Summary of the 2012 ERA-EDTA Registry Annual Report
National and regional renal registries that contributed data to the 2012 ERA-EDTA Registry Annual Report

- Red: Renal registries contributing with individual patient data
- Orange: Renal registries contributing with aggregated data
Incident patients accepted for RRT in 2012, at day 1
by country
Incident patients accepted for RRT in 2012, at day 1
by country

Unadjusted incidence, by country
renal registries providing individual patient data

Incidence (per million population)

Incidence (per million population)
Incident patients accepted for RRT in 2012, at day 1
by country, adjusted for age and gender

Adjusted incidence, by country
renal registries providing individual patient data

Adjusted incidence, by country
renal registries providing aggregated data

Incidence (per million population)
Incident patients accepted for RRT in 2012, at day 1

Mean age at start RRT
renal registries providing individual patient data

Romania: 60.0
Serbia: 60.7
Spain, Region of Murcia: 60.8
United Kingdom, Scotland: 60.8
Bosnia and Herzegovina: 61.1
Finland: 61.6
United Kingdom, England: 62.1
Spain, Cantabria: 62.4
Spain, Basque country: 62.6
Norway: 63.1
Spain, Extremadura: 63.1
Spain, Andalusia: 63.2
Spain, Community of Madrid: 63.2
Sweden: 63.4
United Kingdom, Northern Ireland: 63.8
United Kingdom, Wales: 64.0
Denmark: 64.1
Spain, Catalonia: 64.1
The Netherlands: 64.1
Spain, Valencian region: 64.5
Croatia: 64.7
Austria: 64.8
Spain, Galicia: 65.1
Spain, Castile-La Mancha: 65.1
Spain, Aragon: 66.0
Spain, Asturias: 66.7
Slovenia: 67.0
France: 67.1
Belgium, French-speaking: 67.2
Spain, Castile and Leon: 67.3
Iceland: 67.7
Greece: 69.0
Belgium, Dutch-speaking: 69.6

Mean age at start RRT
renal registries providing aggregated data

Montenegro: 51.0
Russia: 51.3
Albania: 52.3
Georgia: 59.1
Estonia: 59.8
Latvia: 60.8
Spain: 62.4
Slovakia: 63.1
Israel: 66.0
All countries: 54.8
Incident patients accepted for RRT in 2012, at day 1
Mean age by gender

**Mean age at start RRT**

*Male patients starting RRT in 2012*

- Romania: 59.5
- Bosnia and Herzegovina: 60.1
- Serbia: 60.4
- United Kingdom, Scotland: 60.9
- Spain, Region of Murcia: 61.1
- Finland: 61.5
- Spain, Andalusia: 62.5
- Spain, Cantabria: 62.7
- United Kingdom, England: 62.9
- Iceland: 63.0
- Spain, Basque country: 63.1
- Sweden: 63.4
- United Kingdom, Northern Ireland: 63.4
- Croatia: 63.5
- United Kingdom, Wales: 63.7
- Spain, Extremadura: 63.7
- Denmark: 63.9
- Spain, Catalonia: 64.0
- Spain, Community of Madrid: 64.2
- Spain, Valencian region: 64.3
- Austria: 64.3
- Norway: 64.4
- The Netherlands: 64.4
- Spain, Castile-La Mancha: 64.6
- Slovenia: 65.3
- Spain, Asturias: 65.6
- Spain, Galicia: 65.8
- Spain, Aragon: 66.5
- Belgium, French-speaking: 67.1
- Spain, Castile and León: 67.1
- France: 67.3
- Greece: 68.5
- Belgium, Dutch-speaking: 69.0
- All countries: 64.8

**Mean age at start RRT**

*Female patients starting RRT in 2012*

- Spain, Region of Murcia: 60.0
- United Kingdom, Scotland: 60.7
- Romania: 60.8
- United Kingdom, England: 60.9
- Norway: 60.9
- Serbia: 61.1
- Spain, Basque country: 61.2
- Spain, Community of Madrid: 61.3
- Spain, Cantabria: 61.6
- Finland: 61.6
- Spain, Extremadura: 62.1
- Bosnia and Herzegovina: 62.4
- Sweden: 63.3
- The Netherlands: 63.5
- Spain, Galicia: 63.7
- Spain, Catalonia: 64.2
- United Kingdom, Northern Ireland: 64.3
- Spain, Andalusia: 64.4
- Denmark: 65.0
- United Kingdom, Wales: 65.1
- Spain, Aragon: 65.7
- Spain, Valencian region: 65.7
- Austria: 66.1
- Spain, Castile-La Mancha: 66.5
- Croatia: 66.5
- France: 66.7
- Belgium, French-speaking: 67.6
- Spain, Castile and León: 69.3
- Spain, Asturias: 69.8
- Slovenia: 69.8
- Greece: 69.8
- Belgium, Dutch-speaking: 70.5
- Iceland: 71.1
- All countries: 64.5
Incident patients accepted for RRT in 2012, at day 1
by cause of renal failure

Incidence, by cause of renal failure
all patients starting RRT in 2012

- Glomerulonephritis/sclerosis: 15.2
- Pyelonephritis: 7.2
- Polycystic kidneys, adult type: 7.4
- Diabetes mellitus: 29.4
- Hypertension: 19.5
- Renal vascular disease: 4.6
- Miscellaneous: 23.1
- Unknown: 23.8
- Missing: 3.1

Incidence (per million population)

Incidence, by cause of renal failure
all patients starting RRT in 2012

- Glomerulonephritis/sclerosis: 11.4%
- Pyelonephritis: 5.4%
- Polycystic kidneys, adult type: 5.5%
- Unknown: 17.8%
- Miscellaneous: 17.3%
- Hypertension: 22.1%
- Renal vascular disease: 3.5%
Incident patients accepted for RRT in 2012, at day 1
by cause of renal failure and age category

Incidence, by cause of renal failure
patients younger than 65 years of age at start RRT in 2012

- Missing, 2.5%
- Glomerulonephritis/sclerosis, 16.3%
- Unknown, 15.4%
- Pyelonephritis, 5.8%
- Miscellaneous, 18.2%
- Polycystic kidneys, adult type, 9.1%
- Diabetes mellitus, 22.5%
- Renal vascular disease, 1.4%
- Hypertension, 8.8%

Incidence, by cause of renal failure
patients older than 65 years of age at start RRT in 2012

- Missing, 2.3%
- Glomerulonephritis/sclerosis, 7.5%
- Pyelonephritis, 5.1%
- Polycystic kidneys, adult type, 2.7%
- Diabetes mellitus, 21.7%
- Unknown, 19.8%
- Miscellaneous, 16.6%
- Hypertension, 19.2%
- Renal vascular disease, 5.1%
Incident patients accepted for RRT in 2012, at day 91
by established modality

Incidence at day 91, by established modality
all patients starting RRT in 2012

- **Haemodialysis**: 98.2%
- **Peritoneal dialysis**: 17.5%
- **Transplant**: 6.6%
- **Unknown / missing**: 1.0%

Incidence at day 91, by established modality
all patients starting RRT in 2012

- **Haemodialysis**, 79.7%
- **Peritoneal dialysis**, 14.2%
- **Transplant**, 5.3%
- **Unknown/missing**, 0.8%
Incident patients accepted for RRT in 2012, at day 91
by established modality and age category

Incidence at day 91, by established modality
patients younger than 65 years of age at start RRT in 2012

- Transplant, 9.9%
- Unknown/missing, 0.8%
- Peritoneal dialysis, 16.9%
- Haemodialysis, 72.4%

Incidence at day 91, by established modality
patients older than 65 years of age at start RRT in 2012

- Transplant, 1.4%
- Unknown/missing, 0.7%
- Peritoneal dialysis, 11.9%
- Haemodialysis, 85.9%
Prevalent patients on RRT in 2012
by country

Unadjusted prevalence, by country
renal registries providing individual patient data

Iceland: 683
Bosnia and Herzegovina: 718
Serbia: 752
Romania: 766
Finland: 808
United Kingdom, Northern Ireland: 854
United Kingdom, Scotland: 858
United Kingdom, England: 868
Denmark: 872
Norway: 887
United Kingdom, Wales: 892
The Netherlands: 923
Sweden: 933
Spain, Cantabria: 973
Spain, Community of Madrid: 987
Slovenia: 996
Spain, Castile-La Mancha: 1,007
Austria: 1,023
Croatia: 1,033
Spain, Extremadura: 1,050
Spain, Andalusia: 1,062
Spain, Castile and León: 1,064
Spain, Asturias: 1,072
Spain, Aragon: 1,083
Greece: 1,136
France: 1,139
Spain, Basque country: 1,141
Spain, Region of Murcia: 1,155
Spain, Galicia: 1,182
Spain, Valencian region: 1,191
Spain, Catalonia: 1,200
Belgium, Dutch-speaking: 1,206
Belgium, French-speaking: 1,251
All countries: 992

Unadjusted prevalence, by country
renal registries providing aggregated data

Ukraine: 147
Russia: 214
Montenegro: 310
Albania: 325
Latvia: 538
Georgia: 546
Estonia: 554
Slovakia: 595
Israel: 733
Poland: 748
Turkey: 816
Czech Republic: 996
Spain: 1,092
Portugal: 1,670
All countries: 561
Prevalent patients on RRT in 2012
by country, adjusted for age and gender

Adjusted prevalence, by country
renal registries providing individual patient data

<table>
<thead>
<tr>
<th>Country</th>
<th>Prevalence (per million population)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serbia</td>
<td>704</td>
</tr>
<tr>
<td>Romania</td>
<td>766</td>
</tr>
<tr>
<td>Finland</td>
<td>778</td>
</tr>
<tr>
<td>Iceland</td>
<td>789</td>
</tr>
<tr>
<td>Bosnia and Herzegovina</td>
<td>822</td>
</tr>
<tr>
<td>United Kingdom, Scotland</td>
<td>857</td>
</tr>
<tr>
<td>Denmark</td>
<td>874</td>
</tr>
<tr>
<td>United Kingdom, Wales</td>
<td>885</td>
</tr>
<tr>
<td>United Kingdom, England</td>
<td>901</td>
</tr>
<tr>
<td>Spain, Castile and León</td>
<td>912</td>
</tr>
<tr>
<td>Spain, Asturias</td>
<td>917</td>
</tr>
<tr>
<td>Spain, Cantabria</td>
<td>918</td>
</tr>
<tr>
<td>Sweden</td>
<td>918</td>
</tr>
<tr>
<td>The Netherlands</td>
<td>928</td>
</tr>
<tr>
<td>Norway</td>
<td>938</td>
</tr>
<tr>
<td>United Kingdom, Northern Ireland</td>
<td>940</td>
</tr>
<tr>
<td>Slovenia</td>
<td>967</td>
</tr>
<tr>
<td>Croatia</td>
<td>992</td>
</tr>
<tr>
<td>Austria</td>
<td>1,004</td>
</tr>
<tr>
<td>Spain, Aragon</td>
<td>1,016</td>
</tr>
<tr>
<td>Spain, Extremadura</td>
<td>1,021</td>
</tr>
<tr>
<td>Spain, Castile-La Mancha</td>
<td>1,034</td>
</tr>
<tr>
<td>Spain, Galicia</td>
<td>1,044</td>
</tr>
<tr>
<td>Spain, Community of Madrid</td>
<td>1,046</td>
</tr>
<tr>
<td>Spain, Basque country</td>
<td>1,052</td>
</tr>
<tr>
<td>Greece</td>
<td>1,058</td>
</tr>
<tr>
<td>Spain, Andalusia</td>
<td>1,126</td>
</tr>
<tr>
<td>Belgium, Dutch-speaking</td>
<td>1,139</td>
</tr>
<tr>
<td>France</td>
<td>1,156</td>
</tr>
<tr>
<td>Spain, Valencian region</td>
<td>1,182</td>
</tr>
<tr>
<td>Spain, Catalonia</td>
<td>1,221</td>
</tr>
<tr>
<td>Spain, Region of Murcia</td>
<td>1,303</td>
</tr>
<tr>
<td>Belgium, French-speaking</td>
<td>1,324</td>
</tr>
</tbody>
</table>

Adjusted prevalence, by country
renal registries providing aggregated data

<table>
<thead>
<tr>
<th>Country</th>
<th>Prevalence (per million population)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ukraine</td>
<td>144</td>
</tr>
<tr>
<td>Montenegro</td>
<td>329</td>
</tr>
<tr>
<td>Albania</td>
<td>357</td>
</tr>
<tr>
<td>Estonia</td>
<td>554</td>
</tr>
<tr>
<td>Georgia</td>
<td>622</td>
</tr>
<tr>
<td>Slovakia</td>
<td>668</td>
</tr>
<tr>
<td>Spain</td>
<td>1,068</td>
</tr>
<tr>
<td>Israel</td>
<td>1,077</td>
</tr>
</tbody>
</table>

All countries: 997

All countries: NA
Prevalent patients on RRT in 2012
mean age at December 31

Mean age at start RRT
renal registries providing individual patient data

- United Kingdom, Scotland: 56.4
- Spain, Community of Madrid: 56.5
- Spain, Valencian region: 57.5
- United Kingdom, England: 58.0
- Croatia: 58.1
- United Kingdom, Northern Ireland; Spain, Cantabria: 58.4
- Spain, Region of Murcia: 58.5
- Spain, Galicia: 58.6
- Belgium, Dutch-speaking: 58.6
- United Kingdom, Wales: 58.8
- Sweden: 59.2
- Spain, Extremadura: 59.3
- Denmark: 59.4
- Slovenia: 60.1
- Austria: 60.2
- Norway: 60.6
- Greece: 60.6
- Spain, Aragon: 60.6
- Spain, Catalonia: 60.7
- Spain, Asturias: 61.2
- Spain, Andalusia: 61.3
- Iceland: 61.4
- Spain, Castile and León: 61.5
- The Netherlands: 61.5
- Romania: 61.7
- Finland: 61.8
- Spain, Basque country: 62.0
- France: 62.2
- Serbia: 63.2
- Spain, Castile-La Mancha: 63.2
- Bosnia and Herzegovina: 64.0
- Belgium, French-speaking: 65.2
- All countries: 60.3

Mean age at start RRT
renal registries providing aggregated data

- Albania: 46.5
- Russia: 51.5
- Latvia: 54.3
- Montenegro: 54.9
- Estonia: 55.0
- Georgia: 55.5
- Spain: 58.7
- Israel: 61.2
- Slovakia: 62.5
- Portugal: 65.9
- All countries: 53.8
Prevalent patients on RRT in 2012
by cause of renal failure and age category

**Prevalence, by cause of renal failure**
patients younger than 65 years of age in 2012

- Missing, 2.1%
- Unknown, 13.6%
- Glomerulonephritis/sclerosis, 25.0%
- Miscellaneous, 19.1%
- Pyelonephritis, 10.0%
- Renal vascular disease, 0.9%
- Hypertension, 6.6%
- Diabetes mellitus, 13.1%
- Polycystic kidneys, adult type, 9.6%

**Prevalence, by cause of renal failure**
patients older than 65 years of age in 2012

- Missing, 1.6%
- Glomerulonephritis/sclerosis, 13.6%
- Pyelonephritis, 6.9%
- Polycystic kidneys, adult type, 8.1%
- Renal vascular disease, 3.9%
- Hypertension, 15.8%
- Diabetes mellitus, adult type, 8.1%
Prevalent patients on RRT in 2012
by established modality

Prevalence, by established modality
_all patients on RRT in 2012_

- Haemodialysis: 490.9
- Peritoneal dialysis: 56.6
- Transplant: 441.9
- Unknown / missing: 2.6

Prevalence (per million population)

Pie chart:
- Transplant: 44.5%
- Haemodialysis: 49.5%
- Peritoneal dialysis: 5.7%
- Unknown/missing: 0.3%
Prevalent patients on RRT in 2012
by established modality and age category

Prevalence, by established modality
patients younger than 65 years in 2012

- Transplant, 58.2%
- Haemodialysis, 36.4%
- Peritoneal dialysis, 5.1%
- Unknown/missing, 0.3%

Prevalence, by established modality
patients older than 65 years of age in 2012

- Haemodialysis, 67.5%
- Transplant, 25.7%
- Peritoneal dialysis, 6.6%
- Unknown/missing, 0.2%
Renal transplants performed in 2012 by donor type

Transplantation activity, by donor type
all patients transplanted in 2012

- Living donor: 9.6 per million population
- Deceased donor: 32.4 per million population
- Unknown donor type: 0.5 per million population

Transplantation activity, by donor type
all patients transplanted in 2012

- Donor type unknown: 1.3%
- Living donor: 22.5%
- Deceased donor: 76.3%
Renal transplants performed in 2012
by donor type and age category

Transplantation activity, by donor type
patients younger than 65 years of age at transplantation

- Donor type unknown, 5.0%
- Living donor, 23.5%
- Deceased donor, 71.5%

Transplantation activity, by donor type
patients older than 65 years of age at transplantation

- Donor type unknown, 3.9%
- Living donor, 10.7%
- Deceased donor, 85.4%
Adjusted survival (cohort 2003-2007) incident dialysis patients and patients receiving a first transplant from day 91, by modality adjusted for age, gender and cause of renal failure.
Survival probability by modality and primary diagnosis

Adjusted survival (cohort 2003-2007)
incident haemodialysis patients
from day 91, by modality
adjusted for age, gender and cause of renal failure

Adjusted survival (cohort 2003-2007)
incident peritoneal dialysis patients
from day 91, by modality
adjusted for age, gender and cause of renal failure