0
Montenegro	100	51.0	8.9	47.0	73.3	50.6	9.2	47.0	26.7	52.0	9.1	52.0
Poland												
Portugal												
Russia	100	51.3	16.0	54.0	54.5	50.6	16.1	53.0	45.5	52.7	15.8	55.0
Slovakia †	100	63.1	13.5	65.0	56.4	61.4	13.4	62.0	43.6	65.3	13.3	68.0
Spain (18 of 19 regions)	100	62.4	0.9	66.9	64.0	62.3	1.1	66.7	36.0	62.4	1.5	67.2
Turkey ‡	100				56.1				43.9			
Ukraine	100				58.4				41.6			

*Categories may not add up to total or to 100% because of missing values or rounding off*

*When cells are left empty, the data are unavailable*

*† Data include dialysis patients only*

*‡ Data include haemodialysis patients only (n=8552)*

Table B.2.3  
**Incident rates per million population, adjusted**  
*at day 1, adjusted for age and gender*

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	75.4	93.6	57.7
Czech Republic			
Estonia	80.2	93.9	69.5
Georgia	227.5	349.3	128.7
Israel	280.5	343.4	216.0
Latvia			
Montenegro	26.0	39.5	13.3
Poland			
Portugal			
Russia			
Slovakia †	188.6	227.6	156.6
Spain (18 of 19 regions)	116.4	148.3	83.4
Turkey			
Ukraine			

*When cells are left empty, the data are unavailable*

*† Data include dialysis patients only*



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

	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	%
Albania	66.5	100	11.8	17.7	18.2	27.4	6.1	9.1	2.5	3.8	4.3	6.5	6.8	10.2	3.6	5.4	1.4	2.2	6.4	9.7	12.2	18.3	0	0
Czech Republic																								
Estonia ¶	80.9	100	7.6	9.3	11.3	14.0	6.8	8.4	11.3	14.0	6.0	7.5	17.4	21.5	24.9	30.8	0	0	12.8	15.9	0	0	0	0
Georgia	199.6	100	15.4	7.7	4.9	2.5	14.4	7.2	4.2	2.1	43.1	21.6	47.3	23.7	9.5	4.7	1.1	0.5	48.7	24.4	44.5	22.3	14.0	7.0
Israel	182.8	100	9.6	5.3	5.4	3.0	4.3	2.4	56.3	30.8	33.1	18.1	89.4	48.9	16.2	8.9	3.4	1.9	23.3	12.7	25.2	13.8	6.1	3.3
Latvia	88.9	100	14.0	15.7	11.6	13.1	6.4	7.2	2.9	3.3	15.1	17.0	18.0	20.3	4.1	4.6	0.6	0.7	15.7	17.6	18.6	20.9	0	0
Montenegro	24.2	100	8.1	33.3	0	0	0	0	0	0	6.5	26.7	6.5	26.7	8.1	33.3	0	0	1.6	6.7	0	0	0	0
Poland	134.6	100	22.9	17.0	3.7	2.8	5.3	4.0					33.8	25.1	24.1	17.9	0.7	0.5	8.8	6.6	22.0	16.3	13.2	9.8
Portugal & +	219.9	100	22.2	10.1			9.0	4.1					68.5	31.1	31.5	14.3			40.3	18.3	44.0	20.0	4.4	2.0
Russia	48.1	100	11.8	24.6	5.7	11.8	4.0	8.3	3.1	6.5	5.1	10.6	8.2	17.0	3.8	7.8	0.1	0.2	8.3	17.3	6.2	12.9	0	0
Slovakia †	166.1	100	15.9	9.6	16.6	10.0	7.2	4.3					64.5	38.8	11.3	6.8	6.7	4.0	41.2	24.8	2.8	1.7	0	0
Spain (18 of 19 regions) ¶	120.0	100	15.4	12.8	10.0	8.3	8.3	6.9					29.9	24.9	19.2	16.0			11.6	9.7	25.6	21.3	0	0
Turkey ‡	113.1	100	8.3	7.3	3.0	2.7	4.8	4.2	5.5	4.8	35.8	31.7	41.3	36.5	31.0	27.5	1.1	0.9	11.6	10.3	11.9	10.5	0	0
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  
 When cells are left empty, the data are unavailable

† Data include dialysis patients only

‡ Data include haemodialysis patients only (n=8552)

& 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 B.3.1  
**Incident counts and incident rates per million population, unadjusted**  
*at day 91*

	All		Men		Women	
	N	Pmp	N	Pmp	N	Pmp
Albania	177	63.3	116	82.8	61	43.7
Czech Republic †	1396	134.1				
Estonia	105	79.4	53	85.8	52	73.8
Georgia	475	166.3	323	237.2	152	101.7
Israel	1356	171.4	833	212.7	523	130.9
Latvia	138	80.2	78	99.0	60	64.3
Montenegro	13	21.0	10	32.7	3	9.6
Poland						
Portugal	2190	207.3				
Russia						
Slovakia †	772	142.7	429	162.7	343	123.6
Spain (18 of 19 regions)						
Turkey						
Ukraine						

*Categories may not add up to total or to 100% because of missing values*

*When cells are left empty, the data are unavailable*

*† Data include dialysis patients only*

Table B.3.2  
**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	51.6	14.8	53.0	65.5	52.3	14.4	54.0	34.5	50.3	15.7	51.0
Czech Republic												
Estonia	100	59.6	16.6	63.0	50.5	57.1	14.9	57.0	49.5	62.2	18.0	68.5
Georgia	100	59.0	14.4	60.8	68.0	58.6	13.9	59.8	32.0	60.0	14.9	61.8
Israel	100	65.5	16.2	68.0	61.4	65.4	15.8	67.0	38.6	65.7	16.8	68.9
Latvia	100	60.2	15.6	63.0	56.5	57.5	16.3	61.0	43.5	63.8	14.2	64.0
Montenegro	100	51.6	8.5	47.0	76.9	52.0	8.5	49.5	23.1	50.3	10.4	47.0
Poland												
Portugal												
Russia												
Slovakia †	100	62.7	13.5	64.0	55.6	61.0	13.2	62.0	44.4	64.8	13.6	67.0
Spain (18 of 19 regions)												
Turkey												
Ukraine												

*Categories may not add up to total or to 100% because of missing values or rounding off*

*When cells are left empty, the data are unavailable*

*† Data include dialysis patients only*

Table B.3.3  
**Incident rates per million population, adjusted**  
*at day 91, adjusted for age and gender*

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	72.5	96.5	48.5
Czech Republic			
Estonia	78.6	90.0	69.5
Georgia	189.0	285.8	110.5
Israel	261.4	320.2	201.1
Latvia			
Montenegro	22.7	36.0	10.2
Poland			
Portugal			
Russia			
Slovakia †	160.6	190.0	136.2
Spain (18 of 19 regions)			
Turkey			
Ukraine			

*When cells are left empty, the data are unavailable*

*† Data include dialysis patients only*

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

	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	%
Albania	63.3	100	10.4	16.4	17.5	27.7	6.1	9.6	2.5	4.0	3.6	5.6	6.1	9.6	3.6	5.6	1.4	2.3	6.1	9.6	12.2	19.2	0	0
Czech Republic																								
Estonia	79.4	100	7.6	9.5	11.3	14.3	6.8	8.6	11.3	14.3	6.0	7.6	17.4	21.9	24.9	31.4	0	0	11.3	14.3	0	0	0	0
Georgia	166.3	100	13.7	8.2	4.2	2.5	13.7	8.2	3.2	1.9	36.4	21.9	39.6	23.8	8.4	5.1	1.1	0.6	38.5	23.2	38.9	23.4	8.4	5.1
Israel	171.4	100	9.6	5.6	5.3	3.1	4.2	2.4	51.5	30.0	32.5	19.0	83.9	49.0	15.5	9.1	3.3	1.9	21.7	12.7	23.0	13.4	4.8	2.8
Latvia	80.2	100	12.8	15.9	11.0	13.8	6.4	8.0	2.9	3.6	14.5	18.1	17.4	21.7	4.1	5.1	0.6	0.7	14.5	18.1	13.4	16.7	0	0
Montenegro	21.0	100	6.5	30.8	0	0	0	0	0	0	6.5	30.8	6.5	30.8	8.1	38.5	0	0	0	0	0	0	0	0
Poland																								
Portugal																								
Russia																								
Slovakia †	142.7	100	14.6	10.2	15.0	10.5	6.1	4.3					55.4	38.9	10.7	7.5	5.5	3.9	33.6	23.6	1.7	1.2	0	0
Spain (18 of 19 regions)																								
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  
 When cells are left empty, the data are unavailable  
 † Data include dialysis patients only

Table B.3.5

**Incident counts***at day 91, by established therapy*

	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	177	162	0	0	0	0	162	0	13	0	13	2	0	0	2	0
Czech Republic †	1396			1312			1312			84	84					0
Estonia	105	49	0	0	0	32	81	8	14	0	22	0	2	0	2	0
Georgia	475	409	0	0	0	0	409	58	2	0	60	3	0	0	3	3
Israel	1356	1216	0	0	0	0	1216	49	47	1	97	33	1	9	43	0
Latvia	138	111	0	0			111			27	27	0	0	0	0	0
Montenegro	13	13	0	0	0	0	13	0	0	0	0	0	0	0	0	0
Poland																
Portugal #	2190			1951			1951			220	220	19	0	0	19	0
Russia																
Slovakia †	772	382	0	0	0	358	740	14	18	0	32					0
Spain (18 of 19 regions)																
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

† Data include dialysis patients only

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

Table B.3.6  
**Incident rates per million population, unadjusted**  
*at day 91, by established therapy*

	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	Pmp	Pmp
Albania	63.3	57.9	0	0	0	0	57.9	0	4.6	0	4.6	0.7	0	0	0.7	0
Czech Republic †	134.1			126.0			126.0			8.1	8.1					0
Estonia	79.4	37.0	0	0	0	24.2	61.2	6.0	10.6	0	16.6	0	1.5	0	1.5	0
Georgia	166.3	143.2	0	0	0	0	143.2	20.3	0.7	0	21.0	1.1	0	0	1.1	1.1
Israel	171.4	153.7	0	0	0	0	153.7	6.2	5.9	0.1	12.3	4.2	0.1	1.1	5.4	0
Latvia	80.2	64.5	0	0			64.5			15.7	15.7	0	0	0	0	0
Montenegro	21.0	21.0	0	0	0	0	21.0	0	0	0	0	0	0	0	0	0
Poland																
Portugal #	207.3			184.7			184.7			20.8	20.8	1.8	0	0	1.8	0
Russia																
Slovakia †	142.7	70.6	0	0	0	66.2	136.8	2.6	3.3	0	5.9					0
Spain (18 of 19 regions)																
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

† Data include dialysis patients only

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

Table B.3.7  
**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	91.5	0	0	0	0	91.5	0	7.3	0	7.3	1.1	0	0	1.1	0
Czech Republic †	100			94.0			94.0			6.0	6.0					0
Estonia	100	46.7	0	0	0	30.5	77.1	7.6	13.3	0	21.0	0	1.9	0	1.9	0
Georgia	100	86.1	0	0	0	0	86.1	12.2	0.4	0	12.6	0.6	0	0	0.6	0.6
Israel	100	89.7	0	0	0	0	89.7	3.6	3.5	0.1	7.2	2.4	0.1	0.7	3.2	0
Latvia	100	80.4	0	0			80.4			19.6	19.6	0	0	0	0	0
Montenegro	100	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0
Poland																
Portugal #	100			89.1			89.1			10.0	10.0	0.9	0	0	0.9	0
Russia																
Slovakia †	100	49.5	0	0	0	46.4	95.9	1.8	2.3	0	4.1					0
Spain (18 of 19 regions)																
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

† Data include dialysis patients only

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



Table B.4.1  
**Prevalent counts and prevalence per million population, unadjusted**  
*prevalent patients on December 31*

	All		Men		Women	
	N	Pmp	N	Pmp	N	Pmp
Albania	909	325.1	590	421.1	319	228.7
Czech Republic	10371	996.2				
Estonia	733	554.0	410	663.4	323	458.2
Georgia	1559	545.8	1086	797.7	473	316.4
Israel †	5795	732.6	3492	891.7	2303	576.6
Latvia	926	538.2	484	614.3	442	474.0
Montenegro	192	309.7	113	369.3	79	251.6
Poland	28226	747.5				
Portugal	17641	1670.2	10560	1914.8	7039	1394.7
Russia	30349	213.9	13903	211.6	16446	215.8
Slovakia †	3220	595.1	1827	693.1	1393	502.0
Spain (18 of 19 regions)	50909	1092.1	31621	1376.0	19288	816.0
Turkey	61677	815.6				
Ukraine	6669	146.7	3757	179.1	2912	119.0

*Categories may not add up to total or to 100% because of missing values*

*When cells are left empty, the data are unavailable*

*† Data include dialysis patients only*

Table B.4.2  
**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	46.5	14.3	48.0	64.9	47.2	14.4	48.0	35.1	45.2	14.0	47.0
Czech Republic												
Estonia	100	55.0	15.4	56.0	55.9	54.0	15.0	57.0	44.1	56.2	16.0	55.0
Georgia	100	55.5	14.1	55.8	69.7	54.9	13.7	54.2	30.3	56.8	14.1	58.2
Israel †	100	61.2	17.0	64.1	60.3	61.1	17.0	63.5	39.7	61.5	17.0	65.0
Latvia	100	54.3	15.9	55.0	52.3	53.1	16.4	53.0	47.7	55.6	15.2	57.0
Montenegro	100	54.9	13.2	57.0	58.9	55.7	12.2	57.0	41.1	53.7	14.5	57.0
Poland												
Portugal	100	65.9			59.9				39.9			
Russia	100	51.5	16.0	54.0	45.8	50.6	16.1	53.0	54.2	52.7	15.8	55.0
Slovakia †	100	62.5	13.7	64.0	56.7	61.2	13.3	62.0	43.3	64.1	13.9	66.0
Spain (18 of 19 regions)	100	58.7	0.3	61.6	62.1	58.5	0.4	61.1	37.9	59.1	0.5	62.3
Turkey	100				55.7				45.3			
Ukraine	100				56.3				43.7			

*Categories may not add up to total or to 100% because of missing values or rounding off*

*When cells are left empty, the data are unavailable*

*† Data include dialysis patients only*

Table B.4.3

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

	All	Men	Women
	Pmp	Pmp	Pmp
Albania	356.5	472.3	243.5
Czech Republic			
Estonia	554.0	700.3	444.3
Georgia	622.1	953.8	351.3
Israel †	1077.3	1308.1	846.0
Latvia			
Montenegro	329.1	404.8	259.4
Poland			
Portugal			
Russia			
Slovakia †	668.4	813.2	550.9
Spain (18 of 19 regions)	1068.3	1329.4	803.5
Turkey			
Ukraine	144.4	181.1	115.4

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

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

	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	%
Albania	325.1	100	64.4	19.8	82.3	25.3	19.0	5.8	5.4	1.7	18.2	5.6	23.6	7.3	13.2	4.1	14.7	4.5	28.6	8.8	79.4	24.4	0	0
Czech Republic																								
Estonia ¶	554.0	100	146.6	26.5	97.5	17.6	49.9	9.0	81.6	14.7	27.2	4.9	108.8	19.6	93.7	16.9	0	0	57.4	10.4	0	0	0	0
Georgia	545.8	100	40.3	7.4	14.4	2.6	43.1	7.9	10.2	1.9	129.2	23.7	139.3	25.5	29.1	5.3	3.9	0.7	119.0	21.8	143.5	26.3	13.3	2.4
Israel †	732.6	100	68.0	9.3	29.2	4.0	27.7	3.8	206.2	28.1	123.1	16.8	329.3	45.0	70.7	9.6	16.6	2.3	82.8	11.3	104.5	14.3	3.8	0.5
Latvia	538.2	100	193.6	36.0	69.2	12.9	61.0	11.3					57.0	10.6	42.4	7.9	0.6	0.1	81.4	15.1	33.1	6.2	0	0
Montenegro	309.7	100	77.4	25.0	11.3	3.6	16.1	5.2	24.2	7.8	32.3	10.4	56.5	18.2	100.0	32.3	3.2	1.0	32.3	10.4	12.9	4.2	0	0
Poland □	747.5	100	82.2	11.0	55.0	7.4	38.6	5.2					115.6	15.5	70.7	9.5	0.8	0.1	63.1	8.4	44.3	5.9	277.1	37.1
Portugal & + □	1670.2	100	122.7	7.3			67.0	4.0					290.9	17.4	161.2	9.7			207.4	12.4	209.3	12.5	611.5	36.6
Russia	213.9	100	85.8	40.1	23.5	11.0	21.1	9.8	13.0	6.1	11.7	5.4	24.7	11.5	11.4	5.3	1.2	0.6	27.8	13.0	18.4	8.6	0	0
Slovakia †	595.1	100	73.4	12.3	75.6	12.7	31.4	5.3					196.6	33.0	41.8	7.0	22.2	3.7	145.1	24.4	9.1	1.5	0	0
Spain (18 of 19 regions) ¶	1092.1	100	208.5	19.1	125.6	11.5	105.3	9.6					170.4	15.6	132.7	12.2			113.0	10.3	222.8	20.4	13.7	1.3
Turkey																								
Ukraine +	146.7	100	72.2	49.2	19.8	13.5	13.8	9.4					19.5	13.3	5.1	3.5			14.4	9.8			1.7	1.2

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

† Data include dialysis patients only

□ Data on cause of renal failure are available for dialysis patients only (transplant patients are included into missing)

& 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 B.4.5

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

	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	N	N
Albania	909	656	0	0	0	0	656	0	50	0	50	162	39	2	203	0
Czech Republic	10371	2421	0	0	354	2997	5772			489	489			4110	4110	0
Estonia	733	99	0	0	3	155	257	20	22	0	42	38	396	0	434	0
Georgia	1559	1368	0	0	0	0	1368	38	4	0	42	139	0	0	139	10
Israel †	5795	5466	0	0	0	0	5466	182	143	4	329					0
Latvia	926	336	0	0	0	0	336			91	91	15	484	0	499	0
Montenegro	192	98	0	0	0	4	102	0	6	0	6	51	16	17	84	0
Poland	28226	17517	0	0	0	0	17517	446	663	0	1109			9600	9600	0
Portugal	17641	5405	0	0	0	5132	10537	307	435	0	742			6362	6362	0
Russia	30349	22256	0	0	0	0	22256	99	1768	0	1867	949	5277	0	6226	0
Slovakia †	3220	1185	0	0	0	1940	3125	34	61	0	95					0
Spain (18 of 19 regions)	50909			22296			22296			2759	2759			25854	25854	0
Turkey																
Ukraine	6669			4952			4952			877	877	487	353	0	840	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 B.4.6

**Prevalence per million population, unadjusted***prevalent patients on December 31, by established therapy*

	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	Pmp	Pmp
Albania	325.1	234.6	0	0	0	0	234.6	0	17.9	0	17.9	57.9	13.9	0.7	72.6	0
Czech Republic	996.2	232.5	0	0	34.0	287.9	554.4			47.0	47.0			394.8	394.8	0
Estonia	554.0	74.8	0	0	2.3	117.2	194.3	15.1	16.6	0	31.7	28.7	299.3	0	328.0	0
Georgia	545.8	479.0	0	0	0	0	479.0	13.3	1.4	0	14.7	48.7	0	0	48.7	3.5
Israel †	732.6	691.0	0	0	0	0	691.0	23.0	18.1	0.5	41.6					0
Latvia	538.2	195.3	0	0	0	0	195.3			52.9	52.9	8.7	281.3	0	290.0	0
Montenegro	309.7	158.1	0	0	0	6.5	164.5	0	9.7	0	9.7	82.3	25.8	27.4	135.5	0
Poland	747.5	463.9	0	0	0	0	463.9	11.8	17.6	0	29.4			254.2	254.2	0
Portugal	1670.2	511.7	0	0	0	485.9	997.6	29.1	41.2	0	70.3			602.3	602.3	0
Russia	213.9	156.8	0	0	0	0	156.8	0.7	12.5	0	13.2	6.7	37.2	0	43.9	0
Slovakia †	595.1	219.0	0	0	0	358.5	577.5	6.3	11.3	0	17.6					0
Spain (18 of 19 regions)	1092.1			478.3			478.3			59.2	59.2			554.6	554.6	0
Turkey																
Ukraine	146.7			109.0			109.0			19.3	19.3	10.7	7.8	0	18.5	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  
When cells are left empty, the data are unavailable

† Data include dialysis patients only

Table B.4.7  
**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	72.2	0	0	0	0	72.2	0	5.5	0	5.5	17.8	4.3	0.2	22.3	0
Czech Republic	100	23.3	0	0	3.4	28.9	55.7			4.7	4.7			39.6	39.6	0
Estonia	100	13.5	0	0	0.4	21.1	35.1	2.7	3.0	0	5.7	5.2	54.0	0	59.2	0
Georgia	100	87.7	0	0	0	0	87.7	2.4	0.3	0	2.7	8.9	0	0	8.9	0.6
Israel †	100	94.3	0	0	0	0	94.3	3.1	2.5	0.1	5.7					0
Latvia	100	36.3	0	0	0	0	36.3			9.8	9.8	1.6	52.3	0	53.9	0
Montenegro	100	51.0	0	0	0	2.1	53.1	0	3.1	0	3.1	26.6	8.3	8.9	43.8	0
Poland	100	62.1	0	0	0	0	62.1	1.6	2.3	0	3.9			34.0	34.0	0
Portugal	100	30.6	0	0	0	29.1	59.7	1.7	2.5	0	4.2			36.1	36.1	0
Russia	100	73.3	0	0	0	0	73.3	0.3	5.8	0	6.2	3.1	17.4	0	20.5	0
Slovakia †	100	36.8	0	0	0	60.2	97.0	1.1	1.9	0	3.0					0
Spain (18 of 19 regions)	100			43.8			43.8			5.4	5.4			50.8	50.8	0
Turkey																
Ukraine	100			74.3			74.3			13.2	13.2	7.3	5.3	0	12.6	0

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

Table B.5.1  
**Renal transplants performed in 2012, numbers and percentages**  
*by donor type*

	Total		Living								Deceased		Donor type Unkn	
	N	%	Related		Unrelated		Type Unkn		All		N	%	N	%
			N	%	N	%	N	%	N	%				
Albania	6	100	0	0	3	50.0	2	33.3	5	83.3	1	16.7	0	0
Czech Republic	432	100					71	16.4	71	16.4	361	83.6	0	0
Estonia	59	100	1	1.7	0	0	0	0	1	1.7	58	98.3	0	0
Georgia	17	100	16	94.1	1	5.9	0	0	17	100	0	0	0	0
Israel	225	100	0	0	0	0	108	48.0	108	48.0	70	31.1	47	20.9
Latvia	55	100	3	5.5	2	3.6	0	0	5	9.1	50	90.9	0	0
Montenegro	6	100	5	83.3	0	0	0	0	5	83.3	1	16.7	0	0
Poland	1145	100	51	4.5	0	0	0	0	51	4.5	1094	95.5	0	0
Portugal	429	100					47	11.0	47	11.0	382	89.0	0	0
Russia	941	100	195	20.7	0	0	0	0	195	20.7	746	79.3	0	0
Slovakia +	133	100	3	2.3	0	0	0	0	3	2.3	130	97.7	0	0
Spain (18 of 19 regions) □	2551	100					361	14.2	361	14.2	2190	85.8	0	0
Turkey														
Ukraine	100	100	72	72.0	4	4.0	0	0	76	76.0	24	24.0	0	0

*Categories may not add up to total or to 100% because of missing values or rounding off*

*When cells are left empty, the data are unavailable*

*+ Data from: Slovak Centre of Organ Transplantation*

*□ Data from: Organización Nacional de Trasplantes (ONT), 2012 from total Spanish population*



Table B.5.2  
**Renal transplants performed in 2012, per million population**  
*by donor type*

	Total	Living				Deceased	Donor type Unkn
		Related	Unrelated	Type Unkn	All		
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	2.1	0	1.1	0.7	1.8	0.4	0
Czech Republic	41.5			6.8	6.8	34.7	0
Estonia	44.6	0.8	0	0	0.8	43.8	0
Georgia	6.0	5.6	0.4	0	6.0	0	0
Israel	28.4	0	0	13.7	13.7	8.8	5.9
Latvia	32.0	1.7	1.2	0	2.9	29.1	0
Montenegro	9.7	8.1	0	0	8.1	1.6	0
Poland	30.3	1.4	0	0	1.4	29.0	0
Portugal	40.6			4.4	4.4	36.2	0
Russia	6.6	1.4	0	0	1.4	5.3	0
Slovakia +	24.6	0.6	0	0	0.6	24.0	0
Spain (18 of 19 regions) □	54.0			7.6	7.6	46.3	0
Turkey							
Ukraine	2.2	1.6	0.1	0	1.7	0.5	0

*Categories may not add up to total or to 100% because of missing values or rounding off*

*When cells are left empty, the data are unavailable*

*+ Data from: Slovak Centre of Organ Transplantation*

*□ Data from: Organización Nacional de Trasplantes (ONT), 2012 from total Spanish population*



**IV Summary Data**



## IV Summary Data

The summary data on the incidence and prevalence of renal replacement therapy in 2012 are based on data of national or regional registries that provided individual patient data for Section A or aggregated patient data for Section B of this annual report.

Table S.1.1

### Section A - Summary data from registries providing individual patient data

	General population covered by the registry in thousands	Incidence in 2012, at day 1				Prevalence on December 31, 2012			
		Total N	Total Pmp	DM N	DM Pmp	Total N	Total Pmp	DM N	DM Pmp
Austria	8443	1182	140	306	36	8635	1023	1772	210
Belgium, Dutch-speaking *	6366	1198	188	224	35	7679	1206	1383	217
Belgium, French-speaking *	4701	885	188	195	42	5883	1251	1008	214
Bosnia and Herzegovina	3508	440	125	127	36	2519	718	426	121
Croatia	4269	675	158	160	38	4411	1033	801	188
Denmark	5648	702	124	195	35	4927	872	848	150
Finland	5414	438	81	148	27	4373	808	1135	210
France	65443	10063	154	2165	33	74521	1139	11099	170
Greece	11093	2326	210	603	54	12598	1136	2345	211
Iceland	321	19	59	0	0	219	683	25	78
Norway	5019	516	103	85	17	4453	887	552	110
Romania //	19256	2899	151	379	20	14747	766	1502	78
Serbia	7199	884	123	215	30	5414	752	768	107
Slovenia	2057	251	122	69	34	2048	996	325	158
Spain, Andalusia	8385	992	118	235	28	8905	1062	1261	150
Spain, Aragon	1341	177	132	51	38	1452	1083	238	178
Spain, Asturias	1074	135	126	30	28	1152	1072	178	166
Spain, Basque country	2181	261	120	53	24	2488	1141	264	121
Spain, Cantabria *	591	63	107	15	25	575	973	81	137
Spain, Castile and León *	2528	300	119	72	29	2689	1064	436	173
Spain, Castile-La Mancha *	2100	208	99	47	22	2114	1007	314	150
Spain, Catalonia	7571	881	116	204	27	9086	1200	1233	163
Spain, Extremadura	1108	133	120	34	31	1163	1050	172	155
Spain, Galicia	2767	370	134	105	38	3271	1182	548	198
Spain, Community of Madrid	6420	689	107	200	31	6338	987	1069	167
Spain, Region of Murcia	1474	160	109	32	22	1703	1155	219	149
Spain, Valencian region	5129	738	144	133	26	6111	1191	743	145
Sweden	9519	1090	115	247	26	8882	933	1609	169
The Netherlands	16755	2013	120	329	20	15472	923	1820	109
United Kingdom, England *	53494	5728	107	1326	25	46456	868	7160	134
United Kingdom, Northern Ireland *	1824	187	103	41	23	1557	854	236	129
United Kingdom, Scotland	5314	532	100	150	28	4557	858	661	124
United Kingdom, Wales *	3074	360	117	97	32	2743	892	465	151
All countries	281386	37495	133	8272	29	279141	992	42696	152

DM = diabetes mellitus as cause of renal failure

\* Patients younger than 20 years of age are not reported. The true incidence and prevalence 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

Table S.1.2

**Section B - Summary data from registries providing aggregated data**

	General population covered by the registry in thousands	Incidence in 2012, at day 1				Prevalence on December 31, 2012			
		Total N	Total Pmp	DM N	DM Pmp	Total N	Total Pmp	DM N	DM Pmp
Albania	2796	186	67	19	7	909	325	66	24
Czech Republic †	10411	1703	164			10371	996		
Estonia	1323	107	81	23	17	733	554	144	109
Georgia	2856	570	200	135	47	1559	546	398	139
Israel *	7911	1446	183	707	89	5795	733	2605	329
Latvia	1720	153	89	31	18	926	538	98	57
Montenegro	620	15	24	4	7	192	310	35	57
Poland +	37758	5082	135	1275	34	28226	748	4365	116
Portugal	10562	2323	220	723	69	17641	1670	3073	291
Russia	141914	6832	48	1164	8	30349	214	3499	25
Slovakia † *	5411	899	166	349	65	3220	595	1064	197
Spain (18 of 19 regions)	46603	5596	120	1394	30	50909	1092	7944	170
Turkey	75623	10480	139			61677	816		
Ukraine	45452	1255	28			6669	147	888	20
All countries	390960	36647	94	5824	22	219176	561	24179	79

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

*DM = diabetes mellitus as cause of renal failure*

*† Data on incidence include dialysis patients only*

*\* Data on prevalence include dialysis patients only*

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

## **V Reference Tables - Section Paediatric RRT**





## V Reference Tables - Section Paediatric RRT

The incidence and prevalence of RRT in paediatric patients are based on data from 25 registries from 16 countries that provided individual patient data on children via the ERA-EDTA Registry: Austria, Bosnia and Herzegovina, Croatia, Denmark, Finland, France, Greece, Iceland, Norway, Romania, Serbia, Slovenia, 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). For the analyses data collected between 2003 and 2012 were used. As not all countries provided data over the complete period and to allow for comparison over the years, data regarding 2006 through 2012 are shown both including and excluding the data from Bosnia and Herzegovina, Croatia, France, Romania, Serbia, Slovenia, Spain (Aragon), Spain, (Extremadura) and Spain (Galicia), Spain (Community of Madrid) 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 Chapter VI Methods. In contrast to the other sections in the annual report where non-residents are excluded, we included non-residents in the incidence and prevalence in Spain as not all regions did have specialized paediatric centres.

### P1 GENERAL CHARACTERISTICS

Table P.1.1  
Population covered (in thousands)  
by age and year

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
2003	19695	4669	4773	5086	5168
2004	19633	4715	4734	5098	5086
2005	19659	4749	4714	5079	5117
2006	19777	4791	4746	5043	5196
2007	19843	4832	4758	4996	5256
2008	20047	4907	4851	4973	5316
2009	20008	4973	4841	4895	5300
2010	20016	5012	4877	4861	5266
2011	19986	5021	4912	4853	5199
2012	19952	4993	4954	4878	5127
2006 *	37735	9056	9070	9389	10220
2007 *	38435	9307	9264	9493	10371
2008 *	40765	10013	9923	9969	10861
2009 *	41529	10363	10145	10124	10897
2010 *	42365	10648	10472	10348	10897
2011 *	44969	11183	11225	11084	11477
2012 *	46374	11535	11564	11492	11784
2003-2012 *	351159	86239	85883	87161	91877

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

Table P.1.2  
Grouping of primary renal diseases for paediatric patients  
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

P2 INCIDENT PATIENTS ACCEPTED FOR RRT, AT DAY 1

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

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
2003-2004	405	73	47	112	173
2005-2006	394	85	54	92	163
2007-2008	405	86	48	103	168
2009-2010	390	104	51	99	136
2011-2012	333	92	45	76	120
2007-2008 *	777	147	94	195	341
2009-2010 *	775	164	107	181	323
2011-2012 *	697	163	84	156	294
2003-2012 *	3231	654	410	780	1387

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

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

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
2003-2004	179	127	98	11	47	15	16	14	17	41	37	34	111	29	32
2005-2006	159	138	94	16	57	12	10	24	20	33	28	29	100	29	33
2007-2008	162	135	104	17	57	12	11	14	22	45	28	29	89	36	41
2009-2010	149	134	107	22	65	17	19	15	17	31	25	43	77	29	30
2011-2012	136	105	92	23	58	11	7	10	28	29	18	29	77	19	24
2007-2008 *	371	210	159	33	89	17	34	24	31	103	39	41	201	58	70
2009-2010 *	369	201	179	40	94	25	52	20	29	77	34	66	200	53	59
2011-2012 *	347	180	155	51	95	17	28	18	35	70	30	51	198	37	52
2003-2012 *	1519	893	714	155	398	87	150	106	136	353	174	228	861	215	263

For 74 patients information on treatment modality at start was unavailable

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

Table P.2.3  
Incident counts  
between 2003 and 2012, at day 1, by age and cause of renal failure

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	977	230	126	275	346
Glomerulonephritis	603	68	70	127	338
Cystic kidney disease	276	50	52	89	85
Hereditary Nephropathy	233	91	25	44	73
Ischaemic Renal Failure	53	21	8	15	9
HUS	103	35	12	19	37
Metabolic disorders	69	22	20	15	12
Vasculitis	82	2	2	20	58
Miscellaneous	434	89	58	92	195
Missing, unknown	401	46	37	84	234

Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

P2 INCIDENT PATIENTS ACCEPTED FOR RRT, AT DAY 1

Table P.2.4

**Incident rates per million age-related population (per year)**

at day 1, by age and cohort

Cohort	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
2003-2004	10.3	7.8	4.9	11.0	16.9
2005-2006	10.0	8.9	5.7	9.1	15.8
2007-2008	10.2	8.8	5.0	10.3	15.9
2009-2010	9.7	10.4	5.2	10.1	12.9
2011-2012	8.3	9.2	4.6	7.8	11.6
2007-2008 *	9.8	7.6	4.9	10.0	16.1
2009-2010 *	9.2	7.8	5.2	8.8	14.8
2011-2012 *	7.6	7.2	3.7	6.9	12.6
2003-2012 *	9.2	7.6	4.8	8.9	15.1

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

Table P.2.5

**Incident rates per million age-related population (per year)**

at day 1, by age, treatment modality, and cohort

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
2003-2004	4.6	3.2	2.5	1.2	5.0	1.6	1.7	1.5	1.8	4.0	3.6	3.3	10.8	2.8	3.1
2005-2006	4.0	3.5	2.4	1.7	6.0	1.3	1.1	2.5	2.1	3.3	2.8	2.9	9.7	2.8	3.2
2007-2008	4.1	3.4	2.6	1.7	5.9	1.2	1.1	1.5	2.3	4.5	2.8	2.9	8.4	3.4	3.9
2009-2010	3.7	3.3	2.7	2.2	6.5	1.7	2.0	1.5	1.7	3.2	2.6	4.4	7.3	2.7	2.8
2011-2012	3.4	2.6	2.3	2.3	5.8	1.1	0.7	1.0	2.8	3.0	1.8	3.0	7.5	1.8	2.3
2007-2008 *	4.7	2.7	2.0	1.7	4.6	0.9	1.8	1.3	1.6	5.3	2.0	2.1	9.5	2.7	3.3
2009-2010 *	4.4	2.4	2.1	1.9	4.5	1.2	2.5	1.0	1.4	3.8	1.7	3.2	9.2	2.4	2.7
2011-2012 *	3.8	2.0	1.7	2.2	4.2	0.7	1.2	0.8	1.5	3.1	1.3	2.3	8.5	1.6	2.2
2003-2012 *	4.3	2.5	2.0	1.8	4.6	1.0	1.7	1.2	1.6	4.0	2.0	2.6	9.4	2.3	2.9

For 74 patients information on treatment modality at start was unavailable

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

Table P.2.6

**Incident rates per million age-related population**

between 2003 and 2012, at day 1, by age and cause of renal failure

Cohort	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	2.8	2.7	1.5	3.2	3.8
Glomerulonephritis	1.7	0.8	0.8	1.5	3.7
Cystic kidney disease	0.8	0.6	0.6	1.0	0.9
Hereditary Nephropathy	0.7	1.1	0.3	0.5	0.8
Ischaemic Renal Failure	0.2	0.2	0.1	0.2	0.1
HUS	0.3	0.4	0.1	0.2	0.4
Metabolic disorders	0.2	0.3	0.2	0.2	0.1
Vasculitis	0.2	0.0	0.0	0.2	0.6
Miscellaneous	1.2	1.0	0.7	1.1	2.1
Missing, unknown	1.1	0.5	0.4	1.0	2.5

Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

**P3 PREVALENT PATIENTS ON RRT**

Table P.3.1

**Prevalent counts**

*prevalent patients on December 31, by age and year*

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
2006	1362	102	222	345	693
2007	1373	116	219	338	700
2008	1376	108	221	345	702
2009	1395	132	233	356	674
2010	1366	134	223	348	661
2011	1357	144	219	368	626
2012	1334	131	236	370	597
2006 *	2204	154	322	571	1157
2007 *	2243	168	334	567	1174
2008 *	2377	170	363	614	1230
2009 *	2495	208	401	632	1254
2010 *	2488	208	393	623	1264
2011 *	2533	236	395	660	1242
2012 *	2535	224	415	671	1225

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

Table P.3.2

**Prevalent counts**

*prevalent patients on December 31, by age and year*

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
2006	159	117	1075	12	34	56	13	28	180	29	19	293	105	36	546
2007	153	120	1091	14	44	58	17	15	186	28	22	287	94	39	560
2008	145	86	1133	13	33	62	14	15	191	29	17	296	89	21	584
2009	152	115	1118	18	48	66	17	22	194	28	20	305	89	25	553
2010	149	112	1097	18	52	64	16	17	190	28	15	303	87	28	540
2011	156	112	1081	22	54	68	15	21	183	28	15	323	91	22	507
2012	135	108	1084	19	55	57	12	15	209	27	14	328	77	24	490
2006 *	323	168	1671	21	50	82	22	36	258	68	30	464	212	52	867
2007 *	347	174	1687	28	58	81	32	23	274	72	32	457	215	61	875
2008 *	343	156	1823	26	52	86	34	27	295	76	32	489	207	45	953
2009 *	368	193	1887	32	70	96	42	32	325	74	36	509	220	55	957
2010 *	373	193	1884	33	77	91	36	29	325	72	33	508	232	54	960
2011 *	400	203	1892	48	78	106	37	36	315	75	35	541	240	54	930
2012 *	377	213	1925	45	84	93	40	34	339	68	39	561	224	56	932

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

Table P.3.3

**Prevalent counts**

*prevalent patients on December 31, 2012, by age and cause of renal failure*

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	738	50	130	203	355
Glomerulonephritis	352	12	51	97	192
Cystic kidney disease	210	14	27	54	115
Hereditary Nephropathy	209	29	51	54	75
Ischaemic Renal Failure	52	7	11	14	20
HUS	94	8	21	29	36
Metabolic disorders	58	6	14	15	23
Vasculitis	25	0	2	3	20
Miscellaneous	296	27	45	79	145
Missing, unknown	185	11	20	45	109

*Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012*

P3 PREVALENT PATIENTS ON RRT

Table P.3.4

**Prevalence per million age-related population (per year)**

*prevalent patients on December 31, by age and year*

Cohort	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
2006	68.9	21.3	46.8	68.4	133.4
2007	69.2	24.0	46.0	67.6	133.2
2008	68.6	22.0	45.6	69.4	132.1
2009	69.7	26.5	48.1	72.7	127.2
2010	68.2	26.7	45.7	71.6	125.5
2011	67.9	28.7	44.6	75.8	120.4
2012	66.9	26.2	47.6	75.8	116.4
2006 *	58.4	17.0	35.5	60.8	113.2
2007 *	58.4	18.1	36.1	59.7	113.2
2008 *	58.3	17.0	36.6	61.6	113.3
2009 *	60.1	20.1	39.5	62.4	115.1
2010 *	58.7	19.5	37.5	60.2	116.0
2011 *	56.3	21.1	35.2	59.5	108.2
2012 *	54.7	19.4	35.9	58.4	104.0

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

Table P.3.5

**Prevalence per million age-related population (per year)**

*prevalent patients on December 31, by age and year*

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
2006	8.0	5.9	54.4	2.5	7.1	11.7	2.7	5.9	37.9	5.8	3.8	58.1	20.2	6.9	105.1
2007	7.7	6.0	55.0	2.9	9.1	12.0	3.6	3.2	39.1	5.6	4.4	57.4	17.9	7.4	106.5
2008	7.2	4.3	56.5	2.6	6.7	12.6	2.9	3.1	39.4	5.8	3.4	59.5	16.7	4.0	109.9
2009	7.6	5.7	55.9	3.6	9.7	13.3	3.5	4.5	40.1	5.7	4.1	62.3	16.8	4.7	104.3
2010	7.4	5.6	54.8	3.6	10.4	12.8	3.3	3.5	39.0	5.8	3.1	62.3	16.5	5.3	102.5
2011	7.8	5.6	54.1	4.4	10.8	13.5	3.1	4.3	37.3	5.8	3.1	66.6	17.5	4.2	97.5
2012	6.8	5.4	54.3	3.8	11.0	11.4	2.4	3.0	42.2	5.5	2.9	67.2	15.0	4.7	95.6
2006 *	8.6	4.5	44.3	2.3	5.5	9.1	2.4	4.0	28.4	7.2	3.2	49.4	20.7	5.1	84.8
2007 *	9.0	4.5	43.9	3.0	6.2	8.7	3.5	2.5	29.6	7.6	3.4	48.1	20.7	5.9	84.4
2008 *	8.4	3.8	44.7	2.6	5.2	8.6	3.4	2.7	29.7	7.6	3.2	49.1	19.1	4.1	87.7
2009 *	8.9	4.6	45.4	3.1	6.8	9.3	4.1	3.2	32.0	7.3	3.6	50.3	20.2	5.0	87.8
2010 *	8.8	4.6	44.5	3.1	7.2	8.5	3.4	2.8	31.0	7.0	3.2	49.1	21.3	5.0	88.1
2011 *	8.9	4.5	42.1	4.3	7.0	9.5	3.3	3.2	28.1	6.8	3.2	48.8	20.9	4.7	81.0
2012 *	8.1	4.6	41.5	3.9	7.3	8.1	3.5	2.9	29.3	5.9	3.4	48.8	19.0	4.8	79.1

\* Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012

Table P.3.6

**Prevalence per million age-related population**

*prevalent patients on December 31, 2012, by age and cause of renal failure*

Cohort	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	18.0	4.3	11.2	17.7	30.1
Glomerulonephritis	9.3	1.0	4.4	8.4	16.3
Cystic kidney disease	5.0	1.2	2.3	4.7	9.8
Hereditary Nephropathy	4.9	2.5	4.4	4.7	6.4
Ischaemic Renal Failure	1.1	0.6	1.0	1.2	1.7
HUS	2.4	0.7	1.8	2.5	3.1
Metabolic disorders	1.4	0.5	1.2	1.3	2.0
Vasculitis	0.6	0.0	0.2	0.3	1.7
Miscellaneous	7.1	2.3	3.9	6.9	12.3
Missing, unknown	4.8	1.0	1.7	3.9	9.3

Including data from France (coverage from 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, Slovenia and Spain (Community of Madrid) since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia and Spain (Region of Murcia) since 2012



## **VI Methods**





## VI Methods

The ERA-EDTA Registry is located at the Department of Medical Informatics of the Academic Medical Center in Amsterdam, the Netherlands. This department hosts several clinical registries which share a quality management system with Standard Operating Procedures (SOPs) 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

#### Section A

##### Data collection

Once a year data sets containing individual patient data are sent to the office of the ERA-EDTA Registry in Amsterdam. Data delivery takes place in one of the Open Data Base Connectivity (ODBC) compatible file formats, like Microsoft Access and Microsoft Excel, or in other formats like text, SPSS or SAS. 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 in Table 1.

**Table 1: Variables collected for Section A**

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 of 31 national and regional registries from 17 countries were used to create the tables in Section A of this annual report (see Figure 1).

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 A of this report are based on separate datasets from 13 of 19 regions: Andalusia, Aragon, Asturias, Basque country, Cantabria, Castile and León, Castile-La Mancha, Catalonia, Extremadura, Galicia, Community of Madrid, Region of Murcia 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 the treatment modalities.

### *Patient population*

The data from Belgium (Dutch-speaking), Belgium (French-speaking), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), and United Kingdom (England/Northern Ireland/Wales) only comprised patients older than 20 years of age. It has been estimated that inclusion of data on children would add about 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 31 March 2013. For the following registries data were only available until 31 December 2012: Croatia, Spain (Catalonia), Spain (Region of Murcia), 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 kidney transplantation activity reported reflects 70% of the total kidney transplantation activity in the country because there is an underreporting of pre-emptive transplantations. As a consequence, the overall incidence and prevalence of RRT were 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 unifies the data and then translates any non-standard codes. Consistency checks were performed, and thereafter the data were converted to the desired format in order to make storage in the relational and event-driven database possible. The new data, annually provided by national and regional registries, replaced all existing data in the ERA-EDTA Registry database. Changes in the data sets made by the national and regional registries were in this way 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 data analysis, the results were compared to the annual reports published by the national and regional registries as a first check for errors. In 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 the approval from the registries before publication in the 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 A are shown in Table 2.

**Table 2: Sources of general population data for the national and regional registries participating in Section A**

Registry	Sources of general population data of 2012
Austria	Registry
Belgium, Dutch-speaking	<a href="http://aps.vlaanderen.be/">http://aps.vlaanderen.be/</a>
Belgium, French-speaking	<a href="http://aps.vlaanderen.be/">http://aps.vlaanderen.be/</a>
Bosnia and Herzegovina	<a href="http://www.fzs.ba/">http://www.fzs.ba/</a>
Croatia	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Denmark	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Greenland	<a href="http://www.stat.gl/">http://www.stat.gl/</a>
Finland	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
France	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Greece	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Iceland	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Norway	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Romania	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Serbia	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Slovenia	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
Spain, Andalusia	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Aragon	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Asturias	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Basque country	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Cantabria	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Castile and León	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Castile-La Mancha	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Catalonia	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Extremadura	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Galicia	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Community of Madrid	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Region of Murcia	<a href="http://www.ine.es/">http://www.ine.es/</a>
Spain, Valencian region	<a href="http://www.ine.es/">http://www.ine.es/</a>
Sweden	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
The Netherlands	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
United Kingdom, England/Northern Ireland/Wales	<a href="http://www.ons.gov.uk/">http://www.ons.gov.uk/</a>
United Kingdom, Scotland	<a href="http://www.ons.gov.uk/">http://www.ons.gov.uk/</a>

## Reference population

As of this year's Annual Report, the age and gender distribution of the 2010 EU27 as provided by Eurostat is 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 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

## **Section B**

### **Data collection**

Section B relates to national registries from countries 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 14 national registries are used for the preparation of the tables in Section B (see Figure 1). The following countries participated in Section B of this year's annual report: Albania, Czech Republic, Estonia, Georgia, Israel, Latvia, Montenegro, Poland, Portugal, Russia, Slovakia, Spain, Turkey, and Ukraine.

Data from Spain are based on 18 of the 19 regions: Andalusia, Aragon, Asturias, Balearic Islands, Basque country, Canary Islands, Cantabria, Castile and León, Castile-La Mancha, Catalonia, Extremadura, Galicia, La Rioja, Community of Madrid, Region of Murcia, Valencian region, and the overseas cities Ceuta and Melilla.

### **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 A, we used the age and gender distribution of the 2010 EU27 (see Table 3) as provided by Eurostat for the adjustment of incidence rates and prevalence [1].

## **Definitions and coding systems**

The definitions given below apply to both Section A and B.

### **Incidence and prevalence**

Incidence is the number of new cases of a condition during a specific period of time which, in this annual report, is a year (2012). Prevalence is the number of people in a given population with a particular disease at a given time, in this annual report at December 31, 2012.

### **Primary cause of renal failure**

Renal diseases were defined according to both the old (1994/1995) and new (2012) [2,3] ERA-EDTA coding systems and subsequently classified into groups (Appendix 1). 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 2).

### **Treatment modalities**

Appendix 3 provides an overview of the coding currently used for treatment modalities 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 4.

### **SAS 9.2**

For the data analyses SAS 9.3 [4] was used. This statistical software package is able to maintain large datasets, is syntax driven which increases reproducibility of results, and has extensive capabilities with respect to statistics and data management.

## **Section A**

### **Incidence and prevalence**

The incidence and prevalence tables were based on 31 data sets from national or regional registries from 17 countries that provided individual patient data for 2012: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Croatia, Denmark, Finland, France, Greece, Iceland, Norway, Romania, Serbia, Slovenia, 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/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 31, 2013, 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 2012, when compared to patients who started RRT in the last three months of 2012.

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 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 weighed average provides for each country a single summary rate 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 was presented by donor type. In Iceland the number of transplants was somewhat lower, because several patients received transplants in other countries. Rates are expressed as numbers, percentages and Pmp.

### **Survival probability**

In this annual report, patient survival on RRT, patient survival on dialysis, patient survival after the first transplant, and graft survival after the first transplant are presented in tables by age, 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 [5]. For the analysis of survival data two five-year cohorts were used:

- 2003-2007 - for the presentation of 90-day, one-, two- and five-year survival probabilities.
- 2006-2010 - 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, Greece, Iceland, Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and Leon), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England/Wales/Northern Ireland) and United Kingdom (Scotland).

December 31, 2012 was applied as censoring date for all survival analyses. For the different types of survival analysis the events and censoring were defined as shown in Table 5.

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

<b>Survival type</b>	<b>Event</b>	<b>Censoring</b>
Patients on renal replacement therapy	Death of patient	Recovery of renal function * Loss to follow-up End of follow-up time
Patients on dialysis	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

\* Only when a patients' renal function recovered for more than 30 days this was considered as a censored observation.

### **Unadjusted survival probabilities**

Unadjusted survival probabilities were calculated using the Kaplan-Meier method, and corresponding confidence intervals were calculated according to Bie et al. [5]. 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 compare the survival between groups while accounting for confounders [6]. 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.

### **Survival figures**

In the Figures A.6.1 to A.6.3 survival was adjusted for age 60 years and gender 60% men. In addition, Figure A.6.1 was adjusted for primary renal disease distribution: 20% Diabetes; 17% Hypertension / renal vascular disease; 15% Glomerulonephritis and 48% Other cause.

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

<b>Survival type</b>	<b>Age</b>	<b>Gender</b>	<b>Renal disease</b>
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

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 persons who have reached a given age. In this annual report, expected remaining lifetimes were calculated for RRT patients and for the general population. For the calculation of expected remaining lifetimes of both groups, the methodology of the United States Renal Data System (USRDS) was adopted [7].

To be able to calculate expected remaining lifetimes we used data from registries providing data from 2001 until 2012. Consequently, the data of the following national or regional registries from 11 countries were suitable for this analysis: Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Norway, Spain (Andalusia), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Catalonia), Spain (Valencian region), Sweden, the Netherlands, United Kingdom (England/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 (based on EU27 in 2010). The size of the contribution of each country to the general population that was used to calculate expected remaining lifetimes was in proportion to the size of the general population covered by its renal registry.

## **Section B**

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

## **Paediatric Section**

The incidence and prevalence tables were based on data from 25 national or regional registries from 16 countries that provided complete individual patient data in their paediatric population for 2003 to 2012: Austria, Bosnia and Herzegovina, Croatia, Denmark, Finland, France, Greece, Iceland, Norway, Romania, Serbia, Slovenia, 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 76.6% in 2006 to 100% in 2012), Romania and Spain (Aragon, Extremadura) provided data since 2006, Spain (Galicia) since 2007, Slovenia since 2008, Bosnia and Herzegovina and Serbia since 2011, and Croatia since 2012. 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 section.

Incidence (on day 1) and prevalence on RRT were calculated for subgroups based on age, treatment modality, and cause of renal failure. Incidence on RRT by 2-year cohorts was presented for paediatric patients who started RRT between 2003 and 2012. The cohorts 2007-2008, 2009-2010 and 2011-2012 were presented twice, once including and once excluding the countries with a limited follow-up to allow for a comparison over time. The incidence on RRT Pmarp was the observed incident count in that particular time period divided by the age-related general population in that time period (for example the total population in 2011 + the total population in 2012) multiplied by one million. The grouping of primary renal disease codes for the paediatric population is described in Table P.1.2 as it differs from the grouping in the adult population.

The prevalence on RRT was presented at December 31 of each year from 2006 to 2012 and were presented twice, once including and once excluding the above mentioned countries and periods to allow for a comparison over time. The prevalence on RRT by cause of renal failure was calculated for patients prevalent on December 31, 2012.

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- 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.



## **VII Appendices**

## Appendix 1 - Grouping of primary renal diseases

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

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 causes of death

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

*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 3 - Treatment modalities

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

## Appendix 4 - Renal registries contributing data for the different types of analyses

	Section A Individual patient data			Section B Aggregated data	Section Paediatric RRT Individual patient 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	+	-	-	-	+
Croatia	+	-	-	-	+
Czech Republic	-	-	-	+	-
Denmark	+	+	+	-	+
Estonia	-	-	-	+	-
Finland	+	+	+	-	+
France	+	-	-	-	+
Georgia	-	-	-	+	-
Greece	+	+	+	-	+
Iceland	+	+	+	-	+
Israel	-	-	-	+	-
Latvia	-	-	-	+	-
Montenegro	-	-	-	+	-
Norway	+	+	+	-	+
Poland	-	-	-	+	-
Portugal	-	-	-	+	-
Romania	+	-	-	-	+
Russia	-	-	-	+	-
Serbia	+	-	-	-	+
Slovakia	-	-	-	+	-
Slovenia	+	-	-	-	+
Spain, Andalusia	+	+	+	+	+
Spain, Aragon	+	+	-	+	+
Spain, Asturias	+	+	+	+	+
Spain, Balearic Islands	-	-	-	+	-
Spain, Basque country	+	+	+	+	+
Spain, Canary Islands	-	-	-	+	-
Spain, Cantabria	+	+	+	+	-
Spain, Castile and León	+	+	-	+	-
Spain, Castile-La Mancha	+	+	-	+	-
Spain, Catalonia	+	+	+	+	+
Spain, Ceuta	-	-	-	+	-
Spain, Extremadura	+	+	-	+	+
Spain, Galicia	+	-	-	+	+
Spain, La Rioja	-	-	-	+	-
Spain, Community of Madrid	+	-	-	+	+
Spain, Melilla	-	-	-	+	-
Spain, Region of Murcia	+	-	-	+	+
Spain, Valencian region	+	+	+	+	+
Sweden	+	+	+	-	+
The Netherlands	+	+	+	-	+
Turkey	-	-	-	+	-
Ukraine	-	-	-	+	-
United Kingdom, England	+	+	+	-	-
United Kingdom, Northern Ireland	+	+	-	-	-
United Kingdom, Scotland	+	+	+	-	+
United Kingdom, Wales	+	+	+	-	-





[www.era-edta-reg.org](http://www.era-edta-reg.org)

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