



# ERA-EDTA Registry

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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

# Table of Contents

<b>I</b>	<b>Introduction</b>	<b>11</b>
	Chapter overview .....	13
	New to this edition .....	13
	ERA-EDTA Registry website .....	13
	ESPN/ERA-EDTA Registry website .....	13
<b>II</b>	<b>Reference Tables - Section A</b>	<b>15</b>
<b>A1</b>	<b>AFFILIATED REGISTRY INFORMATION FOR 2011</b>	
	<b>Table A.1.1</b> .....	<b>16</b>
	General population of the country/region and percent coverage of general population	
	<b>Table A.1.2</b> .....	<b>17</b>
	Renal centres: total number of centres and number of collaborating centres	
<b>A2</b>	<b>INCIDENT PATIENTS ACCEPTED FOR RRT IN 2011, AT DAY 1</b>	
	<b>Table A.2.1</b> .....	<b>18</b>
	Incident counts and percentages <i>at day 1, by age and gender</i>	
	<b>Table A.2.2</b> .....	<b>19</b>
	Gender, mean age, and median age of incident patients <i>at day 1</i>	
	<b>Table A.2.3</b> .....	<b>20</b>
	Incident rates per million (age-related) population, unadjusted <i>at day 1, by age and gender</i>	
	<b>Table A.2.4</b> .....	<b>21</b>
	Incident rates per million population, unadjusted <i>at day 1, by cause of renal failure</i>	
	<b>Table A.2.5</b> .....	<b>22</b>
	Incident rates per million population, adjusted <i>at day 1, by cause of renal failure, adjusted for age and gender</i>	
<b>A3</b>	<b>INCIDENT PATIENTS ACCEPTED FOR RRT IN 2011, AT DAY 91</b>	
	<b>Table A.3.1</b> .....	<b>23</b>
	Incident counts and percentages <i>at day 91, by age and gender</i>	
	<b>Table A.3.2</b> .....	<b>24</b>
	Gender, mean age, and median age of incident patients <i>at day 91</i>	
	<b>Table A.3.3</b> .....	<b>25</b>
	Incident rates per million (age-related) population, unadjusted <i>at day 91, by age and gender</i>	
	<b>Table A.3.4</b> .....	<b>26</b>
	Incident rates per million population, unadjusted <i>at day 91, by cause of renal failure</i>	
	<b>Table A.3.5</b> .....	<b>27</b>
	Incident rates per million population, adjusted <i>at day 91, by cause of renal failure, adjusted for age and gender</i>	
	<b>Table A.3.6</b> .....	<b>28</b>
	Incident counts <i>at day 91, by established therapy</i>	
	<b>Table A.3.7</b> .....	<b>29</b>
	Incident rates per million population, unadjusted <i>at day 91, by established therapy</i>	
	<b>Table A.3.8</b> .....	<b>30</b>
	Incident rates per million population, adjusted <i>at day 91, by established therapy, adjusted for age and gender</i>	

<b>Table A.3.9</b> .....	<b>31</b>
Percentages of established therapy, unadjusted <i>at day 91</i>	
<b>Table A.3.10</b> .....	<b>32</b>
Percentages of established therapy, unadjusted <i>at day 91, by age, gender, and primary diagnosis</i>	
 <b>A4 PREVALENT PATIENTS ON RRT IN 2011</b>	
<b>Table A.4.1</b> .....	<b>33</b>
Prevalent counts and percentages <i>prevalent patients on December 31, by age and gender</i>	
<b>Table A.4.2</b> .....	<b>34</b>
Gender, mean age, and median age <i>prevalent patients on December 31</i>	
<b>Table A.4.3</b> .....	<b>35</b>
Prevalence per million (age-related) population, unadjusted <i>prevalent patients on December 31, by age and gender</i>	
<b>Table A.4.4</b> .....	<b>36</b>
Prevalence per million population and percentages, unadjusted <i>prevalent patients on December 31, by cause of renal failure</i>	
<b>Table A.4.5</b> .....	<b>37</b>
Prevalence per million population, adjusted <i>prevalent patients on December 31, by cause of renal failure, adjusted for age and gender</i>	
<b>Table A.4.6</b> .....	<b>38</b>
Prevalent counts <i>prevalent patients on December 31, by established therapy</i>	
<b>Table A.4.7</b> .....	<b>39</b>
Prevalence per million population, unadjusted <i>prevalent patients on December 31, by established therapy</i>	
<b>Table A.4.8</b> .....	<b>40</b>
Prevalence per million population, adjusted <i>prevalent patients on December 31, by established therapy, adjusted for age and gender</i>	
<b>Table A.4.9</b> .....	<b>41</b>
Percentages of established therapy, unadjusted <i>prevalent patients on December 31</i>	
<b>Table A.4.10</b> .....	<b>42</b>
Percentages of established therapy, unadjusted <i>prevalent patients on December 31, by age, gender, and primary diagnosis</i>	
 <b>A5 RENAL TRANSPLANTS IN 2011</b>	
<b>Table A.5.1</b> .....	<b>43</b>
Renal transplants performed in 2011, numbers and percentages <i>by donor type</i>	
<b>Table A.5.2</b> .....	<b>44</b>
Renal transplants performed in 2011, per million population <i>by donor type</i>	
 <b>A6 SURVIVAL PROBABILITY</b>	
<b>Patient Survival on RRT</b>	
<b>Table A.6.1</b> .....	<b>46</b>
90-day, one-, two- and five-year survival probabilities (cohort 2002-2006): Incident RRT patients, unadjusted <i>from day 1 to 90 days, one, two, and five years, by age, gender, and primary diagnosis</i>	
<b>Table A.6.2</b> .....	<b>47</b>
90-day, one-, two- and five-year survival probabilities (cohort 2002-2006): Incident RRT patients, adjusted <i>from day 1 to 90 days, one, two, and five years, adjusted for age, gender, and primary diagnosis</i>	
<b>Table A.6.3</b> .....	<b>48</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): Incident RRT patients, unadjusted <i>from day 91 to one, two, and five years + 90 days, by age, gender, and primary diagnosis</i>	
<b>Table A.6.4</b> .....	<b>49</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): Incident RRT patients, adjusted <i>from day 91 to one, two, and five years + 90 days, adjusted for age, gender, and primary diagnosis</i>	
<b>Table A.6.5</b> .....	<b>50</b>
90-day, one- and two-year survival probabilities (cohort 2005-2009): Incident RRT patients, unadjusted <i>from day 1 to 90 days, one, and two years, by age, gender, and primary diagnosis</i>	
<b>Table A.6.6</b> .....	<b>51</b>
90-day, one- and two-year survival probabilities (cohort 2005-2009): Incident RRT patients, adjusted <i>from day 1 to 90 days, one, and two years, adjusted for age, gender, and primary diagnosis</i>	



<b>Table A.6.7</b> .....	<b>52</b>
One- and two-year survival probabilities (cohort 2005-2009): Incident RRT patients, unadjusted <i>from day 91 to one and two years + 90 days, by age, gender, and primary diagnosis</i>	
<b>Table A.6.8</b> .....	<b>53</b>
One- and two-year survival probabilities (cohort 2005-2009): Incident RRT patients, adjusted <i>from day 91 to one and two years + 90 days, adjusted for age, gender, and primary diagnosis</i>	
<b><u>Patient Survival on Dialysis</u></b>	
<b>Table A.6.9</b> .....	<b>54</b>
90-day, one-, two- and five-year survival probabilities (cohort 2002-2006): Incident dialysis patients, unadjusted <i>from day 1 to 90 days, one, two, and five years, by age, gender, and primary diagnosis</i>	
<b>Table A.6.10</b> .....	<b>55</b>
90-day, one-, two- and five-year survival probabilities (cohort 2002-2006): Incident dialysis patients, adjusted <i>from day 1 to 90 days, one, two, and five years, adjusted for age, gender, and primary diagnosis</i>	
<b>Table A.6.11</b> .....	<b>56</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): Incident dialysis patients, unadjusted <i>from day 91 to one, two, and five years + 90 days, by age, gender, and primary diagnosis</i>	
<b>Table A.6.12</b> .....	<b>57</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): Incident dialysis patients, adjusted <i>from day 91 to one, two, and five years + 90 days, adjusted for age, gender, and primary diagnosis</i>	
<b>Table A.6.13</b> .....	<b>58</b>
90-day, one- and two-year survival probabilities (cohort 2005-2009): Incident dialysis patients, unadjusted <i>from day 1 to 90 days, one, and two years, by age, gender, and primary diagnosis</i>	
<b>Table A.6.14</b> .....	<b>59</b>
90-day, one- and two-year survival probabilities (cohort 2005-2009): Incident dialysis patients, adjusted <i>from day 1 to 90 days, one, and two years, adjusted for age, gender, and primary diagnosis</i>	
<b>Table A.6.15</b> .....	<b>60</b>
One- and two-year survival probabilities (cohort 2005-2009): Incident dialysis patients, unadjusted <i>from day 91 to one and two years + 90 days, by age, gender, and primary diagnosis</i>	
<b>Table A.6.16</b> .....	<b>61</b>
One- and two-year survival probabilities (cohort 2005-2009): Incident dialysis patients, adjusted <i>from day 91 to one and two years + 90 days, adjusted for age, gender, and primary diagnosis</i>	
<b><u>Patient Survival after First Transplant (deceased donor)</u></b>	
<b>Table A.6.17</b> .....	<b>62</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): First transplant patients (deceased donor), unadjusted <i>from day of transplant to one, two, and five years, by age, gender, and primary diagnosis</i>	
<b>Table A.6.18</b> .....	<b>63</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): First transplant patients (deceased donor), adjusted <i>from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis</i>	
<b>Table A.6.19</b> .....	<b>64</b>
One- and two-year survival probabilities (cohort 2005-2009): First transplant patients (deceased donor), unadjusted <i>from day of transplant to one and two years, by age, gender, and primary diagnosis</i>	
<b>Table A.6.20</b> .....	<b>65</b>
One- and two-year survival probabilities (cohort 2005-2009): First transplant patients (deceased donor), adjusted <i>from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis</i>	
<b><u>Patient Survival after First Transplant (living donor)</u></b>	
<b>Table A.6.21</b> .....	<b>66</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): First transplant patients (living donor), unadjusted <i>from day of transplant to one, two, and five years, by age, gender, and primary diagnosis</i>	
<b>Table A.6.22</b> .....	<b>67</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): First transplant patients (living donor), adjusted <i>from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis</i>	
<b>Table A.6.23</b> .....	<b>68</b>
One- and two-year survival probabilities (cohort 2005-2009): First transplant patients (living donor), unadjusted <i>from day of transplant to one and two years, by age, gender, and primary diagnosis</i>	
<b>Table A.6.24</b> .....	<b>69</b>
One- and two-year survival probabilities (cohort 2005-2009): First transplant patients (living donor), adjusted <i>from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis</i>	

<b>Graft Survival after First Transplant (deceased donor)</b>	
<b>Table A.6.25</b> .....	<b>70</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): First graft (deceased donor), unadjusted from day of transplant to one, two, and five years, by age, gender, and primary diagnosis	
<b>Table A.6.26</b> .....	<b>71</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): First graft (deceased donor), adjusted from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis	
<b>Table A.6.27</b> .....	<b>72</b>
One- and two-year survival probabilities (cohort 2005-2009): First graft (deceased donor), unadjusted from day of transplant to one and two years, by age, gender, and primary diagnosis	
<b>Table A.6.28</b> .....	<b>73</b>
One- and two-year survival probabilities (cohort 2005-2009): First graft (deceased donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis	
<b>Graft Survival after First Transplant (living donor)</b>	
<b>Table A.6.29</b> .....	<b>74</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): First graft (living donor), unadjusted from day of transplant to one, two, and five years, by age, gender, and primary diagnosis	
<b>Table A.6.30</b> .....	<b>75</b>
One-, two- and five-year survival probabilities (cohort 2002-2006): First graft (living donor), adjusted from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis	
<b>Table A.6.31</b> .....	<b>76</b>
One- and two-year survival probabilities (cohort 2005-2009): First graft (living donor), unadjusted from day of transplant to one and two years, by age, gender, and primary diagnosis	
<b>Table A.6.32</b> .....	<b>77</b>
One- and two-year survival probabilities (cohort 2005-2009): First graft (living donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis	
<b>Patient Survival by Modality and Primary Diagnosis</b>	
<b>Figure A.6.1</b> .....	<b>78</b>
Adjusted survival (cohort 2002-2006): Incident dialysis patients and patients receiving a first transplant (between 2002 and 2006) from day 91, by modality, adjusted for age, gender, and primary diagnosis	
<b>Figure A.6.2</b> .....	<b>78</b>
Adjusted survival (cohort 2002-2006): Incident haemodialysis patients from day 91, by primary diagnosis, adjusted for age and gender	
<b>Figure A.6.3</b> .....	<b>78</b>
Adjusted survival (cohort 2002-2006): Incident peritoneal dialysis patients from day 91, by primary diagnosis, adjusted for age and gender	
<b>A7 EXPECTED REMAINING LIFETIMES</b>	
<b>Table A.7.1</b> .....	<b>79</b>
Expected remaining lifetimes (years) of the general population in 2005, and of prevalent dialysis and transplant patients in 2010 and 2011 (includes mortality in the first 90 days) by age and gender	
<b>III Reference Tables - Section B</b>	<b>81</b>
<b>B1 AFFILIATED REGISTRY INFORMATION FOR 2011</b>	
<b>Table B.1.1</b> .....	<b>82</b>
General population of the country/region and percent coverage of general population	
<b>Table B.1.2</b> .....	<b>83</b>
Renal centres: total number of centres and number of collaborating centres	
<b>B2 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2011, AT DAY 1</b>	
<b>Table B.2.1</b> .....	<b>84</b>
Incident counts and incident rates per million population, unadjusted at day 1	
<b>Table B.2.2</b> .....	<b>85</b>
Gender, mean age, and median age of incident patients at day 1	
<b>Table B.2.3</b> .....	<b>86</b>
Incident rates per million population, adjusted at day 1, adjusted for age and gender	
<b>Table B.2.4</b> .....	<b>87</b>
Incident rates per million population and percentages, unadjusted at day 1, by cause of renal failure	

**B3 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2011, AT DAY 91**

**Table B.3.1** ..... **88**  
 Incident counts and incident rates per million population, unadjusted  
*at day 91*

**Table B.3.2** ..... **89**  
 Gender, mean age, and median age of incident patients  
*at day 91*

**Table B.3.3** ..... **90**  
 Incident rates per million population, adjusted  
*at day 91, adjusted for age and gender*

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

**Table B.3.5** ..... **92**  
 Incident counts  
*at day 91, by established therapy*

**Table B.3.6** ..... **93**  
 Incident rates per million population, unadjusted  
*at day 91, by established therapy*

**Table B.3.7** ..... **94**  
 Percentages of established therapy, unadjusted  
*at day 91*

**B4 PREVALENT PATIENTS ON RRT IN 2011**

**Table B.4.1** ..... **95**  
 Prevalent counts and prevalence per million population, unadjusted  
*prevalent patients on December 31*

**Table B.4.2** ..... **96**  
 Gender, mean age, and median age  
*prevalent patients on December 31*

**Table B.4.3** ..... **97**  
 Prevalence per million population, adjusted  
*prevalent patients on December 31, adjusted for age and gender*

**Table B.4.4** ..... **98**  
 Prevalence per million population and percentages, unadjusted  
*prevalent patients on December 31, by cause of renal failure*

**Table B.4.5** ..... **99**  
 Prevalent counts  
*prevalent patients on December 31, by established therapy*

**Table B.4.6** ..... **100**  
 Prevalence per million population, unadjusted  
*prevalent patients on December 31, by established therapy*

**Table B.4.7** ..... **101**  
 Percentages of established therapy, unadjusted  
*prevalent patients on December 31*

**B5 RENAL TRANSPLANTS IN 2011**

**Table B.5.1** ..... **102**  
 Renal transplants performed in 2011, numbers and percentages  
*by donor type*

**Table B.5.2** ..... **103**  
 Renal transplants performed in 2011, per million population  
*by donor type*

**IV Summary Data** **105**

**Table S.1.1** ..... **107**  
 Section A - Summary data from registries providing individual patient data

**Table S.1.2** ..... **108**  
 Section B - Summary data from registries providing aggregated data

**P1 GENERAL CHARACTERISTICS**

**Table P.1.1** ..... **111**  
 Population covered (in thousands)  
*by age and year*

**Table P.1.2** ..... **111**  
 Grouping of primary renal diseases for paediatric patients  
*groups and codes included*

**P2 INCIDENT PATIENTS ACCEPTED FOR RRT, AT DAY 1**

**Table P.2.1** ..... **112**  
 Incident counts  
*at day 1, by age and cohort*

**Table P.2.2** ..... **112**  
 Incident counts  
*at day 1, by age, treatment modality, and cohort*

**Table P.2.3** ..... **112**  
 Incident counts  
*between 2002 and 2011, at day 1, by age and cause of renal failure*

**Table P.2.4** ..... **113**  
 Incident rates per million age-related population (per year)  
*at day 1, by age and cohort*

**Table P.2.5** ..... **113**  
 Incident rates per million age-related population (per year)  
*at day 1, by age, treatment modality, and cohort*

**Table P.2.6** ..... **113**  
 Incident rates per million age-related population  
*between 2002 and 2011, at day 1, by age and cause of renal failure*

**P3 PREVALENT PATIENTS ON RRT**

**Table P.3.1** ..... **114**  
 Prevalent counts  
*prevalent patients on December 31, by age and year*

**Table P.3.2** ..... **114**  
 Prevalent counts  
*prevalent patients on December 31, by age and year*

**Table P.3.3** ..... **114**  
 Prevalent counts  
*prevalent patients on December 31, 2011, by age and cause of renal failure*

**Table P.3.4** ..... **115**  
 Prevalence per million age-related population (per year)  
*prevalent patients on December 31, by age and year*

**Table P.3.5** ..... **115**  
 Prevalence per million age-related population (per year)  
*prevalent patients on December 31, by age and year*

**Table P.3.6** ..... **115**  
 Prevalence per million age-related population  
*prevalent patients on December 31, 2011, by age and cause of renal failure*

**VI Methods**

**Data collection and preparation** ..... **119**

**Definitions and coding systems** ..... **122**

**Statistical analyses** ..... **123**

**Bibliography** ..... **126**

**VII Appendices**

**Appendix 1 - Grouping of primary renal diseases** ..... **128**

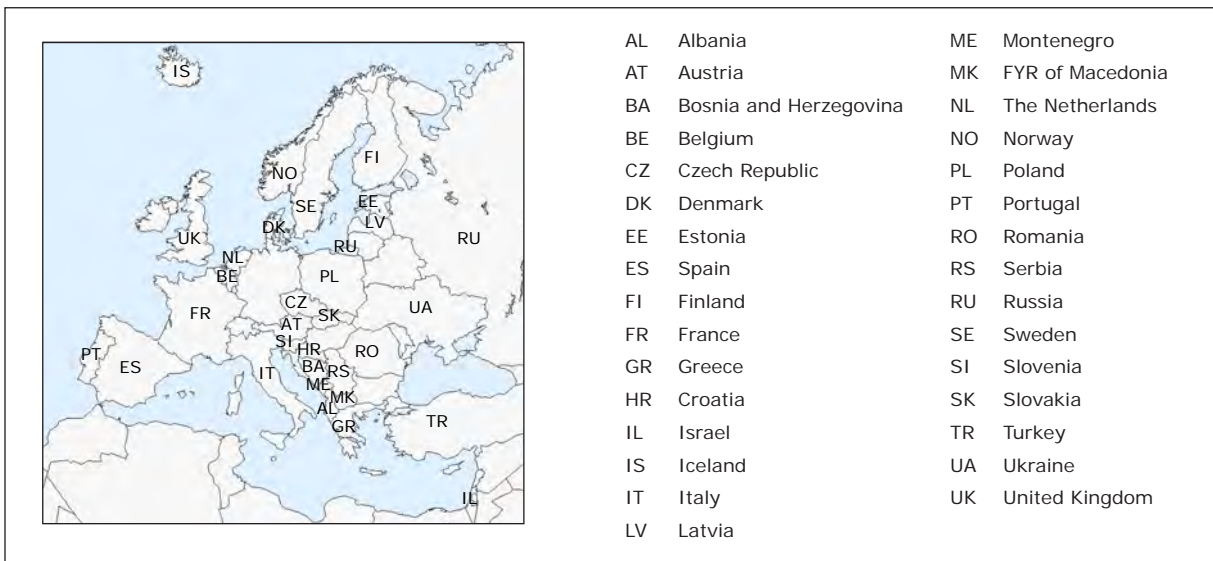
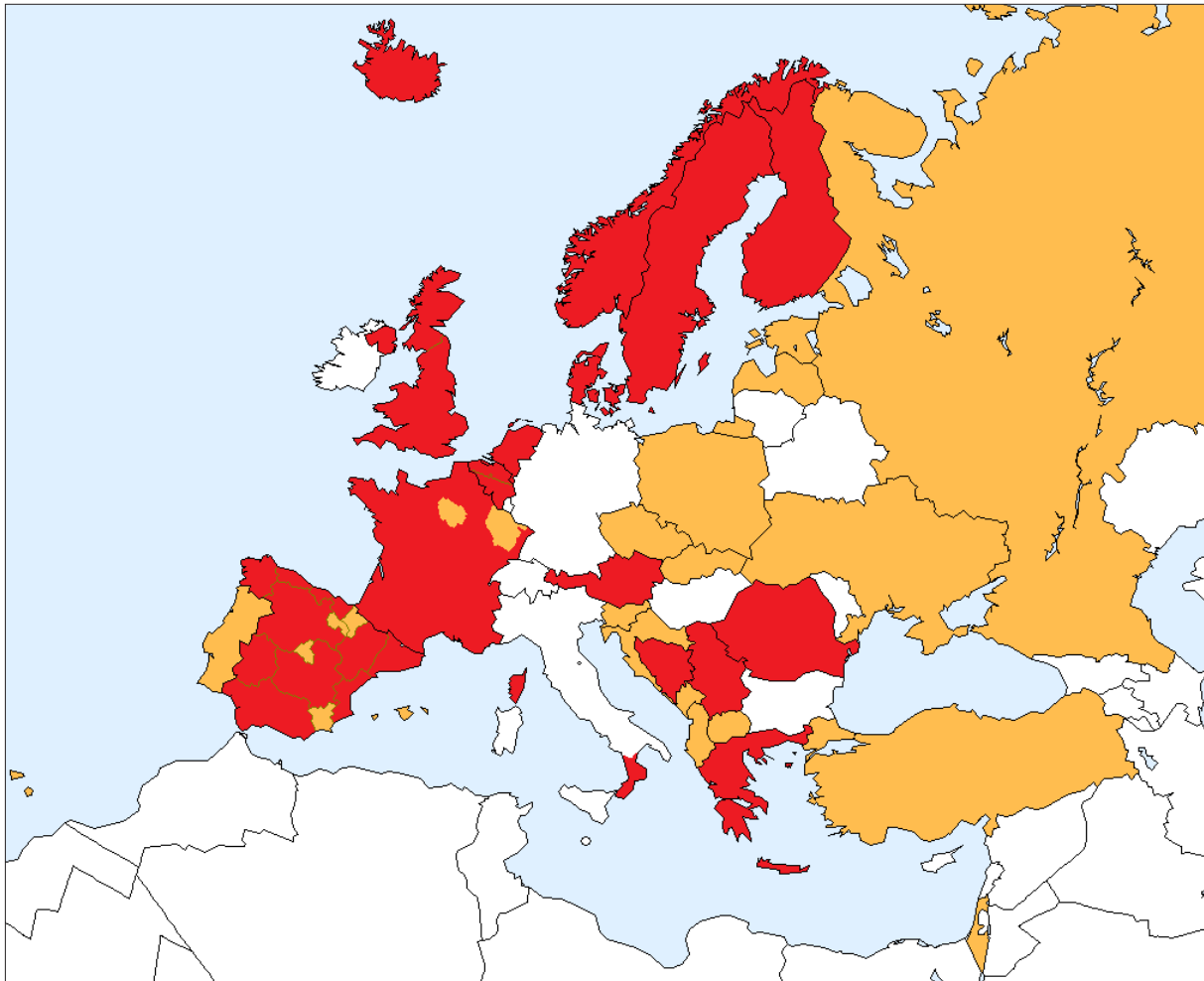
**Appendix 2 - Grouping of causes of death** ..... **129**

**Appendix 3 - Treatment modalities** ..... **130**

**Appendix 4 - Renal registries contributing data for the different types of analyses** ..... **131**

# **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 2011 it used 44 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 27 national and regional registries from 15 countries (shown in red in Figure 1), whereas section B relates to 17 national registries from 17 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, Albania provided data for the B-section of this annual report for the first time. In addition, Bosnia and Herzegovina and Serbia provided individual patient data for the A-section of the report for the first time.

### **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 new 2012 version of the ERA-EDTA Coding System for PRD. To facilitate the search for one of the 273 new codes the website also comprises a PRD search tool.

### **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**

	<b>General population of whole country/region in thousands</b>	<b>% Coverage of general population by the registry for individual patient data</b>
Austria	8424	100
Belgium, Dutch-speaking	6329	100
Belgium, French-speaking	4665	100
Bosnia and Herzegovina	3508	100
Denmark	5627	100
Finland	5388	100
France (23 of 26 regions)	64724	77.7
Greece	11300	100
Iceland	319	100
Norway	4953	100
Romania	21385	100
Serbia	7259	100
Spain, Andalusia	8437	100
Spain, Aragon	1348	100
Spain, Asturias	1081	100
Spain, Basque country	2189	100
Spain, Cantabria	594	100
Spain, Castile and León	2552	100
Spain, Castile-La Mancha	2119	100
Spain, Catalonia	7540	100
Spain, Extremadura	1109	100
Spain, Galicia	2788	100
Spain, Valencian region	5117	100
Sweden	9449	100
The Netherlands	16693	100
United Kingdom, All countries	62752	100
United Kingdom, England	52667	100
United Kingdom, Northern Ireland	1809	100
United Kingdom, Scotland	5253	100
United Kingdom, Wales	3023	100

Table A.1.2  
**Renal centres: total number of centres and number of collaborating centres**

	<b>Total number of renal centres of whole country/region</b>	<b>Number of renal centres collaborating with the registry for individual patient data</b>
Austria	79	79
Belgium, Dutch-speaking	27	27
Belgium, French-speaking	34	34
Bosnia and Herzegovina	27	27
Denmark	16	16
Finland	31	31
France (23 of 26 regions)	1120	942
Greece	169	169
Iceland	1	1
Norway	24	24
Romania	143	143
Serbia	57	57
Spain, Andalusia	59	59
Spain, Aragon	10	10
Spain, Asturias	10	10
Spain, Basque country	11	11
Spain, Cantabria	2	2
Spain, Castile and León	24	24
Spain, Castile-La Mancha	12	12
Spain, Catalonia	46	46
Spain, Extremadura	12	12
Spain, Galicia	24	24
Spain, Valencian region	48	48
Sweden	65	65
The Netherlands	75	75
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.2.1  
**Incident counts and percentages**  
*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	All	Men	Women	All	Men	Women									
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%								
Austria	1157	744	413	16	1	9	1	7	2	112	10	65	9	47	11	354	31	252	34	102	25	318	27	205	28	113	27	357	31	213	29	144	35
Belgium, Dutch-speaking *	1150	697	453							92	8	48	7	44	10	259	23	163	23	96	21	272	24	176	25	96	21	527	46	310	44	217	48
Belgium, French-speaking *	876	564	312							85	10	53	9	32	10	275	31	169	30	106	34	206	24	139	25	67	21	310	35	203	36	107	34
Bosnia and Herzegovina	423	245	178	7	2	5	2	2	1	52	12	39	16	13	7	171	40	109	44	62	35	126	30	60	24	66	37	67	16	32	13	35	20
Denmark	625	400	225	7	1	4	1	3	1	84	13	47	12	37	16	205	33	131	33	74	33	176	28	116	29	60	27	153	24	102	26	51	23
Finland	456	297	159	11	2	3	1	8	5	57	13	37	12	20	13	176	39	115	39	61	38	128	28	86	29	42	26	84	18	56	19	28	18
France (23 of 26 regions)	7518	4685	2833	90	1	53	1	37	1	656	9	408	9	248	9	2067	27	1302	28	765	27	1691	22	1088	23	603	21	3014	40	1834	39	1180	42
Greece	2294	1442	852	14	1	5	0	9	1	160	7	107	7	53	6	541	24	379	26	162	19	627	27	396	27	231	27	952	41	555	38	397	47
Iceland	33	22	11	2	6	2	9	0	0	7	21	3	14	4	36	8	24	6	27	2	18	8	24	6	27	2	18	8	24	5	23	3	27
Norway	503	354	149	12	2	7	2	5	3	77	15	54	15	23	15	164	33	116	33	48	32	115	23	82	23	33	22	135	27	95	27	40	27
Romania	2710	1569	1141	36	1	17	1	19	2	444	16	284	18	160	14	1134	42	691	44	443	39	703	26	377	24	326	29	393	15	200	13	193	17
Serbia	1043	637	406	9	1	4	1	5	1	139	13	81	13	58	14	461	44	303	48	158	39	270	26	143	22	127	31	164	16	106	17	58	14
Spain, Andalusia	947	595	352	10	1	5	1	5	1	121	13	73	12	48	14	297	31	202	34	95	27	275	29	176	30	99	28	244	26	139	23	105	30
Spain, Aragon	163	112	51	1	1	1	1	0	0	20	12	11	10	9	18	47	29	34	30	13	25	48	29	35	31	13	25	47	29	31	28	16	31
Spain, Asturias	155	94	61	2	1	1	1	1	2	13	8	6	6	7	11	46	30	32	34	14	23	43	28	28	30	15	25	51	33	27	29	24	39
Spain, Basque country	242	165	77	4	2	2	1	2	3	32	13	20	12	12	16	66	27	41	25	25	32	73	30	48	29	25	32	67	28	54	33	13	17
Spain, Cantabria *	65	39	26							16	25	9	23	7	27	27	42	16	41	11	42	11	17	7	18	4	15	11	17	7	18	4	15
Spain, Castile and León *	305	204	101							32	10	22	11	10	10	78	26	58	28	20	20	76	25	53	26	23	23	119	39	71	35	48	48
Spain, Castile-La Mancha *	201	127	74							27	13	16	13	11	15	61	30	43	34	18	24	64	32	43	34	21	28	49	24	25	20	24	32
Spain, Catalonia	955	603	352	11	1	3	0	8	2	122	13	68	11	54	15	290	30	189	31	101	29	241	25	165	27	76	22	291	30	178	30	113	32
Spain, Extremadura	118	76	42	2	2	1	1	1	2	15	13	12	16	3	7	37	31	27	36	10	24	26	22	15	20	11	26	38	32	21	28	17	40
Spain, Galicia	400	260	140	7	2	2	1	5	4	52	13	37	14	15	11	127	32	76	29	51	36	95	24	68	26	27	19	119	30	77	30	42	30
Spain, Valencian region	677	451	226	15	2	14	3	1	0	78	12	47	10	31	14	217	32	142	31	75	33	172	25	128	28	44	19	195	29	120	27	75	33
Sweden	1157	758	399	17	1	8	1	9	2	149	13	90	12	59	15	361	31	239	32	122	31	304	26	211	28	93	23	326	28	210	28	116	29
The Netherlands	1952	1220	732	28	1	14	1	14	2	218	11	134	11	84	11	631	32	400	33	231	32	519	27	307	25	212	29	556	28	365	30	191	26
United Kingdom, All countries *	6736	4242	2494							1124	17	681	16	443	18	2235	33	1377	32	858	34	1666	25	1056	25	610	24	1711	25	1128	27	583	23
United Kingdom, England *	5696	3625	2071							969	17	593	16	376	18	1877	33	1169	32	708	34	1404	25	895	25	509	25	1446	25	968	27	478	23
United Kingdom, Northern Ireland *	201	121	80							29	14	19	16	10	13	71	35	45	37	26	33	52	26	30	25	22	28	49	24	27	22	22	28
United Kingdom, Scotland	507	289	218	12	2	7	2	5	2	74	15	40	14	34	16	180	36	103	36	77	35	127	25	75	26	52	24	114	22	64	22	50	23
United Kingdom, Wales * ‡	344	214	130							52	15	29	14	23	18	107	31	60	28	47	36	83	24	56	26	27	21	102	30	69	32	33	25

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 incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

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	65.2	15.9	68.5	64.3	65.0	15.3	67.4	35.7	65.6	16.9	70.3
Belgium, Dutch-speaking *	100	69.5	14.6	73.4	60.6	69.6	14.0	73.1	39.4	69.3	15.5	74.3
Belgium, French-speaking *	100	66.8	14.9	69.5	64.4	67.0	14.6	69.6	35.6	66.3	15.5	67.8
Bosnia and Herzegovina	100	61.1	15.5	63.7	57.9	58.5	16.3	61.0	42.1	64.7	13.7	66.9
Denmark	100	63.0	16.1	65.9	64.0	63.8	15.3	66.2	36.0	61.6	17.3	64.9
Finland	100	60.9	16.4	64.1	65.1	61.8	15.0	64.5	34.9	59.3	18.6	63.7
France (23 of 26 regions)	100	67.5	16.4	71.1	62.3	67.3	16.3	70.7	37.7	67.7	16.5	71.9
Greece	100	68.9	14.5	72.7	62.9	68.1	14.3	71.5	37.1	70.2	14.7	74.2
Iceland	100	58.2	21.7	63.6	66.7	58.7	22.0	66.3	33.3	57.2	22.1	60.4
Norway	100	61.9	18.0	64.9	70.4	62.1	17.7	65.1	29.6	61.4	18.5	64.8
Romania	100	59.6	15.1	61.7	57.9	58.7	14.8	60.6	42.1	60.8	15.4	63.0
Serbia	100	60.5	14.5	62.3	61.1	60.5	14.3	62.0	38.9	60.5	14.9	62.7
Spain, Andalusia	100	63.0	16.0	66.8	62.8	62.9	15.4	65.9	37.2	63.2	17.1	67.4
Spain, Aragon	100	64.3	15.4	68.4	68.7	64.4	14.9	68.1	31.3	64.0	16.7	69.9
Spain, Asturias	100	65.4	15.2	68.7	60.6	65.1	13.9	66.8	39.4	66.0	17.1	70.2
Spain, Basque country	100	63.6	16.3	67.1	68.2	65.3	15.5	69.0	31.8	59.9	17.2	65.0
Spain, Cantabria *	100	57.6	15.9	57.6	60.0	58.6	15.6	60.5	40.0	56.0	16.5	56.4
Spain, Castile and León *	100	67.1	14.5	70.5	66.9	66.2	14.5	69.8	33.1	68.9	14.3	74.0
Spain, Castile-La Mancha *	100	64.4	14.4	67.5	63.2	64.1	13.9	66.2	36.8	64.8	15.3	68.8
Spain, Catalonia	100	63.8	16.3	66.8	63.1	64.7	15.3	67.5	36.9	62.2	18.0	65.8
Spain, Extremadura	100	64.0	16.4	67.2	64.4	62.1	16.5	64.2	35.6	67.4	16.0	71.1
Spain, Galicia	100	63.4	16.2	66.0	65.0	63.7	15.6	66.5	35.0	62.9	17.4	64.4
Spain, Valencian region	100	63.3	16.9	66.8	66.6	62.9	17.4	67.3	33.4	64.2	15.8	66.4
Sweden	100	63.6	16.7	66.8	65.5	64.2	15.9	67.0	34.5	62.5	18.0	66.1
The Netherlands	100	64.2	15.8	66.8	62.5	64.5	15.5	67.3	37.5	63.6	16.3	66.4
United Kingdom, All countries *	100	62.3	16.2	65.1	63.0	62.8	16.3	65.6	37.0	61.5	16.2	64.1
United Kingdom, England *	100	62.2	16.3	65.0	63.6	62.6	16.4	65.6	36.4	61.4	16.2	64.0
United Kingdom, Northern Ireland *	100	62.2	15.7	65.1	60.2	62.2	15.4	64.1	39.8	62.3	16.1	67.6
United Kingdom, Scotland	100	61.2	16.9	63.9	57.0	61.5	16.8	64.7	43.0	60.8	16.9	62.6
United Kingdom, Wales *	100	64.0	16.3	66.6	62.2	65.3	16.0	69.0	37.8	62.0	16.6	64.5

*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*

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	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
Austria	137.4	181.2	95.7	9.3	10.2	8.3	38.8	44.9	32.7	152.1	218.5	86.9	391.4	544.1	259.4	527.3	867.8	333.6
Belgium, Dutch-speaking *	181.7	223.1	141.4				45.5	47.0	44.0	147.6	184.1	110.4	464.5	627.4	314.7	907.1	1350.5	617.5
Belgium, French-speaking *	187.8	248.7	130.1				53.3	66.3	40.3	226.6	282.5	172.2	578.3	856.6	345.5	813.9	1496.9	436.3
Bosnia and Herzegovina	120.6	142.5	99.5	8.0	11.4	4.6	41.6	61.7	21.0	191.9	250.0	136.3	354.2	381.1	332.9	497.8	574.4	443.7
Denmark	111.1	143.3	79.3	5.1	5.7	4.5	46.7	51.8	41.5	135.9	173.1	98.5	314.6	428.1	208.0	386.8	649.2	213.9
Finland	84.6	112.3	58.0	9.0	4.8	13.4	34.0	43.1	24.4	114.9	150.8	79.3	245.8	353.9	151.2	191.1	352.8	99.7
France (23 of 26 regions)	149.5	191.5	109.7	7.4	8.5	6.3	41.3	51.0	31.4	153.9	198.4	111.4	403.6	553.4	271.1	648.8	1064.3	403.8
Greece	203.0	257.8	149.3	6.4	4.4	8.5	40.6	52.6	27.8	181.8	258.9	107.1	563.9	785.5	380.1	874.4	1187.6	638.9
Iceland	103.4	137.3	69.3	22.3	43.6	0	62.8	52.9	73.0	102.4	152.5	51.6	381.8	582.3	187.8	425.6	622.4	278.8
Norway	101.6	142.7	60.2	9.6	10.9	8.2	45.5	62.5	27.8	130.1	180.6	77.7	285.1	418.4	159.1	383.8	692.7	186.4
Romania	126.7	150.7	104.0	8.2	7.5	8.9	52.1	65.3	38.3	215.6	274.6	161.4	395.8	500.8	318.6	276.8	374.0	218.0
Serbia	143.7	180.4	108.9	6.0	5.2	6.8	56.7	65.4	47.8	221.7	301.4	147.1	406.9	490.4	341.5	293.3	475.8	172.4
Spain, Andalusia	112.2	142.5	82.6	5.4	5.3	5.6	37.6	44.4	30.4	142.8	196.1	90.4	415.4	570.7	279.9	387.4	564.9	273.6
Spain, Aragon	120.9	166.8	75.4	4.1	7.9	0	41.4	43.7	39.0	134.1	191.9	75.1	408.8	630.2	210.1	308.6	507.5	175.4
Spain, Asturias	143.3	181.3	108.4	13.0	12.6	13.3	35.3	32.2	38.6	144.9	207.3	85.8	409.0	583.7	262.4	373.0	530.9	279.6
Spain, Basque country	110.6	154.4	68.7	10.4	10.1	10.7	42.1	51.4	32.4	107.3	135.7	79.9	356.1	504.0	227.8	296.5	633.4	92.4
Spain, Cantabria *	109.5	134.5	85.7				75.1	83.2	66.7	163.4	195.3	132.1	221.6	303.1	150.6	176.6	298.4	103.0
Spain, Castile and León *	119.5	161.3	78.4				37.4	49.9	24.1	111.9	162.5	58.8	307.4	449.1	178.0	352.4	525.0	237.1
Spain, Castile-La Mancha *	94.9	118.9	70.4				33.7	38.1	28.7	120.9	166.0	73.3	392.5	561.2	243.0	233.7	286.8	195.9
Spain, Catalonia	126.7	161.6	92.5	7.3	3.9	10.9	42.2	45.6	38.6	154.8	204.1	106.6	396.0	580.9	234.1	443.0	709.5	278.4
Spain, Extremadura	106.4	138.0	75.2	9.1	8.8	9.3	38.3	59.9	15.7	130.5	185.6	72.4	271.6	334.4	216.2	324.0	452.3	239.9
Spain, Galicia	143.4	193.1	97.1	15.9	8.8	23.5	53.6	75.7	31.2	170.1	207.1	134.2	329.3	509.3	174.2	345.8	586.0	197.4
Spain, Valencian region	132.3	177.4	87.8	14.8	26.9	2.0	40.3	47.1	33.1	167.6	222.0	114.5	377.1	593.5	183.0	463.3	713.8	296.7
Sweden	122.4	161.0	84.2	7.8	7.1	8.5	48.2	57.0	39.0	149.4	196.4	101.8	317.1	448.6	190.5	406.3	651.1	241.8
The Netherlands	116.9	147.6	86.8	7.2	7.0	7.3	40.0	49.0	31.0	134.6	169.8	99.0	351.6	427.5	279.8	471.3	802.1	263.6
United Kingdom, All countries *	107.3	137.2	78.3				52.7	63.2	41.9	139.2	174.5	105.1	300.0	398.6	210.0	342.8	559.9	195.8
United Kingdom, England *	108.2	139.4	77.7				53.8	65.0	42.2	140.3	177.4	104.3	303.6	404.9	210.8	344.8	568.9	191.8
United Kingdom, Northern Ireland *	111.1	136.0	87.0				46.5	60.9	32.1	162.0	208.7	116.7	354.6	433.0	284.3	408.7	581.6	299.5
United Kingdom, Scotland	96.5	113.5	80.6	10.2	11.7	8.7	42.2	45.9	38.5	125.5	148.5	104.0	265.4	336.2	203.5	276.9	403.9	197.4
United Kingdom, Wales * ‡	113.8	144.5	84.3				55.1	61.6	48.7	133.4	153.1	114.6	272.8	382.3	171.2	382.4	638.3	208.1

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

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

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	137.4	100	13.9	10.1	5.3	3.9	4.3	3.1	4.6	3.4	35.3	25.7	39.9	29.0	15.2	11.1	17.5	12.7	24.9	18.2	16.4	11.9	0	0
Belgium, Dutch-speaking *	181.7	100	16.6	9.1	8.2	4.5	8.7	4.8	4.4	2.4	33.3	18.3	37.8	20.8	14.5	8.0	10.7	5.9	70.6	38.9	14.5	8.0	0	0
Belgium, French-speaking *	187.8	100	19.9	10.6	11.6	6.2	7.1	3.8	3.2	1.7	34.7	18.5	37.9	20.2	40.1	21.3	11.1	5.9	49.1	26.1	10.9	5.8	0	0
Bosnia and Herzegovina	120.6	100	14.3	11.8	18.0	14.9	5.4	4.5	24.2	20.1	7.1	5.9	31.4	26.0	16.2	13.5	1.7	1.4	22.2	18.4	11.4	9.5	0	0
Denmark	111.1	100	9.6	8.6	4.6	4.2	8.7	7.8	11.4	10.2	18.3	16.5	29.7	26.7	15.1	13.6	0.4	0.3	19.4	17.4	23.6	21.3	0	0
Finland	84.6	100	11.3	13.4	3.7	4.4	6.1	7.2	12.1	14.3	17.6	20.8	29.7	35.1	4.8	5.7	1.1	1.3	17.1	20.2	10.8	12.7	0	0
France (23 of 26 regions)	149.5	100	16.7	11.2	7.1	4.8	10.0	6.7					32.6	21.8	35.6	23.8	2.1	1.4	23.4	15.6	21.6	14.5	0.3	0.2
Greece	203.0	100	18.1	8.9	10.6	5.2	8.7	4.3	2.4	1.2	52.4	25.8	54.8	27.0	21.9	10.8	3.6	1.8	19.5	9.6	65.8	32.4	0	0
Iceland	103.4	100	18.8	18.2	3.1	3.0	0	0	18.8	18.2	21.9	21.2	40.8	39.4	15.7	15.2	0	0	21.9	21.2	3.1	3.0	0	0
Norway	101.6	100	17.4	17.1	5.7	5.6	6.1	6.0	4.0	4.0	10.5	10.3	14.5	14.3	32.3	31.8	3.6	3.6	19.4	19.1	2.6	2.6	0	0
Romania	126.7	100	24.8	19.6	8.7	6.9	3.8	3.0					16.6	13.1	5.6	4.4	1.0	0.8	21.9	17.3	44.3	35.0	0	0
Serbia	143.7	100	13.5	9.4	16.3	11.3	8.8	6.1					31.3	21.8	36.2	25.2	0.4	0.3	23.8	16.6	13.4	9.3	0	0
Spain, Andalusia	112.2	100	11.5	10.2	10.5	9.4	7.8	7.0					27.1	24.2	9.0	8.0	5.5	4.9	12.8	11.4	28.0	24.9	0	0
Spain, Aragon	120.9	100	17.8	14.7	6.7	5.5	4.5	3.7	5.9	4.9	17.1	14.1	23.0	19.0	14.1	11.7	3.7	3.1	18.5	15.3	32.6	27.0	0	0
Spain, Asturias	143.3	100	13.9	9.7	5.5	3.9	13.9	9.7	5.5	3.9	20.3	14.2	25.9	18.1	16.6	11.6	7.4	5.2	13.9	9.7	46.2	32.2	0	0
Spain, Basque country	110.6	100	12.3	11.2	7.8	7.0	6.4	5.8	2.7	2.5	15.5	14.0	18.3	16.5	14.6	13.2	7.3	6.6	18.3	16.5	24.7	22.3	0.9	0.8
Spain, Cantabria *	109.5	100	15.2	13.8	1.7	1.5	6.7	6.2	8.4	7.7	15.2	13.8	23.6	21.5	13.5	12.3	23.6	21.5	20.2	18.5	5.1	4.6	0	0
Spain, Castile and León *	119.5	100	16.5	13.8	3.5	2.9	5.5	4.6	9.8	8.2	22.3	18.7	32.1	26.9	25.1	21.0	1.2	1.0	14.9	12.5	20.8	17.4	0	0
Spain, Castile-La Mancha *	94.9	100	10.9	11.4	7.1	7.5	9.9	10.4					26.0	27.4	6.1	6.5	2.8	3.0	12.7	13.4	19.4	20.4	0	0
Spain, Catalonia	126.7	100	16.7	13.2	7.2	5.7	9.4	7.4	2.1	1.7	23.2	18.3	25.3	20.0	15.5	12.3	4.1	3.2	12.9	10.2	35.1	27.7	0	0
Spain, Extremadura	106.4	100	13.5	12.7	4.5	4.2	8.1	7.6					29.8	28.0	10.8	10.2	1.8	1.7	6.3	5.9	31.6	29.7	0	0
Spain, Galicia	143.4	100	14.3	10.0	4.3	3.0	12.9	9.0	4.7	3.3	32.3	22.5	36.9	25.7	17.2	12.0	5.4	3.8	20.4	14.3	31.9	22.3	0	0
Spain, Valencian region	132.3	100	15.0	11.4	10.0	7.5	7.6	5.8					21.5	16.2	21.1	16.0	9.0	6.8	14.5	10.9	33.6	25.4	0	0
Sweden	122.4	100	17.4	14.2	3.8	3.1	8.4	6.8	11.3	9.2	18.4	15.0	29.7	24.3	17.9	14.6	7.2	5.9	21.4	17.5	16.7	13.7	0	0
The Netherlands	116.9	100	8.7	7.5	4.0	3.4	4.1	3.5	3.4	2.9	15.2	13.0	18.6	15.9	14.3	12.2	15.7	13.4	18.3	15.6	10.4	8.9	22.9	19.6
United Kingdom, All countries *	107.3	100	12.4	11.5	6.5	6.1	6.7	6.2					23.4	21.8	6.6	6.1	4.4	4.1	17.5	16.3	19.4	18.1	10.5	9.8
United Kingdom, England *	108.2	100	11.5	10.7	6.3	5.8	6.6	6.1					22.9	21.2	7.0	6.4	3.6	3.3	18.0	16.7	19.9	18.4	12.4	11.5
United Kingdom, Northern Ireland *	111.1	100	14.4	12.9	11.6	10.4	8.3	7.5					26.0	23.4	5.0	4.5	7.7	7.0	22.7	20.4	15.5	13.9	0	0
United Kingdom, Scotland	96.5	100	17.1	17.8	7.2	7.5	8.6	8.9					23.0	23.9	4.8	4.9	8.0	8.3	13.5	14.0	14.1	14.6	0.2	0.2
United Kingdom, Wales * ‡	113.8	100	18.2	16.0	6.3	5.5	4.6	4.1					31.8	27.9	3.6	3.2	9.9	8.7	14.9	13.1	22.8	20.1	1.7	1.5

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

Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown

Percentages are row percentages

When cells are left empty, (complete) data are unavailable

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

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

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
					Type I	Type II	Both					
					Pmp	Pmp	Pmp					
Austria	131.3	13.4	5.2	4.1	4.5	33.7	38.2	14.4	16.3	24.1	15.6	0
Belgium, Dutch-speaking *	161.6	15.5	7.2	8.2	4.4	29.9	34.2	12.4	8.9	61.9	13.3	0
Belgium, French-speaking *	190.8	20.4	11.9	7.3	3.5	35.8	39.3	39.4	11.5	50.0	11.0	0
Bosnia and Herzegovina	135.0	15.2	20.7	5.6	25.8	7.7	33.6	18.2	1.8	25.6	14.2	0
Denmark	108.4	9.4	4.6	8.5	11.1	17.4	28.5	14.7	0.3	19.3	23.1	0
Finland	78.3	10.9	3.5	5.4	11.7	15.5	27.2	4.4	1.0	16.0	10.0	0
France (23 of 26 regions)	139.1	16.4	6.8	9.7			30.9	30.9	1.8	22.4	19.8	0.3
Greece	174.6	16.7	9.1	8.2	2.4	44.9	47.3	18.2	3.1	17.0	54.8	0
Iceland	120.0	19.9	3.7	0	19.7	29.0	48.7	17.6	0	26.3	3.7	0
Norway	105.1	17.8	5.7	6.2	4.1	10.9	15.0	33.7	3.9	20.1	2.6	0
Romania	129.1	24.9	8.9	3.8			16.6	5.8	1.1	22.5	45.4	0
Serbia	133.4	13.5	15.2	8.2			28.5	33.3	0.4	22.0	12.4	0
Spain, Andalusia	117.5	11.6	11.0	8.0			29.1	9.5	5.8	13.5	29.0	0
Spain, Aragon	110.4	16.6	5.8	4.4	5.6	15.3	21.0	12.7	2.4	17.6	29.9	0
Spain, Asturias	117.5	12.3	4.8	11.4	4.9	17.7	22.5	11.9	5.7	11.1	37.8	0
Spain, Basque country	98.5	11.4	7.3	5.8	2.5	13.7	16.2	12.6	6.1	17.4	20.9	0.9
Spain, Cantabria *	102.8	15.6	1.6	6.0	7.7	14.2	21.9	11.7	22.1	18.9	4.9	0
Spain, Castile and León *	96.0	13.9	3.2	4.6	8.7	18.2	26.9	18.4	0.8	12.4	15.9	0
Spain, Castile-La Mancha *	96.1	10.6	7.0	10.5			27.4	6.3	2.7	12.7	19.0	0
Spain, Catalonia	125.3	16.7	7.2	9.4	2.0	23.5	25.9	14.9	4.1	12.9	34.3	0
Spain, Extremadura	97.1	11.8	4.4	7.8			26.5	10.4	1.5	6.0	28.7	0
Spain, Galicia	120.5	12.6	3.8	11.6	4.3	26.3	30.6	13.6	3.9	19.1	25.4	0
Spain, Valencian region	127.1	14.5	9.8	7.5			20.8	20.2	8.6	13.7	31.9	0
Sweden	115.0	17.1	3.6	8.0	11.3	16.9	28.2	16.0	6.1	20.4	15.5	0
The Netherlands	116.1	8.5	4.0	3.9	3.4	15.0	18.4	14.5	16.1	18.1	10.4	22.2
United Kingdom, All countries *	107.0	12.5	6.5	6.8			23.7	6.6	4.2	17.6	18.8	10.4
United Kingdom, England *	108.1	11.6	6.3	6.7			23.3	7.0	3.4	18.1	19.4	12.3
United Kingdom, Northern Ireland *	121.1	15.5	12.7	8.9			28.1	5.3	8.9	25.2	16.5	0
United Kingdom, Scotland	94.4	17.0	7.1	8.2			22.6	4.6	7.8	13.1	13.8	0.2
United Kingdom, Wales * ‡	104.8	17.4	5.9	4.6			30.3	3.2	8.2	13.9	20.0	1.4

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

When cells are left empty, (complete) data are unavailable

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

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012



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	%								
Austria	1061	687	374	15	1	8	1	7	2	109	10	64	9	45	12	319	30	229	33	90	24	292	28	194	28	98	26	326	31	192	28	134	36
Belgium, Dutch-speaking *	1043	633	410							90	9	47	7	43	10	238	23	148	23	90	22	245	23	155	24	90	22	470	45	283	45	187	46
Belgium, French-speaking *	776	496	280							77	10	46	9	31	11	248	32	148	30	100	36	183	24	125	25	58	21	268	35	177	36	91	33
Bosnia and Herzegovina †	378	226	152	6	2	4	2	2	1	51	13	39	17	12	8	158	42	102	45	55	36	107	28	54	24	54	36	56	15	27	12	29	19
Denmark †	590	377	213	7	1	4	1	3	1	83	14	46	12	37	17	192	33	123	33	69	33	163	28	108	29	54	26	145	25	96	25	50	23
Finland	446	289	157	11	2	3	1	8	5	56	13	36	12	20	13	172	39	112	39	60	38	126	28	85	29	41	26	81	18	53	18	28	18
France (23 of 26 regions)	6903	4288	2615	83	1	49	1	34	1	634	9	391	9	243	9	1963	28	1243	29	720	28	1568	23	1000	23	568	22	2655	38	1605	37	1050	40
Greece	2064	1315	749	14	1	5	0	9	1	153	7	101	8	52	7	512	25	361	27	151	20	559	27	355	27	204	27	826	40	493	37	333	44
Iceland	33	22	11	2	6	2	9	0	0	7	21	3	14	4	36	8	24	6	27	2	18	6	18	4	18	2	18	10	30	7	32	3	27
Norway	477	339	138	12	3	7	2	5	4	75	16	52	15	23	17	151	32	107	32	44	32	111	23	80	24	31	22	128	27	93	27	35	25
Romania	2235	1289	946	31	1	14	1	17	2	399	18	255	20	144	15	961	43	588	46	373	39	542	24	284	22	258	27	302	14	148	11	154	16
Serbia	960	592	368	8	1	3	1	5	1	137	14	81	14	56	15	435	45	286	48	149	40	236	25	127	21	109	30	144	15	95	16	49	13
Spain, Andalusia	910	571	339	10	1	5	1	5	1	114	13	71	12	43	13	289	32	194	34	95	28	263	29	167	29	96	28	234	26	134	23	100	29
Spain, Aragon	156	106	50	0	0	0	0	0	0	21	13	12	11	9	18	46	29	34	32	12	24	43	28	30	28	13	26	46	29	30	28	16	32
Spain, Asturias †	148	91	57	2	1	1	1	1	2	13	9	6	7	7	12	42	29	30	33	12	20	39	27	26	28	13	23	52	35	28	31	24	42
Spain, Basque country	238	162	76	4	2	2	1	2	3	31	13	19	12	12	16	64	27	41	25	23	30	72	30	46	28	26	34	67	28	54	33	13	17
Spain, Cantabria *	62	37	25							16	26	9	24	7	28	26	42	15	41	11	44	10	16	7	19	3	12	10	16	6	16	4	16
Spain, Castile and León *	296	198	98							31	10	21	11	10	10	73	25	55	28	18	18	75	25	52	26	23	23	117	40	70	35	47	48
Spain, Castile-La Mancha *	200	125	75							29	15	17	14	12	16	59	30	40	32	19	25	61	31	42	34	19	25	51	26	26	21	25	33
Spain, Catalonia †	922	575	347	11	1	3	1	8	2	119	13	67	12	52	15	286	31	185	32	100	29	230	25	158	27	72	21	276	30	162	28	115	33
Spain, Extremadura †	117	80	37	1	1	1	1	0	0	15	13	13	17	2	5	40	34	28	35	11	31	24	21	16	19	9	24	37	32	22	28	15	41
Spain, Galicia †	384	251	133	7	2	2	1	5	4	50	13	36	14	14	11	125	33	73	29	52	39	89	23	65	26	24	18	113	29	75	30	38	29
Spain, Valencian region	659	440	219	15	2	14	3	1	0	79	12	48	11	31	14	212	32	139	32	73	33	165	25	123	28	42	19	188	29	116	26	72	33
Sweden	1028	673	355	15	1	8	1	7	2	143	14	86	13	57	16	334	32	219	33	115	32	253	25	176	26	77	22	283	28	184	27	99	28
The Netherlands	1804	1128	676	27	1	14	1	13	2	212	12	128	11	84	12	590	33	373	33	217	32	465	26	277	25	188	28	510	28	336	30	174	26
United Kingdom, All countries * †	6313	3983	2330							1078	17	661	17	417	18	2150	34	1318	33	832	36	1538	24	970	24	568	24	1547	24	1034	26	513	22
United Kingdom, England * †	5335	3395	1940							930	17	574	17	356	18	1813	34	1126	33	687	35	1285	24	809	24	476	25	1307	25	886	26	421	22
United Kingdom, Northern Ireland * †	189	117	72							27	14	18	15	9	13	69	37	45	38	24	33	52	28	30	26	22	31	41	22	24	21	17	24
United Kingdom, Scotland	476	275	201	11	2	7	3	4	2	72	15	41	15	31	15	170	36	93	34	77	38	122	26	76	28	46	23	101	21	58	21	43	21
United Kingdom, Wales * † ‡	329	203	126							49	15	28	14	21	17	100	30	55	27	45	36	79	24	53	26	26	21	101	31	67	33	34	27

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)

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

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	65.1	15.9	68.4	64.8	64.8	15.2	67.3	35.2	65.4	17.1	70.3
Belgium, Dutch-speaking *	100	69.2	14.8	73.2	60.7	69.5	14.2	73.3	39.3	68.6	15.6	73.0
Belgium, French-speaking *	100	66.4	14.9	68.7	63.9	66.9	14.5	69.7	36.1	65.6	15.7	66.6
Bosnia and Herzegovina †	100	60.6	14.5	63.1	59.9	58.6	15.0	60.2	40.1	63.7	13.1	67.1
Denmark †	100	62.6	16.3	65.8	63.9	63.4	15.6	66.5	36.1	61.2	17.4	64.4
Finland	100	61.0	16.4	64.2	64.8	61.9	15.0	64.5	35.2	59.3	18.6	63.8
France (23 of 26 regions)	100	67.0	16.5	70.3	62.1	66.8	16.4	69.9	37.9	67.3	16.6	71.1
Greece	100	68.3	14.7	71.9	63.7	67.7	14.4	71.1	36.3	69.5	15.1	73.6
Iceland	100	58.4	21.7	63.9	66.7	58.9	22.0	66.6	33.3	57.5	22.1	60.6
Norway	100	61.7	18.1	65.1	71.1	62.2	17.8	65.5	28.9	60.6	18.6	64.4
Romania	100	58.8	15.1	60.8	57.7	57.7	14.8	59.5	42.3	60.2	15.5	62.4
Serbia	100	59.9	14.5	61.7	61.7	60.0	14.3	61.6	38.3	59.8	15.0	62.1
Spain, Andalusia	100	63.1	15.9	66.8	62.7	62.8	15.4	65.6	37.3	63.5	16.8	67.5
Spain, Aragon	100	64.0	15.6	68.2	67.9	64.0	15.1	67.6	32.1	64.0	16.8	69.8
Spain, Asturias †	100	66.3	15.3	69.8	61.6	65.8	14.2	67.4	38.4	67.1	17.2	71.8
Spain, Basque country	100	63.7	16.4	67.4	68.1	65.4	15.6	69.0	31.9	60.1	17.4	65.2
Spain, Cantabria *	100	57.2	16.0	57.5	59.7	58.3	15.7	57.9	40.3	55.6	16.5	56.0
Spain, Castile and León *	100	67.1	14.6	70.7	66.9	66.1	14.6	69.8	33.1	69.2	14.4	74.3
Spain, Castile-La Mancha *	100	63.9	14.8	67.1	62.5	63.9	14.1	66.2	37.5	64.0	16.1	68.7
Spain, Catalonia †	100	63.6	16.1	66.8	62.4	64.5	15.3	67.6	37.6	62.1	17.4	65.5
Spain, Extremadura †	100	65.1	16.1	69.0	68.6	63.0	16.6	66.0	31.4	69.5	14.4	72.7
Spain, Galicia †	100	63.2	16.6	66.2	65.3	63.1	16.0	66.5	34.7	63.3	17.8	65.6
Spain, Valencian region	100	63.3	17.0	66.9	66.8	62.8	17.4	67.0	33.2	64.2	16.0	66.5
Sweden	100	62.9	16.8	65.9	65.5	63.5	16.1	66.4	34.5	61.9	18.1	64.9
The Netherlands	100	63.9	16.0	66.5	62.5	64.4	15.7	67.1	37.5	63.2	16.4	66.1
United Kingdom, All countries * †	100	61.9	16.5	64.7	63.1	62.3	16.6	65.2	36.9	61.2	16.2	63.9
United Kingdom, England * †	100	61.9	16.6	64.7	63.6	62.3	16.8	65.2	36.4	61.1	16.2	63.8
United Kingdom, Northern Ireland * †	100	62.4	16.0	66.2	61.9	63.0	15.1	65.3	38.1	61.4	17.6	67.9
United Kingdom, Scotland	100	60.7	17.0	63.4	57.8	61.2	16.9	64.5	42.2	60.1	17.0	62.0
United Kingdom, Wales * †	100	63.6	16.5	66.0	61.7	64.0	16.6	67.6	38.3	62.9	16.3	64.9

*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	126.0	167.3	86.6	8.7	9.1	8.3	37.8	44.2	31.3	137.1	198.6	76.7	359.4	514.9	224.9	481.5	782.2	310.5
Belgium, Dutch-speaking *	164.8	202.6	128.0				44.5	46.0	43.0	135.6	167.1	103.5	418.4	552.5	295.0	809.0	1232.9	532.1
Belgium, French-speaking *	166.3	218.7	116.8				48.3	57.6	39.0	204.3	247.4	162.4	513.8	770.3	299.1	703.7	1305.2	371.0
Bosnia and Herzegovina †	107.7	131.6	84.6	6.5	8.4	4.6	40.5	61.7	18.8	177.3	235.5	121.6	301.7	340.9	270.7	416.1	490.6	363.4
Denmark †	104.9	135.2	75.1	5.1	5.7	4.5	46.1	50.7	41.5	127.5	162.5	92.3	290.8	399.8	188.3	367.5	611.0	206.9
Finland	82.8	109.2	57.2	9.0	4.8	13.4	33.4	41.9	24.4	112.3	146.9	78.0	242.0	349.8	147.6	184.2	333.9	99.7
France (23 of 26 regions)	137.3	175.3	101.3	6.8	7.9	5.8	39.9	48.9	30.8	146.2	189.4	104.9	374.2	508.6	255.4	571.5	931.4	359.3
Greece	182.6	235.1	131.3	6.4	4.4	8.5	38.8	49.7	27.3	172.0	246.6	99.9	502.7	704.2	335.7	758.7	1055.0	535.9
Iceland	103.4	137.3	69.3	22.3	43.6	0	62.8	52.9	73.0	102.4	152.5	51.6	286.4	388.2	187.8	532.1	871.4	278.8
Norway	96.3	136.7	55.8	9.6	10.9	8.2	44.4	60.2	27.8	119.8	166.6	71.2	275.2	408.2	149.5	363.9	678.1	163.1
Romania	104.5	123.8	86.2	7.0	6.2	7.9	46.8	58.6	34.4	182.7	233.7	135.9	305.2	377.2	252.1	212.7	276.8	174.0
Serbia	132.3	167.7	98.7	5.3	3.9	6.8	55.9	65.4	46.2	209.2	284.5	138.7	355.7	435.5	293.1	257.5	426.4	145.7
Spain, Andalusia	107.9	136.8	79.5	5.4	5.3	5.6	35.4	43.2	27.2	138.9	188.3	90.4	397.3	541.5	271.5	371.5	544.6	260.6
Spain, Aragon	115.7	157.8	73.9	0	0	0	43.5	47.7	39.0	131.3	191.9	69.3	366.2	540.2	210.1	302.0	491.1	175.4
Spain, Asturias †	137.2	176.1	101.3	13.0	12.6	13.3	35.3	32.2	38.6	133.3	198.7	71.5	374.1	535.0	239.0	377.9	550.5	275.7
Spain, Basque country	108.7	151.6	67.8	10.4	10.1	10.7	40.8	48.9	32.4	104.1	135.7	73.5	351.3	483.0	236.9	296.5	633.4	92.4
Spain, Cantabria *	104.5	127.6	82.4				75.1	83.2	66.7	157.4	183.1	132.1	201.4	303.1	113.0	160.5	255.8	103.0
Spain, Castile and León *	116.0	156.6	76.1				36.2	47.6	24.1	104.7	154.1	52.9	303.4	440.6	178.0	346.5	517.6	232.2
Spain, Castile-La Mancha *	94.4	117.0	71.4				36.1	40.5	31.3	116.9	154.4	77.4	374.1	548.1	219.8	243.2	298.3	204.1
Spain, Catalonia †	122.2	154.1	91.1	7.3	3.9	10.9	41.0	44.9	36.9	152.3	200.2	105.5	378.4	556.2	222.9	420.7	644.4	282.5
Spain, Extremadura †	105.2	145.3	65.7	3.0	8.8	0	38.3	66.5	8.7	139.9	194.8	82.0	250.7	341.8	170.4	318.3	473.8	216.4
Spain, Galicia †	137.7	186.2	92.5	15.9	8.8	23.5	51.6	73.7	29.1	167.4	199.0	136.9	308.5	484.3	157.0	328.3	570.8	178.6
Spain, Valencian region	128.8	173.1	85.0	14.8	26.9	2.0	40.8	48.1	33.1	163.7	217.3	111.5	361.7	570.3	174.6	446.6	690.0	284.8
Sweden	108.8	142.9	74.9	6.9	7.1	6.6	46.2	54.5	37.6	138.3	179.9	95.9	263.9	374.2	157.7	352.7	570.5	206.3
The Netherlands	108.1	136.5	80.2	6.9	7.0	6.8	38.9	46.8	31.0	125.8	158.3	93.0	315.1	385.7	248.1	432.3	738.3	240.1
United Kingdom, All countries * †	100.6	128.8	73.2				50.5	61.4	39.5	133.9	167.1	101.9	276.9	366.1	195.5	309.8	513.1	172.3
United Kingdom, England * †	101.3	130.6	72.8				51.7	62.9	40.1	135.5	170.9	101.1	277.9	366.2	197.0	311.8	520.9	169.0
United Kingdom, Northern Ireland * †	104.5	131.5	78.3				42.8	57.7	27.8	158.2	207.2	110.7	354.6	433.0	284.3	342.0	524.2	226.9
United Kingdom, Scotland	90.6	108.0	74.3	9.4	11.7	7.0	41.0	47.1	35.1	118.5	134.0	104.0	254.9	340.7	180.0	245.3	366.0	169.8
United Kingdom, Wales * † ‡	108.9	137.3	81.7				52.7	59.4	45.9	124.3	140.4	108.9	258.6	361.8	162.7	379.9	622.9	214.4

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

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

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

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	126.0	100	13.9	11.0	5.0	4.0	4.0	3.2	4.3	3.4	33.4	26.5	37.6	29.9	14.4	11.4	16.0	12.7	20.8	16.5	14.2	11.3	0	0
Belgium, Dutch-speaking *	164.8	100	15.8	9.6	7.0	4.2	8.8	5.4	4.3	2.6	31.3	19.0	35.6	21.6	13.3	8.1	9.6	5.8	61.0	37.0	13.7	8.3	0	0
Belgium, French-speaking *	166.3	100	18.9	11.3	10.5	6.3	7.1	4.3	2.8	1.7	31.3	18.8	34.1	20.5	36.0	21.6	10.5	6.3	39.7	23.8	9.6	5.8	0	0
Bosnia and Herzegovina †	107.7	100	13.5	12.5	15.7	14.6	5.4	5.0	22.7	21.1	6.4	5.9	29.1	27.0	15.9	14.7	1.7	1.6	18.4	17.1	8.0	7.4	0	0
Denmark †	104.9	100	9.6	9.1	4.4	4.2	8.7	8.3	11.1	10.6	16.9	16.1	28.0	26.7	14.4	13.7	0.4	0.3	17.2	16.4	22.2	21.2	0	0
Finland	82.8	100	11.3	13.7	3.7	4.5	5.9	7.2	12.1	14.6	17.1	20.6	29.1	35.2	4.5	5.4	1.1	1.3	16.7	20.2	10.4	12.6	0	0
France (23 of 26 regions)	137.3	100	16.1	11.7	6.7	4.9	9.8	7.2					30.1	21.9	32.4	23.6	1.9	1.4	21.0	15.3	18.9	13.8	0.3	0.2
Greece	182.6	100	17.1	9.4	9.3	5.1	8.7	4.7	2.4	1.3	47.9	26.2	50.3	27.5	20.1	11.0	3.2	1.7	16.1	8.8	58.0	31.7	0	0
Iceland	103.4	100	18.8	18.2	3.1	3.0	0	0	18.8	18.2	21.9	21.2	40.8	39.4	15.7	15.2	0	0	21.9	21.2	3.1	3.0	0	0
Norway	96.3	100	17.0	17.6	5.5	5.7	6.1	6.3	4.0	4.2	9.7	10.1	13.7	14.3	31.1	32.3	3.6	3.8	17.0	17.6	2.4	2.5	0	0
Romania	104.5	100	22.2	21.3	7.1	6.8	3.5	3.4					13.9	13.3	4.9	4.7	0.8	0.8	17.4	16.7	34.6	33.1	0	0
Serbia	132.3	100	13.2	10.0	13.9	10.5	8.5	6.5					30.0	22.7	34.4	26.0	0.4	0.3	19.8	15.0	11.8	9.0	0	0
Spain, Andalusia	107.9	100	11.4	10.5	10.0	9.2	7.7	7.1					26.5	24.6	8.7	8.1	5.1	4.7	11.7	10.9	26.8	24.8	0	0
Spain, Aragon	115.7	100	16.3	14.1	6.7	5.8	4.5	3.8	5.9	5.1	16.3	14.1	22.3	19.2	13.4	11.5	3.7	3.2	17.1	14.7	31.9	27.6	0	0
Spain, Asturias †	137.2	100	13.9	10.1	5.5	4.0	13.9	10.1	4.3	3.1	19.1	13.9	23.4	17.1	16.6	12.1	4.9	3.6	13.9	10.1	45.0	32.8	0	0
Spain, Basque country	108.7	100	12.3	11.3	7.8	7.1	6.4	5.9	2.7	2.5	15.5	14.3	18.3	16.8	14.6	13.4	6.9	6.3	17.8	16.4	23.8	21.9	0.9	0.8
Spain, Cantabria *	104.5	100	15.2	14.5	1.7	1.6	6.7	6.5	8.4	8.1	13.5	12.9	21.9	21.0	11.8	11.3	23.6	22.6	18.5	17.7	5.1	4.8	0	0
Spain, Castile and León *	116.0	100	16.5	14.2	3.5	3.0	5.1	4.4	9.8	8.4	22.3	19.3	32.1	27.7	24.3	20.9	0.8	0.7	14.1	12.2	19.6	16.9	0	0
Spain, Castile-La Mancha *	94.4	100	11.8	12.5	7.6	8.0	9.4	10.0					25.5	27.0	5.7	6.0	2.4	2.5	12.7	13.5	19.4	20.5	0	0
Spain, Catalonia †	122.2	100	15.8	12.9	7.2	5.9	9.4	7.7	2.1	1.7	22.9	18.7	25.4	20.8	14.8	12.1	3.8	3.1	12.2	9.9	33.7	27.6	0	0
Spain, Extremadura †	105.2	100	13.5	12.9	4.5	4.3	10.5	10.0					32.2	30.6	9.6	9.1	1.8	1.7	6.3	6.0	26.8	25.4	0	0
Spain, Galicia †	137.7	100	14.8	10.8	4.3	3.1	12.9	9.4	4.7	3.4	30.8	22.4	35.5	25.8	16.7	12.2	5.4	3.9	18.5	13.5	29.5	21.4	0	0
Spain, Valencian region	128.8	100	15.0	11.7	9.8	7.6	7.6	5.9					21.1	16.4	20.9	16.2	8.6	6.7	13.5	10.5	32.2	25.0	0	0
Sweden	108.8	100	15.8	14.5	3.3	3.0	8.1	7.5	10.7	9.8	16.2	14.9	26.9	24.7	16.3	15.0	5.9	5.4	17.8	16.3	14.7	13.5	0	0
The Netherlands	108.1	100	8.4	7.8	3.3	3.0	4.1	3.8	3.4	3.1	14.5	13.4	17.9	16.5	13.4	12.4	14.4	13.3	15.6	14.4	9.3	8.6	21.7	20.1
United Kingdom, All countries * †	100.6	100	12.0	11.9	6.2	6.1	6.6	6.6					22.4	22.3	6.2	6.2	3.8	3.8	16.0	15.9	17.9	17.8	9.4	9.3
United Kingdom, England * †	101.3	100	11.2	11.0	6.0	5.9	6.4	6.3					21.9	21.6	6.6	6.5	3.1	3.1	16.6	16.4	18.4	18.1	11.1	11.0
United Kingdom, Northern Ireland * †	104.5	100	14.4	13.8	11.6	11.1	8.3	7.9					24.5	23.5	5.0	4.8	7.0	6.7	20.5	19.6	13.3	12.7	0	0
United Kingdom, Scotland	90.6	100	16.4	18.1	6.9	7.6	8.6	9.5					21.3	23.5	4.8	5.3	7.0	7.7	12.4	13.7	13.1	14.5	0.2	0.2
United Kingdom, Wales * † ‡	108.9	100	18.2	16.7	5.8	5.4	4.6	4.3					30.4	27.9	3.6	3.3	9.0	8.3	13.6	12.4	22.4	20.5	1.2	1.1

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

Categories may not add up because of rounding off 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)

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

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
					Type I	Type II	Both					
					Pmp	Pmp	Pmp					
Austria	120.4	13.4	4.9	3.9	4.2	31.9	36.1	13.5	14.9	20.1	13.7	0
Belgium, Dutch-speaking *	146.9	14.8	6.1	8.3	4.2	27.8	32.0	11.4	8.1	53.6	12.6	0
Belgium, French-speaking *	169.0	19.3	10.7	7.3	3.0	32.6	35.5	35.2	10.8	40.5	9.7	0
Bosnia and Herzegovina †	120.2	14.7	18.2	5.8	24.2	7.1	31.3	18.3	1.8	21.0	9.5	0
Denmark †	102.4	9.5	4.4	8.5	10.8	16.0	26.7	14.1	0.3	17.3	21.7	0
Finland	76.5	10.9	3.5	5.2	11.7	15.0	26.7	4.0	1.0	15.6	9.7	0
France (23 of 26 regions)	128.1	15.8	6.4	9.5			28.5	28.4	1.6	20.2	17.4	0.3
Greece	157.6	15.8	8.0	8.2	2.4	41.0	43.4	16.8	2.8	14.2	48.4	0
Iceland	118.2	19.9	3.7	0	19.7	27.8	47.5	17.6	0	25.8	3.7	0
Norway	99.5	17.4	5.5	6.2	4.1	10.2	14.2	32.3	3.9	17.5	2.4	0
Romania	106.1	22.3	7.2	3.5			13.9	5.1	0.9	17.8	35.3	0
Serbia	122.8	13.2	12.9	8.0			27.2	31.6	0.4	18.4	11.0	0
Spain, Andalusia	112.8	11.5	10.4	7.8			28.5	9.2	5.4	12.3	27.6	0
Spain, Aragon	105.2	15.2	5.7	4.4	5.7	14.8	20.5	12.1	2.4	15.7	29.2	0
Spain, Asturias †	112.0	12.3	4.9	11.4	4.1	16.3	20.1	11.7	4.4	11.1	36.5	0
Spain, Basque country	96.9	11.4	7.2	5.8	2.5	13.8	16.3	12.7	5.8	17.0	20.0	0.9
Spain, Cantabria *	97.9	15.6	1.6	6.0	7.7	12.2	20.0	10.3	21.9	17.6	4.9	0
Spain, Castile and León *	93.1	14.0	3.1	4.3	8.7	18.2	26.9	17.8	0.6	11.7	14.9	0
Spain, Castile-La Mancha *	95.1	11.5	7.4	9.9			26.7	5.7	2.2	12.7	18.9	0
Spain, Catalonia †	121.1	15.9	7.2	9.3	2.0	23.1	25.5	14.4	3.7	12.4	32.7	0
Spain, Extremadura †	95.9	11.5	4.4	9.6			28.2	9.7	1.5	6.1	24.5	0
Spain, Galicia †	115.8	13.4	3.8	11.6	4.3	25.0	29.3	13.2	3.9	17.0	23.5	0
Spain, Valencian region	123.8	14.6	9.6	7.6			20.5	19.9	8.2	12.8	30.6	0
Sweden	102.6	15.7	3.1	7.8	10.7	15.0	25.7	14.6	5.0	17.1	13.6	0
The Netherlands	107.1	8.3	3.3	3.9	3.3	14.3	17.6	13.7	14.6	15.4	9.4	20.9
United Kingdom, All countries * †	100.2	12.1	6.2	6.7			22.6	6.2	3.7	16.1	17.4	9.3
United Kingdom, England * †	101.3	11.3	6.0	6.6			22.3	6.6	3.0	16.7	17.9	11.0
United Kingdom, Northern Ireland * †	113.7	15.6	12.7	8.9			27.0	5.2	7.9	22.4	14.4	0
United Kingdom, Scotland	88.7	16.3	6.8	8.2			20.9	4.6	6.9	12.0	12.8	0.2
United Kingdom, Wales * † ‡	100.3	17.2	5.7	4.5			29.1	3.2	7.4	12.7	19.6	1.1

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

When cells are left empty, (complete) data are unavailable

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

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

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

**A3 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2011, AT DAY 91**

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		
		N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Austria	1061	834	0	2	0	85	921	30	75	3	108	23	9	0	32	0	0
Belgium, Dutch-speaking *	1043	584	0	56	4	270	914	62	45	0	107	7	15	0	22	0	0
Belgium, French-speaking *	776	537	5	0	11	108	661	50	33	0	83	7	16	0	23	9	0
Bosnia and Herzegovina †	378	356	0	0	0	4	360	3	15	0	18	0	0	0	0	0	0
Denmark †	590	379	1	0			380	97	72	0	169	24	11	3	38	1	2
Finland	446	302	12	0	0	12	326	62	57	0	119	1	0	0	1	0	0
France (23 of 26 regions)	6903	5041	0	9	9	694	5753	305	484	0	789	67	263	0	330	5	26
Greece	2064	1854	0	0	3	59	1916	58	83	0	141	7	0	0	7	0	0
Iceland	33	19	0	0			19			10	10	4	0	0	4	0	0
Norway	477	308	1	0			309			92	92	33	43	0	76	0	0
Romania	2235	2015	10	0	2	0	2027	8	161	0	169	23	10	6	39	0	0
Serbia	960	778	3	1	0	65	847	4	96	0	100	11	2	0	13	0	0
Spain, Andalusia	910	761	0	0			761			115	115			34	34	0	0
Spain, Aragon	156	125	2	0			127	6	18	0	24	5	0	0	5	0	0
Spain, Asturias †	148	107	0	0			107	0	33	0	33	2	6	0	8	0	0
Spain, Basque country	238	170	0	0			170	0	62	0	62	0	6	0	6	0	0
Spain, Cantabria *	62	39	0	0			39	2	15	0	17	1	5	0	6	0	0
Spain, Castile and León *	296	230	1	0			231	24	34	0	58	0	7	0	7	0	0
Spain, Castile-La Mancha *	200	160	0	0			160	7	30	0	37			3	3	0	0
Spain, Catalonia †	922	522	2	0		172	696	28	98	1	127	61	37	0	98	0	1
Spain, Extremadura †	116	97	0	0	0	0	97	4	15	0	19	0	0	0	0	0	0
Spain, Galicia †	384	291	1	0			292	14	65	0	79	10	0	3	13	0	0
Spain, Valencian region	659	533	0	0			533	11	100	0	111	5	10	0	15	0	0
Sweden	1028		7	616			623			321	321	63	21	0	84	0	0
The Netherlands	1804	1271	0	0			1271	97	213	0	310	203	20	0	223	0	0
United Kingdom, All countries * † §	6313	4306	10	6	6	120	4448	565	783	19	1367	246	179	73	498	1	0
United Kingdom, England * †	5335	3575	5	2	6	117	3705	468	691	19	1178	215	164	73	452	1	0
United Kingdom, Northern Ireland * †	189	143	0	0	0	3	146	29	3	0	32	9	2	0	11	0	0
United Kingdom, Scotland	476	364	1	0			365	63	27	0	90	13	7	1	21	0	0
United Kingdom, Wales * † ‡	329	234	4	4	0	0	242	10	63	0	73	9	5	0	14	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)

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

§ 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	126.0	99.0	0	0.2	0	10.1	109.3	3.6	8.9	0.4	12.8	2.7	1.1	0	3.8	0	0
Belgium, Dutch-speaking *	164.8	92.3	0	8.8	0.6	42.7	144.4	9.8	7.1	0	16.9	1.1	2.4	0	3.5	0	0
Belgium, French-speaking *	166.3	115.1	1.1	0	2.4	23.2	141.7	10.7	7.1	0	17.8	1.5	3.4	0	4.9	1.9	0
Bosnia and Herzegovina †	107.7	101.5	0	0	0	1.1	102.6	0.8	4.3	0	5.0	0	0	0	0	0	0
Denmark †	104.9	67.3	0.2	0			67.5	17.3	12.9	0	30.1	4.2	2.0	0.5	6.7	0.2	0.3
Finland	82.8	56.0	2.2	0	0	2.2	60.5	11.5	10.6	0	22.1	0.2	0	0	0.2	0	0
France (23 of 26 regions)	137.3	100.3	0	0.2	0.2	13.8	114.4	6.1	9.6	0	15.7	1.3	5.2	0	6.6	0.1	0.5
Greece	182.6	164.1	0	0	0.3	5.2	169.6	5.1	7.3	0	12.5	0.6	0	0	0.6	0	0
Iceland	103.4	59.6	0	0			59.6			31.3	31.3	12.5	0	0	12.5	0	0
Norway	96.3	62.2	0.2	0			62.4			18.6	18.6	6.7	8.7	0	15.3	0	0
Romania	104.5	94.2	0.5	0	0.1	0	94.8	0.4	7.5	0	7.9	1.1	0.5	0.3	1.8	0	0
Serbia	132.3	107.2	0.4	0.1	0	9.0	116.7	0.6	13.2	0	13.8	1.5	0.3	0	1.8	0	0
Spain, Andalusia	107.9	90.2	0	0			90.2			13.6	13.6			4.0	4.0	0	0
Spain, Aragon	115.7	92.7	1.5	0			94.2	4.5	13.4	0	17.8	3.7	0	0	3.7	0	0
Spain, Asturias †	137.2	98.9	0	0			100.2	0	30.2	0	29.9	1.8	5.2	0	7.1	0	0
Spain, Basque country	108.7	77.7	0	0			77.7	0	28.3	0	28.3	0	2.7	0	2.7	0	0
Spain, Cantabria *	104.5	65.7	0	0			65.7	3.4	25.3	0	28.6	1.7	8.4	0	10.1	0	0
Spain, Castile and León *	116.0	90.5	0.4	0			90.5	9.4	13.3	0	22.7	0	2.7	0	2.7	0	0
Spain, Castile-La Mancha *	94.4	75.5	0	0			75.5	3.3	14.2	0	17.5			1.4	1.4	0	0
Spain, Catalonia †	122.2	69.2	0.3	0		22.8	92.3	3.7	13.0	0.1	16.9	8.1	4.9	0	13.0	0	0
Spain, Extremadura †	105.2	87.8	0	0	0	0	87.8	3.6	13.8	0	17.4	0	0	0	0	0	0
Spain, Galicia †	137.7	104.2	0.4	0			104.6	5.1	23.4	0	28.6	3.7	0	1.0	4.5	0	0
Spain, Valencian region	128.8	104.2	0	0			104.2	2.1	19.5	0	21.7	1.0	2.0	0	2.9	0	0
Sweden	108.8		0.7	65.2			65.9			34.0	34.0	6.7	2.2	0	8.9	0	0
The Netherlands	108.1	76.1	0	0			76.1	5.8	12.8	0	18.6	12.2	1.2	0	13.4	0	0
United Kingdom, All countries * † §	100.6	68.6	0.2	0.1	0.1	1.9	70.9	9.0	12.5	0.3	21.8	3.9	2.9	1.2	7.9	0	0
United Kingdom, England * †	101.3	67.9	0.1	0	0.1	2.2	70.3	8.9	13.1	0.4	22.4	4.1	3.1	1.4	8.6	0	0
United Kingdom, Northern Ireland * †	104.5	79.2	0	0	0	2.0	80.7	15.8	1.7	0	17.5	5.2	1.1	0	6.3	0	0
United Kingdom, Scotland	90.6	69.3	0.2	0			69.5	12.0	5.1	0	17.1	2.5	1.3	0.2	4.0	0	0
United Kingdom, Wales * † ‡	108.9	77.6	1.3	1.3	0	0	80.2	3.3	20.8	0	24.1	2.9	1.8	0	4.6	0	0

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

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

§ 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	120.4	94.5	0	0.2	0	9.6	104.3	3.4	8.5	0.3	12.3	2.7	1.0	0	3.8	0	0
Belgium, Dutch-speaking *	146.9	81.8	0	7.8	0.5	37.4	127.5	9.3	6.7	0	15.9	1.2	2.3	0	3.5	0	0
Belgium, French-speaking *	169.0	116.5	1.1	0	2.5	23.9	144.0	10.8	7.1	0	17.9	1.6	3.6	0	5.1	1.9	0
Bosnia and Herzegovina †	120.2	113.9	0	0	0	0.8	115.0	0.7	4.2	0	4.9	0	0	0	0	0	0
Denmark †	102.4	66.1	0.2	0			66.3	16.8	12.4	0	29.0	4.4	1.9	0.5	6.8	0.2	0.5
Finland	76.5	51.8	2.0	0	0	2.0	55.8	10.6	9.9	0	20.5	0.2	0	0	0.2	0	0
France (23 of 26 regions)	128.1	93.2	0	0.2	0.2	12.7	106.3	6.0	8.6	0	14.6	1.4	5.3	0	6.7	0.1	0.5
Greece	157.6	140.9	0	0	0.2	4.7	145.9	4.5	6.5	0	11.0	0.6	0	0	0.6	0	0
Iceland	118.2	69.7	0	0			69.7			36.7	36.7	11.8	0	0	11.8	0	0
Norway	99.5	64.6	0.2	0			64.8			19.2	19.2	6.6	8.9	0	15.5	0	0
Romania	106.1	95.9	0.5	0	0.1	0	96.4	0.4	7.6	0	7.9	1.0	0.4	0.3	1.7	0	0
Serbia	122.8	98.7	0.4	0.1	0	8.5	107.8	0.6	12.6	0	13.2	1.6	0.3	0	1.9	0	0
Spain, Andalusia	112.8	94.9	0	0			94.9			14.1	14.1			3.9	3.9	0	0
Spain, Aragon	105.2	83.6	1.4	0			85.0	4.3	12.2	0	16.6	3.6	0	0	3.6	0	0
Spain, Asturias †	112.0	79.9	0	0			80.8	0	25.6	0	25.6	1.7	5.5	0	7.1	0	0
Spain, Basque country	96.9	67.3	0	0			67.3	0	26.4	0	26.4	0	3.3	0	3.3	0	0
Spain, Cantabria *	97.9	60.6	0	0			60.6	3.4	23.8	0	27.1	2.3	7.9	0	10.2	0	0
Spain, Castile and León *	93.1	70.6	0.4	0			70.6	8.5	11.4	0	19.9	0	2.5	0	2.5	0	0
Spain, Castile-La Mancha *	95.1	76.3	0	0			76.3	3.5	14.0	0	17.5			1.3	1.3	0	0
Spain, Catalonia †	121.1	68.5	0.2	0		22.2	90.9	3.8	13.1	0.1	17.0	8.2	4.9	0	13.2	0	0
Spain, Extremadura †	95.9	79.3	0	0	0	0	79.3	3.5	13.4	0	16.9	0	0	0	0	0	0
Spain, Galicia †	115.8	84.1	0.3	0			84.4	5.6	21.5	0	27.1	3.6	0	1.2	4.8	0	0
Spain, Valencian region	123.8	99.8	0	0			99.8	2.2	18.8	0	21.0	1.0	2.0	0	3.0	0	0
Sweden	102.6		0.7	60.8			61.6			32.2	32.2	6.6	2.2	0	8.8	0	0
The Netherlands	107.1	76.1	0	0			76.1	5.7	12.4	0	18.1	11.7	1.2	0	12.9	0	0
United Kingdom, All countries * † §	100.2	68.0	0.2	0.1	0.1	1.9	70.3	9.1	12.5	0.3	21.8	4.0	2.9	1.2	8.1	0	0
United Kingdom, England * †	101.3	67.5	0.1	0	0.2	2.2	70.0	9.0	13.1	0.4	22.5	4.2	3.2	1.4	8.8	0	0
United Kingdom, Northern Ireland * †	113.7	86.8	0	0	0	2.2	88.4	17.0	2.6	0	19.0	5.5	1.1	0	6.6	0	0
United Kingdom, Scotland	88.7	67.8	0.2	0			68.0	11.7	5.1	0	16.8	2.3	1.3	0.2	3.9	0	0
United Kingdom, Wales * † ‡	100.3	69.8	1.4	1.3	0	0	72.4	3.0	20.3	0	23.2	3.0	1.8	0	4.8	0	0

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

When cells are left empty, (complete) data are unavailable

\* 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)

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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	78.6	0	0.2	0	8.0	86.8	2.8	7.1	0.3	10.2	2.2	0.8	0	3.0	0	0
Belgium, Dutch-speaking *	100	56.0	0	5.4	0.4	25.9	87.6	5.9	4.3	0	10.3	0.7	1.4	0	2.1	0	0
Belgium, French-speaking *	100	69.2	0.6	0	1.4	13.9	85.2	6.4	4.3	0	10.7	0.9	2.1	0	3.0	1.2	0
Bosnia and Herzegovina †	100	94.3	0	0	0	1.1	95.3	0.7	4.0	0	4.7	0	0	0	0	0	0
Denmark †	100	64.2	0.2	0			64.4	16.5	12.3	0	28.7	4.0	1.9	0.5	6.4	0.2	0.3
Finland	100	67.7	2.7	0	0	2.7	73.1	13.9	12.8	0	26.7	0.2	0	0	0.2	0	0
France (23 of 26 regions)	100	73.0	0	0.1	0.1	10.1	83.3	4.4	7.0	0	11.4	1.0	3.8	0	4.8	0.1	0.4
Greece	100	89.8	0	0	0.1	2.9	92.8	2.8	4.0	0	6.8	0.3	0	0	0.3	0	0
Iceland	100	57.6	0	0			57.6			30.3	30.3	12.1	0	0	12.1	0	0
Norway	100	64.6	0.2	0			64.8			19.3	19.3	6.9	9.0	0	15.9	0	0
Romania	100	90.2	0.4	0	0.1	0	90.7	0.4	7.2	0	7.6	1.0	0.4	0.3	1.7	0	0
Serbia	100	81.0	0.3	0.1	0	6.8	88.2	0.4	10.0	0	10.4	1.1	0.2	0	1.4	0	0
Spain, Andalusia	100	83.6	0	0			83.6			12.6	12.6			3.7	3.7	0	0
Spain, Aragon	100	80.1	1.3	0			81.4	3.8	11.5	0	15.4	3.2	0	0	3.2	0	0
Spain, Asturias †	100	72.1	0	0			72.1	0	22.0	0	22.0	1.3	3.8	0	5.2	0	0.7
Spain, Basque country	100	71.4	0	0			71.4	0	26.1	0	26.1	0	2.5	0	2.5	0	0
Spain, Cantabria *	100	62.9	0	0			62.9	3.2	24.2	0	27.4	1.6	8.1	0	9.7	0	0
Spain, Castile and León *	100	78.0	0	0			78.0	8.1	11.5	0	19.6	0	2.4	0	2.4	0	0
Spain, Castile-La Mancha *	100	80.0	0	0			80.0	3.5	15.0	0	18.5			1.5	1.5	0	0
Spain, Catalonia †	100	56.6	0.2	0		18.7	75.5	3.0	10.7	0.1	13.8	6.7	4.0	0	10.7	0	0
Spain, Extremadura †	100	83.4	0	0	0	0	83.4	3.4	13.1	0	16.6	0	0	0	0	0	0
Spain, Galicia †	100	75.7	0.3	0			76.0	3.7	17.0	0	20.7	2.7	0	0.7	3.3	0	0
Spain, Valencian region	100	80.9	0	0			80.9	1.7	15.2	0	16.8	0.8	1.5	0	2.3	0	0
Sweden	100		0.7	59.9			60.6			31.2	31.2	6.1	2.0	0	8.2	0	0
The Netherlands	100	70.5	0	0			70.5	5.4	11.8	0	17.2	11.3	1.1	0	12.4	0	0
United Kingdom, All countries * † §	100	68.2	0.2	0.1	0.1	1.9	70.4	8.9	12.4	0.3	21.6	3.9	2.8	1.2	7.9	0	0
United Kingdom, England * †	100	67.0	0.1	0	0.1	2.2	69.4	8.8	12.9	0.4	22.1	4.0	3.1	1.4	8.5	0	0
United Kingdom, Northern Ireland * †	100	75.5	0	0	0	1.7	77.2	15.2	1.6	0	16.8	4.9	1.1	0	6.0	0	0
United Kingdom, Scotland	100	76.5	0.2	0			76.7	13.2	5.7	0	18.9	2.7	1.5	0.2	4.4	0	0
United Kingdom, Wales * †	100	71.3	1.2	1.2	0	0	73.6	3.0	19.1	0	22.2	2.6	1.6	0	4.3	0	0

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

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.3.10  
**Percentages of established therapy, unadjusted**  
*at day 91, 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	79	10	3	8	33	0	53	13	69	13	9	9	74	13	4	9	84	11	0	5	85	6	0	9	77	11	3	8	81	8	2	8	85	7	2	6	76	12	4	9
Belgium, Dutch-speaking *	61	10	2	26					48	27	9	17	58	15	4	24	62	10	1	27	65	5	0	29	60	11	2	28	64	9	3	24	61	11	0	28	61	10	3	26
Belgium, French-speaking *	70	11	3	16					55	16	13	17	67	11	4	18	70	9	2	18	76	10	0	14	69	10	3	18	71	12	3	15	69	11	1	20	70	11	4	16
Bosnia and Herzegovina †	95	5	0	1	100	0	0	0	91	9	0	0	93	6	0	1	96	3	0	1	98	2	0	0	93	7	0	0	97	2	0	1	95	4	0	1	94	5	0	1
Denmark †	64	29	6	1	52	19	29	0	46	31	22	1	54	36	9	1	73	27	0	0	80	20	0	0	63	29	7	0	66	28	5	1	63	30	5	1	65	28	7	0
Finland	70	27	0	3	64	27	9	0	63	36	0	2	65	31	0	4	75	23	0	2	83	16	0	1	70	27	0	3	71	25	1	3	67	29	0	4	72	25	0	2
France (23 of 26 regions)	73	11	5	11	39	18	35	8	59	16	14	10	73	10	8	9	77	10	3	10	76	12	0	12	74	11	4	11	72	12	6	10	76	10	2	12	72	12	6	10
Greece	90	7	0	3	50	36	14	0	82	11	1	6	85	9	0	6	92	6	0	2	94	5	0	2	89	7	0	4	92	6	0	1	91	7	0	2	90	7	0	3
Iceland	58	30	12	0	0	50	50	0	57	43	0	0	63	0	38	0	67	33	0	0	60	40	0	0	55	32	14	0	64	27	9	0	46	46	8	0	65	20	15	0
Norway	65	19	16	0	42	33	25	0	52	11	37	0	64	17	19	0	68	20	12	0	72	25	3	0	64	19	17	0	67	20	13	0	71	18	12	0	64	20	17	0
Romania	91	8	2	0	74	26	0	0	84	8	8	0	92	8	1	0	94	6	0	0	91	9	0	0	91	7	2	0	90	9	1	0	89	11	0	0	91	7	2	0
Serbia	81	10	1	7	38	63	0	0	64	16	7	12	81	11	1	7	88	9	0	3	90	3	0	7	82	9	1	8	80	13	2	5	83	14	0	4	81	9	2	8
Spain, Andalusia	84	13	4	0	30	10	60	0	66	22	12	0	80	16	4	0	89	11	0	0	94	6	0	0	83	13	3	0	84	12	4	0	89	9	2	0	82	14	4	0
Spain, Aragon	81	15	3	0	0	0	0	0	57	29	14	0	85	11	4	0	81	19	0	0	89	11	0	0	79	17	4	0	86	12	2	0	87	13	0	0	80	16	4	0
Spain, Asturias †	72	22	5	1	0	50	50	0	36	38	26	0	65	30	5	0	86	11	3	0	81	18	0	2	75	23	2	0	68	20	10	2	88	12	0	0	69	24	6	1
Spain, Basque country	71	26	3	0	0	50	50	0	52	42	6	0	64	34	2	0	74	25	1	0	90	10	0	0	71	28	1	0	72	22	5	0	80	20	0	0	70	27	3	0
Spain, Cantabria *	63	27	10	0					56	25	19	0	65	27	8	0	50	40	10	0	80	20	0	0	65	27	8	0	60	28	12	0	54	23	23	0	65	29	6	0
Spain, Castile and León *	78	20	2	0					58	35	6	0	74	25	1	0	72	23	5	0	90	10	0	0	76	20	4	0	82	18	0	0	74	22	4	0	79	19	2	0
Spain, Castile-La Mancha *	80	19	2	0					59	34	7	0	78	22	0	0	85	15	0	0	88	10	2	0	78	20	2	0	84	16	0	0	80	20	0	0	80	18	2	0
Spain, Catalonia †	57	14	11	19	15	21	55	9	38	18	35	9	52	20	13	16	63	12	6	19	67	7	0	26	57	14	10	20	57	14	13	17	64	15	3	18	55	14	13	19
Spain, Extremadura †	83	17	0	0	0	100	0	0	67	33	0	0	85	15	0	0	79	21	0	0	95	5	0	0	80	20	0	0	92	8	0	0	89	11	0	0	81	19	0	0
Spain, Galicia †	76	21	3	0	0	68	32	0	62	27	11	0	65	33	3	0	86	13	1	0	92	8	0	0	77	22	2	0	75	19	6	0	84	16	0	0	73	22	4	0
Spain, Valencian region	81	17	2	0	40	47	13	0	71	27	3	0	74	22	4	0	85	13	2	0	93	7	0	0	82	16	2	0	79	18	3	0	89	11	0	0	79	18	3	0
Sweden	61	31	8	0	40	40	20	0	52	28	20	0	60	27	13	0	64	32	4	0	64	36	0	0	61	31	8	0	61	31	8	0	59	34	7	0	61	30	9	0
The Netherlands	70	17	12	0	37	26	37	0	58	15	28	0	59	20	21	0	75	18	6	0	87	13	0	0	70	18	12	0	71	15	14	0	79	21	0	0	69	16	15	0
United Kingdom, All countries * †	68	22	8	2					51	30	18	2	64	23	12	2	74	20	3	2	82	16	0	2	69	21	8	2	68	22	8	2	73	21	4	2	67	22	9	2
United Kingdom, England * †	67	22	8	2					49	30	18	2	62	23	13	2	73	21	4	2	81	16	0	3	68	22	8	2	66	23	9	2	71	21	5	3	66	22	9	2
United Kingdom, Northern Ireland * †	76	17	6	1					48	33	20	0	75	13	9	3	84	16	0	0	84	15	0	2	76	17	5	2	76	16	7	1	83	12	2	3	74	18	7	1
United Kingdom, Scotland	77	19	4	0	36	55	9	0	67	26	7	0	72	19	9	0	82	18	0	0	89	11	0	0	76	20	4	0	78	18	4	0	86	14	0	0	74	20	6	0
United Kingdom, Wales * † ‡	74	22	4	0					50	34	15	0	72	26	2	0	82	14	4	0	80	19	1	0	73	22	5	0	74	23	3	0	78	20	3	0	72	23	5	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 incident counts at day 91, on which the data presented in this table are based, are estimated (see methods)

‡ The incidence of RRT is slightly underestimated, for details see the UK Renal Registry Report 2012

Table A.4.1  
**Prevalent counts and percentages**  
*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	All	Men	Women	All	Men	Women									
	N (100%)	N (100%)	N (100%)	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%								
Austria	8436	5219	3217	103	1	62	1	41	1	1294	15	765	15	529	16	3553	42	2278	44	1275	40	2077	25	1319	25	758	24	1409	17	795	15	614	19
Belgium, Dutch-speaking *	7496	4436	3060							851	11	505	11	346	11	2561	34	1558	35	1003	33	1725	23	1047	24	678	22	2359	31	1326	30	1033	34
Belgium, French-speaking *	5929	3622	2307							818	14	511	14	307	13	2239	38	1370	38	869	38	1306	22	798	22	508	22	1566	26	943	26	623	27
Bosnia and Herzegovina	2473	1415	1058	22	1	13	1	9	1	431	17	271	19	160	15	1122	45	664	47	458	43	571	23	296	21	275	26	327	13	171	12	156	15
Denmark	4786	2940	1846	87	2	50	2	37	2	970	20	573	19	397	22	1986	41	1228	42	758	41	1036	22	643	22	393	21	707	15	446	15	261	14
Finland	4325	2722	1603	121	3	66	2	55	3	673	16	423	16	250	16	1958	45	1234	45	724	45	1013	23	649	24	364	23	560	13	350	13	210	13
France (23 of 26 regions)	54571	32865	21706	541	1	309	1	232	1	8160	15	4966	15	3194	15	20819	38	12756	39	8063	37	11214	21	6786	21	4428	20	13837	25	8048	24	5789	27
Greece	12465	7923	4542	109	1	61	1	48	1	1696	14	1109	14	587	13	4265	34	2816	36	1448	32	3064	25	1942	25	1123	25	3331	27	1995	25	1336	29
Iceland	212	123	89	7	3	4	3	3	3	55	26	29	24	26	29	79	37	48	39	31	35	42	20	23	19	19	21	29	14	19	15	10	11
Norway	4329	2853	1476	84	2	53	2	31	2	831	19	524	18	307	21	1784	41	1179	41	605	41	951	22	626	22	325	22	679	16	471	17	208	14
Romania //	13346	7475	5871	123	1	62	1	61	1	2775	21	1656	22	1119	19	5883	44	3370	45	2513	43	2871	22	1535	21	1336	23	1694	13	852	11	842	14
Serbia	5275	3134	2141	35	1	12	0	23	1	1048	20	640	20	408	19	2604	49	1553	50	1051	49	1075	20	619	20	456	21	513	10	310	10	203	9
Spain, Andalusia	8641	5194	3447	91	1	53	1	38	1	1628	19	1015	20	613	18	3470	40	2179	42	1291	37	1899	22	1126	22	773	22	1553	18	821	16	732	21
Spain, Aragon	1400	884	516	8	1	4	0	4	1	211	15	124	14	87	17	565	40	376	43	189	37	296	21	190	21	106	21	320	23	190	21	130	25
Spain, Asturias	1122	707	415	7	1	4	1	3	1	172	15	102	14	70	17	447	40	298	42	149	36	233	21	139	20	94	23	263	23	164	23	99	24
Spain, Basque country	2414	1511	903	32	1	20	1	12	1	380	16	221	15	159	18	964	40	613	41	351	39	575	24	364	24	211	23	463	19	293	19	170	19
Spain, Cantabria *	563	379	184							92	16	57	15	35	19	238	42	162	43	76	41	127	23	88	23	39	21	106	19	72	19	34	18
Spain, Castile and León *	2625	1710	915							358	14	232	14	126	14	1033	39	691	40	342	37	527	20	346	20	181	20	707	27	441	26	266	29
Spain, Castile-La Mancha *	2088	1268	820							341	16	210	17	131	16	799	38	511	40	288	35	488	23	295	23	193	24	460	22	252	20	208	25
Spain, Catalonia	9067	5647	3420	99	1	55	1	44	1	1411	16	879	16	532	16	3401	38	2176	39	1225	36	2041	23	1293	23	748	22	2115	23	1244	22	871	25
Spain, Extremadura	1136	687	449	7	1	5	1	2	0	196	17	129	19	67	15	473	42	304	44	169	38	217	19	129	19	88	20	243	21	120	17	123	27
Spain, Galicia	3286	2048	1238	19	1	9	0	10	1	521	16	321	16	200	16	1254	38	793	39	461	37	765	23	492	24	273	22	727	22	433	21	294	24
Spain, Valencian region	5885	3644	2241	71	1	51	1	20	1	880	15	543	15	337	15	2224	38	1399	38	825	37	1372	23	872	24	500	22	1338	23	779	21	559	25
Sweden	8787	5613	3174	154	2	87	2	67	2	1440	16	884	16	556	18	3641	41	2311	41	1330	42	2119	24	1389	25	730	23	1433	16	942	17	491	15
The Netherlands	16049	9642	6407	250	2	146	2	104	2	2738	17	1643	17	1095	17	6529	41	3947	41	2582	40	3686	23	2208	23	1478	23	2846	18	1698	18	1148	18
United Kingdom, All countries *	53820	32748	21072							12030	22	7158	22	4872	23	22683	42	13770	42	8913	42	10623	20	6439	20	4184	20	8484	16	5381	16	3103	15
United Kingdom, England *	45246	27556	17690							10106	22	6014	22	4092	23	19042	42	11550	42	7492	42	8962	20	5409	20	3553	20	7136	16	4583	17	2553	14
United Kingdom, Northern Ireland *	1539	937	602							340	22	207	22	133	22	603	39	375	40	228	38	326	21	199	21	127	21	270	18	156	17	114	19
United Kingdom, Scotland	4421	2596	1825	85	2	53	2	32	2	1035	23	591	23	444	24	1923	43	1158	45	765	42	783	18	462	18	321	18	595	13	332	13	263	14
United Kingdom, Wales *	2699	1712	987							549	20	346	20	203	21	1115	41	687	40	428	43	552	20	369	22	183	19	483	18	310	18	173	18

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.4.2  
**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	60.0	15.5	61.7	61.9	59.8	15.1	61.7	38.1	60.2	16.1	61.8
Belgium, Dutch-speaking *	100	65.1	15.3	66.7	59.2	64.7	15.1	66.3	40.8	65.5	15.5	67.6
Belgium, French-speaking *	100	63.3	15.7	64.4	61.1	63.1	15.5	64.4	38.9	63.6	15.9	64.6
Bosnia and Herzegovina	100	58.4	15.1	59.9	57.2	57.3	15.1	58.8	42.8	59.8	14.9	61.9
Denmark	100	57.7	16.5	59.5	61.4	58.1	16.4	59.9	38.6	57.2	16.5	58.9
Finland	100	58.0	16.0	60.4	62.9	58.3	15.8	60.8	37.1	57.5	16.4	59.4
France (23 of 26 regions)	100	62.1	16.6	63.4	60.2	61.8	16.4	63.1	39.8	62.4	16.7	63.8
Greece	100	63.1	15.9	65.6	63.6	62.6	15.7	64.9	36.4	64.0	16.2	66.6
Iceland	100	55.0	18.5	57.6	58.0	56.0	18.4	59.5	42.0	53.6	18.6	55.0
Norway	100	58.3	16.2	60.4	65.9	58.8	16.2	60.8	34.1	57.4	16.2	59.1
Romania //	100	57.8	15.1	59.4	56.0	57.1	15.0	58.7	44.0	58.7	15.2	60.4
Serbia	100	57.0	14.3	58.8	59.4	57.0	14.2	58.7	40.6	57.1	14.5	59.0
Spain, Andalusia	100	59.1	15.9	60.8	60.1	58.3	15.7	59.7	39.9	60.2	16.2	62.3
Spain, Aragon	100	61.3	15.3	62.6	63.1	61.3	14.9	62.5	36.9	61.3	16.1	62.8
Spain, Asturias	100	61.4	15.3	62.3	63.0	61.3	15.1	61.8	37.0	61.6	15.7	62.9
Spain, Basque country	100	60.3	15.7	62.3	62.6	60.6	15.4	62.7	37.4	59.7	16.2	61.8
Spain, Cantabria *	100	60.3	14.5	61.4	67.3	60.7	14.3	62.4	32.7	59.4	15.0	60.5
Spain, Castile and León *	100	62.8	15.1	63.8	65.1	62.5	15.0	63.4	34.9	63.3	15.3	64.5
Spain, Castile-La Mancha *	100	61.4	15.1	62.9	60.7	60.7	15.0	61.4	39.3	62.5	15.3	64.5
Spain, Catalonia	100	61.5	16.0	63.2	62.3	61.3	15.8	62.8	37.7	61.8	16.3	63.9
Spain, Extremadura	100	60.1	15.7	60.9	60.5	59.0	15.4	59.6	39.5	61.7	16.0	63.5
Spain, Galicia	100	61.3	15.3	63.1	62.3	61.3	14.9	63.2	37.7	61.4	15.9	62.9
Spain, Valencian region	100	61.5	16.1	63.5	61.9	61.1	16.1	63.3	38.1	62.2	16.1	63.9
Sweden	100	59.2	16.1	61.3	63.9	59.7	15.9	61.8	36.1	58.5	16.4	60.3
The Netherlands	100	59.4	16.1	61.4	60.1	59.5	16.0	61.5	39.9	59.4	16.3	61.3
United Kingdom, All countries *	100	57.8	15.8	58.3	60.8	58.1	15.8	58.6	39.2	57.3	15.7	57.8
United Kingdom, England *	100	57.8	15.8	58.3	60.9	58.1	15.9	58.6	39.1	57.3	15.6	57.9
United Kingdom, Northern Ireland *	100	58.4	16.1	59.2	60.9	58.4	15.7	59.0	39.1	58.5	16.7	59.5
United Kingdom, Scotland	100	55.9	16.3	56.5	58.7	56.0	16.2	56.9	41.3	55.8	16.5	55.4
United Kingdom, Wales *	100	59.0	15.9	60.5	63.4	59.3	15.9	60.7	36.6	58.5	15.8	59.9

*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	1001.5	1270.9	745.2	59.8	70.2	48.9	448.5	528.3	368.1	1527.0	1975.3	1086.5	2556.4	3500.5	1739.9	2081.1	3238.8	1422.6
Belgium, Dutch-speaking *	1184.4	1419.8	955.0				421.1	494.8	345.9	1459.0	1759.4	1153.2	2945.6	3732.2	2222.2	4060.6	5776.6	2939.6
Belgium, French-speaking *	1271.0	1597.3	962.3				513.3	639.4	386.4	1844.5	2290.0	1411.6	3666.6	4917.8	2619.6	4111.6	6953.6	2540.2
Bosnia and Herzegovina	705.0	823.0	591.5	25.1	29.7	20.6	344.4	429.0	258.2	1259.4	1523.0	1006.8	1605.3	1880.2	1387.0	2429.7	3069.5	1977.8
Denmark	850.5	1053.1	651.0	63.7	71.5	55.6	539.3	631.7	445.4	1316.7	1622.3	1008.9	1851.8	2373.1	1362.2	1787.6	2838.8	1094.8
Finland	802.7	1028.9	584.4	99.3	106.1	92.3	401.1	492.4	305.4	1278.1	1618.3	940.9	1945.5	2671.1	1310.6	1273.8	2205.2	747.5
France (23 of 26 regions)	1085.5	1343.6	840.9	44.6	49.7	39.3	513.5	620.9	404.7	1550.3	1943.8	1174.2	2676.3	3451.6	1990.9	2978.5	4670.4	1980.9
Greece	1103.1	1416.2	796.0	49.9	54.2	45.3	430.4	545.2	308.0	1432.8	1923.7	957.6	2755.7	3852.0	1846.2	3059.6	4269.1	2150.0
Iceland	664.5	767.9	560.4	78.1	87.3	68.5	493.4	511.8	474.4	1011.0	1219.9	799.1	2004.6	2232.1	1784.4	1543.0	2365.2	929.2
Norway	874.0	1150.5	596.8	67.4	82.8	51.1	491.5	606.3	371.4	1415.7	1835.3	979.4	2357.5	3194.0	1567.1	1930.4	3434.1	969.3
Romania	624.1	718.1	534.9	28.0	27.5	28.5	325.3	380.8	267.6	1118.2	1339.5	915.5	1616.5	2038.9	1305.7	1193.0	1593.3	951.2
Serbia	726.7	887.6	574.3	23.2	15.5	31.4	427.6	517.1	336.3	1252.1	1544.9	978.3	1620.2	2122.6	1226.2	917.5	1391.4	603.6
Spain, Andalusia	1024.2	1244.1	808.8	49.4	55.9	42.5	505.2	618.0	388.0	1668.0	2115.4	1229.2	2868.5	3651.4	2185.8	2465.8	3336.8	1907.4
Spain, Aragon	1038.7	1316.3	763.0	32.6	31.7	33.6	437.1	492.5	376.8	1612.6	2122.0	1091.4	2521.1	3421.3	1713.1	2101.0	3110.3	1425.0
Spain, Asturias	1037.5	1363.4	737.2	45.4	50.6	39.9	467.6	547.4	385.6	1408.0	1930.8	913.4	2216.0	2897.6	1644.1	1923.8	3224.5	1153.1
Spain, Basque country	1102.9	1413.9	806.1	83.5	101.4	64.4	500.2	568.3	428.8	1567.8	2029.1	1122.3	2805.1	3822.0	1922.7	2049.0	3437.0	1208.1
Spain, Cantabria *	948.6	1307.2	606.1				431.6	526.7	333.4	1440.6	1977.0	912.7	2558.0	3811.0	1468.5	1701.3	3069.4	875.2
Spain, Castile and León *	1028.5	1352.4	710.5				418.4	525.9	304.0	1481.8	1936.5	1005.0	2131.7	2932.0	1400.8	2093.6	3260.7	1313.9
Spain, Castile-La Mancha *	985.5	1187.1	780.6				425.0	500.7	342.1	1583.4	1972.5	1172.9	2992.9	3849.9	2233.2	2193.7	2890.7	1697.8
Spain, Catalonia	1202.6	1513.1	898.2	65.6	70.6	60.2	488.0	588.9	380.4	1815.2	2350.0	1292.6	3353.3	4551.8	2304.5	3220.1	4958.2	2145.8
Spain, Extremadura	1024.6	1247.7	804.4	31.7	44.1	18.6	501.0	643.5	351.3	1667.7	2089.8	1223.2	2266.8	2875.7	1729.9	2071.8	2584.4	1735.9
Spain, Galicia	1178.4	1521.0	858.5	43.3	39.8	47.0	537.2	657.1	415.5	1679.1	2161.3	1213.4	2651.5	3685.0	1761.3	2112.4	3295.4	1381.8
Spain, Valencian region	1150.0	1433.6	870.2	70.2	98.0	40.7	455.0	544.1	359.9	1717.8	2186.9	1259.6	3007.7	4043.2	2079.0	3178.7	4633.5	2211.2
Sweden	929.9	1192.1	669.5	70.6	77.7	63.2	465.7	560.1	367.2	1507.2	1898.9	1109.5	2210.5	2953.0	1495.2	1786.0	2920.7	1023.3
The Netherlands	961.4	1166.9	760.0	64.0	73.1	54.5	502.9	600.4	404.3	1392.5	1675.1	1107.0	2497.4	3074.4	1950.5	2412.5	3731.2	1584.3
United Kingdom, All countries *	857.7	1059.3	661.9				563.7	664.5	460.9	1412.9	1744.9	1091.9	1912.7	2430.6	1440.4	1699.6	2671.0	1042.3
United Kingdom, England *	859.1	1059.9	663.3				560.8	659.5	459.6	1423.2	1752.6	1103.5	1937.9	2447.1	1471.7	1701.7	2693.3	1024.6
United Kingdom, Northern Ireland *	850.7	1053.2	654.8				545.5	663.8	427.0	1375.5	1739.4	1023.3	2222.9	2872.4	1641.4	2252.3	3360.5	1551.9
United Kingdom, Scotland	841.6	1019.2	674.3	72.4	88.3	55.8	589.9	678.4	502.5	1340.8	1669.1	1033.2	1636.1	2071.2	1256.3	1445.1	2095.0	1038.4
United Kingdom, Wales *	892.8	1156.4	639.8				582.2	734.5	430.1	1390.3	1753.5	1043.4	1814.5	2519.1	1160.1	1810.9	2867.7	1090.7

\* 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	1001.5	100	235.1	23.5	76.8	7.7	65.2	6.5	54.7	5.5	156.3	15.6	211.1	21.1	73.2	7.3	66.5	6.6	177.6	17.7	96.0	9.6	0	0
Belgium, Dutch-speaking *	1184.4	100	210.5	17.8	90.4	7.6	113.5	9.6	53.2	4.5	163.5	13.8	216.8	18.3	80.4	6.8	89.7	7.6	276.5	23.3	106.7	9.0	0	0
Belgium, French-speaking *	1271.0	100	226.6	17.8	123.0	9.7	98.4	7.7	38.4	3.0	175.4	13.8	213.7	16.8	178.1	14.0	47.2	3.7	304.6	24.0	79.3	6.2	0	0
Bosnia and Herzegovina	705.0	100	148.8	21.1	123.4	17.5	37.6	5.3	91.2	12.9	24.2	3.4	115.5	16.4	57.6	8.2	9.7	1.4	150.2	21.3	62.1	8.8	0	0
Denmark	850.5	100	170.9	20.1	65.0	7.6	76.1	8.9	83.7	9.8	58.6	6.9	142.3	16.7	82.5	9.7	3.2	0.4	154.1	18.1	156.4	18.4	0	0
Finland	802.7	100	170.6	21.2	74.4	9.3	97.2	12.1	131.6	16.4	77.0	9.6	208.6	26.0	26.7	3.3	4.5	0.6	145.1	18.1	75.5	9.4	0	0
France (23 of 26 regions)	1085.5	100	223.9	20.6	74.1	6.8	108.2	10.0					157.4	14.5	159.9	14.7	12.0	1.1	199.4	18.4	122.8	11.3	27.8	2.6
Greece	1103.1	100	203.7	18.5	75.4	6.8	86.0	7.8	21.6	2.0	184.7	16.7	206.3	18.7	107.7	9.8	19.4	1.8	97.7	8.9	306.9	27.8	0	0
Iceland	664.5	100	166.1	25.0	65.8	9.9	43.9	6.6	47.0	7.1	34.5	5.2	81.5	12.3	100.3	15.1	15.7	2.4	150.5	22.6	40.8	6.1	0	0
Norway	874.0	100	257.4	29.5	76.9	8.8	93.7	10.7					108.8	12.4	147.4	16.9	7.5	0.9	160.7	18.4	21.6	2.5	0	0
Romania //	624.1	100	146.2	23.4	80.9	13.0	39.7	6.4					62.8	10.1	32.7	5.2	4.7	0.7	73.7	11.8	183.3	29.4	0	0
Serbia	726.7	100	153.6	21.1	85.0	11.7	51.7	7.1					95.1	13.1	170.3	23.4	7.9	1.1	120.5	16.6	42.7	5.9	0	0
Spain, Andalusia	1024.2	100	217.0	21.2	117.3	11.5	99.0	9.7					141.9	13.8	83.7	8.2	30.8	3.0	125.9	12.3	208.6	20.4	0	0
Spain, Aragon	1038.7	100	187.0	18.0	68.3	6.6	88.3	8.5	71.2	6.9	96.4	9.3	167.7	16.1	89.0	8.6	34.9	3.4	139.5	13.4	264.1	25.4	0	0
Spain, Asturias	1037.5	100	195.1	18.8	77.7	7.5	121.1	11.7	54.6	5.3	94.3	9.1	148.9	14.3	131.3	12.7	18.5	1.8	156.3	15.1	188.6	18.2	0	0
Spain, Basque country	1102.9	100	263.6	23.9	126.1	11.4	119.7	10.9	41.6	3.8	67.6	6.1	109.2	9.9	106.0	9.6	47.5	4.3	164.5	14.9	164.5	14.9	1.8	0.2
Spain, Cantabria *	948.6	100	298.2	31.4	70.8	7.5	92.7	9.8	45.5	4.8	77.5	8.2	123.0	13.0	102.8	10.8	96.0	10.1	117.9	12.4	47.2	5.0	0	0
Spain, Castile and León *	1028.5	100	176.7	17.2	61.1	5.9	79.1	7.7	70.1	6.8	95.2	9.3	165.3	16.1	115.6	11.2	14.1	1.4	116.4	11.3	300.1	29.2	0	0
Spain, Castile-La Mancha *	985.5	100	203.0	20.6	120.8	12.3	105.3	10.7					150.1	15.2	57.1	5.8	9.0	0.9	104.8	10.6	231.3	23.5	4.2	0.4
Spain, Catalonia	1202.6	100	252.3	21.0	132.4	11.0	122.3	10.2	32.6	2.7	126.3	10.5	160.2	13.3	110.0	9.1	37.4	3.1	127.2	10.6	260.9	21.7	0	0
Spain, Extremadura	1024.6	100	221.0	21.6	78.5	7.7	98.3	9.6					148.8	14.5	53.2	5.2	13.5	1.3	117.2	11.4	294.0	28.7	0	0
Spain, Galicia	1178.4	100	213.0	18.1	88.6	7.5	121.6	10.3	45.5	3.9	144.5	12.3	190.1	16.1	94.7	8.0	32.6	2.8	166.8	14.2	271.1	23.0	0	0
Spain, Valencian region	1150.0	100	230.2	20.0	121.6	10.6	100.4	8.7					134.3	11.7	150.9	13.1	43.6	3.8	130.1	11.3	239.0	20.8	0	0
Sweden	929.9	100	237.4	25.5	56.4	6.1	91.6	9.9					170.8	18.4	74.9	8.1	35.3	3.8	176.9	19.0	86.5	9.3	0	0
The Netherlands	961.4	100	161.3	16.8	77.2	8.0	77.4	8.1	36.9	3.8	69.1	7.2	106.0	11.0	98.3	10.2	60.7	6.3	164.0	17.1	102.1	10.6	114.4	11.9
United Kingdom, All countries *	857.7	100	159.7	18.6	95.2	11.1	79.3	9.3					127.6	14.9	49.1	5.7	19.2	2.2	140.1	16.3	151.1	17.6	36.3	4.2
United Kingdom, England *	859.1	100	153.9	17.9	91.1	10.6	76.7	8.9					127.7	14.9	52.1	6.1	17.9	2.1	141.5	16.5	155.4	18.1	42.8	5.0
United Kingdom, Northern Ireland *	850.7	100	164.7	19.4	126.6	14.9	103.4	12.2					130.5	15.3	26.5	3.1	21.6	2.5	171.9	20.2	104.5	12.3	1.1	0.1
United Kingdom, Scotland	841.6	100	186.5	22.2	125.4	14.9	95.6	11.4					117.1	13.9	33.7	4.0	24.2	2.9	140.1	16.6	118.2	14.0	0.8	0.1
United Kingdom, Wales *	892.8	100	212.7	23.7	99.6	11.2	81.7	9.2					143.6	16.1	38.0	4.3	31.8	3.6	115.4	12.9	164.1	18.4	6.0	0.7

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

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

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	955.3	224.0	74.3	61.8	51.9	148.3	200.2	69.4	62.8	171.6	91.3	0
Belgium, Dutch-speaking *	1080.1	196.0	84.5	105.1	49.9	145.3	195.2	69.4	75.8	256.6	97.6	0
Belgium, French-speaking *	1291.9	230.8	125.6	102.6	39.2	179.8	218.9	176.4	47.2	309.3	81.1	0
Bosnia and Herzegovina	770.2	155.2	135.9	38.7	97.7	25.7	123.4	64.1	10.6	175.8	66.6	0
Denmark	834.3	169.4	65.4	71.5	81.2	55.9	137.2	80.1	3.3	153.8	153.7	0
Finland	757.3	161.2	71.2	86.1	129.4	68.6	198.1	24.5	4.1	141.1	71.0	0
France (23 of 26 regions)	1046.5	222.5	74.3	104.4			150.0	141.6	10.9	198.5	116.8	27.6
Greece	988.7	190.5	69.2	79.1	20.9	159.6	180.5	92.1	16.8	91.1	269.5	0
Iceland	743.7	182.6	74.5	51.5	50.7	43.8	94.5	113.9	19.9	156.3	50.5	0
Norway	900.9	263.4	79.3	97.3			111.8	153.7	7.8	165.4	22.1	0
Romania	633.0	146.2	81.8	39.8			63.8	34.2	4.9	75.1	187.1	0
Serbia	682.1	148.9	80.2	46.6			89.2	156.1	7.2	113.4	40.5	0
Spain, Andalusia	1060.8	220.8	120.5	105.0			150.4	88.1	32.5	128.2	215.4	0
Spain, Aragon	951.8	173.7	63.0	83.2	66.6	86.4	153.0	74.3	28.5	130.9	245.2	0
Spain, Asturias	874.9	167.5	70.2	101.6	48.9	78.9	127.7	100.4	14.2	138.7	154.4	0
Spain, Basque country	996.9	241.2	116.2	106.6	37.8	58.9	96.7	92.1	40.8	155.6	145.9	1.6
Spain, Cantabria *	874.8	274.1	65.7	87.4	42.9	73.0	115.9	90.9	85.2	112.6	43.1	0
Spain, Castile and León *	862.8	155.7	53.3	70.2	61.8	73.7	135.5	85.1	9.9	100.4	252.7	0
Spain, Castile-La Mancha *	990.8	208.5	118.2	112.9			152.4	56.3	7.9	105.1	225.4	4.2
Spain, Catalonia	1189.8	250.9	129.5	124.5	32.0	127.2	160.6	107.1	36.4	126.3	254.5	0
Spain, Extremadura	967.2	211.2	75.5	95.7			136.4	47.8	11.7	113.6	275.2	0
Spain, Galicia	1015.5	193.9	78.1	107.1	42.8	116.3	159.1	75.5	24.6	152.1	225.0	0
Spain, Valencian region	1112.5	224.8	118.1	99.8			130.0	143.0	41.2	126.7	228.9	0
Sweden	891.3	230.9	55.1	86.2			164.0	67.0	31.8	174.1	82.2	0
The Netherlands	946.7	156.7	76.7	74.3	35.7	67.9	103.6	97.1	61.0	163.3	102.2	111.8
United Kingdom, All countries *	863.2	161.8	96.5	79.7			128.7	48.9	18.4	142.1	150.8	36.4
United Kingdom, England *	866.9	156.2	92.3	77.7			129.3	52.0	17.2	143.7	155.6	43.0
United Kingdom, Northern Ireland *	919.6	177.5	136.1	111.0			140.9	29.1	24.0	187.4	112.5	1.1
United Kingdom, Scotland	830.1	185.2	125.4	91.1			115.4	32.3	23.4	140.2	116.3	0.8
United Kingdom, Wales *	863.1	208.7	102.7	77.5			137.9	35.8	26.6	113.4	154.7	5.8

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

Categories may not add up because of rounding off or a limited number of cases (<10%) with diabetes mellitus type unknown

When cells are left empty, (complete) data are unavailable

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

|| The 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		
Austria	8436	2949	3	1	1	912	3866	145	208	3	356	570	3643	1	4214	0	0
Belgium, Dutch-speaking *	7496	2109	5	297	7	1576	3994	258	134	2	394	141	2593	374	3108	0	0
Belgium, French-speaking *	5929	2510	56	0	25	555	3146	182	104	0	286	146	1888	443	2477	20	0
Bosnia and Herzegovina	2473	2068	0	0	7	142	2217	2	90	0	92	123	37	3	163	1	0
Denmark	4786	1899	119	0			2018	315	188	0	503	777	1445	21	2243	22	0
Finland	4325	1104	74	0	0	265	1443	190	139	0	329	181	2368	4	2553	0	0
France (23 of 26 regions)	54571	23414	194	51	57	5058	28774	926	1246	0	2172	1253	21507	476	23236	309	80
Greece	12465	7211	1	0	8	2032	9252	425	296	0	721	1067	1425	0	2492	0	0
Iceland	212	65	0	0			65			16	16	93	38	0	131	0	0
Norway	4329	1022	7	0			1029			186	186	1346	1762	6	3114	0	0
Romania //	13346	10795	10	2	5	20	10832	39	1466	0	1505	176	156	673	1005	4	0
Serbia	5275	3330	33	2	0	754	4119	14	399	1	414	501	237	0	738	4	0
Spain, Andalusia	8641	3963	6	0			3969			371	371			4300	4300	1	0
Spain, Aragon	1400	565	4	0			569	19	35	0	54	31	746	0	777	0	0
Spain, Asturias	1122	419	0	0			419	9	59	0	68	18	617	0	635	0	0
Spain, Basque country	2414	796	1	0			797	0	205	0	205	0	1412	0	1412	0	0
Spain, Cantabria *	563	191	1	0			192	10	34	0	44	13	311	0	324	3	0
Spain, Castile and León *	2625	1084	5	0			1089	82	96	0	178	0	1333	0	1333	25	0
Spain, Castile-La Mancha *	2088	853	3	0			856	23	83	0	106			1116	1116	10	0
Spain, Catalonia	9067	2697	3	0		1214	3914	143	211	1	355	637	4161	0	4798	0	0
Spain, Extremadura	1136	554	3	0	0	3	560	21	44	0	65	5	141	365	511	0	0
Spain, Galicia	3286	1473	8	0			1481	98	185	0	283	89	1395	38	1522	0	0
Spain, Valencian region	5885	3213	8	0			3221	53	240	0	293	26	1421	924	2371	0	0
Sweden	8787		115	2939			3054			823	823	2083	2827	0	4910	0	0
The Netherlands	16049	5228	175	0			5403	523	488	0	1011	3751	5876	8	9635	0	0
United Kingdom, All countries * ‡ §	53820	21697	819	138	22	877	23553	1828	2027	52	3907	5365	15921	5053	26339	21	0
United Kingdom, England * ‡	45246	18154	700	100	21	837	19812	1519	1796	45	3360	4491	12871	4692	22054	20	0
United Kingdom, Northern Ireland * ‡	1539	678	0	31	1	36	746	67	10	5	82	114	270	327	711	0	0
United Kingdom, Scotland	4421	1839	56	0			1895	203	61	0	264	584	1651	27	2262	0	0
United Kingdom, Wales * ‡	2699	1036	63	7	0	4	1110	52	160	2	214	205	1161	8	1374	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

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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
		Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp			Pmp
Austria	1001.5	350.1	0.4	0.1	0.1	108.3	458.9	17.2	24.7	0.4	42.3	67.7	432.5	0.1	500.3	0	0
Belgium, Dutch-speaking *	1184.4	333.2	0.8	46.9	1.1	249.0	631.1	40.8	21.2	0.3	62.3	22.3	409.7	59.1	491.1	0	0
Belgium, French-speaking *	1271.0	538.1	12.0	0	5.4	119.0	674.4	39.0	22.3	0	61.3	31.3	404.7	95.0	531.0	4.3	0
Bosnia and Herzegovina	705.0	589.5	0	0	2.0	40.5	632.0	0.6	25.7	0	26.2	35.1	10.5	0.9	46.5	0.3	0
Denmark	850.5	337.5	21.1	0			358.6	56.0	33.4	0	89.4	138.1	256.8	3.7	398.6	3.9	0
Finland	802.7	204.9	13.7	0	0	49.2	267.8	35.3	25.8	0	61.1	33.6	439.5	0.7	473.8	0	0
France (23 of 26 regions)	1085.5	465.7	3.9	1.0	1.1	100.6	572.3	18.4	24.8	0	43.2	24.9	427.8	9.5	462.2	6.1	1.6
Greece	1103.1	638.1	0.1	0	0.7	179.8	818.7	37.6	26.2	0	63.8	94.4	126.1	0	220.5	0	0
Iceland	664.5	203.8	0	0			203.8			50.2	50.2	291.5	119.1	0	410.6	0	0
Norway	874.0	206.3	1.4	0			207.7			37.6	37.6	271.7	355.7	1.2	628.7	0	0
Romania //	624.1	504.8	0.5	0.1	0.2	0.9	506.5	1.8	68.6	0	70.4	8.2	7.3	31.5	47.0	0.2	0
Serbia	726.7	458.8	4.5	0.3	0	103.9	567.5	1.9	55.0	0.1	57.0	69.0	32.7	0	101.7	0.6	0
Spain, Andalusia	1024.2	469.7	0.7	0			470.4			44.0	44.0			509.7	509.7	0.1	0
Spain, Aragon	1038.7	419.2	3.0	0			422.1	14.1	26.0	0	40.1	23.0	553.5	0	576.5	0	0
Spain, Asturias	1037.5	384.7	0	0			387.4	8.3	54.6	0	62.9	16.6	570.5	0	587.2	0	0
Spain, Basque country	1102.9	363.7	0.5	0			364.1	0	93.7	0	93.7	0	645.1	0	645.1	0	0
Spain, Cantabria *	948.6	321.8	1.7	0			323.5	16.8	57.3	0	74.1	21.9	524.0	0	545.9	5.1	0
Spain, Castile and León *	1028.5	424.7	2.0	0			426.7	32.1	37.6	0	69.7	0	522.3	0	522.3	9.8	0
Spain, Castile-La Mancha *	985.5	402.6	1.4	0			404.0	10.9	39.2	0	50.0			526.8	526.8	4.7	0
Spain, Catalonia	1202.6	357.7	0.4	0		161.0	519.1	19.0	28.0	0.1	47.1	84.5	551.9	0	636.4	0	0
Spain, Extremadura	1024.6	499.7	2.7	0	0	2.7	505.1	18.9	39.7	0	58.6	4.5	127.2	329.2	460.9	0	0
Spain, Galicia	1178.4	528.2	2.9	0			531.1	35.1	66.3	0	101.5	31.9	500.3	13.6	545.8	0	0
Spain, Valencian region	1150.0	627.9	1.6	0			629.4	10.4	46.9	0	57.3	5.1	277.7	180.6	463.3	0	0
Sweden	929.9		12.2	311.0			323.2			87.1	87.1	220.4	299.2	0	519.6	0	0
The Netherlands	961.4	313.2	10.5	0			323.7	31.3	29.2	0	60.6	224.7	352.0	0.5	577.2	0	0
United Kingdom, All countries * ‡ §	857.7	345.8	13.1	2.2	0.4	14.0	375.3	29.1	32.3	0.8	62.3	85.5	253.7	80.5	419.7	0.3	0
United Kingdom, England * ‡	859.1	344.7	13.3	1.9	0.4	15.9	376.2	28.8	34.1	0.9	63.8	85.3	244.4	89.1	418.7	0.4	0
United Kingdom, Northern Ireland * ‡	850.7	374.8	0	17.1	0.6	19.9	412.4	37.0	5.5	2.8	45.3	63.0	149.2	180.8	393.0	0	0
United Kingdom, Scotland	841.6	350.1	10.7	0			360.7	38.6	11.6	0	50.3	111.2	314.3	5.1	430.6	0	0
United Kingdom, Wales * ‡	892.8	342.7	20.8	2.3	0	1.3	367.2	17.2	52.9	0.7	70.8	67.8	384.0	2.6	454.5	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

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‡ Not all patients on home HD are reported as such so the total number of these patients is slightly 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	955.3	333.2	0.3	0.1	0.1	102.5	436.3	16.6	23.8	0.3	40.8	66.5	411.7	0.1	478.3	0	0
Belgium, Dutch-speaking *	1080.1	293.0	0.9	41.9	0.9	218.3	555.0	38.4	19.4	0.3	58.1	22.8	389.1	55.1	467.0	0	0
Belgium, French-speaking *	1291.9	536.1	12.3	0	5.3	121.3	674.9	40.1	22.5	0	62.6	32.3	420.0	97.8	550.1	4.3	0
Bosnia and Herzegovina	770.2	651.9	0	0	2.0	42.2	696.1	0.7	26.3	0	27.0	35.4	10.5	0.9	46.9	0.3	0
Denmark	834.3	331.7	20.7	0			352.4	53.4	32.3	0	85.7	139.6	249.0	3.8	392.4	3.8	0
Finland	757.3	191.1	13.4	0	0	45.4	249.9	32.9	23.8	0	56.7	32.9	417.1	0.7	450.7	0	0
France (23 of 26 regions)	1046.5	434.4	3.9	0.9	1.0	93.2	533.5	17.8	21.7	0	39.4	26.1	430.4	9.5	466.0	6.1	1.6
Greece	988.7	553.5	0.1	0	0.6	163.6	717.8	34.4	23.1	0	57.5	92.8	120.6	0	213.4	0	0
Iceland	743.7	242.1	0	0			242.1			58.2	58.2	315.1	128.3	0	443.3	0	0
Norway	900.9	214.1	1.4	0			215.6			39.5	39.5	277.0	367.7	1.2	645.9	0	0
Romania //	633.0	513.7	0.5	0.1	0.2	0.9	515.5	1.9	69.6	0	71.6	7.8	7.2	30.8	45.7	0.2	0
Serbia	682.1	422.9	4.2	0.2	0	97.8	525.2	1.8	51.0	0.1	53.0	71.7	31.6	0	103.3	0.6	0
Spain, Andalusia	1060.8	491.6	0.7	0			492.3			45.4	45.4			523.0	523.0	0.1	0
Spain, Aragon	951.8	365.1	2.8	0			368.0	12.7	25.0	0	37.7	22.8	523.4	0	546.1	0	0
Spain, Asturias	874.9	303.8	0	0			306.1	6.4	47.2	0	53.5	16.2	499.0	0	515.2	0	0
Spain, Basque country	996.9	313.3	0.4	0			313.7	0	85.2	0	85.2	0	598.0	0	598.0	0	0
Spain, Cantabria *	874.8	289.0	1.6	0			290.6	16.1	52.2	0	68.2	21.8	490.3	0	512.1	3.9	0
Spain, Castile and León *	862.8	320.9	1.8	0			322.7	27.1	31.4	0	58.5	0	475.3	0	475.3	6.2	0
Spain, Castile-La Mancha *	990.8	384.4	1.2	0			385.6	11.0	39.1	0	50.1			550.2	550.2	5.0	0
Spain, Catalonia	1189.8	344.8	0.4	0		156.6	501.8	19.0	28.0	0.1	47.1	82.2	558.7	0	640.9	0	0
Spain, Extremadura	967.2	450.4	2.7	0	0	2.8	455.9	18.3	38.0	0	56.4	4.4	127.2	323.4	455.0	0	0
Spain, Galicia	1015.5	420.2	2.7	0			422.9	32.7	57.8	0	90.4	31.3	457.1	13.8	502.2	0	0
Spain, Valencian region	1112.5	599.4	1.4	0			600.8	10.1	45.3	0	55.4	5.0	273.4	177.8	456.2	0	0
Sweden	891.3		12.0	288.3			300.3			81.4	81.4	220.9	288.7	0	509.6	0	0
The Netherlands	946.7	314.7	10.2	0			324.9	30.6	29.0	0	59.6	219.7	342.1	0.5	562.3	0	0
United Kingdom, All countries * ‡ §	863.2	342.7	13.2	2.2	0.4	13.9	372.5	29.2	32.2	0.8	62.3	87.9	258.0	82.3	428.1	0.3	0
United Kingdom, England * ‡	866.9	342.8	13.5	1.9	0.4	15.9	374.6	29.0	34.2	0.9	64.0	87.7	249.1	91.2	428.0	0.4	0
United Kingdom, Northern Ireland * ‡	919.6	408.3	0	19.1	0.6	21.7	449.7	40.2	6.2	3.0	49.3	66.8	159.7	194.0	420.5	0	0
United Kingdom, Scotland	830.1	341.4	10.4	0			351.8	38.1	11.4	0	49.5	112.8	310.7	5.3	428.8	0	0
United Kingdom, Wales * ‡	863.1	312.9	20.6	2.2	0	1.5	337.2	15.8	49.5	0.6	65.9	70.4	386.1	3.2	459.7	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  
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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	35.0	0	0	0	10.8	45.8	1.7	2.5	0	4.2	6.8	43.2	0	50.0	0	0
Belgium, Dutch-speaking *	100	28.1	0.1	4.0	0.1	21.0	53.3	3.4	1.8	0	5.3	1.9	34.6	5.0	41.5	0	0
Belgium, French-speaking *	100	42.3	0.9	0	0.4	9.4	53.1	3.1	1.8	0	4.8	2.5	31.8	7.5	41.8	0.3	0
Bosnia and Herzegovina	100	83.6	0	0	0.3	5.7	89.6	0.1	3.6	0	3.7	5.0	1.5	0.1	6.6	0	0
Denmark	100	39.7	2.5	0			42.2	6.6	3.9	0	10.5	16.2	30.2	0.4	46.9	0.5	0
Finland	100	25.5	1.7	0	0	6.1	33.4	4.4	3.2	0	7.6	4.2	54.8	0.1	59.0	0	0
France (23 of 26 regions)	100	42.9	0.4	0.1	0.1	9.3	52.7	1.7	2.3	0	4.0	2.3	39.4	0.9	42.6	0.6	0.1
Greece	100	57.8	0	0	0.1	16.3	74.2	3.4	2.4	0	5.8	8.6	11.4	0	20.0	0	0
Iceland	100	30.7	0	0			30.7			7.5	7.5	43.9	17.9	0	61.8	0	0
Norway	100	23.6	0.2	0			23.8			4.3	4.3	31.1	40.7	0.1	71.9	0	0
Romania //	100	80.9	0.1	0	0	0.1	81.2	0.3	11.0	0	11.3	1.3	1.2	5.0	7.5	0	0
Serbia	100	63.1	0.6	0	0	14.3	78.1	0.3	7.6	0	7.8	9.5	4.5	0	14.0	0.1	0
Spain, Andalusia	100	45.9	0.1	0			45.9			4.3	4.3			49.8	49.8	0	0
Spain, Aragon	100	40.4	0.3	0			40.6	1.4	2.5	0	3.9	2.2	53.3	0	55.5	0	0
Spain, Asturias	100	37.3	0	0			37.3	0.8	5.3	0	6.1	1.6	55.0	0	56.6	0	0
Spain, Basque country	100	33.0	0	0			33.0	0	8.5	0	8.5	0	58.5	0	58.5	0	0
Spain, Cantabria *	100	33.9	0.2	0			34.1	1.8	6.0	0	7.8	2.3	55.2	0	57.5	0.5	0
Spain, Castile and León *	100	41.3	0.2	0			41.5	3.1	3.7	0	6.8	0	50.8	0	50.8	1.0	0
Spain, Castile-La Mancha *	100	40.9	0.1	0			41.0	1.1	4.0	0	5.1			53.4	53.4	0.5	0
Spain, Catalonia	100	29.7	0	0		13.4	43.2	1.6	2.3	0	3.9	7.0	45.9	0	52.9	0	0
Spain, Extremadura	100	48.8	0.3	0	0	0.3	49.3	1.8	3.9	0	5.7	0.4	12.4	32.1	45.0	0	0
Spain, Galicia	100	44.8	0.2	0			45.1	3.0	5.6	0	8.6	2.7	42.5	1.2	46.3	0	0
Spain, Valencian region	100	54.6	0.1	0			54.7	0.9	4.1	0	5.0	0.4	24.1	15.7	40.3	0	0
Sweden	100		1.3	33.4			34.8			9.4	9.4	23.7	32.2	0	55.9	0	0
The Netherlands	100	32.6	1.1	0			33.7	3.3	3.0	0	6.3	23.4	36.6	0	60.0	0	0
United Kingdom, All countries * ‡ §	100	40.3	1.5	0.3	0	1.6	43.8	3.4	3.8	0.1	7.3	10.0	29.6	9.4	48.9	0	0
United Kingdom, England * ‡	100	40.1	1.5	0.2	0	1.9	43.8	3.4	4.0	0.1	7.4	9.9	28.4	10.4	48.7	0	0
United Kingdom, Northern Ireland * ‡	100	44.1	0	2.0	0.1	2.3	48.5	4.4	0.6	0.3	5.3	7.4	17.5	21.2	46.2	0	0
United Kingdom, Scotland	100	41.6	1.3	0			42.9	4.6	1.4	0	6.0	13.2	37.3	0.6	51.2	0	0
United Kingdom, Wales * ‡	100	38.4	2.3	0.3	0	0.1	41.1	1.9	5.9	0.1	7.9	7.6	43.0	0.3	50.9	0	0

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

Percentages are row percentages

When cells are left empty, (complete) data are unavailable

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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	35	4	50	11	9	5	81	6	22	4	65	9	26	4	59	11	39	5	46	11	66	4	17	13	33	4	51	12	38	4	49	9	49	3	34	14	31	4	54	10
Belgium, Dutch-speaking *	32	5	41	21					17	9	63	11	18	5	63	14	34	5	41	20	52	4	10	33	31	6	42	22	34	4	41	20	39	5	24	31	31	5	45	19
Belgium, French-speaking *	43	5	42	10					26	5	62	7	33	4	55	8	41	5	42	11	69	5	12	15	42	5	42	11	45	5	41	9	57	6	23	14	41	5	45	9
Bosnia and Herzegovina	84	4	7	6	59	14	27	0	63	7	20	10	84	3	6	7	93	2	1	4	95	2	0	3	82	4	8	7	86	4	5	5	87	6	2	4	83	3	7	6
Denmark	42	11	47	0	11	2	86	0	25	5	70	1	34	9	56	0	51	15	33	0	80	15	5	0	43	10	46	1	41	11	48	0	53	14	33	1	40	10	50	0
Finland	27	8	59	6	7	6	88	0	18	7	70	5	18	8	68	6	35	7	50	7	59	8	25	8	28	8	57	7	25	7	63	5	31	11	50	9	26	7	62	5
France (23 of 26 regions)	43	4	43	10	11	5	78	6	26	3	66	5	32	3	58	7	47	4	38	11	68	7	8	17	43	4	43	10	44	4	41	10	60	5	19	16	41	4	47	9
Greece	58	6	20	16	31	21	45	3	31	5	46	17	44	6	30	20	65	6	11	17	83	5	1	11	56	5	20	18	61	6	20	13	72	7	4	17	55	5	24	16
Iceland	31	8	62	0	14	14	71	0	16	5	78	0	27	1	72	0	38	7	55	0	62	28	10	0	31	10	59	0	30	4	65	0	42	27	31	0	29	5	66	0
Norway	24	4	72	0	6	6	88	0	13	1	85	0	17	3	80	0	28	4	69	0	50	12	37	0	24	4	71	0	22	5	73	0	33	5	62	0	22	4	73	0
Romania //	81	11	8	0	57	24	19	0	69	10	21	0	83	10	6	0	87	12	1	0	85	15	0	0	81	10	8	0	81	12	7	0	81	15	3	1	81	11	8	0
Serbia	64	8	14	14	26	26	34	14	39	6	40	16	64	8	11	17	79	10	1	9	82	7	0	11	64	7	14	15	64	10	14	13	69	13	7	11	63	7	15	15
Spain, Andalusia	46	4	50	0	9	1	90	0	26	4	69	0	34	4	61	0	54	4	42	0	85	5	11	0	45	4	51	0	47	5	48	0	66	5	29	0	43	4	53	0
Spain, Aragon	41	4	56	0	25	13	63	0	21	6	73	0	29	3	67	0	45	4	50	0	69	3	28	0	40	4	56	0	42	4	54	0	63	4	34	0	36	4	60	0
Spain, Asturias	37	6	57	0	14	14	71	0	24	9	66	0	27	5	67	0	36	4	60	0	64	7	29	0	36	6	58	0	38	7	54	0	51	6	43	0	35	6	59	0
Spain, Basque country	33	8	58	0	6	9	84	0	21	9	70	0	22	8	70	0	35	8	57	0	65	8	26	0	34	9	57	0	32	8	61	0	57	10	33	0	30	8	61	0
Spain, Cantabria *	34	8	58	1					28	8	64	0	21	8	71	0	35	6	59	0	69	8	21	2	35	8	57	1	33	7	59	1	45	8	45	1	32	8	59	0
Spain, Castile and León *	41	7	51	1					23	9	67	1	26	5	68	0	40	7	53	0	75	7	16	3	42	7	50	1	40	7	52	1	58	10	32	1	38	6	54	1
Spain, Castile-La Mancha *	41	5	53	0					23	10	66	0	30	5	65	0	41	4	55	1	73	3	23	0	42	5	52	1	39	5	56	0	63	6	31	0	37	5	57	1
Spain, Catalonia	30	4	53	13	10	2	87	1	16	4	74	6	21	4	65	10	29	5	51	15	54	3	20	23	30	4	53	14	30	4	53	13	45	6	28	22	28	4	57	12
Spain, Extremadura	49	6	45	0	0	14	86	0	33	8	59	0	35	6	58	1	54	5	41	0	86	3	11	0	47	7	45	0	52	4	45	0	75	7	18	1	45	6	50	0
Spain, Galicia	45	9	46	0	0	42	58	0	25	9	66	0	31	10	60	0	49	7	44	0	81	8	11	0	45	9	46	0	45	9	46	0	65	9	26	0	41	8	50	0
Spain, Valencian region	55	5	40	0	11	17	72	0	33	6	61	0	42	6	52	0	57	4	39	0	90	3	7	0	55	5	40	0	54	5	41	0	75	5	20	0	52	5	43	0
Sweden	35	9	56	0	9	6	84	0	20	6	75	0	25	7	68	0	40	11	49	0	69	18	13	0	35	10	55	0	34	8	58	0	44	14	42	0	33	8	59	0
The Netherlands	34	6	60	0	9	8	83	0	20	4	76	0	24	6	70	0	35	7	58	0	70	8	22	0	34	6	60	0	33	6	60	0	54	9	37	0	31	6	63	0
United Kingdom, All countries *	42	7	49	2					25	6	68	1	33	6	59	1	53	9	36	2	77	9	10	3	42	7	49	2	42	7	49	2	58	9	30	3	39	7	52	2
United Kingdom, England *	42	7	49	2					25	6	68	1	33	6	59	2	52	9	36	2	77	10	10	3	42	7	49	2	42	8	49	2	58	9	30	3	39	7	52	2
United Kingdom, Northern Ireland *	46	5	46	2					23	8	68	2	35	4	58	2	61	6	31	2	81	5	11	3	45	5	48	3	48	6	44	1	71	6	23	1	42	5	50	3
United Kingdom, Scotland	43	6	51	0	12	15	73	0	27	5	68	0	35	5	60	0	56	8	36	0	82	7	12	0	42	6	52	0	44	6	50	0	63	6	31	0	40	6	54	0
United Kingdom, Wales *	41	8	51	0					22	6	71	0	29	7	64	0	53	9	38	0	76	11	13	0	41	7	51	0	41	9	50	0	55	10	35	0	38	8	54	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 2011, 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 §	407	100	27	6.6	23	5.7	0	0	50	12.3	357	87.7	0	0
Belgium, Dutch-speaking *	251	100	9	3.6	10	4.0	0	0	19	7.6	231	92.0	1	0.4
Belgium, French-speaking *	208	100	10	4.8	7	3.4	0	0	17	8.2	190	91.3	1	0.5
Bosnia and Herzegovina	22	100	14	63.6	2	9.1	0	0	16	72.7	6	27.3	0	0
Denmark	233	100	53	22.7	36	15.5	0	0	89	38.2	130	55.8	14	6.0
Finland	176	100	13	7.4	0	0	0	0	13	7.4	163	92.6	0	0
France (23 of 26 regions)	2194	100	173	7.9					173	7.9	2018	92.0	3	0.1
Greece	201	100	51	25.4	1	0.5	0	0	52	25.9	149	74.1	0	0
Iceland	11	100	2	18.2	0	0	9	81.8	11	100	0	0	0	0
Norway	302	100	55	18.2	18	6.0	0	0	73	24.2	229	75.8	0	0
Romania	173	100	54	31.2	4	2.3	6	3.5	64	37.0	79	45.7	30	17.3
Serbia	113	100	28	24.8	3	2.7	13	11.5	44	38.9	69	61.1	0	0
Spain, Andalusia	421	100											421	100
Spain, Aragon	78	100					9	11.5	9	11.5	69	88.5	0	0
Spain, Asturias	54	100	9	16.7	0	0	0	0	9	16.7	45	83.3	0	0
Spain, Basque country	121	100	0	0	0	0	0	0	0	0	121	100	0	0
Spain, Cantabria *	48	100	5	10.4	1	2.1	0	0	6	12.5	42	87.5	0	0
Spain, Castile and León *	412	100	0	0	0	0	0	0	0	0	412	100	0	0
Spain, Castile-La Mancha *	82	100											82	100
Spain, Catalonia	579	100	141	24.4	0	0	0	0	141	24.4	438	75.6	0	0
Spain, Extremadura	52	100	3	5.8	0	0	0	0	3	5.8	46	88.5	3	5.8
Spain, Galicia	148	100	0	0	0	0	24	16.2	24	16.2	124	83.8	0	0
Spain, Valencian region	192	100	6	3.1	2	1.0	0	0	8	4.2	184	95.8	0	0
Sweden	427	100	96	22.5	88	20.6	0	0	184	43.1	243	56.9	0	0
The Netherlands	861	100					446	51.8	446	51.8	415	48.2	0	0
United Kingdom, All countries ‡	2740	100	620	22.6	404	14.7	2	0.1	1026	37.5	1714	62.6	0	0
United Kingdom, England ‡	2310	100	532	23.0	354	15.3	2	0.1	888	38.4	1422	61.6	0	0
United Kingdom, Northern Ireland ‡	114	100	35	30.7	12	10.5	0	0	47	41.2	67	58.8	0	0
United Kingdom, Scotland ‡	169	100	30	17.8	23	13.6	0	0	53	31.4	116	68.6	0	0
United Kingdom, Wales ‡	147	100	23	15.7	15	10.2	0	0	38	25.9	109	74.2	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 2011, per million population**  
*by donor type*

	Total	Living			Deceased	Donor type Unkn	
	Pmp	Related	Unrelated	Type Unkn	All	Pmp	
		Pmp	Pmp	Pmp	Pmp		
Austria §	44.6	3.0	2.5	0	5.5	39.2	0
Belgium, Dutch-speaking *	39.7	1.4	1.6	0	3.0	36.5	0.2
Belgium, French-speaking *	44.6	2.1	1.5	0	3.6	40.7	0.2
Bosnia and Herzegovina	6.3	4.0	0.6	0	4.6	1.7	0
Denmark	41.4	9.4	6.4	0	15.8	23.1	2.5
Finland	32.7	2.4	0	0	2.4	30.3	0
France (23 of 26 regions)	43.6	3.4			3.4	40.1	0.1
Greece	17.8	4.5	0.1	0	4.6	13.2	0
Iceland	34.5	6.3	0	28.2	34.5	0	0
Norway	61.0	11.1	3.6	0	14.7	46.2	0
Romania	8.1	2.5	0.2	0.3	3.0	3.7	1.4
Serbia	15.6	3.9	0.4	1.8	6.1	9.5	0
Spain, Andalusia	49.9						49.9
Spain, Aragon	57.9			6.7	6.7	51.2	0
Spain, Asturias	49.9	8.3	0	0	8.3	41.6	0
Spain, Basque country	55.3	0	0	0	0	55.3	0
Spain, Cantabria *	80.9	8.4	1.7	0	10.1	70.8	0
Spain, Castile and León *	161.4	0	0	0	0	161.4	0
Spain, Castile-La Mancha *	38.7						38.7
Spain, Catalonia	76.8	18.7	0	0	18.7	58.1	0
Spain, Extremadura	46.9	2.7	0	0	2.7	41.5	2.7
Spain, Galicia	53.1	0	0	8.6	8.6	44.5	0
Spain, Valencian region	37.5	1.2	0.4	0	1.6	36.0	0
Sweden	45.2	10.2	9.3	0	19.5	25.7	0
The Netherlands	51.6			26.7	26.7	24.9	0
United Kingdom, All countries ‡	43.7	9.9	6.4	0.0	16.4	27.3	0
United Kingdom, England ‡	43.9	10.1	6.7	0.0	16.7	27.0	0
United Kingdom, Northern Ireland ‡	63.0	19.4	6.6	0	26.0	37.0	0
United Kingdom, Scotland ‡	32.2	5.7	4.4	0	10.1	22.1	0
United Kingdom, Wales ‡	48.6	7.6	5.0	0	12.6	36.1	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 since 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 2002-2006): Incident RRT patients, unadjusted**  
*from day 1 to 90 days, one, two, and five years, by age, gender, and primary diagnosis*

	<b>90 day Survival in % (95% CI)</b>	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>				
0-19	99.2 (98.4-99.6)	96.6 (95.2-97.5)	95.8 (94.4-96.9)	93.9 (92.3-95.2)
20-44	98.8 (98.6-99.0)	96.1 (95.7-96.4)	93.0 (92.6-93.5)	86.4 (85.8-86.9)
45-64	96.1 (95.9-96.4)	88.5 (88.1-88.8)	80.5 (80.1-80.9)	62.0 (61.6-62.3)
65-74	92.3 (92.0-92.6)	78.0 (77.6-78.4)	64.4 (64.0-64.8)	36.1 (35.9-36.3)
75+	87.5 (87.1-87.9)	68.1 (67.7-68.5)	50.6 (50.3-50.9)	19.4 (19.3-19.5)
Men	93.3 (93.1-93.5)	81.4 (81.1-81.7)	69.9 (69.6-70.1)	46.6 (46.4-46.8)
Women	92.8 (92.5-93.0)	80.7 (80.3-81.0)	69.6 (69.3-70.0)	47.3 (47.0-47.5)
Diabetes	94.0 (93.6-94.3)	80.8 (80.3-81.2)	66.6 (66.2-67.1)	37.4 (37.1-37.6)
Hypertension / renal vascular disease	92.9 (92.5-93.3)	79.2 (78.6-79.7)	65.6 (65.1-66.1)	38.0 (37.7-38.3)
Glomerulonephritis	97.1 (96.8-97.4)	91.1 (90.6-91.6)	84.5 (83.9-85.0)	69.3 (68.7-69.9)
Other cause	92.3 (92.1-92.6)	80.1 (79.8-80.4)	69.7 (69.3-70.0)	49.1 (48.9-49.4)
All	93.1 (93.0-93.3)	81.1 (80.9-81.3)	69.8 (69.6-70.0)	46.9 (46.7-47.0)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)



Table A.6.2

**90-day, one-, two- and five-year survival probabilities (cohort 2002-2006): Incident RRT patients, adjusted**  
*from day 1 to 90 days, one, two, and five years, adjusted for age, gender, and primary diagnosis*

	<b>90 day Survival in % (95% CI)</b>	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>				
0-19	99.1 (98.5-99.7)	96.2 (95.0-97.5)	95.4 (94.0-96.8)	93.3 (91.6-95.0)
20-44	98.9 (98.7-99.1)	96.1 (95.7-96.4)	93.0 (92.5-93.4)	86.1 (85.4-86.7)
45-64	96.4 (96.2-96.6)	89.1 (88.7-89.4)	81.4 (80.9-81.9)	62.9 (62.3-63.5)
65-74	93.0 (92.7-93.4)	79.6 (79.1-80.1)	66.6 (66.0-67.2)	38.3 (37.7-38.9)
75+	88.3 (87.9-88.7)	69.6 (69.0-70.2)	52.3 (51.6-52.9)	20.6 (20.1-21.1)
Men	96.1 (96.0-96.2)	88.2 (88.0-88.5)	79.6 (79.3-80.0)	57.7 (57.3-58.2)
Women	95.9 (95.7-96.1)	88.2 (87.9-88.5)	80.3 (79.9-80.6)	59.9 (59.3-60.4)
Diabetes	95.9 (95.7-96.1)	86.4 (86.0-86.8)	75.1 (74.6-75.7)	46.9 (46.2-47.6)
Hypertension / renal vascular disease	96.5 (96.3-96.7)	89.3 (88.9-89.6)	81.0 (80.5-81.5)	59.0 (58.3-59.8)
Glomerulonephritis	97.5 (97.3-97.8)	92.3 (91.8-92.8)	85.9 (85.3-86.6)	69.6 (68.7-70.5)
Other cause	95.1 (95.0-95.3)	86.7 (86.4-87.0)	78.7 (78.3-79.0)	59.1 (58.6-59.6)
All	96.0 (95.9-96.1)	88.2 (88.0-88.4)	79.9 (79.6-80.2)	58.6 (58.2-59.0)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.3

**One-, two- and five-year survival probabilities (cohort 2002-2006): Incident RRT patients, unadjusted**  
*from day 91 to one, two, and five years + 90 days, by age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	96.8 (95.4-97.8)	96.2 (94.8-97.3)	94.1 (92.4-95.5)
20-44	96.5 (96.1-96.8)	93.3 (92.9-93.8)	86.6 (86.1-87.2)
45-64	89.7 (89.4-90.0)	81.8 (81.4-82.2)	62.5 (62.2-62.9)
65-74	80.6 (80.2-81.0)	66.9 (66.5-67.3)	37.1 (36.8-37.3)
75+	72.8 (72.3-73.2)	53.8 (53.4-54.2)	20.0 (19.9-20.1)
Men	83.9 (83.6-84.2)	72.1 (71.9-72.4)	47.8 (47.6-48.0)
Women	83.7 (83.4-84.1)	72.5 (72.1-72.8)	48.9 (48.6-49.2)
Diabetes	82.1 (81.7-82.6)	67.5 (67.0-67.9)	37.3 (37.1-37.6)
Hypertension / renal vascular disease	81.4 (80.8-81.9)	67.5 (67.0-68.0)	38.7 (38.4-39.0)
Glomerulonephritis	92.1 (91.6-92.6)	85.4 (84.8-86.0)	69.9 (69.2-70.5)
Other cause	83.6 (83.3-83.9)	73.0 (72.7-73.3)	51.2 (50.9-51.4)
All	83.8 (83.6-84.0)	72.3 (72.0-72.5)	48.2 (48.0-48.4)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.4

**One-, two- and five-year survival probabilities (cohort 2002-2006): Incident RRT patients, adjusted from day 91 to one, two, and five years + 90 days, adjusted for age, gender, and primary diagnosis**

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	96.4 (95.1-97.7)	95.7 (94.3-97.2)	93.4 (91.6-95.2)
20-44	96.4 (96.1-96.8)	93.2 (92.7-93.7)	86.4 (85.7-87.0)
45-64	90.2 (89.9-90.6)	82.7 (82.2-83.1)	63.9 (63.3-64.5)
65-74	81.9 (81.4-82.4)	68.8 (68.2-69.4)	39.6 (38.9-40.2)
75+	73.8 (73.2-74.4)	55.2 (54.5-55.9)	21.5 (20.9-22.1)
Men	89.6 (89.4-89.8)	80.9 (80.5-81.2)	58.5 (58.0-59.0)
Women	89.9 (89.6-90.2)	81.8 (81.4-82.2)	60.9 (60.3-61.5)
Diabetes	87.2 (86.8-87.6)	75.5 (75.0-76.1)	47.0 (46.2-47.7)
Hypertension / renal vascular disease	90.3 (89.9-90.7)	81.9 (81.4-82.5)	59.4 (58.6-60.2)
Glomerulonephritis	93.0 (92.5-93.5)	86.6 (86.0-87.3)	70.1 (69.2-71.0)
Other cause	88.9 (88.7-89.2)	80.8 (80.4-81.2)	60.6 (60.1-61.1)
All	89.7 (89.5-89.9)	81.3 (81.0-81.5)	59.5 (59.1-59.9)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.5

**90-day, one- and two-year survival probabilities (cohort 2005-2009): Incident RRT patients, unadjusted**  
*from day 1 to 90 days, one, and two years, by age, gender, and primary diagnosis*

	<b>90 day Survival in % (95% CI)</b>	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	98.8 (97.9-99.3)	96.4 (95.1-97.4)	95.8 (94.4-96.8)
20-44	99.1 (98.9-99.2)	96.7 (96.4-97.0)	93.7 (93.3-94.1)
45-64	96.8 (96.6-97.0)	89.7 (89.4-90.0)	82.4 (82.1-82.8)
65-74	93.2 (92.9-93.5)	80.3 (79.9-80.7)	67.8 (67.5-68.2)
75+	88.9 (88.6-89.2)	70.6 (70.2-71.0)	54.0 (53.7-54.4)
Men	94.1 (94.0-94.3)	82.9 (82.7-83.2)	72.1 (71.9-72.4)
Women	93.6 (93.3-93.8)	82.4 (82.0-82.7)	71.9 (71.6-72.2)
Diabetes	94.7 (94.5-95.0)	82.8 (82.4-83.2)	69.5 (69.1-69.9)
Hypertension / renal vascular disease	93.8 (93.4-94.1)	81.0 (80.5-81.4)	67.6 (67.2-68.1)
Glomerulonephritis	97.4 (97.1-97.7)	92.0 (91.5-92.4)	86.1 (85.6-86.6)
Other cause	93.2 (92.9-93.4)	81.6 (81.3-81.9)	72.0 (71.7-72.3)
All	93.9 (93.8-94.1)	82.7 (82.5-82.9)	72.0 (71.8-72.2)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.6

**90-day, one- and two-year survival probabilities (cohort 2005-2009): Incident RRT patients, adjusted from day 1 to 90 days, one, and two years, adjusted for age, gender, and primary diagnosis**

	<b>90 day Survival in % (95% CI)</b>	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	98.5 (97.8-99.3)	96.0 (94.8-97.3)	95.4 (94.0-96.8)
20-44	99.1 (98.9-99.2)	96.7 (96.3-97.0)	93.6 (93.2-94.0)
45-64	97.0 (96.8-97.2)	90.3 (89.9-90.6)	83.2 (82.8-83.6)
65-74	93.9 (93.6-94.1)	81.8 (81.3-82.2)	69.7 (69.2-70.3)
75+	89.7 (89.3-90.0)	72.1 (71.6-72.6)	55.9 (55.3-56.5)
Men	96.5 (96.4-96.7)	89.3 (89.1-89.5)	81.4 (81.1-81.7)
Women	96.3 (96.2-96.5)	89.2 (89.0-89.5)	81.8 (81.4-82.2)
Diabetes	96.5 (96.3-96.7)	88.0 (87.6-88.3)	77.6 (77.2-78.1)
Hypertension / renal vascular disease	97.0 (96.8-97.1)	90.2 (89.9-90.6)	82.3 (81.9-82.8)
Glomerulonephritis	97.8 (97.5-98.0)	93.0 (92.5-93.4)	87.5 (86.9-88.0)
Other cause	95.6 (95.5-95.8)	87.7 (87.5-88.0)	80.4 (80.0-80.7)
All	96.5 (96.4-96.6)	89.3 (89.1-89.5)	81.6 (81.3-81.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.7

**One- and two-year survival probabilities (cohort 2005-2009): Incident RRT patients, unadjusted**  
*from day 91 to one and two years + 90 days, by age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19	97.0 (95.7-98.0)	96.4 (94.9-97.4)
20-44	96.8 (96.5-97.1)	93.7 (93.3-94.1)
45-64	90.6 (90.3-90.9)	83.2 (82.8-83.6)
65-74	82.7 (82.3-83.1)	69.9 (69.5-70.3)
75+	74.5 (74.1-74.9)	56.6 (56.2-56.9)
Men	85.0 (84.7-85.2)	73.8 (73.6-74.1)
Women	85.0 (84.7-85.3)	74.1 (73.8-74.4)
Diabetes	83.6 (83.2-84.0)	70.0 (69.6-70.5)
Hypertension / renal vascular disease	82.6 (82.1-83.1)	68.7 (68.2-69.2)
Glomerulonephritis	92.8 (92.3-93.2)	86.7 (86.1-87.2)
Other cause	84.7 (84.5-85.0)	74.7 (74.4-75.0)
All	85.0 (84.8-85.2)	73.9 (73.7-74.1)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.8

**One- and two-year survival probabilities (cohort 2005-2009): Incident RRT patients, adjusted from day 91 to one and two years + 90 days, adjusted for age, gender, and primary diagnosis**

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19	96.6 (95.3-97.9)	95.9 (94.5-97.3)
20-44	96.7 (96.4-97.1)	93.6 (93.2-94.1)
45-64	91.1 (90.8-91.4)	84.1 (83.7-84.5)
65-74	83.8 (83.4-84.3)	71.8 (71.3-72.4)
75+	75.7 (75.1-76.2)	58.5 (57.9-59.1)
Men	90.3 (90.1-90.6)	82.3 (82.0-82.6)
Women	90.6 (90.3-90.9)	83.0 (82.6-83.4)
Diabetes	88.4 (88.0-88.7)	77.9 (77.4-78.5)
Hypertension / renal vascular disease	90.9 (90.6-91.3)	82.7 (82.2-83.2)
Glomerulonephritis	93.6 (93.2-94.0)	88.0 (87.4-88.5)
Other cause	89.7 (89.4-89.9)	82.2 (81.8-82.5)
All	90.5 (90.3-90.6)	82.6 (82.3-82.9)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.9

**90-day, one-, two- and five-year survival probabilities (cohort 2002-2006): Incident dialysis patients, unadjusted**  
*from day 1 to 90 days, one, two, and five years, by age, gender, and primary diagnosis*

	<b>90 day Survival in % (95% CI)</b>	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>				
0-19	99.0 (98.0-99.5)	95.8 (93.9-97.1)	94.9 (92.8-96.4)	91.7 (88.1-94.3)
20-44	98.8 (98.5-98.9)	95.6 (95.2-96.0)	91.4 (90.9-92.0)	79.2 (78.4-80.0)
45-64	96.1 (95.8-96.3)	88.0 (87.6-88.3)	78.9 (78.5-79.3)	54.5 (54.1-54.9)
65-74	92.3 (92.0-92.6)	77.8 (77.4-78.2)	64.0 (63.6-64.4)	34.3 (34.0-34.5)
75+	87.5 (87.1-87.9)	68.1 (67.7-68.5)	50.6 (50.2-50.9)	19.3 (19.2-19.4)
Men	93.2 (93.0-93.4)	80.7 (80.4-81.0)	67.9 (67.6-68.1)	38.9 (38.7-39.1)
Women	92.6 (92.3-92.8)	79.9 (79.5-80.2)	67.6 (67.3-68.0)	39.9 (39.7-40.2)
Diabetes	93.9 (93.6-94.2)	80.4 (80.0-80.8)	65.5 (65.0-65.9)	32.2 (32.0-32.4)
Hypertension / renal vascular disease	92.9 (92.5-93.2)	78.9 (78.4-79.4)	64.6 (64.1-65.1)	33.9 (33.6-34.1)
Glomerulonephritis	97.0 (96.6-97.3)	90.5 (90.0-91.0)	82.3 (81.7-83.0)	59.2 (58.5-59.9)
Other cause	92.2 (91.9-92.4)	79.3 (79.0-79.6)	67.5 (67.2-67.8)	41.5 (41.3-41.7)
All	93.0 (92.8-93.1)	80.4 (80.2-80.6)	67.8 (67.6-68.0)	39.3 (39.2-39.4)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)



Table A.6.10

**90-day, one-, two- and five-year survival probabilities (cohort 2002-2006): Incident dialysis patients, adjusted**  
*from day 1 to 90 days, one, two, and five years, adjusted for age, gender, and primary diagnosis*

	<b>90 day Survival in % (95% CI)</b>	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>				
0-19	98.9 (98.2-99.7)	95.5 (93.8-97.3)	94.5 (92.5-96.6)	90.5 (86.5-94.8)
20-44	98.8 (98.6-99.0)	95.7 (95.3-96.1)	91.4 (90.8-92.0)	78.1 (77.0-79.3)
45-64	96.3 (96.1-96.5)	88.6 (88.2-89.0)	79.9 (79.4-80.4)	55.1 (54.3-55.8)
65-74	92.9 (92.6-93.2)	79.2 (78.7-79.7)	65.8 (65.3-66.4)	35.8 (35.2-36.5)
75+	88.2 (87.8-88.6)	69.4 (68.8-70.0)	51.9 (51.3-52.6)	20.2 (19.7-20.7)
Men	95.5 (95.3-95.6)	86.5 (86.2-86.8)	76.6 (76.2-77.0)	50.6 (50.1-51.1)
Women	95.2 (95.0-95.4)	86.4 (86.0-86.7)	77.2 (76.7-77.6)	53.0 (52.4-53.7)
Diabetes	95.4 (95.2-95.7)	84.9 (84.5-85.4)	72.5 (71.9-73.1)	41.1 (40.4-41.9)
Hypertension / renal vascular disease	95.9 (95.6-96.1)	87.4 (86.9-87.8)	77.8 (77.2-78.4)	52.1 (51.3-53.0)
Glomerulonephritis	97.3 (97.0-97.6)	91.4 (90.9-92.0)	84.0 (83.3-84.8)	62.2 (61.1-63.3)
Other cause	94.4 (94.2-94.6)	84.8 (84.5-85.2)	75.5 (75.1-76.0)	52.2 (51.6-52.8)
All	95.4 (95.3-95.5)	86.5 (86.2-86.7)	76.8 (76.5-77.2)	51.6 (51.1-52.0)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.11

**One-, two- and five-year survival probabilities (cohort 2002-2006): Incident dialysis patients, unadjusted**  
*from day 91 to one, two, and five years + 90 days, by age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	96.2 (94.3-97.5)	95.5 (93.3-97.0)	92.7 (88.9-95.2)
20-44	96.0 (95.6-96.3)	91.6 (91.0-92.1)	78.8 (78.0-79.7)
45-64	89.1 (88.7-89.4)	80.0 (79.6-80.4)	54.5 (54.1-54.9)
65-74	80.4 (80.0-80.8)	66.3 (65.9-66.8)	34.9 (34.7-35.1)
75+	72.7 (72.3-73.2)	53.8 (53.4-54.1)	19.9 (19.8-20.0)
Men	83.1 (82.8-83.4)	69.8 (69.5-70.1)	39.3 (39.2-39.5)
Women	82.9 (82.6-83.3)	70.3 (69.9-70.7)	40.9 (40.6-41.1)
Diabetes	81.7 (81.3-82.2)	66.1 (65.7-66.6)	31.8 (31.6-32.0)
Hypertension / renal vascular disease	81.0 (80.4-81.5)	66.3 (65.8-66.9)	34.0 (33.7-34.3)
Glomerulonephritis	91.3 (90.8-91.9)	83.0 (82.3-83.6)	58.9 (58.2-59.6)
Other cause	82.7 (82.4-83.0)	70.7 (70.3-71.0)	42.8 (42.6-43.1)
All	83.0 (82.8-83.2)	70.0 (69.8-70.2)	39.9 (39.8-40.1)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.12

**One-, two- and five-year survival probabilities (cohort 2002-2006): Incident dialysis patients, adjusted from day 91 to one, two, and five years + 90 days, adjusted for age, gender, and primary diagnosis**

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19			
20-44	96.0 (95.6-96.4)	91.6 (91.0-92.2)	77.9 (76.7-79.1)
45-64	89.7 (89.3-90.1)	81.0 (80.5-81.5)	55.4 (54.7-56.2)
65-74	81.5 (81.0-82.0)	68.0 (67.4-68.6)	36.8 (36.2-37.5)
75+	73.6 (73.0-74.2)	54.9 (54.2-55.6)	21.0 (20.5-21.6)
Men	87.9 (87.6-88.2)	77.7 (77.3-78.1)	50.8 (50.3-51.4)
Women	88.2 (87.8-88.5)	78.7 (78.3-79.2)	53.6 (53.0-54.3)
Diabetes	85.7 (85.2-86.2)	72.8 (72.2-73.4)	40.8 (40.0-41.6)
Hypertension / renal vascular disease	88.4 (88.0-88.9)	78.6 (78.0-79.2)	52.0 (51.1-52.9)
Glomerulonephritis	92.1 (91.6-92.7)	84.6 (83.8-85.3)	62.2 (61.0-63.4)
Other cause	87.2 (86.9-87.5)	77.6 (77.2-78.1)	53.1 (52.5-53.8)
All	88.0 (87.8-88.3)	78.1 (77.8-78.4)	52.0 (51.5-52.4)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.13

**90-day, one- and two-year survival probabilities (cohort 2005-2009): Incident dialysis patients, unadjusted**  
*from day 1 to 90 days, one, and two years, by age, gender, and primary diagnosis*

	<b>90 day Survival in % (95% CI)</b>	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	98.4 (97.2-99.1)	94.9 (92.9-96.4)	93.4 (91.0-95.2)
20-44	99.0 (98.8-99.2)	96.1 (95.8-96.5)	91.9 (91.4-92.4)
45-64	96.7 (96.5-96.9)	89.0 (88.7-89.4)	80.6 (80.2-81.0)
65-74	93.2 (92.9-93.4)	80.1 (79.7-80.4)	67.2 (66.8-67.6)
75+	88.9 (88.6-89.2)	70.6 (70.2-70.9)	54.0 (53.7-54.3)
Men	93.9 (93.8-94.1)	82.1 (81.8-82.3)	69.9 (69.7-70.2)
Women	93.3 (93.1-93.6)	81.4 (81.1-81.7)	69.7 (69.4-70.0)
Diabetes	94.7 (94.4-94.9)	82.4 (82.0-82.8)	68.2 (67.8-68.6)
Hypertension / renal vascular disease	93.7 (93.4-94.1)	80.7 (80.2-81.2)	66.7 (66.2-67.2)
Glomerulonephritis	97.3 (97.0-97.6)	91.2 (90.7-91.7)	84.0 (83.3-84.6)
Other cause	92.9 (92.7-93.1)	80.6 (80.3-80.9)	69.6 (69.3-69.9)
All	93.7 (93.6-93.9)	81.8 (81.6-82.0)	69.9 (69.6-70.1)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.14

**90-day, one- and two-year survival probabilities (cohort 2005-2009): Incident dialysis patients, adjusted from day 1 to 90 days, one, and two years, adjusted for age, gender, and primary diagnosis**

	<b>90 day Survival in % (95% CI)</b>	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	98.2 (97.1-99.2)	94.7 (92.8-96.6)	93.0 (90.7-95.4)
20-44	99.0 (98.8-99.2)	96.2 (95.8-96.5)	91.9 (91.3-92.5)
45-64	96.9 (96.7-97.1)	89.7 (89.4-90.0)	81.6 (81.1-82.0)
65-74	93.8 (93.5-94.0)	81.4 (80.9-81.9)	69.0 (68.4-69.5)
75+	89.6 (89.3-90.0)	71.9 (71.4-72.5)	55.6 (55.0-56.2)
Men	96.1 (96.0-96.3)	88.0 (87.8-88.2)	79.0 (78.7-79.4)
Women	95.8 (95.7-96.0)	87.9 (87.6-88.2)	79.5 (79.1-79.9)
Diabetes	96.2 (96.0-96.4)	86.9 (86.5-87.3)	75.7 (75.2-76.2)
Hypertension / renal vascular disease	96.5 (96.3-96.7)	89.0 (88.6-89.3)	80.0 (79.5-80.5)
Glomerulonephritis	97.6 (97.3-97.8)	92.2 (91.8-92.7)	85.8 (85.2-86.5)
Other cause	95.1 (94.9-95.3)	86.3 (86.0-86.6)	77.9 (77.5-78.3)
All	96.0 (95.9-96.1)	88.0 (87.8-88.2)	79.2 (78.9-79.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.15

**One- and two-year survival probabilities (cohort 2005-2009): Incident dialysis patients, unadjusted**  
*from day 91 to one and two years + 90 days, by age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19	95.9 (93.8-97.2)	94.4 (91.9-96.1)
20-44	96.2 (95.8-96.5)	91.8 (91.2-92.3)
45-64	89.9 (89.5-90.2)	81.2 (80.8-81.6)
65-74	82.4 (82.0-82.8)	69.2 (68.8-69.6)
75+	74.5 (74.1-74.9)	56.5 (56.1-56.8)
Men	84.1 (83.9-84.4)	71.4 (71.2-71.7)
Women	84.0 (83.7-84.4)	71.7 (71.4-72.1)
Diabetes	83.2 (82.7-83.6)	68.6 (68.2-69.1)
Hypertension / renal vascular disease	82.2 (81.7-82.7)	67.5 (67.0-68.0)
Glomerulonephritis	92.0 (91.5-92.5)	84.3 (83.7-84.9)
Other cause	83.7 (83.4-84.0)	72.2 (71.8-72.5)
All	84.1 (83.9-84.3)	71.6 (71.3-71.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.16

**One- and two-year survival probabilities (cohort 2005-2009): Incident dialysis patients, adjusted from day 91 to one and two years + 90 days, adjusted for age, gender, and primary diagnosis**

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19		
20-44	96.2 (95.8-96.6)	91.8 (91.2-92.4)
45-64	90.5 (90.1-90.8)	82.3 (81.8-82.8)
65-74	83.5 (83.0-83.9)	71.0 (70.4-71.5)
75+	75.5 (74.9-76.0)	58.2 (57.5-58.8)
Men	89.1 (88.9-89.3)	79.9 (79.5-80.2)
Women	89.3 (89.0-89.6)	80.6 (80.2-81.1)
Diabetes	87.3 (86.9-87.7)	75.9 (75.3-76.4)
Hypertension / renal vascular disease	89.6 (89.2-90.0)	80.3 (79.7-80.8)
Glomerulonephritis	92.9 (92.4-93.4)	86.2 (85.5-86.9)
Other cause	88.3 (88.0-88.6)	79.7 (79.3-80.1)
All	89.2 (89.0-89.4)	80.2 (79.9-80.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.17

**One-, two- and five-year survival probabilities (cohort 2002-2006): 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	98.4 (96.8-99.2)	97.5 (95.7-98.6)	95.4 (93.3-96.9)
20-44	97.9 (97.5-98.3)	97.1 (96.6-97.5)	93.9 (93.3-94.5)
45-64	95.0 (94.5-95.5)	92.7 (92.1-93.2)	85.2 (84.5-85.8)
65+	88.0 (86.4-89.4)	83.6 (81.9-85.1)	69.8 (68.1-71.4)
Men	95.2 (94.7-95.6)	93.2 (92.7-93.7)	86.3 (85.7-86.9)
Women	96.0 (95.5-96.5)	94.1 (93.4-94.6)	88.5 (87.7-89.2)
Diabetes	93.1 (92.1-94.1)	90.3 (89.2-91.4)	80.3 (78.9-81.6)
Hypertension / renal vascular disease	93.1 (91.8-94.2)	90.4 (88.9-91.6)	81.3 (79.6-82.8)
Glomerulonephritis	96.8 (96.2-97.3)	95.6 (94.9-96.2)	90.7 (89.8-91.6)
Other cause	96.1 (95.6-96.5)	94.2 (93.7-94.7)	88.6 (87.9-89.2)
All	95.5 (95.1-95.8)	93.5 (93.1-93.9)	87.1 (86.6-87.6)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)*



Table A.6.18

**One-, two- and five-year survival probabilities (cohort 2002-2006): 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			
20-44	98.1 (97.7-98.4)	97.3 (96.8-97.7)	94.3 (93.7-95.0)
45-64	95.5 (95.0-95.9)	93.3 (92.8-93.9)	86.3 (85.5-87.1)
65+	89.2 (87.6-90.8)	85.1 (83.4-87.0)	72.2 (69.9-74.5)
Men	97.1 (96.8-97.4)	95.8 (95.4-96.2)	91.2 (90.6-91.7)
Women	97.3 (97.0-97.7)	96.0 (95.6-96.5)	92.1 (91.5-92.8)
Diabetes	95.2 (94.5-96.0)	93.2 (92.3-94.1)	85.6 (84.3-87.0)
Hypertension / renal vascular disease	96.5 (95.8-97.2)	95.0 (94.2-95.9)	89.9 (88.7-91.2)
Glomerulonephritis	97.6 (97.2-98.1)	96.7 (96.2-97.3)	93.0 (92.3-93.8)
Other cause	97.3 (96.9-97.6)	95.9 (95.5-96.3)	91.8 (91.2-92.4)
All	97.2 (96.9-97.4)	95.9 (95.6-96.2)	91.6 (91.1-92.0)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.19

**One- and two-year survival probabilities (cohort 2005-2009): 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	97.7 (95.9-98.7)	97.3 (95.4-98.4)
20-44	97.9 (97.6-98.3)	97.0 (96.5-97.4)
45-64	95.7 (95.3-96.1)	93.6 (93.1-94.1)
65+	90.9 (89.6-92.0)	86.7 (85.2-88.0)
Men	95.7 (95.3-96.1)	93.7 (93.2-94.1)
Women	96.6 (96.2-97.0)	95.0 (94.4-95.5)
Diabetes	94.1 (93.2-94.9)	91.6 (90.5-92.5)
Hypertension / renal vascular disease	94.3 (93.2-95.3)	91.7 (90.4-92.9)
Glomerulonephritis	97.4 (96.8-97.9)	96.0 (95.3-96.6)
Other cause	96.4 (96.0-96.8)	94.7 (94.2-95.1)
All	96.0 (95.7-96.3)	94.2 (93.8-94.5)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)*

Table A.6.20

**One- and two-year survival probabilities (cohort 2005-2009): First transplant patients (deceased donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis**

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19		
20-44	98.1 (97.8-98.5)	97.2 (96.8-97.6)
45-64	96.1 (95.7-96.5)	94.2 (93.7-94.7)
65+	91.8 (90.5-93.1)	87.9 (86.4-89.5)
Men	97.2 (96.9-97.5)	95.9 (95.5-96.3)
Women	97.6 (97.3-98.0)	96.4 (96.0-96.9)
Diabetes	95.7 (95.0-96.3)	93.7 (92.9-94.6)
Hypertension / renal vascular disease	96.8 (96.2-97.5)	95.3 (94.5-96.1)
Glomerulonephritis	98.1 (97.7-98.5)	97.0 (96.5-97.5)
Other cause	97.3 (97.0-97.6)	96.0 (95.6-96.4)
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, Italy (Calabria), Norway, 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.21

**One-, two- and five-year survival probabilities (cohort 2002-2006): 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	98.3 (96.3-99.2)	98.3 (96.3-99.2)	96.6 (94.2-98.0)
20-44	99.0 (98.4-99.3)	98.3 (97.7-98.8)	97.4 (96.7-98.0)
45-64	97.0 (96.0-97.8)	96.0 (94.9-96.9)	92.4 (91.0-93.5)
65+	93.8 (89.7-96.3)	90.7 (86.2-93.8)	82.0 (77.0-85.9)
Men	97.8 (97.1-98.3)	97.0 (96.3-97.6)	94.7 (93.8-95.4)
Women	98.3 (97.5-98.9)	97.4 (96.5-98.1)	95.1 (93.9-96.0)
Diabetes	94.5 (91.5-96.4)	91.9 (88.6-94.3)	85.4 (81.6-88.4)
Hypertension / renal vascular disease	97.8 (95.5-98.9)	96.9 (94.4-98.3)	92.2 (89.0-94.5)
Glomerulonephritis	99.1 (98.3-99.5)	98.5 (97.6-99.1)	97.8 (96.7-98.5)
Other cause	97.9 (97.1-98.4)	97.2 (96.4-97.8)	94.9 (93.9-95.7)
All	98.0 (97.5-98.4)	97.1 (96.6-97.6)	94.8 (94.1-95.4)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)*

Table A.6.22

**One-, two- and five-year survival probabilities (cohort 2002-2006): 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	98.9 (98.5-99.4)	98.3 (97.7-98.8)	97.3 (96.6-98.1)
45-64	97.2 (96.4-98.1)	96.2 (95.2-97.2)	92.7 (91.2-94.1)
65+	95.0 (91.9-98.1)	92.9 (89.4-96.6)	85.2 (80.2-90.5)
Men	98.0 (97.4-98.5)	97.2 (96.6-97.9)	95.0 (94.1-95.9)
Women	98.3 (97.6-99.0)	97.4 (96.5-98.2)	95.0 (93.9-96.2)
Diabetes	95.4 (93.2-97.6)	93.2 (90.6-95.8)	87.6 (84.2-91.1)
Hypertension / renal vascular disease	98.5 (97.3-99.6)	97.8 (96.5-99.2)	94.4 (92.2-96.6)
Glomerulonephritis	99.0 (98.4-99.6)	98.4 (97.6-99.2)	97.6 (96.7-98.6)
Other cause	97.7 (97.1-98.4)	97.0 (96.2-97.8)	94.5 (93.5-95.6)
All	98.1 (97.7-98.5)	97.3 (96.8-97.8)	95.0 (94.3-95.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.23

**One- and two-year survival probabilities (cohort 2005-2009): First transplant patients (living donor), unadjusted**  
*from day of transplant to one and two years, by age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19	99.0 (97.4-99.6)	99.0 (97.4-99.6)
20-44	99.4 (99.0-99.6)	99.0 (98.6-99.3)
45-64	97.7 (97.0-98.2)	96.5 (95.7-97.2)
65+	94.6 (91.9-96.4)	92.1 (89.2-94.3)
Men	98.3 (97.8-98.7)	97.5 (96.9-97.9)
Women	98.4 (97.8-98.9)	97.7 (97.0-98.3)
Diabetes	96.0 (93.9-97.4)	93.8 (91.4-95.6)
Hypertension / renal vascular disease	95.9 (93.6-97.3)	95.2 (92.8-96.8)
Glomerulonephritis	99.3 (98.7-99.6)	98.8 (98.1-99.3)
Other cause	98.5 (97.9-98.8)	97.8 (97.2-98.2)
All	98.3 (98.0-98.6)	97.6 (97.1-97.9)

*\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)*

Table A.6.24

**One- and two-year survival probabilities (cohort 2005-2009): First transplant patients (living donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis**

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19		
20-44	99.4 (99.0-99.7)	99.0 (98.6-99.4)
45-64	97.7 (97.1-98.3)	96.7 (95.9-97.4)
65+	95.3 (93.2-97.5)	93.4 (90.9-96.0)
Men	98.7 (98.3-99.1)	98.1 (97.6-98.5)
Women	98.6 (98.2-99.1)	98.0 (97.5-98.6)
Diabetes	97.3 (96.0-98.6)	95.7 (94.1-97.4)
Hypertension / renal vascular disease	97.6 (96.4-98.7)	97.2 (95.9-98.4)
Glomerulonephritis	99.3 (98.9-99.8)	98.9 (98.3-99.4)
Other cause	98.6 (98.2-99.1)	98.0 (97.5-98.5)
All	98.7 (98.4-99.0)	98.1 (97.7-98.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.25

**One-, two- and five-year survival probabilities (cohort 2002-2006): 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	91.5 (89.0-93.5)	89.7 (87.0-91.9)	77.6 (74.5-80.3)
20-44	92.3 (91.6-93.0)	89.7 (88.9-90.4)	82.6 (81.7-83.5)
45-64	89.6 (88.9-90.2)	86.7 (86.0-87.3)	77.2 (76.4-77.9)
65+	81.1 (79.4-82.7)	76.3 (74.6-78.0)	61.9 (60.3-63.4)
Men	89.8 (89.2-90.4)	86.8 (86.2-87.4)	77.1 (76.4-77.7)
Women	89.7 (89.0-90.4)	86.9 (86.1-87.7)	78.6 (77.7-79.4)
Diabetes	88.9 (87.7-90.1)	85.4 (84.1-86.6)	73.5 (72.1-74.8)
Hypertension / renal vascular disease	87.0 (85.4-88.4)	82.9 (81.3-84.4)	71.2 (69.5-72.8)
Glomerulonephritis	90.9 (90.0-91.8)	88.5 (87.5-89.4)	80.1 (79.0-81.2)
Other cause	90.2 (89.6-90.8)	87.4 (86.7-88.0)	79.0 (78.2-79.7)
All	89.8 (89.3-90.2)	86.8 (86.4-87.3)	77.6 (77.1-78.2)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)



Table A.6.26

**One-, two- and five-year survival probabilities (cohort 2002-2006): 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	91.1 (88.6-93.8)	89.2 (86.4-92.1)	76.6 (72.8-80.5)
20-44	92.6 (91.9-93.3)	90.0 (89.2-90.9)	83.1 (82.1-84.2)
45-64	89.9 (89.2-90.6)	87.1 (86.4-87.9)	77.8 (76.9-78.8)
65+	82.1 (80.1-84.1)	77.5 (75.3-79.7)	63.4 (60.9-65.9)
Men	91.1 (90.5-91.6)	88.4 (87.7-89.0)	79.5 (78.6-80.3)
Women	90.7 (89.9-91.4)	88.1 (87.3-89.0)	80.3 (79.3-81.4)
Diabetes	89.9 (88.7-91.2)	86.6 (85.3-88.0)	75.4 (73.7-77.2)
Hypertension / renal vascular disease	89.3 (87.9-90.8)	86.0 (84.3-87.6)	75.9 (73.8-78.0)
Glomerulonephritis	91.4 (90.5-92.4)	89.2 (88.2-90.2)	81.2 (79.9-82.5)
Other cause	90.9 (90.2-91.5)	88.3 (87.5-89.0)	80.4 (79.4-81.3)
All	90.9 (90.5-91.4)	88.3 (87.8-88.8)	79.8 (79.1-80.5)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.27

**One- and two-year survival probabilities (cohort 2005-2009): First graft (deceased donor), unadjusted**  
*from day of transplant to one and two years, by age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19	91.4 (88.8-93.4)	88.6 (85.8-90.9)
20-44	92.8 (92.2-93.4)	90.4 (89.7-91.1)
45-64	90.2 (89.6-90.8)	87.3 (86.7-87.9)
65+	84.6 (83.1-86.0)	80.4 (78.9-81.9)
Men	90.5 (90.0-91.0)	87.5 (86.9-88.0)
Women	90.6 (90.0-91.3)	88.0 (87.3-88.7)
Diabetes	89.3 (88.2-90.3)	85.9 (84.7-87.0)
Hypertension / renal vascular disease	88.5 (87.1-89.8)	85.4 (83.9-86.7)
Glomerulonephritis	91.5 (90.6-92.3)	88.7 (87.7-89.6)
Other cause	91.0 (90.4-91.5)	88.2 (87.6-88.8)
All	90.6 (90.1-91.0)	87.7 (87.2-88.1)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.28

**One- and two-year survival probabilities (cohort 2005-2009): First graft (deceased donor), adjusted from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis**

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19	90.9 (88.3-93.6)	88.0 (85.0-91.0)
20-44	93.1 (92.4-93.7)	90.6 (89.9-91.4)
45-64	90.4 (89.8-91.1)	87.6 (86.9-88.3)
65+	85.1 (83.4-86.8)	81.0 (79.1-82.8)
Men	91.5 (91.0-92.1)	88.8 (88.2-89.4)
Women	91.4 (90.7-92.1)	88.9 (88.1-89.7)
Diabetes	90.1 (88.9-91.2)	86.8 (85.6-88.1)
Hypertension / renal vascular disease	90.3 (88.9-91.6)	87.6 (86.1-89.1)
Glomerulonephritis	91.9 (91.1-92.8)	89.3 (88.3-90.3)
Other cause	91.6 (91.0-92.2)	89.0 (88.3-89.7)
All	91.5 (91.0-91.9)	88.8 (88.3-89.3)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.29

**One-, two- and five-year survival probabilities (cohort 2002-2006): First graft (living donor), unadjusted**  
*from day of transplant to one, two, and five years, by age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	94.1 (91.3-96.0)	93.0 (90.0-95.1)	84.0 (80.5-86.9)
20-44	94.9 (93.9-95.8)	93.3 (92.2-94.2)	88.5 (87.2-89.7)
45-64	94.9 (93.7-95.9)	93.3 (92.0-94.4)	87.6 (86.0-89.1)
65+	90.2 (85.7-93.4)	86.1 (81.3-89.7)	78.9 (73.9-83.0)
Men	94.6 (93.7-95.4)	93.0 (92.0-93.9)	87.5 (86.3-88.6)
Women	94.7 (93.5-95.7)	92.8 (91.5-93.9)	87.1 (85.5-88.5)
Diabetes	90.9 (87.5-93.4)	88.0 (84.4-90.8)	78.2 (74.4-81.6)
Hypertension / renal vascular disease	94.4 (91.4-96.3)	91.9 (88.6-94.2)	83.1 (79.4-86.2)
Glomerulonephritis	96.0 (94.7-97.0)	93.9 (92.4-95.1)	89.3 (87.5-90.9)
Other cause	94.1 (93.0-95.0)	92.7 (91.6-93.7)	87.4 (86.0-88.6)
All	94.6 (93.9-95.3)	92.9 (92.1-93.6)	87.3 (86.4-88.2)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.30

**One-, two- and five-year survival probabilities (cohort 2002-2006): First graft (living donor), adjusted from day of transplant to one, two, and five years, adjusted for age, gender, and primary diagnosis**

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>	<b>5 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>			
0-19	94.0 (91.3-96.6)	92.7 (89.8-95.6)	83.2 (79.1-87.5)
20-44	94.6 (93.6-95.7)	92.9 (91.7-94.1)	87.8 (86.4-89.3)
45-64	94.8 (93.6-96.0)	93.1 (91.7-94.5)	87.3 (85.5-89.1)
65+	90.8 (86.8-95.1)	87.6 (82.9-92.5)	81.0 (75.4-87.0)
Men	94.4 (93.5-95.4)	92.7 (91.7-93.8)	86.9 (85.6-88.4)
Women	94.3 (93.0-95.5)	92.3 (90.8-93.7)	86.2 (84.4-88.1)
Diabetes	91.0 (87.8-94.2)	88.1 (84.5-91.8)	78.4 (73.9-83.1)
Hypertension / renal vascular disease	94.5 (92.0-97.0)	92.0 (89.1-95.0)	83.4 (79.4-87.6)
Glomerulonephritis	95.9 (94.7-97.1)	93.8 (92.3-95.3)	89.1 (87.2-91.1)
Other cause	93.9 (92.9-95.0)	92.5 (91.3-93.7)	87.1 (85.5-88.6)
All	94.4 (93.6-95.1)	92.6 (91.7-93.4)	86.7 (85.6-87.8)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Catalonia), Spain (Valencian region), Sweden, The Netherlands, United Kingdom (England and Wales) and United Kingdom (Scotland)

Table A.6.31

**One- and two-year survival probabilities (cohort 2005-2009): First graft (living donor), unadjusted**  
*from day of transplant to one and two years, by age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19	95.3 (92.9-96.9)	93.5 (90.9-95.4)
20-44	95.7 (94.9-96.4)	94.3 (93.4-95.0)
45-64	95.7 (94.8-96.4)	93.8 (92.8-94.7)
65+	92.7 (89.8-94.8)	90.0 (86.8-92.4)
Men	95.5 (94.8-96.1)	94.0 (93.2-94.7)
Women	95.4 (94.5-96.2)	93.4 (92.3-94.3)
Diabetes	94.1 (91.6-95.8)	91.4 (88.7-93.5)
Hypertension / renal vascular disease	92.2 (89.5-94.2)	90.1 (87.3-92.4)
Glomerulonephritis	96.0 (94.9-96.9)	93.8 (92.5-94.8)
Other cause	95.4 (94.6-96.1)	94.1 (93.3-94.9)
All	95.5 (94.9-96.0)	93.8 (93.1-94.3)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Table A.6.32

**One- and two-year survival probabilities (cohort 2005-2009): First graft (living donor), adjusted**  
*from day of transplant to one and two years, adjusted for age, gender, and primary diagnosis*

	<b>1 year Survival in % (95% CI)</b>	<b>2 year Survival in % (95% CI)</b>
<b>ALL COUNTRIES *</b>		
0-19	94.4 (91.9-96.9)	92.6 (89.8-95.4)
20-44	95.5 (94.7-96.4)	94.1 (93.1-95.0)
45-64	95.4 (94.5-96.3)	93.5 (92.5-94.6)
65+	92.8 (90.1-95.6)	90.5 (87.4-93.7)
Men	95.3 (94.6-96.1)	93.9 (93.1-94.7)
Women	95.0 (94.0-96.0)	92.8 (91.6-93.9)
Diabetes	94.1 (92.0-96.3)	91.5 (89.0-94.1)
Hypertension / renal vascular disease	92.3 (89.9-94.9)	90.3 (87.6-93.1)
Glomerulonephritis	95.9 (94.9-96.9)	93.6 (92.3-94.9)
Other cause	95.4 (94.6-96.2)	94.1 (93.2-94.9)
All	95.2 (94.6-95.8)	93.5 (92.8-94.1)

\* Based on data from Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Denmark, Finland, Greece, Iceland, Italy (Calabria), Norway, 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 (England, Northern Ireland, and Wales) and United Kingdom (Scotland)

Figure A.6.1  
**Adjusted survival (cohort 2002-2006):  
 Incident dialysis patients and patients receiving  
 a first transplant (between 2002 and 2006)**  
*from day 91, by modality,  
 adjusted for age, gender, and primary diagnosis*

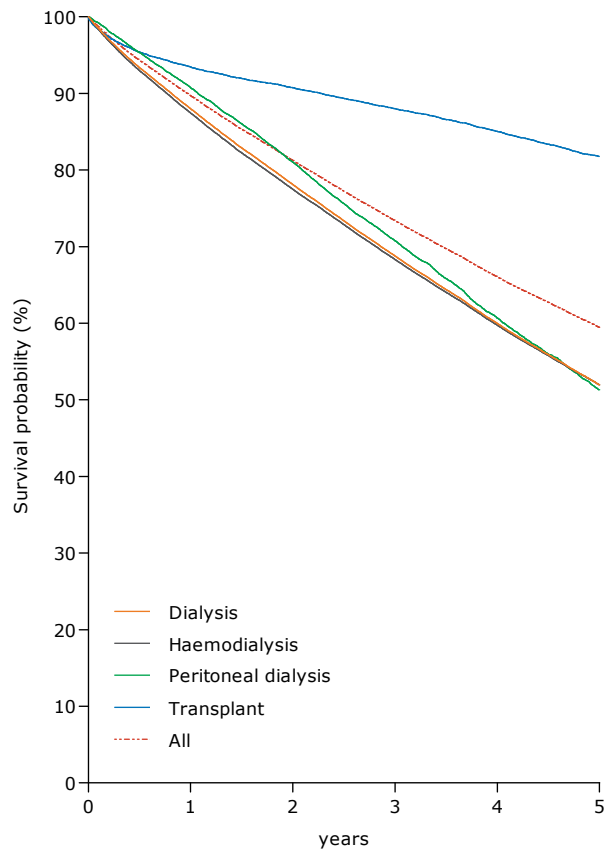


Figure A.6.2  
**Adjusted survival (cohort 2002-2006):  
 Incident haemodialysis patients**  
*from day 91, by primary diagnosis,  
 adjusted for age and gender*

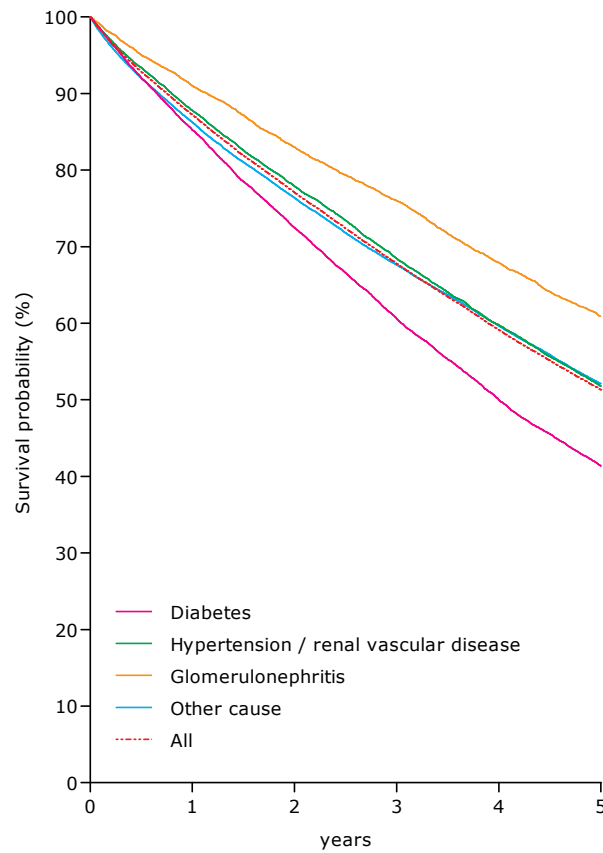


Figure A.6.3  
**Adjusted survival (cohort 2002-2006):  
 Incident peritoneal dialysis patients**  
*from day 91, by primary diagnosis,  
 adjusted for age and gender*

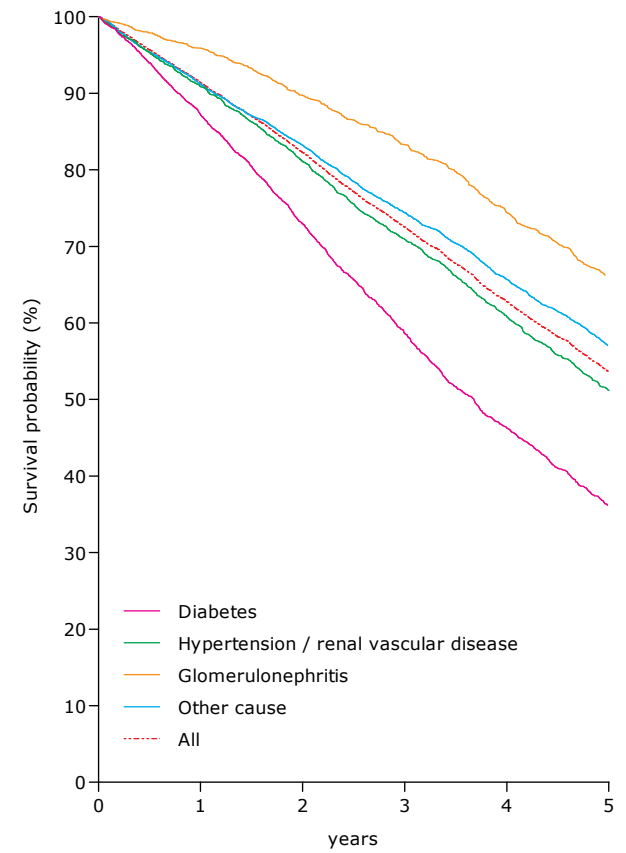




Table A.7.1

**Expected remaining lifetimes (years) of the general population in 2005, and of prevalent dialysis and transplant patients in 2010 and 2011 (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	79.4	76.7	81.9	0-19	37.0	37.8	36.0	0-19	61.1	60.9	61.4
5	74.8	72.1	77.3								
10	69.8	67.2	72.3								
15	64.8	62.2	67.4								
20	60.0	57.4	62.4	20-24	20.5	21.2	19.4	20-24	43.0	42.4	44.1
25	55.1	52.6	57.5	25-29	17.6	18.0	17.0	25-29	38.8	38.4	39.6
30	50.3	47.8	52.6	30-34	14.9	14.9	15.0	30-34	34.3	33.7	35.4
35	45.4	43.0	47.7	35-39	12.9	12.7	13.2	35-39	30.2	29.6	31.4
40	40.6	38.2	42.9	40-44	11.1	10.9	11.3	40-44	26.4	25.7	27.6
45	35.9	33.6	38.1	45-49	9.5	9.4	9.7	45-49	22.7	22.0	23.9
50	31.3	29.1	33.4	50-54	8.0	8.0	8.1	50-54	19.0	18.5	20.0
55	26.9	24.7	28.8	55-59	6.8	6.7	7.0	55-59	15.5	15.1	16.3
60	22.6	20.6	24.4	60-64	5.7	5.6	6.0	60-64	12.3	12.0	12.8
65	18.6	16.7	20.1	65-69	5.0	4.9	5.1	65-69	9.2	9.0	9.6
70	14.8	13.1	16.1	70-74	4.3	4.2	4.4	70-74	6.2	6.1	6.3
75	11.3	10.0	12.3	75-79	3.5	3.5	3.6	75-79	2.7	2.6	2.8
80	8.4	7.4	9.1	80-84	2.5	2.5	2.5				
85	6.2	5.5	6.5								

*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**

	<b>General population of whole country/region in thousands</b>	<b>% Coverage of general population by the registry</b>
Albania	2796	100
Croatia	4285	100
Czech Republic	10505	99.0
Estonia	1340	100
France	64882	99.0
FYR of Macedonia	2022	100
Israel	7766	100
Latvia	2042	85.5
Montenegro	620	100
Poland	38538	100
Portugal	10562	100
Russia	143056	100
Slovakia	5404	100
Slovenia	2052	100
Spain	47190	99.8
Turkey	74724	83.2
Ukraine	45534	94.3

Table B.1.2

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

	<b>Total number of renal centres of whole country/region</b>	<b>Number of renal centres collaborating with the registry</b>
Albania	8	8
Croatia	54	54
Czech Republic	102	98
Estonia	3	3
France	1120	1085
FYR of Macedonia	19	19
Israel	66	66
Latvia	21	19
Montenegro	10	10
Poland	267	267
Portugal	114	114
Russia	341	330
Slovakia	69	69
Slovenia	24	24
Spain	340	339
Turkey	834	688
Ukraine	87	81

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	214	76.5	133	94.9	81	58.1
Croatia	607	141.7	374	181.0	233	105.0
Czech Republic †	1860	178.8				
Estonia	87	64.9	52	84.1	35	48.5
France	9584	149.2	5995	191.9	3589	108.8
FYR of Macedonia	271	134.0	170	167.5	101	100.3
Israel	1457	187.6	926	241.1	531	135.3
Latvia	173	99.1	89	111.6	84	88.6
Montenegro	16	25.8	11	35.9	5	15.9
Poland	5130	133.1				
Portugal	2391	226.4				
Russia	6138	42.9	3425	51.8	2713	35.3
Slovakia †	804	148.8	439	166.8	365	131.7
Slovenia	236	115.0	153	150.7	83	80.0
Spain	5686	120.7	3704	159.4	1982	83.1
Turkey †	14797	238.0	8257	264.4	6540	211.4
Ukraine #	1041	24.2	577	29.2	464	20.0

*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*

*# Data do not include Kiev city*

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	47.9	15.8	51.0	62.1	47.9	15.8	50.0	37.9	48.0	16.1	51.0
Croatia	100	64.1	14.3	66.0	61.6	63.9	13.5	65.0	38.4	64.5	15.4	67.0
Czech Republic												
Estonia	100	59.1	17.5	62.0	59.8	59.8	16.4	62.0	40.2	58.0	19.3	62.0
France	100	67.0	16.5	70.4	62.6	66.7	16.5	69.9	37.4	67.4	16.5	71.3
FYR of Macedonia	100	60.0	14.2	61.0	62.7	61.3	13.0	62.0	37.3	57.9	15.9	60.0
Israel	100	64.9	15.9	66.6	63.6	64.4	16.1	66.1	36.4	65.9	15.5	68.6
Latvia	100	62.0	16.1	66.0	51.4	61.3	16.7	65.0	48.6	62.6	15.9	67.0
Montenegro	100	55.4	18.3	59.5	68.8	55.6	17.2	57.0	31.3	55.0	22.8	62.0
Poland												
Portugal												
Russia	100	50.8	14.8	52.0	55.8	49.7	14.7	51.0	44.2	52.1	14.7	54.0
Slovakia †	100	63.3	13.3	64.0	54.6	61.8	12.8	62.0	45.4	65.2	13.7	67.0
Slovenia	100	66.5	14.2	68.0	64.8	63.8	14.3	64.0	35.2	71.3	12.8	74.0
Spain	100	62.1	0.9	66.9	65.1	61.9	1.1	66.5	34.9	62.4	1.5	67.8
Turkey †	100	56.5		59.4	55.8	56.2		59.0	44.2	56.9		60.0
Ukraine #	100				55.4				44.6			

*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 do not include Kiev city*

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

	<b>All</b>	<b>Men</b>	<b>Women</b>
	<b>Pmp</b>	<b>Pmp</b>	<b>Pmp</b>
Albania	82.4	102.8	62.6
Croatia	130.4	169.6	96.0
Czech Republic			
Estonia	64.6	91.5	46.4
France	144.6	181.0	107.1
FYR of Macedonia	173.5	219.6	127.4
Israel	273.9	342.9	201.7
Latvia			
Montenegro	27.1	38.0	16.9
Poland			
Portugal			
Russia			
Slovakia †	165.2	190.6	144.2
Slovenia	107.4	142.9	73.6
Spain	118.3	154.0	81.7
Turkey †	384.9	424.8	343.1
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	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type I		Type II		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	76.5	100	21.8	28.5	19.0	24.8	2.9	3.7	1.4	1.9	8.2	10.7	9.7	12.6	1.8	2.3	1.8	2.3	7.2	9.3	12.5	16.4	0	0
Croatia	141.7	100	14.7	10.4	13.5	9.6	5.8	4.1					38.5	27.2	24.7	17.5	3.3	2.3	18.2	12.9	4.4	3.1	18.4	13.0
Czech Republic																								
Estonia	64.9	100	10.4	16.1	9.0	13.8	3.7	5.7	9.7	14.9	3.0	4.6	12.7	19.5	15.7	24.1	0	0	13.4	20.7	0	0	0	0
France	149.2	100	16.4	11.0	6.8	4.6	9.3	6.2					32.6	21.8	36.3	24.4	1.6	1.1	23.3	15.6	22.9	15.3	0	0
FYR of Macedonia	134.0	100	12.4	9.2	12.4	9.2	6.4	4.8	2.5	1.8	29.2	21.8	31.7	23.6	39.6	29.5	0.5	0.4	9.4	7.0	21.8	16.2	0	0
Israel	187.6	100	10.9	5.8	3.3	1.8	7.2	3.8	58.1	31.0	32.3	17.2	90.4	48.2	17.5	9.3	6.6	3.5	19.6	10.4	24.1	12.8	8.0	4.3
Latvia	99.1	100	14.9	15.0	14.9	15.0	9.2	9.2	1.7	1.7	11.5	11.6	13.2	13.3	18.3	18.5	1.1	1.2	11.5	11.6	16.0	16.2	0	0
Montenegro	25.8	100	6.5	25.0	0	0	0	0	12.9	50.0	0	0	12.9	50.0	4.8	18.8	0	0	1.6	6.3	0	0	0	0
Poland	133.1	100	23.5	17.6	4.0	3.0	5.1	3.8					31.5	23.7	21.1	15.8	0.5	0.4	8.3	6.3	24.5	18.4	14.6	11.0
Portugal & +	226.4	100	20.9	9.2			10.0	4.4					70.8	31.3	33.7	14.9			43.4	19.2	44.6	19.7	1.0	0.5
Russia	42.9	100	13.9	32.4	4.7	11.0	4.0	9.3	3.0	6.9	4.4	10.3	7.4	17.2	3.5	8.1	0.1	0.2	6.1	14.3	3.2	7.4	0	0
Slovakia †	148.8	100	15.2	10.2	15.0	10.1	4.3	2.9					54.8	36.8	10.2	6.8	7.4	5.0	39.2	26.4	2.8	1.9	0	0
Slovenia	115.0	100	15.6	13.6	7.3	6.4	7.8	6.8	0.5	0.4	30.7	26.7	31.2	27.1	16.6	14.4	4.4	3.8	12.2	10.6	20.0	17.4	0	0
Spain ‡	120.7	100	13.5	11.2	10.3	8.5	7.9	6.5					29.3	24.3	17.3	14.3			14.8	12.2	27.7	22.9	0	0
Turkey †	238.0	100	16.1	6.8	6.0	2.5	8.0	3.4	17.4	7.3	72.7	30.6	90.1	37.9	71.4	30.0	2.7	1.1	26.1	11.0	15.8	6.7	1.7	0.7
Ukraine + #	24.2	100	8.6	35.5	3.3	13.5	2.2	8.9					3.9	16.2	1.4	5.7			2.9	12.0			2.0	8.1

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

When cells are left empty, the data are unavailable

† Data include dialysis patients only

& 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

# Data do not include Kiev city

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	198	70.8	125	89.2	73	52.3
Croatia	566	132.1	347	168.0	219	98.7
Czech Republic †	1429	137.4				
Estonia	81	60.4	49	79.3	32	44.3
France	8233	128.2	5162	165.3	3071	93.1
FYR of Macedonia	245	121.2	154	151.7	91	90.4
Israel	1366	175.9	874	227.5	492	125.4
Latvia	151	86.5	80	100.3	71	74.9
Montenegro	8	12.9	6	19.6	2	6.4
Poland						
Portugal	2216	209.8				
Russia						
Slovakia †	688	127.3	381	144.8	307	110.8
Slovenia	216	105.3	139	136.9	77	74.3
Spain						
Turkey †	12989	208.9	7218	231.1	5771	186.5
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	47.6	15.7	51.0	63.1	47.6	15.7	50.0	36.9	47.7	15.7	51.0
Croatia	100	63.8	14.1	65.0	61.3	63.7	13.0	64.0	38.7	64.0	15.6	67.0
Czech Republic												
Estonia	100	58.9	17.6	61.0	60.5	60.3	16.1	61.0	39.5	56.8	19.8	61.0
France	100	67.1	16.0	70.2	62.7	66.7	16.1	69.6	37.3	67.7	15.8	71.3
FYR of Macedonia	100	59.3	14.2	61.0	62.9	60.3	13.0	61.0	37.1	57.7	15.9	59.0
Israel	100	64.4	15.9	66.1	64.0	63.9	16.1	65.5	36.0	65.2	15.5	67.2
Latvia	100	61.1	16.5	66.0	53.0	60.5	16.7	64.0	47.0	61.7	16.6	67.0
Montenegro	100	67.6	9.8	69.5	75.0	67.8	9.7	69.5	25.0	67.0	14.1	67.0
Poland												
Portugal												
Russia												
Slovakia †	100	62.1	13.4	63.0	55.4	60.5	12.7	61.0	44.6	64.1	13.9	66.0
Slovenia	100	65.9	14.3	68.0	64.4	63.5	13.7	63.0	35.6	70.2	14.5	73.0
Spain												
Turkey †	100	56.1		58.8	55.6	56.0		58.6	44.4	56.2		59.1
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	75.8	96.6	55.5
Croatia	121.6	157.1	90.5
Czech Republic			
Estonia	60.0	86.2	42.7
France	124.6	156.5	91.9
FYR of Macedonia	154.5	195.3	114.7
Israel	256.2	323.6	186.0
Latvia			
Montenegro	14.5	22.6	7.0
Poland			
Portugal			
Russia			
Slovakia †	139.3	162.2	120.2
Slovenia	99.3	130.6	69.2
Spain			
Turkey †	333.5	368.6	296.9
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	70.8	100	20.7	29.3	17.5	24.7	2.9	4.0	1.1	1.5	7.9	11.1	8.9	12.6	1.4	2.0	1.8	2.5	5.7	8.1	11.8	16.7	0	0
Croatia	132.1	100	14.5	11.0	12.4	9.4	5.6	4.2					36.9	27.9	23.6	17.8	3.3	2.5	16.1	12.2	3.5	2.7	16.3	12.4
Czech Republic																								
Estonia	60.4	100	9.7	16.0	8.2	13.6	3.7	6.2	8.2	13.6	3.0	4.9	11.2	18.5	14.9	24.7	0	0	12.7	21.0	0	0	0	0
France	128.2	100	14.1	11.0	5.8	4.5	7.8	6.1					34.2	26.6	32.6	25.4	1.3	1.0	18.7	14.6	13.8	10.7	0	0
FYR of Macedonia	121.2	100	11.9	9.8	10.9	9.0	6.4	5.3	2.5	2.0	25.7	21.2	28.2	23.3	36.1	29.8	0.5	0.4	8.9	7.3	18.3	15.1	0	0
Israel	175.9	100	10.8	6.1	3.1	1.8	7.1	4.0	55.0	31.3	31.2	17.7	86.1	49.0	16.4	9.3	5.8	3.3	18.0	10.2	22.3	12.7	6.3	3.6
Latvia	86.5	100	14.3	16.6	12.6	14.6	8.0	9.3	1.7	2.0	9.7	11.3	11.5	13.2	17.2	19.9	1.1	1.3	10.3	11.9	11.5	13.2	0	0
Montenegro	12.9	100	6.5	50.0	0	0	0	0	3.2	25.0	0	0	3.2	25.0	1.6	12.5	0	0	1.6	12.5	0	0	0	0
Poland																								
Portugal																								
Russia																								
Slovakia †	127.3	100	14.4	11.3	11.1	8.7	4.1	3.2					47.4	37.2	9.4	7.4	5.4	4.2	34.0	26.7	1.5	1.2	0	0
Slovenia	105.3	100	14.6	13.9	6.8	6.5	7.8	7.4	0.5	0.5	29.2	27.8	29.7	28.2	16.1	15.3	1.0	0.9	12.7	12.0	16.6	15.7	0	0
Spain																								
Turkey †	208.9	100	13.4	6.4	5.3	2.5	7.3	3.5	16.2	7.8	58.8	28.2	75.0	35.9	57.4	27.5	2.4	1.1	19.6	9.4	27.7	13.2	0.9	0.4
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

**B3 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2011, AT DAY 91**

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	198	186	0	0	0	0	186	0	7	0	7	5	0	0	5	0
Croatia	566	497	0	0	0	7	504	14	34	7	55	3	4	0	7	0
Czech Republic †	1429			1340			1340			89	89					0
Estonia	81	31	0	0	2	15	48	11	12	0	23	3	7	0	10	0
France	8233	6290	0	0	12	761	7063	211	555	0	766	52	320	31	403	1
FYR of Macedonia	245	244	0	0	0	0	244	0	1	0	1	0	0	0	0	0
Israel	1366	1225	0	0	0	0	1225	55	38	0	93	41	4	3	48	0
Latvia	151	137	0	0			137			14	14	0	0	0	0	0
Montenegro	8	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0
Poland																
Portugal #	2216			1970			1970			225	225	21	0	0	21	0
Russia																
Slovakia †	688	356	0	0	0	309	665	8	15	0	23					0
Slovenia	216	128	0	0	1	76	205	0	10	0	10	0	1	0	1	0
Spain																
Turkey †	12989	11795	7	0	0	275	12077	254	658	0	912					0
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

**B3 INCIDENT PATIENTS ACCEPTED FOR RRT IN 2011, AT DAY 91**

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
Albania	70.8	66.5	0	0	0	0	66.5	0	2.5	0	2.5	1.8	0	0	1.8	0
Croatia	132.1	116.0	0	0	0	1.6	117.6	3.3	7.9	1.6	12.8	0.7	0.9	0	1.6	0
Czech Republic †	137.4			128.8			128.8			8.6	8.6					0
Estonia	60.4	23.1	0	0	1.5	11.2	35.8	8.2	9.0	0	17.2	2.2	5.2	0	7.5	0
France	128.2	97.9	0	0	0.2	11.8	110.0	3.3	8.6	0	11.9	0.8	5.0	0.5	6.3	0
FYR of Macedonia	121.2	120.7	0	0	0	0	120.7	0	0.5	0	0.5	0	0	0	0	0
Israel	175.9	157.7	0	0	0	0	157.7	7.1	4.9	0	12.0	5.3	0.5	0.4	6.2	0
Latvia	86.5	78.5	0	0			78.5			8.0	8.0	0	0	0	0	0
Montenegro	12.9	12.9	0	0	0	0	12.9	0	0	0	0	0	0	0	0	0
Poland																
Portugal #	209.8			186.5			186.5			21.3	21.3	2.0	0	0	2.0	0
Russia																
Slovakia †	127.3	65.9	0	0	0	57.2	123.1	1.5	2.8	0	4.3					0
Slovenia	105.3	62.4	0	0	0.5	37.0	99.9	0	4.9	0	4.9	0	0.5	0	0.5	0
Spain																
Turkey †	208.9	189.7	0.1	0	0	4.4	194.3	4.1	10.6	0	14.7					0
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	93.9	0	0	0	0	93.9	0	3.5	0	3.5	2.5	0	0	2.5	0
Croatia	100	87.8	0	0	0	1.2	89.0	2.5	6.0	1.2	9.7	0.5	0.7	0	1.2	0
Czech Republic †	100			93.8			93.8			6.2	6.2					0
Estonia	100	38.3	0	0	2.5	18.5	59.3	13.6	14.8	0	28.4	3.7	8.6	0	12.3	0
France	100	76.4	0	0	0.1	9.2	85.8	2.6	6.7	0	9.3	0.6	3.9	0.4	4.9	0
FYR of Macedonia	100	99.6	0	0	0	0	99.6	0	0.4	0	0.4	0	0	0	0	0
Israel	100	89.7	0	0	0	0	89.7	4.0	2.8	0	6.8	3.0	0.3	0.2	3.5	0
Latvia	100	90.7	0	0			90.7			9.3	9.3	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			88.9			88.9			10.2	10.2	0.9	0	0	0.9	0
Russia																
Slovakia †	100	51.7	0	0	0	44.9	96.7	1.2	2.2	0	3.3					0
Slovenia	100	59.3	0	0	0.5	35.2	94.9	0	4.6	0	4.6	0	0.5	0	0.5	0
Spain																
Turkey †	100	90.8	0.1	0	0	2.1	93.0	2.0	5.1	0	7.0					0
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	794	284.0	515	367.6	279	200.0
Croatia	4343	1013.5	2510	1214.9	1833	826.0
Czech Republic †	6136	590.0				
Estonia	714	532.8	412	666.7	302	418.3
France	70322	1094.8	42501	1360.6	27821	843.2
FYR of Macedonia	1533	758.2	916	902.5	617	612.7
Israel †	5675	730.8	3439	895.3	2236	569.7
Latvia	904	517.8	472	591.7	432	455.6
Montenegro	170	274.2	103	336.6	67	213.4
Poland	27236	706.7				
Portugal ¶	17553	1661.9	10174	1844.8	6840	1355.3
Russia	27989	195.7	15052	227.5	12937	168.3
Slovakia †	3107	574.9	1777	675.2	1330	479.8
Slovenia	2011	980.0	1194	1176.4	817	787.8
Spain	50767	1077.9	31416	1352.0	19351	811.0
Turkey	53977	868.2	29760	953.0	24217	782.6
Ukraine #	5618	130.8	3104	157.0	2514	108.5

*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*

*¶ Gender not reported for 539 (3.1%) patients*

*# Data do not include Kiev city*

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	45.8	14.3	47.0	64.9	46.5	14.5	48.0	35.1	44.4	14.0	46.0
Croatia	100	59.8	15.1	61.0	57.8	59.1	14.8	60.0	42.2	60.7	15.5	62.0
Czech Republic												
Estonia	100	54.8	15.1	56.0	57.7	54.6	14.8	56.0	42.3	55.0	15.4	56.0
France	100	61.4	16.7	62.7	60.4	61.1	16.6	62.4	39.6	61.7	16.9	63.0
FYR of Macedonia	100	56.6	14.3	57.0	59.8	56.3	14.5	57.0	40.2	57.0	14.0	58.0
Israel †	100	61.2	17.0	64.1	60.6	61.1	16.9	63.4	39.4	61.5	17.0	65.0
Latvia	100	54.1	16.3	56.0	52.2	53.0	16.7	53.0	47.8	55.4	15.7	57.0
Montenegro	100	51.7	13.3	52.0	60.6	50.9	14.7	52.0	39.4	52.8	12.7	52.0
Poland												
Portugal	100	65.4			59.8				40.2			
Russia	100	50.7	13.9	52.0	53.8	49.8	14.0	51.0	46.2	51.7	13.7	54.0
Slovakia †	100	62.0	13.6	63.0	57.2	60.9	13.4	62.0	42.8	63.6	13.7	65.0
Slovenia	100	59.4	15.6	60.0	59.4	59.0	14.9	59.0	40.6	60.1	16.4	60.0
Spain	100	59.0	0.3	63.5	61.9	58.8	0.4	63.2	38.1	59.4	0.5	63.9
Turkey	100	54.0		56.7	55.1	53.5		56.2	44.9	54.5		57.3
Ukraine #	100				55.3				44.7			

*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*

*# Data do not include Kiev city*

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	306.5	405.9	209.1
Croatia	940.0	1148.2	754.6
Czech Republic			
Estonia	533.3	705.0	406.7
France	1085.5	1325.8	846.1
FYR of Macedonia	949.4	1127.2	763.5
Israel †	1043.7	1260.3	821.2
Latvia			
Montenegro	283.2	234.0	330.7
Poland			
Portugal			
Russia			
Slovakia †	628.9	767.1	514.6
Slovenia	926.2	1120.2	743.0
Spain	1040.5	1292.2	785.7
Turkey	1335.3	1459.2	1206.7
Ukraine			

*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	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Type I		Type II		Both		Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
									Pmp	%	Pmp	%	Pmp	%										
Albania	284.0	100	57.9	20.4	74.0	26.1	13.9	4.9	3.6	1.3	16.8	5.9	20.4	7.2	6.4	2.3	11.1	3.9	24.0	8.4	76.2	26.8	0	0
Croatia	1013.5	100	242.5	23.9	131.2	12.9	77.2	7.6					178.8	17.6	134.9	13.3	8.2	0.8	118.3	11.7	33.6	3.3	88.9	8.8
Czech Republic																								
Estonia	532.8	100	145.5	27.3	92.5	17.4	44.0	8.3	79.9	15.0	25.4	4.8	105.2	19.7	87.3	16.4	0	0	58.2	10.9	0	0	0	0
France	1094.8	100	573.5	52.4	31.0	2.8	40.2	3.7					147.6	13.5	135.7	12.4	6.2	0.6	94.9	8.7	65.6	6.0	0.1	0
FYR of Macedonia	758.2	100	148.4	19.6	97.4	12.9	62.3	8.2	9.4	1.2	90.5	11.9	99.9	13.2	148.9	19.6	10.4	1.4	56.9	7.5	133.0	17.5	1.0	0.1
Israel †	730.8	100	67.7	9.3	27.6	3.8	27.8	3.8	198.8	27.2	121.7	16.7	320.5	43.9	71.6	9.8	19.3	2.6	80.4	11.0	110.6	15.1	5.3	0.7
Latvia	517.8	100	185.6	35.8	72.7	14.0	57.3	11.1					54.4	10.5	45.8	8.8	0	0	71.0	13.7	30.9	6.0	0	0
Montenegro	274.2	100	95.2	34.7	16.1	5.9	14.5	5.3	24.2	8.8	17.7	6.5	41.9	15.3	58.1	21.2	14.5	5.3	29.0	10.6	4.8	1.8	0	0
Poland □	706.7	100	76.0	10.8	51.5	7.3	36.9	5.2					103.6	14.7	60.7	8.6	0.7	0.1	58.0	8.2	39.9	5.6	279.4	39.5
Portugal & +	1661.9	100	121.7	7.3			68.6	4.1					282.5	17.0	162.3	9.8			197.2	11.9	207.5	12.5	609.7	36.7
Russia	195.7	100	86.1	44.0	20.7	10.6	19.7	10.1	11.7	6.0	9.5	4.9	21.2	10.8	10.1	5.2	1.2	0.6	24.6	12.6	12.0	6.1	0	0
Slovakia †	574.9	100	80.9	14.1	71.8	12.5	23.7	4.1					182.5	31.7	37.9	6.6	20.9	3.6	149.0	25.9	8.3	1.4	0	0
Slovenia	980.0	100	218.8	22.3	100.9	10.3	89.7	9.1	40.9	4.2	99.9	10.2	140.8	14.4	86.7	8.9	11.2	1.1	198.3	20.2	133.5	13.6	0	0
Spain ¶	1077.9	100	200.4	18.6	122.1	11.3	100.3	9.3					156.9	14.6	114.1	10.6			126.7	11.8	220.9	20.5	36.6	3.4
Turkey	868.2	100	72.6	8.4	34.4	4.0	40.0	4.6	43.4	5.0	203.7	23.5	247.1	28.5	227.8	26.2	8.9	1.0	88.4	10.2	137.7	15.9	11.3	1.3
Ukraine + #	130.8	100	65.9	50.4	17.8	13.6	13.1	10.0					16.9	12.9	4.2	3.2			12.0	9.1	0	0	0.9	0.7

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

# Data do not include Kiev city

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
Albania	794	544	0	0	0	0	544	0	43	0	43	169	38	0	207	0
Croatia	4343	2593	1	0	6	37	2637	58	144	15	217	180	1172	137	1489	0
Czech Republic †	6136	3129	0	0		2497	5626			510	510					
Estonia	714	240	0	0			240	22	47	0	69	40	365	0	405	0
France	70322	29875	228	0	67	6411	36581	1109	1490	0	2599	2319	28700	120	31139	3
FYR of Macedonia	1533	1363	1	0	0	0	1364	1	25	0	26	136	7	0	143	0
Israel †	5675	5340	0	0	0	0	5340	182	151	2	335					0
Latvia	904	341	0	0			341			81	81	20	462	0	482	0
Montenegro	170	81	0	0	0	4	85	0	6	0	6	46	15	18	79	0
Poland	27236	16895	0	0			16895	425	643	0	1068			9273	9273	0
Portugal	17553	5355	0	0	0	5054	10409	350	354	0	704			6440	6440	0
Russia	27989	20214	0	0	0	0	20214	67	1776	0	1843	858	5074	0	5932	0
Slovakia †	3107	1235	0	0	0	1779	3014	43	49	1	93					0
Slovenia	2011	532	0	0	16	799	1347	12	48	0	60	15	589	0	604	0
Spain	50767			22623			22623			2674	2674			25315	25315	155
Turkey &	53977	42475	31	0	0	1604	44110	1256	2677	0	3933	4274	1606	54	5934	0
Ukraine #	5618	4195	0	0	0	0	4195			686	686			737	737	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

& The number of patients living on a functioning graft is underestimated

# Data do not include Kiev city

Table B.4.6  
**Prevalence per million population, unadjusted**  
*prevalent patients on December 31, by established therapy*

	Total	Haemodialysis						Peritoneal dialysis				Transplant			Missing		
		Pmp	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	
Albania	284.0	194.6	0	0	0	0	194.6	0	15.4	0	15.4	60.4	13.6	0	74.0	0	
Croatia	1013.5	605.1	0.2	0	1.4	8.6	615.4	13.5	33.6	3.5	50.6	42.0	273.5	32.0	347.5	0	
Czech Republic †	590.0	300.9	0	0			240.1			49.0	49.0						
Estonia	532.8	179.1	0	0			179.1	16.4	35.1	0	51.5	29.9	272.4	0	302.2	0	
France	1094.8	465.1	3.5	0	1.0	99.8	569.5	17.3	23.2	0	40.5	36.1	446.8	1.9	484.8	0	
FYR of Macedonia	758.2	674.1	0.5	0	0	0	674.6	0.5	12.4	0	12.9	67.3	3.5	0	70.7	0	
Israel †	730.8	687.6	0	0	0	0	687.6	23.4	19.4	0.3	43.1					0	
Latvia	517.8	195.3	0	0			195.3			46.4	46.4	11.5	264.6	0	276.1	0	
Montenegro	274.2	130.6	0	0	0	6.5	137.1	0	9.7	0	9.7	74.2	24.2	29.0	127.4	0	
Poland	706.7	438.4	0	0			438.4	11.0	16.7	0	27.7			240.6	240.6	0	
Portugal	1661.9	507.0	0	0	0	478.5	985.5	33.1	33.5	0	66.7			609.7	609.7	0	
Russia	195.7	141.3	0	0	0	0	141.3	0.5	12.4	0	12.9	6.0	35.5	0	41.5	0	
Slovakia †	574.9	228.5	0	0	0	329.2	557.7	8.0	9.1	0.2	17.2					0	
Slovenia	980.0	259.3	0	0	7.8	389.4	656.4	5.8	23.4	0	29.2	7.3	287.0	0	294.3	0	
Spain	1077.9			480.4			480.4			56.8	56.8			537.5	537.5	3.3	
Turkey &	868.2	683.2	0.5	0	0	25.8	709.5	20.2	43.1	0	63.3	68.7	25.8	0.9	95.4	0	
Ukraine #	130.8	97.7	0	0	0	0	97.7			16.0	16.0			17.2	17.2	0	

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant  
 When cells are left empty, the data are unavailable  
 † Data include dialysis patients only  
 & The number of patients living on a functioning graft is underestimated  
 # Data do not include Kiev city

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	68.5	0	0	0	0	68.5	0	5.4	0	5.4	21.3	4.8	0	26.1	0
Croatia	100	59.7	0	0	0.1	0.9	60.7	1.3	3.3	0.3	5.0	4.1	27.0	3.2	34.3	0
Czech Republic †	100	51.0	0	0			40.7			8.3	8.3					
Estonia	100	33.6	0	0			33.6	3.1	6.6	0	9.7	5.6	51.1	0	56.7	0
France	100	42.5	0.3	0	0.1	9.1	52.0	1.6	2.1	0	3.7	3.3	40.8	0.2	44.3	0
FYR of Macedonia	100	88.9	0.1	0	0	0	89.0	0.1	1.6	0	1.7	8.9	0.5	0	9.3	0
Israel †	100	94.1	0	0	0	0	94.1	3.2	2.7	0	5.9					0
Latvia	100	37.7	0	0			37.7			9.0	9.0	2.2	51.1	0	53.3	0
Montenegro	100	47.6	0	0	0	2.4	50.0	0	3.5	0	3.5	27.1	8.8	10.6	46.5	0
Poland	100	62.0	0	0			62.0	1.6	2.4	0	3.9			34.0	34.0	0
Portugal	100	30.5	0	0	0	28.8	59.3	2.0	2.0	0	4.0			36.7	36.7	0
Russia	100	72.2	0	0	0	0	72.2	0.2	6.3	0	6.6	3.1	18.1	0	21.2	0
Slovakia †	100	39.7	0	0	0	57.3	97.0	1.4	1.6	0	3.0					0
Slovenia	100	26.5	0	0	0.8	39.7	67.0	0.6	2.4	0	3.0	0.7	29.3	0	30.0	0
Spain	100			44.6			44.6			5.3	5.3			49.9	49.9	0.3
Turkey &	100	78.7	0.1	0	0	3.0	81.7	2.3	5.0	0	7.3	7.9	3.0	0.1	11.0	0
Ukraine #	100	74.7	0	0	0	0	74.7			12.2	12.2			13.1	13.1	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, the data are unavailable  
 † Data include dialysis patients only  
 & The number of patients living on a functioning graft is underestimated  
 # Data do not include Kiev city

Table B.5.1  
**Renal transplants performed in 2011, 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	11	100	11	100	0	0	0	0	11	100	0	0	0	0
Croatia	230	100	25	10.9	7	3.0	0	0	32	13.9	187	81.3	11	4.8
Czech Republic	332	100					40	12.0	40	12.0	292	88.0	0	0
Estonia	44	100	3	6.8	0	0	0	0	3	6.8	41	93.2	0	0
France	2976	100	302	10.1	0	0	0	0	302	10.1	2674	89.9	0	0
FYR of Macedonia	6	100	6	100	0	0	0	0	6	100	0	0	0	0
Israel	407	100	0	0	0	0	128	31.4	128	31.4	208	51.1	71	17.4
Latvia	63	100	3	4.8	0	0	0	0	3	4.8	60	95.2	0	0
Montenegro	2	100	0	0	0	0	0	0	0	0	2	100	0	0
Poland	1042	100					40	3.8	40	3.8	1002	96.2	0	0
Portugal	530	100					47	8.9	47	8.9	483	91.1	0	0
Russia	975	100	179	18.4	0	0	0	0	179	18.4	796	81.6	0	0
Slovakia +	129	100	10	7.8	3	2.3	0	0	13	10.1	116	89.9	0	0
Slovenia	46	100	0	0	0	0	0	0	0	0	46	100	0	0
Spain □	2498	100	310	12.4	2	0.1	0	0	312	12.5	2186	87.5	0	0
Turkey &	2955	100	1767	59.8	631	21.4	37	1.3	2435	82.4	520	17.6	0	0
Ukraine #	62	100	29	46.8	7	11.3	0	0	36	58.1	26	41.9	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), 2011 from total Spanish population*

*& Data from: Turkish Ministry of Health*

*# Data do not include Kiev city*



Table B.5.2  
**Renal transplants performed in 2011, per million population**  
*by donor type*

	Total	Living			Deceased	Donor type Unkn
		Related	Unrelated	Type Unkn	All	
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Albania	3.9	3.9	0	0	3.9	0
Croatia	53.7	5.8	1.6	0	7.5	43.6
Czech Republic	31.9			3.8	3.8	28.1
Estonia	32.8	2.2	0	0	2.2	30.6
France	46.3	4.7	0	0	4.7	41.6
FYR of Macedonia	3.0	3.0	0	0	3.0	0
Israel	52.4	0	0	16.5	16.5	26.8
Latvia	36.1	1.7	0	0	1.7	34.4
Montenegro	3.2	0	0	0	0	3.2
Poland	27.0			1.0	1.0	26.0
Portugal	50.2			4.4	4.4	45.7
Russia	6.8	1.3	0	0	1.3	5.6
Slovakia +	23.9	1.9	0.6	0	2.4	21.5
Slovenia	22.4	0	0	0	0	22.4
Spain □	52.9	6.6	0	0	6.6	46.3
Turkey &	47.5	28.4	10.1	0.6	39.2	8.4
Ukraine #	1.4	0.7	0.2	0	0.8	0.6

*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 from: Slovak Centre of Organ Transplantation*

*□ Data from: Organización Nacional de Trasplantes (ONT), 2011 from total Spanish population*

*& Data from: Turkish Ministry of Health*

*# Data do not include Kiev city*



## **IV Summary Data**



## IV Summary Data

The summary data on the incidence and prevalence of renal replacement therapy in 2011 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 2011, at day 1				Prevalence on December 31, 2011			
		Total N	Total Pmp	DM N	DM Pmp	Total N	Total Pmp	DM N	DM Pmp
Austria	8424	1157	137	336	40	8436	1002	1778	211
Belgium, Dutch-speaking *	6329	1150	182	239	38	7496	1184	1372	217
Belgium, French-speaking *	4665	876	188	177	38	5929	1271	997	214
Bosnia and Herzegovina	3508	423	121	110	31	2473	705	405	116
Denmark	5627	625	111	167	30	4786	851	801	142
Finland	5388	456	85	160	30	4325	803	1124	209
France (23 of 26 regions)	50290	7518	150	1642	33	54571	1086	7914	157
Greece	11300	2294	203	619	55	12465	1103	2331	206
Iceland	319	33	103	13	41	212	665	26	82
Norway	4953	503	102	72	15	4329	874	539	109
Romania //	21385	2710	127	355	17	13346	624	1343	63
Serbia	7259	1043	144	227	31	5275	727	690	95
Spain, Andalusia	8437	947	112	229	27	8641	1024	1197	142
Spain, Aragon	1348	163	121	31	23	1400	1039	226	168
Spain, Asturias	1081	155	143	28	26	1122	1038	161	149
Spain, Basque country	2189	242	111	40	18	2414	1103	239	109
Spain, Cantabria *	594	65	110	14	24	563	949	73	123
Spain, Castile and León *	2552	305	120	82	32	2625	1029	422	165
Spain, Castile-La Mancha *	2119	201	95	55	26	2088	986	318	150
Spain, Catalonia	7540	955	127	191	25	9067	1203	1208	160
Spain, Extremadura	1109	118	106	33	30	1136	1025	165	149
Spain, Galicia	2788	400	143	103	37	3286	1178	530	190
Spain, Valencian region	5117	677	132	110	22	5885	1150	687	134
Sweden	9449	1157	122	281	30	8787	930	1614	171
The Netherlands	16693	1952	117	311	19	16049	961	1769	106
United Kingdom, England *	52667	5696	108	1207	23	45246	859	6724	128
United Kingdom, Northern Ireland *	1809	201	111	47	26	1539	851	236	131
United Kingdom, Scotland	5253	507	97	121	23	4421	842	615	117
United Kingdom, Wales *	3023	344	114	96	32	2699	893	434	144
All countries	253215	32873	130	7096	28	240611	950	35938	142

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 2011, at day 1				Prevalence on December 31, 2011			
		Total N	Total Pmp	DM N	DM Pmp	Total N	Total Pmp	DM N	DM Pmp
Albania	2796	214	77	27	10	794	284	57	20
Croatia	4285	607	142	165	39	4343	1014	766	179
Czech Republic † *	10400	1860	179			6136	590		
Estonia	1340	87	65	17	13	714	533	141	105
France (25 of 26 regions)	64233	9584	149	2091	33	70322	1095	9484	148
FYR of Macedonia	2022	271	134	64	32	1533	758	202	100
Israel *	7766	1457	188	702	90	5675	731	2489	321
Latvia	1746	173	99	23	13	904	518	95	54
Montenegro	620	16	26	8	13	170	274	26	42
Poland +	38538	5130	133	1215	32	27236	707	3991	104
Portugal	10562	2391	226	748	71	17553	1662	2984	283
Russia	143056	6138	43	1058	7	27989	196	3033	21
Slovakia † *	5404	804	149	296	55	3107	575	986	183
Slovenia	2052	236	115	64	31	2011	980	289	141
Spain	47096	5686	121	1380	29	50767	1078	7388	157
Turkey †	62170	14797	238	5603	90	53977	868	15363	247
Ukraine #	42939	1041	24	169	4	5618	131	726	17
All countries	447025	50492	113	13630	31	278849	624	48020	110

*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*

*# Data do not include Kiev city*

## **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 21 registries from 14 countries that provided individual patient data on children via the ERA-EDTA Registry, including Austria, Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, The Netherlands, and United Kingdom (Scotland). In the analyses the data collected between 2002 and 2011 were used. As not all countries provided data over the complete period and to allow for comparison over the years, data regarding 2007 through 2011 are shown both including and excluding the data from Bosnia and Herzegovina, France, Romania, Serbia, Spain (Aragon), Spain (Extremadura) and Spain (Galicia). 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.

Further details on the epidemiology of paediatric patients on RRT and on projects and initiatives collecting paediatric data are available on the website of the European Society for Paediatric Nephrology (ESPN)/ ERA-EDTA Registry, [www.espn-reg.org](http://www.espn-reg.org).

### 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
2002	19668	4630	4828	5044	5166
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
2007 *	25579	6110	6061	6359	7050
2008 *	34247	8335	8300	8394	9218
2009 *	34628	8564	8423	8456	9184
2010 *	36849	9184	9082	9015	9567
2011 *	39951	9876	9925	9844	10306
2002-2011 *	275116	66785	66795	68711	72825

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

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
2002-2003	385	79	50	92	164
2004-2005	399	72	47	113	167
2006-2007	408	93	49	95	171
2008-2009	413	94	63	107	149
2010-2011	349	97	39	84	129
2006-2007 *	501	98	56	110	237
2008-2009 *	643	122	99	161	261
2010-2011 *	628	151	72	139	266
2002-2011 *	2556	522	324	615	1095

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

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
2002-2003	164	144	75	8	57	14	14	23	13	36	34	22	106	30	26
2004-2005	173	127	99	13	45	14	13	19	15	43	37	33	104	26	37
2006-2007	166	139	99	17	63	13	10	15	24	43	26	24	96	35	38
2008-2009	149	143	119	18	62	14	19	19	25	31	31	44	81	31	36
2010-2011	148	114	87	24	57	16	13	11	15	31	20	33	80	26	23
2006-2007 *	230	157	110	19	66	13	13	17	26	51	31	26	147	43	45
2008-2009 *	278	192	163	28	78	16	33	27	35	65	39	56	152	48	56
2010-2011 *	322	172	133	47	82	22	31	17	23	64	29	46	180	44	42
2002-2011 *	1167	792	580	115	328	79	104	103	112	259	170	183	689	191	206

For 17 patients information on treatment modality at start was unavailable

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

Table P.2.3  
**Incident counts**  
*between 2002 and 2011, 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	779	169	100	227	283
Glomerulonephritis	468	49	55	101	263
Cystic kidney disease	197	38	34	63	62
Hereditary Nephropathy	181	80	18	23	60
Ischaemic Renal Failure	43	17	6	11	9
HUS	83	34	9	15	25
Metabolic disorders	44	12	13	11	8
Vasculitis	67	2	2	17	46
Miscellaneous	309	80	45	59	125
Missing, unknown	385	41	42	88	214

Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

**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
2002-2003	9.8	8.5	5.2	9.1	15.9
2004-2005	10.2	7.6	5.0	11.1	16.4
2006-2007	10.3	9.7	5.2	9.5	16.4
2008-2009	10.3	9.5	6.5	10.8	14.0
2010-2011	8.7	9.7	4.0	8.6	12.3
2006-2007 *	9.9	8.1	4.7	8.7	16.9
2008-2009 *	9.3	7.2	5.9	9.6	14.2
2010-2011 *	8.2	7.9	3.8	7.4	13.4
2002-2011 *	9.3	7.8	4.9	9.0	15.0

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

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
2002-2003	4.2	3.7	1.9	0.9	6.1	1.5	1.5	2.4	1.4	3.6	3.4	2.2	10.3	2.9	2.5
2004-2005	4.4	3.2	2.5	1.4	4.8	1.5	1.4	2.0	1.6	4.2	3.6	3.2	10.2	2.5	3.6
2006-2007	4.2	3.5	2.5	1.8	6.5	1.4	1.1	1.6	2.5	4.3	2.6	2.4	9.2	3.3	3.6
2008-2009	3.7	3.6	3.0	1.8	6.3	1.4	2.0	2.0	2.6	3.1	3.1	4.5	7.6	2.9	3.4
2010-2011	3.7	2.8	2.2	2.4	5.7	1.6	1.3	1.1	1.5	3.2	2.1	3.4	7.6	2.5	2.2
2006-2007 *	4.5	3.1	2.2	1.6	5.5	1.1	1.1	1.4	2.2	4.0	2.4	2.0	10.5	3.1	3.2
2008-2009 *	4.0	2.8	2.4	1.7	4.6	0.9	2.0	1.6	2.1	3.9	2.3	3.3	8.3	2.6	3.0
2010-2011 *	4.2	2.2	1.7	2.5	4.3	1.2	1.6	0.9	1.2	3.4	1.5	2.4	9.1	2.2	2.1
2002-2011 *	4.2	2.9	2.1	1.7	4.9	1.2	1.6	1.5	1.7	3.8	2.5	2.7	9.5	2.6	2.8

For 17 patients information on treatment modality at start was unavailable

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

Table P.2.6

**Incident rates per million age-related population**  
between 2002 and 2011, 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	2.5	1.5	3.3	3.9
Glomerulonephritis	1.7	0.7	0.8	1.5	3.6
Cystic kidney disease	0.7	0.6	0.5	0.9	0.9
Hereditary Nephropathy	0.7	1.2	0.3	0.3	0.8
Ischaemic Renal Failure	0.2	0.3	0.1	0.2	0.1
HUS	0.3	0.5	0.1	0.2	0.3
Metabolic disorders	0.2	0.2	0.2	0.2	0.1
Vasculitis	0.2	0.0	0.0	0.2	0.6
Miscellaneous	1.1	1.2	0.7	0.9	1.7
Missing, unknown	1.4	0.6	0.6	1.3	2.9

Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

**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
2002	1298	101	186	391	620
2003	1323	106	178	389	650
2004	1340	98	183	392	667
2005	1353	105	191	370	687
2006	1367	102	223	345	697
2007	1377	116	220	337	704
2008	1379	108	222	344	705
2009	1394	131	234	357	672
2010	1365	133	224	348	660
2011	1361	143	219	371	628
2007 *	1510	119	231	369	791
2008 *	1964	140	302	499	1023
2009 *	1999	165	318	513	1003
2010 *	2016	181	314	506	1015
2011 *	2115	207	323	566	1019

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

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
2002	143	143	999	5	46	49	9	20	156	36	32	321	93	45	473
2003	151	123	1035	12	35	58	18	18	141	29	24	333	92	46	503
2004	163	123	1043	8	33	56	16	15	152	30	32	326	109	43	509
2005	163	119	1057	7	34	64	13	26	152	30	22	313	113	37	528
2006	162	118	1075	12	34	56	13	29	180	29	19	292	108	36	547
2007	154	121	1092	14	44	58	17	16	186	28	22	286	95	39	562
2008	147	86	1134	13	33	62	14	15	192	29	17	296	91	21	584
2009	150	115	1119	17	48	66	17	22	195	28	21	306	88	24	552
2010	145	113	1099	16	53	64	16	17	191	27	15	305	86	28	539
2011	155	112	1086	21	54	68	16	20	183	27	16	327	91	22	508
2007 *	214	153	1133	15	45	59	19	21	190	44	30	294	136	57	590
2008 *	263	146	1534	20	48	72	20	24	255	61	32	401	162	42	806
2009 *	280	172	1537	21	61	83	31	29	258	61	37	413	167	45	783
2010 *	295	179	1529	23	73	84	27	29	258	56	31	418	189	46	769
2011 *	336	190	1572	39	71	96	31	33	257	63	35	467	203	51	752

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

Table P.3.3

**Prevalent counts**
*prevalent patients on December 31, 2011, by age and cause of renal failure*

Cohort	Total	0-4	5-9	10-14	15-19
	N	N	N	N	N
CAKUT	701	68	109	192	332
Glomerulonephritis	359	17	46	95	201
Cystic kidney disease	176	13	26	51	86
Hereditary Nephropathy	188	32	37	56	63
Ischaemic Renal Failure	43	9	9	12	13
HUS	82	9	15	28	30
Metabolic disorders	47	10	6	11	20
Vasculitis	26	0	2	4	20
Miscellaneous	258	31	46	66	115
Missing, unknown	235	18	27	51	139

Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

**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
2002	66.0	21.8	38.5	77.5	120.0
2003	67.2	22.7	37.3	76.5	125.8
2004	68.3	20.8	38.7	76.9	131.2
2005	68.8	22.1	40.5	72.8	134.2
2006	69.1	21.3	47.0	68.4	134.1
2007	69.4	24.0	46.2	67.4	133.9
2008	68.8	22.0	45.8	69.2	132.6
2009	69.7	26.3	48.3	72.9	126.8
2010	68.2	26.5	45.9	71.6	125.3
2011	68.1	28.5	44.6	76.4	120.8
2007 *	59.0	19.5	38.1	58.0	112.2
2008 *	57.3	16.8	36.4	59.4	111.0
2009 *	57.7	19.3	37.8	60.7	109.2
2010 *	54.7	19.7	34.6	56.1	106.1
2011 *	52.9	21.0	32.5	57.5	98.9

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

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
2002	7.3	7.3	50.8	1.1	9.9	10.6	1.9	4.1	32.3	7.1	6.3	63.6	18.0	8.7	91.6
2003	7.7	6.2	52.6	2.6	7.5	12.4	3.8	3.8	29.5	5.7	4.7	65.5	17.8	8.9	97.3
2004	8.3	6.3	53.1	1.7	7.0	11.9	3.4	3.2	32.1	5.9	6.3	63.9	21.4	8.5	100.1
2005	8.3	6.1	53.8	1.5	7.2	13.5	2.8	5.5	32.2	5.9	4.3	61.6	22.1	7.2	103.2
2006	8.2	6.0	54.4	2.5	7.1	11.7	2.7	6.1	37.9	5.8	3.8	57.9	20.8	6.9	105.3
2007	7.8	6.1	55.0	2.9	9.1	12.0	3.6	3.4	39.1	5.6	4.4	57.2	18.1	7.4	106.9
2008	7.3	4.3	56.6	2.6	6.7	12.6	2.9	3.1	39.6	5.8	3.4	59.5	17.1	4.0	109.9
2009	7.5	5.7	55.9	3.4	9.7	13.3	3.5	4.5	40.3	5.7	4.3	62.5	16.6	4.5	104.1
2010	7.2	5.6	54.9	3.2	10.6	12.8	3.3	3.5	39.2	5.6	3.1	62.7	16.3	5.3	102.4
2011	7.8	5.6	54.3	4.2	10.8	13.5	3.3	4.1	37.3	5.6	3.3	67.4	17.5	4.2	97.7
2007 *	8.4	6.0	44.3	2.5	7.4	9.7	3.1	3.5	31.3	6.9	4.7	46.2	19.3	8.1	83.7
2008 *	7.7	4.3	44.8	2.4	5.8	8.6	2.4	2.9	30.7	7.3	3.8	47.8	17.6	4.6	87.4
2009 *	8.1	5.0	44.4	2.5	7.1	9.7	3.7	3.4	30.6	7.2	4.4	48.8	18.2	4.9	85.3
2010 *	8.0	4.9	41.5	2.5	7.9	9.1	3.0	3.2	28.4	6.2	3.4	46.4	19.8	4.8	80.4
2011 *	8.4	4.8	39.3	3.9	7.2	9.7	3.1	3.3	25.9	6.4	3.6	47.4	19.7	4.9	73.0

\* Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011

Table P.3.6

**Prevalence per million age-related population**
*prevalent patients on December 31, 2011, by age and cause of renal failure*

Cohort	Total	0-4	5-9	10-14	15-19
	Pmarp	Pmarp	Pmarp	Pmarp	Pmarp
CAKUT	17.5	6.9	11.0	19.5	32.2
Glomerulonephritis	9.0	1.7	4.6	9.7	19.5
Cystic kidney disease	4.4	1.3	2.6	5.2	8.3
Hereditary Nephropathy	4.7	3.2	3.7	5.7	6.1
Ischaemic Renal Failure	1.1	0.9	0.9	1.2	1.3
HUS	2.1	0.9	1.5	2.8	2.9
Metabolic disorders	1.2	1.0	0.6	1.1	1.9
Vasculitis	0.7	0.0	0.2	0.4	1.9
Miscellaneous	6.5	3.1	4.6	6.7	11.2
Missing, unknown	5.9	1.8	2.7	5.2	13.5

Including data from Romania and Spain (Aragon, Extremadura) since 2006, Spain (Galicia) since 2007, France since 2008 (coverage from 53.9% in 2008 to 77.7% in 2011), and Bosnia and Herzegovina and Serbia since 2011



## **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, 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 27 national and regional registries from 15 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 France presented in Section A of this report, are based on one dataset containing data from 23 of 26 regions, including Alsace, Aquitaine, Auvergne, Basse Normandie, Bourgogne, Bretagne, Centre, Champagne-Ardenne, Corse, Franche-Comté, Haute Normandie, Languedoc Roussillon, Limousin, Midi-Pyrénées, Nord-Pas de Calais, Pays de la Loire, Picardie, Poitou-Charentes, Provence-Alpes-Côte d'Azur, Rhône-Alpes and the overseas departments of Guadeloupe, Guiana and Réunion.

The data on Spain presented in Section A of this report are based on separate datasets from 11 of 19 regions, including Andalusia, Aragon, Asturias, Basque country, Cantabria, Castile and León, Castile-La Mancha, Catalonia, Extremadura, Galicia, 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 a follow-up until 31 March 2012. For the following registries data were only available until 31 December 2011: Bosnia and Herzegovina, Denmark, Spain (Asturias), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), 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 2011
Austria	<a href="http://epp.eurostat.ec.europa.eu/">http://epp.eurostat.ec.europa.eu/</a>
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>
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	Registry (INSEE)
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>
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, 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.statistics.gov.uk/">http://www.statistics.gov.uk/</a>
United Kingdom, Scotland	<a href="http://www.statistics.gov.uk/">http://www.statistics.gov.uk/</a>

## Reference population

Since the Annual Report 2008, the age and gender distribution of the EU27 of 2005 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 2005 is shown in Table 3.

**Table 3: The age and gender distribution of the reference population EU27 (2005)**

Age groups	All	Men	Women
	N	N	N
0-4	25.319.377	12.987.194	12.332.183
5-9	25.785.403	13.220.589	12.564.814
10-14	27.909.860	14.308.595	13.601.265
15-19	30.553.193	15.655.201	14.897.992
20-24	32.182.224	16.362.495	15.819.729
25-29	33.801.832	17.155.652	16.646.180
30-34	35.618.802	18.014.943	17.603.859
35-39	37.664.584	19.014.329	18.650.255
40-44	37.194.942	18.664.119	18.530.823
45-49	35.145.729	17.491.426	17.654.303
50-54	32.862.110	16.196.648	16.665.462
55-59	30.683.670	15.009.724	15.673.946
60-64	25.257.188	12.132.666	13.124.522
65-69	24.176.265	11.232.568	12.943.697
70-74	20.772.535	9.170.809	11.601.726
75-79	17.024.353	6.886.468	10.137.885
80-84	12.055.615	4.197.014	7.858.601
85+	8.007.800	2.300.954	5.706.846
Total	492.015.482	240.001.394	252.014.088

## **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 17 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, Croatia, Czech Republic, Estonia, France, FYR of Macedonia, Israel, Latvia, Montenegro, Poland, Portugal, Russia, Slovakia, Slovenia, Spain, Turkey, and Ukraine.

Data from France are based on 25 of 26 regions, including Alsace, Aquitaine, Auvergne, Brittany, Burgundy, Centre, Champagne-Ardenne, Corse, Franche-Comté, Île-de-France, Languedoc-Roussillon, Limousin, Lorraine, Lower Normandy, Midi-Pyrénées, Nord-Pas-de-Calais, Pays de la Loire, Picardy, Poitou-Charentes, Provence-Alpes-Côte d'Azur, Rhône-Alpes, Upper Normandy, and the overseas departments of Guadeloupe, Guiana and Réunion.

Data from Spain are based on all of the 19 regions, including 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, Navarre, 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 EU27 of 2005 (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 (2011). 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, 2011.

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

Renal diseases were defined according to the 1994 and 1995 ERA-EDTA coding systems and subsequently classified into groups (Appendix 1).

### **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 9.2 [2] was used. This statistical software package is able to maintain large datasets, is syntax driven which increases reproducibility of results, and has extensive capabilities with respect to statistics and data management.

## **Section A**

### **Incidence and prevalence**

The incidence and prevalence tables were based on 27 data sets from national or regional registries from 15 countries that provided individual patient data for 2011, including Austria, Belgium (Dutch-speaking), Belgium (French-speaking), Bosnia and Herzegovina, Denmark, Finland, France (23 regions), Greece, Iceland, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Cantabria), Spain (Castile and León), Spain (Castile-La Mancha), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (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, 2012, 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 2011, when compared to patients who started RRT in the last three months of 2011.

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**

<b>Age groups</b>	<b>Incidence rate country A Pmp</b>	<b>Reference population %</b>
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 [3]. For the analysis of survival data two five-year cohorts were used:

- 2002-2006 - for the presentation of 90-day, one-, two- and five-year survival probabilities.
- 2005-2009 - 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, Italy (Calabria), 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). Spain (Castile-La Mancha), Spain (Extremadura) and United Kingdom (Northern Ireland) were only included in the analyses based on the second cohort (2005-2009), because for these registries complete data were available from 2003 and 2005, respectively.

December 31, 2011 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. [3]. In unadjusted survival analysis the cells in the tables were left blank when there were less than 30 patients in that cell.

### **Adjusted survival probabilities**

The Cox regression model was used to compare the survival between groups while accounting for confounders [4]. 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 [5].

To be able to calculate expected remaining lifetimes we used data from registries providing data from 2000 until 2011. 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 2005). 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 21 national or regional registries from 14 countries that provided complete individual patient data in their paediatric population for 2002 to 2011, including Austria, Bosnia and Herzegovina, Denmark, Finland, France, Greece, Iceland, Norway, Romania, Serbia, Spain (Andalusia), Spain (Aragon), Spain (Asturias), Spain (Basque country), Spain (Catalonia), Spain (Extremadura), Spain (Galicia), Spain (Valencian region), Sweden, The Netherlands, and United Kingdom (Scotland). Bosnia and Herzegovina and Serbia provided data for 2011, France since 2008, Spain (Galicia) since 2007, and Romania and Spain (Aragon, Extremadura) provided data since 2006. 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 2002 and 2011. The cohorts 2006-2007, 2008-2009 and 2010-2011 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 2010 + the total population in 2011) 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 2002 to 2011. Again, the years 2007, 2008, 2009, 2010 and 2011 were presented twice to allow for a comparison over time. The prevalence on RRT by cause of renal failure was calculated for patients prevalent on December 31, 2011.

## **Bibliography**

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- 5) U.S. Renal Data System, *USRDS 2011 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, 2011.



## **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 *	+	-	-	+	+
FYR of Macedonia	-	-	-	+	-
Greece	+	+	+	-	+
Iceland	+	+	+	-	+
Israel	-	-	-	+	-
Italy †	-	+	-	-	-
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, Community of Madrid	-	-	-	+	-
Spain, Extremadura	+	+	-	+	+
Spain, Galicia	+	-	-	+	+
Spain, La Rioja	-	-	-	+	-
Spain, Melilla	-	-	-	+	-
Spain, Navarre	-	-	-	+	-
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	+	+	+	-	-

\* Incidence and prevalence data based on the regions Alsace, Aquitaine, Auvergne, Brittany, Burgundy, Centre, Champagne-Ardenne, Corsica, Franche-Comté, Île-de-France (only in B), Languedoc-Roussillon, Limousin, Lorraine (only in B), Lower Normandy, Midi-Pyrénées, Nord-Pas-de-Calais, Pays de la Loire, Picardy, Poitou-Charentes, Provence-Alpes-Côte-d'Azur, Rhône-Alpes, Upper Normandy and the overseas departments of Guadeloupe, Guiana and Réunion

† Survival data based on the region Calabria only





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