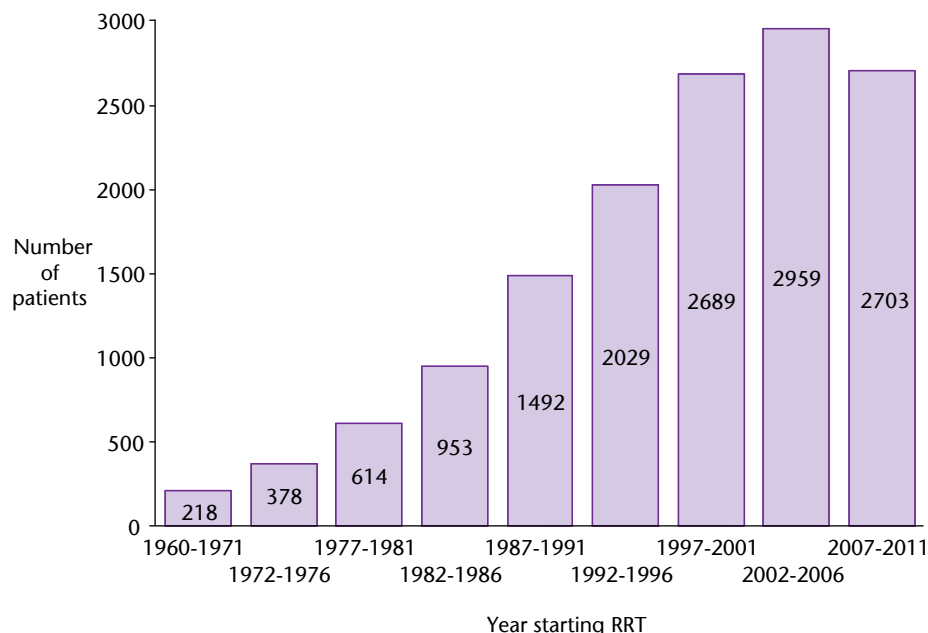


SECTION A INCIDENCE

A1 Incidence of new patients starting RRT

A1.1 Incidence of new patients starting RRT 1960-2011



A1.2 Annual incidence per million population of new patients starting RRT 1982-2011

Year	Number starting RRT (number of males)	Population of Scotland	Incidence per million
1982-1986	953 (556)	5138238 *	37
1987-1991	1492 (880)	5083850 *	59
1992-1996	2029 (1173)	5095234 *	80
1997-2001	2689 (1557)	5071900 *	106
2002	551 (313)	5054800	109
2003	608 (332)	5057400	120
2004	579 (321)	5078400	114
2005	628 (363)	5094800	123
2006	593 (353)	5116900	116
2007	575 (336)	5144200	112
2008	551 (317)	5168500	107
2009	551 (335)	5194000	106
2010	519 (317)	5222100	99
2011	507 (290)	5254800	96

Population figures are from the General Register Office for Scotland. They are population estimates for the 30 June of each year.

* The population estimates shown for the five year bands between 1982 and 2001 are the arithmetical mean of the mid-year population estimate for each of the years in question, the annual incidence of new patients is averaged over the five year periods.

A1.3 Age standardised incidence of new patients starting RRT 2007-2011 by NHS Board area of residence

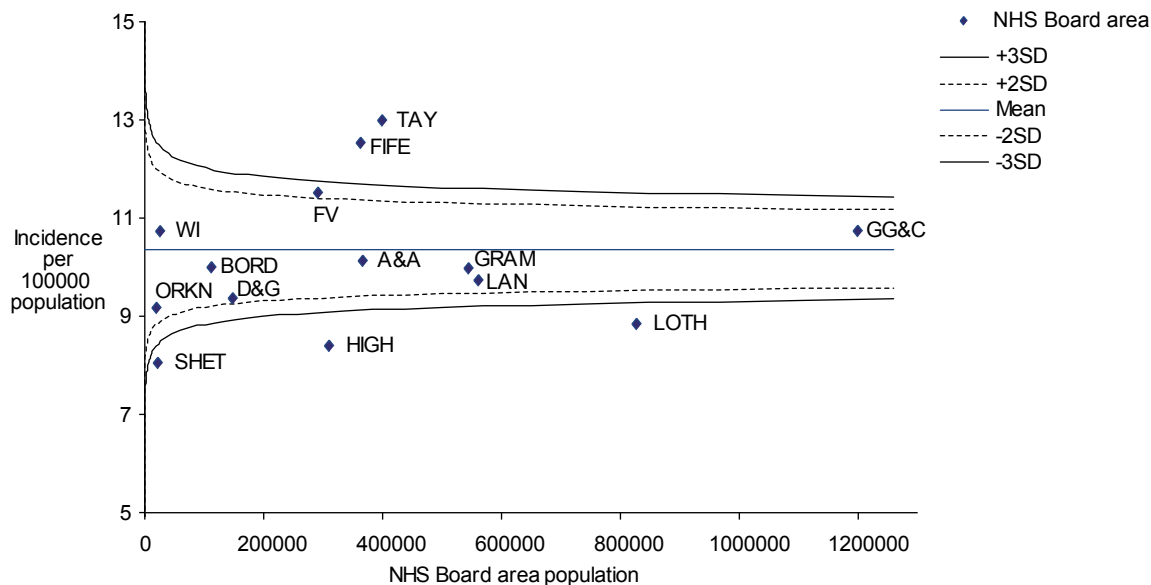
NHS Board	Number starting RRT	Incidence per 100000 population	Age standardised incidence per 100000 population
A&A	198	11	10.2
BORD	62	11	10.0
D&G	80	11	9.4
FIFE	232	13	12.6
FV	166	11	11.5
GG&C	622	10	10.8
GRAM	270	10	10.0
HIGH	142	9	8.4
LAN	267	10	9.8
LOTH	346	8	8.9
ORKN	10	10	9.2
SHET	9	8	8.1
TAY	276	14	13.0
WI	16	12	10.8
SCOT	2696	10	10.4

The incidence of new patients starting RRT in each NHS Board area of residence has been standardised to take into account differences in the age distribution of residents to allow direct comparison between areas.

The age standardised incidence is the total number of residents expected to start RRT in a NHS Board area population, if the age structure of the Board area was the same as that of Scotland.

A five year incident period from 2007 to 2011 has been used to minimise the impact of year to year fluctuations in numbers of patients.

A1.4 Age standardised incidence of new patients starting RRT 2007-2011 by NHS Board area of residence

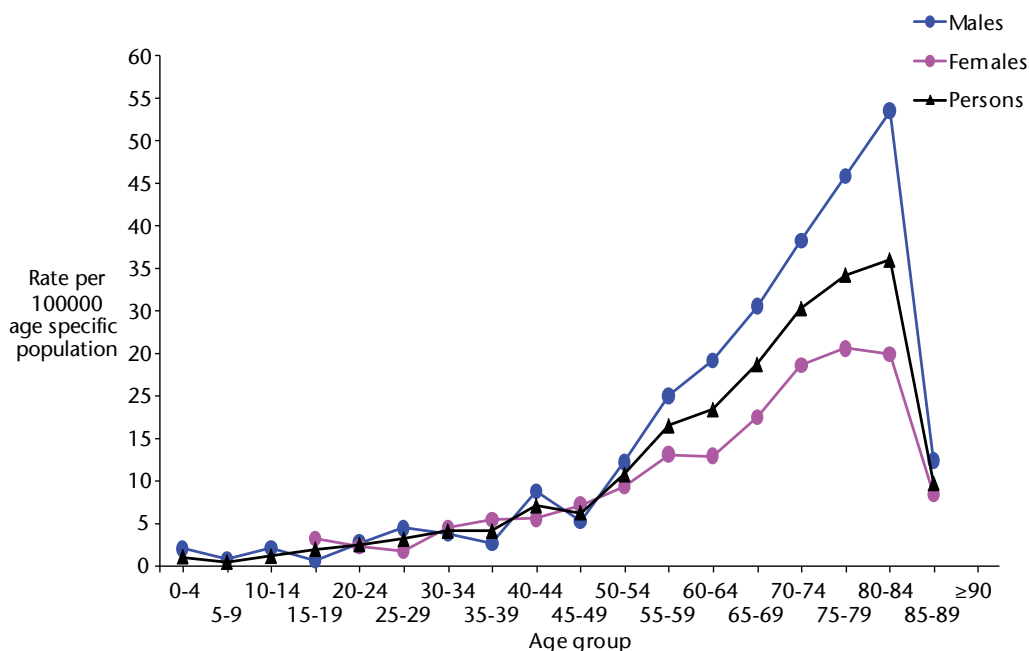


FIFE and TAY NHS Board areas have age standardised incidence rates, over the period 2007-2011, more than 3SD above the national mean. These areas have more incident RRT patients than expected according to the age spread of the NHS Board areas populations.

SHET, HIGH and LOTH have age standardised incidence rates more than 3SD below the national mean and have fewer incident RRT patients than would be expected if the variation between the areas were due to differences in age demographic alone.

A2 General population and incident RRT population 2011

A2.1 Age specific incidence of new patients starting RRT 2011 per 100000 population



A2.2 Age specific incidence and prevalence of RRT patients 2011

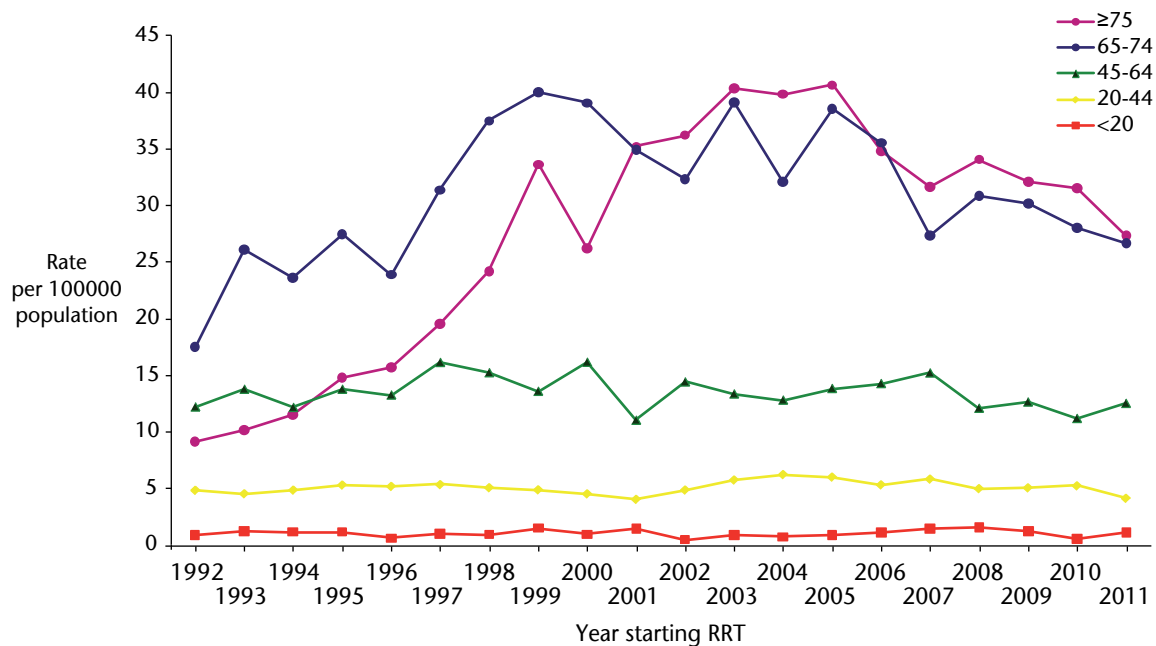
Age	Estimated population 30/06/2011	Number starting RRT 2011	Incidence per million population of each age group	All prevalent patients receiving RRT on 30/06/2011	Prevalence per million population of each age group*
≥75	413074	113	274	584	1414
65-74	479313	128	267	790	1648
45-64	1436617	180	125	1885	1312
20-44	1754025	73	42	1040	593
<20	1171771	13	11	90	77
Total	5254800	507		4389	

Source: <http://www.gro-scotland.gov.uk/statistics/theme/population/index.html>

* Age on June 30 2011

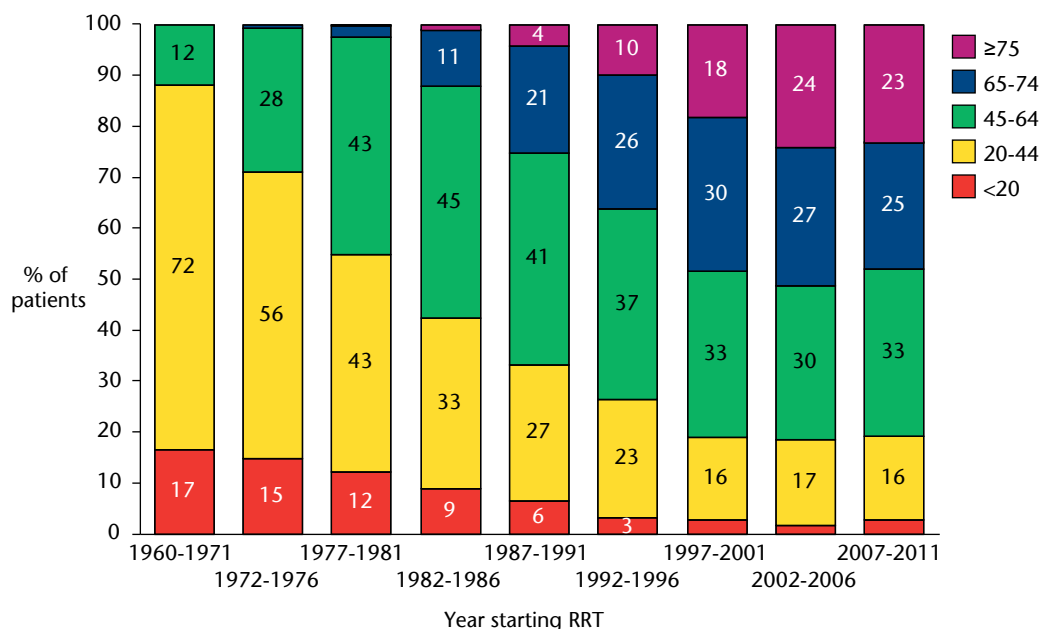
This table shows age specific incidence and prevalence on 30 June 2011, of patients receiving RRT per million population. Ages given are at the start of RRT for incident figures and on 30 June 2011 for prevalence figures. This allows use of the General Register Office mid-year population statistics to calculate age specific rates.

A2.3 Age specific incident RRT population 1992 to 2011 per 100000 population



A3 Age distribution of patients when starting RRT

A3.1 Age distribution of patients when starting RRT 1960-2011



The age distribution in the most recent period 2007-2011 is statistically different from the previous period 2002-2006 (Chi-square, $p=0.01$).

A3.2 Number of patients in each age group and median age when starting RRT 1960-2011						
Year starting RRT	<20	20-44	45-64	65-74	≥75	Median age
1960-1971	36	156	26	0	0	31
1972-1976	56	212	107	3	0	36
1977-1981	75	262	261	15	1	42
1982-1986	85	319	433	106	10	48
1987-1991	95	401	619	314	63	54
1992-1996	66	467	759	535	202	59
1997-2001	74	436	875	815	489	64
2002-2006	50	499	890	806	714	65
2007-2011	71	445	890	671	626	63
Total	608	3197	4860	3265	2105	

A3.3 Number and median age of patients starting RRT 2007-2011 by renal unit				
Renal unit	Number starting RRT 2007-2011	Median age 2007-2011	Number starting RRT 2011	Median age 2011
ARI	267	60	50	64
XH	183	65	32	67
DGRI	78	67	11	64
GLAS	849	63	171	66
MONK	236	61	47	59
NINE	301	70	59	72
RAIG	109	65	11	71
RHSC	50	12	10	12
RIE	434	60	73	60
VHK	196	67	43	64
TOTAL	2703	64	507	64

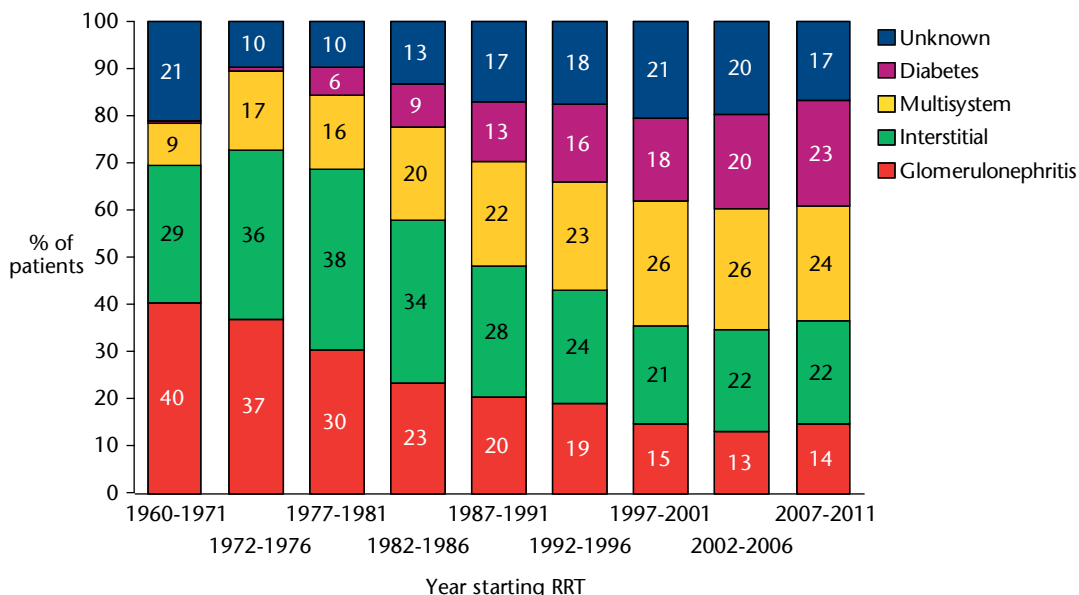
A3.4 Number of patients in each age group and median age when starting RRT 2007-2011 by NHS Board area of residence

	<20	20-44	45-64	65-74	≥75	Number starting RRT 2007-2011	Median age
A&A	3	24	72	44	55	198	65
BORD	1	7	26	20	8	62	63
D&G	2	6	30	19	23	80	66
FIFE	4	38	62	60	68	232	66
FV	8	24	50	46	38	166	65
GG&C	15	105	211	156	135	622	62
GRAM	12	57	91	61	49	270	59
HIGH	5	21	51	34	31	142	63
LAN	8	57	94	64	44	267	60
LOTH	7	66	125	80	68	346	61
ORKN	1	0	2	6	1	10	68
SHET	1	3	1	4	0	9	59
TAY	4	32	68	72	100	276	69
WI	0	4	3	4	5	16	67

A4 Primary renal diagnosis of patients starting RRT

ERA-EDTA Primary Renal Diagnoses (PRD) codes and groupings used in SRR reports are available on the SRR website: <http://www.srr.scot.nhs.uk/Projects/Methods.html>.

A4.1 Percentage of patients in each diagnosis group starting RRT 1960-2011



A4.2 Number of patients in each diagnosis group starting RRT 1960-2011

Year starting RRT	Glomerulonephritis	Interstitial	Multisystem	Diabetes	Unknown	Missing
1960-1971	87	63	19	1	46	2
1972-1976	139	135	64	3	37	0
1977-1981	185	236	96	35	61	1
1982-1986	220	326	188	86	127	6
1987-1991	299	416	330	188	254	5
1992-1996	382	487	465	331	359	5
1997-2001	394	556	707	477	552	3
2002-2006	380	638	762	590	583	6
2007-2011	390	593	654	610	454	2
TOTAL	2476	3450	3285	2321	2473	30

Please see primary renal diagnosis section on page ix for details of the missing diagnoses.

A4.3 Primary renal diagnosis of patients aged less than 45 years starting RRT 1960-2011

Year starting RRT	Glomerulo-nephritis	Interstitial	Multisystem	Diabetes	Unknown	Total
	n (%)	n (%)	n (%)	n (%)	n (%)	n
1960-1971	77 (41%)	60 (32%)	15 (8%)	1 (1%)	37 (18%)	190
1972-1976	112 (42%)	97 (36%)	37 (14%)	1 (0%)	21 (8%)	268
1977-1981	108 (32%)	140 (42%)	41 (12%)	16 (5%)	32 (9%)	337
1982-1986	107 (27%)	147 (36%)	63 (16%)	40 (10%)	46 (11%)	403
1987-1991	130 (26%)	176 (35%)	68 (14%)	60 (12%)	62 (13%)	496
1992-1996	128 (24%)	191 (36%)	64 (12%)	90 (17%)	60 (11%)	533
1997-2001	109 (21%)	166 (33%)	64 (13%)	90 (18%)	81 (16%)	510
2002-2006	114 (21%)	187 (34%)	62 (11%)	115 (21%)	71 (13%)	549
2007-2011	94 (18%)	184 (36%)	58 (11%)	116 (22%)	64 (12%)	516

There are three patients with a missing PRD code.

A4.4 Primary renal diagnosis of patients aged 75 years and older starting RRT 1982-2011

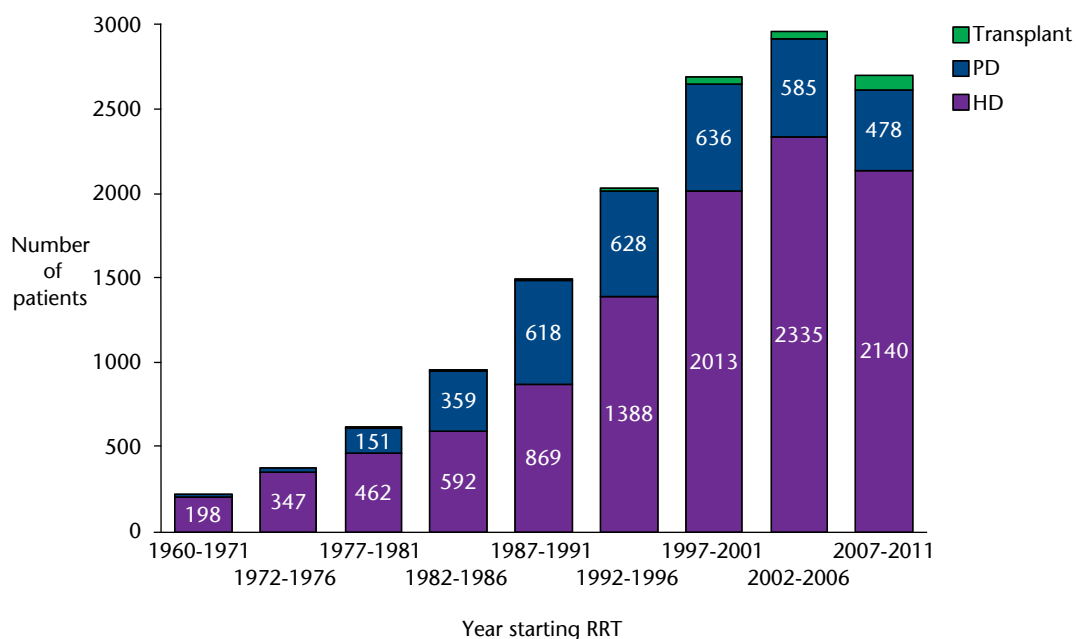
Year starting RRT	Glomerulo-nephritis	Interstitial	Multisystem	Diabetes	Unknown	Total
	n (%)	n (%)	n (%)	n (%)	n (%)	n
1982-1986	1 (10%)	1 (10%)	2 (20%)	1 (10%)	5 (50%)	10
1987-1991	6 (10%)	9 (15%)	17 (27%)	1 (2%)	29 (47%)	62
1992-1996	19 (9%)	32 (16%)	58 (29%)	15 (7%)	78 (39%)	202
1997-2001	52 (11%)	70 (14%)	154 (32%)	50 (10%)	162 (33%)	488
2002-2006	54 (8%)	84 (12%)	265 (37%)	83 (12%)	225 (32%)	711
2007-2011	59 (9%)	79 (13%)	221 (35%)	85 (14%)	180 (29%)	624

There are seven patients with a missing PRD code.

A5 Modality of RRT

There are three principal types of RRT: Haemodialysis (HD) is normally performed in a hospital but can be undertaken in a patient’s home. Peritoneal dialysis (PD) is performed by the patient in their home either using the technique of continuous ambulatory peritoneal dialysis (CAPD) or the dialysate exchanges can be performed semi automatically by a machine, known as automated peritoneal dialysis (APD). Renal transplants are normally donated from a deceased donor, but can also be donated by a living person. In total 185 patients have received a transplant as their first mode of RRT (a pre-emptive transplant) in Scotland by the end of 2011.

A5.1 Mode of first RRT 1960-2011



A5.2 Mode of first RRT 1960-2011

Year starting RRT	HD	PD	Transplant	Total
1960-1971	198	20	0	218
1972-1981	809	182	1	992
1982-1991	1461	977	7	2445
1992-1996	1388	628	13	2029
1997-2001	2013	636	40	2689
2002	436	106	9	551
2003	492	110	6	608
2004	451	122	6	579
2005	493	126	9	628
2006	463	121	9	593
2007	432	123	20	575
2008	437	94	20	551
2009	454	83	14	551
2010	419	88	12	519
2011	398	90	19	507

A5.3 Number of patients on each mode of RRT after one, five and ten years by mode of first RRT for patients starting RRT in 2000

Mode of first RRT 2000	Number of patients	Subsequent RRT mode	1 year		5 years		10 years	
			n	(%)	n	(%)	n	(%)
HD	403	HD	234	(58%)	77	(19%)	12	(3%)
		PD	32	(8%)	9	(2%)	1	(0%)
		Tx	10	(2%)	41	(10%)	49	(12%)
		Deceased	119	(30%)	266	(66%)	330	(82%)
		Other*	8	(2%)	10	(3%)	11	(3%)
PD	145	HD	11	(8%)	24	(17%)	8	(5%)
		PD	109	(75%)	19	(13%)	1	(1%)
		Tx	12	(8%)	41	(28%)	48	(33%)
		Deceased	12	(8%)	59	(41%)	85	(59%)
		Other*	1	(1%)	2	(1%)	3	(2%)
Tx	11	HD	0		0		0	
		PD	0		0		0	
		Tx	11	(100%)	9	(82%)	8	(73%)
		Deceased	0		2	(18%)	3	(27%)

* This category includes other outcomes such as lost to follow up and renal recovery.

The percentage of patients receiving each mode of RRT is given at exactly one, five and ten years after the date of first RRT for each individual, according to their first mode of RRT. Changes in RRT modality between the reported time points are not shown.