

Table 5.01: Stock and Flow of Paediatric Renal Replacement Therapy 1990-2004

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
New HD patients	10	6	8	10	5	7	21	21	22	23	12	24	28	33	34
New CAPD patients	2	2	6	7	13	12	23	20	28	29	37	38	53	39	40
New Transplants	8	6	6	9	11	8	5	14	6	11	14	9	11	11	9
HD deaths	0	2	1	2	0	2	0	3	3	2	4	1	10	5	9
CAPD deaths	0	2	0	0	0	2	2	3	7	2	3	8	8	9	4
Transplant deaths	1	0	0	0	1	0	2	0	0	0	1	0	1	1	0
On HD at 31st Dec	26	27	30	33	34	38	56	70	91	107	121	145	164	189	216
On CAPD at 31st Dec	5	5	8	14	26	32	51	62	73	91	109	122	150	161	174
Functioning transplant at 31st Dec	38	40	45	53	62	67	63	72	75	84	91	96	103	108	111

Figure 5.01a & 5.01b: Incident & Prevalent cases of RRT by modality in children under 20 years old, 1990-2004

Figure 5.01a: Incident cases of RRT by modality in children under 20 years old, 1990-2004

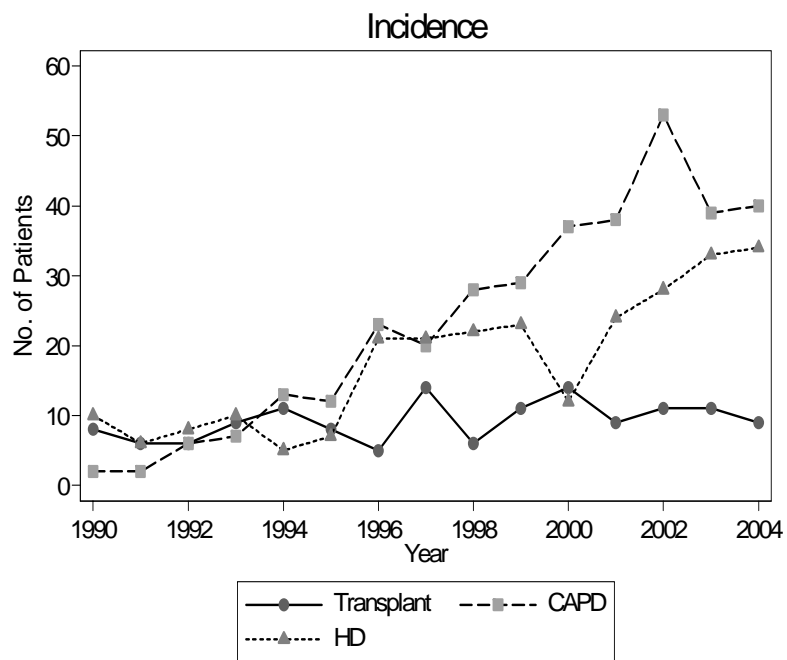


Figure 5.01b: Prevalent cases of RRT by modality in children under 20 years old, 1990-2004

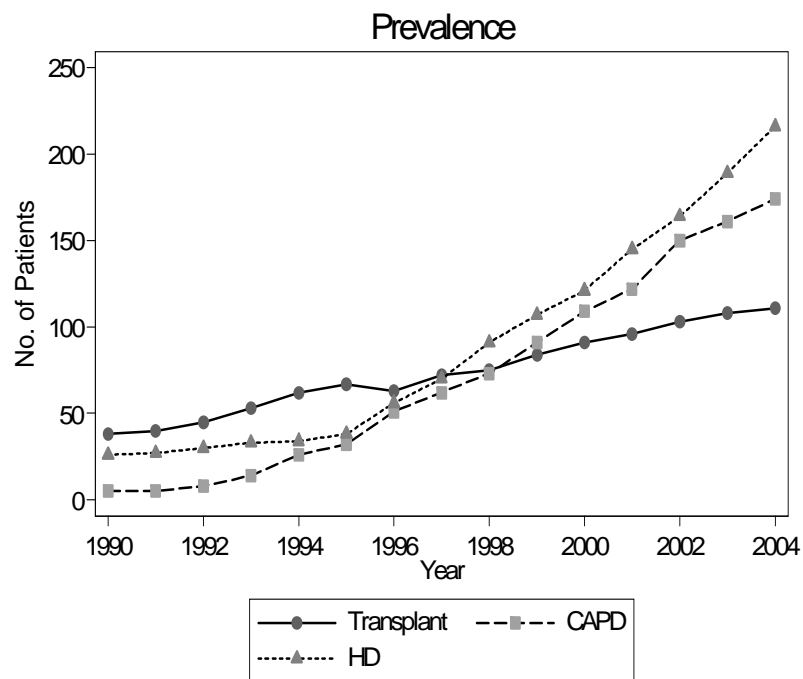


Table 5.02: Paediatric Dialysis and Transplant Treatment Rates per million age-group population 1990-2004

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Incidence rate															
New HD	1	1	1	1	1	1	2	2	2	2	1	2	3	3	3
New CAPD	0	0	1	1	1	1	2	2	3	3	4	4	5	4	4
New Transplant	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
All RRT	2	2	3	3	3	3	5	5	6	6	6	7	8	8	8
Prevalence rate															
On HD	3	3	3	4	4	4	6	7	9	11	12	14	15	18	20
On CAPD	1	1	1	2	3	3	5	6	7	9	11	12	14	15	16
Functioning Graft	4	5	5	6	7	7	7	7	8	8	9	9	10	10	10
All RRT	8	9	9	12	14	14	18	20	24	28	32	33	39	43	46

Figure 5.02: Incidence and prevalence rate per million age related population years old on RRT, 1990-2004

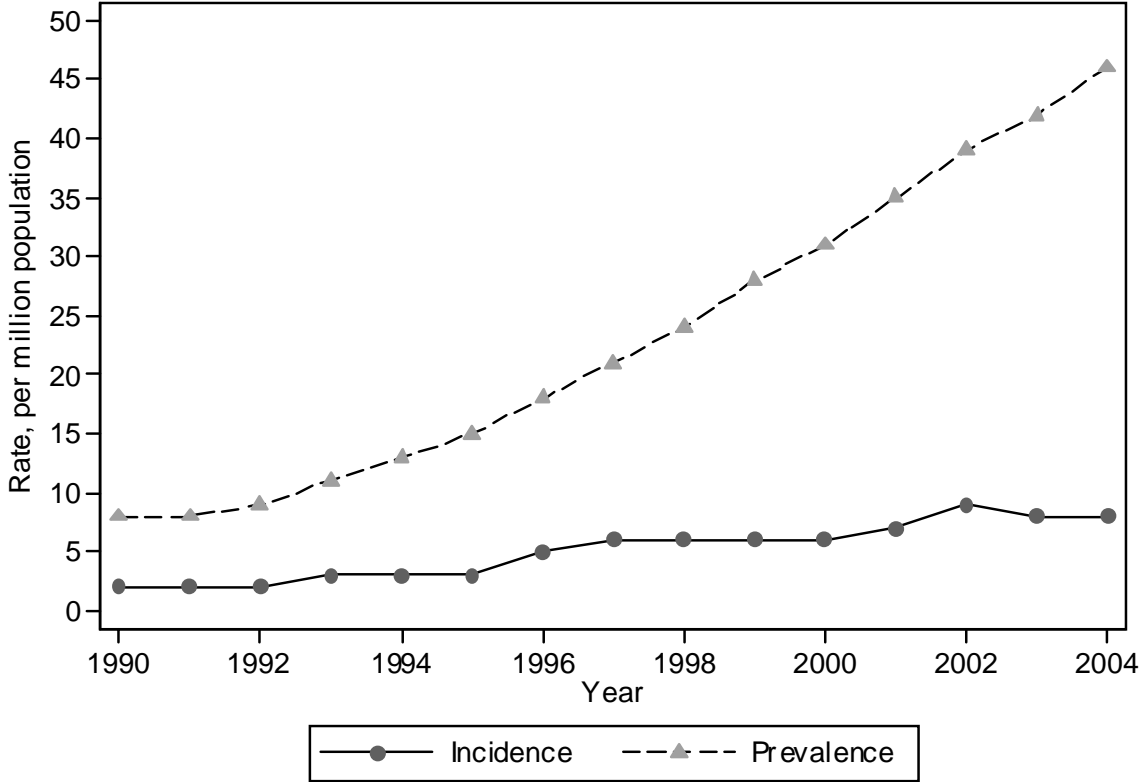


Table 5.03: Dialysis Treatment Rate by State, per million state age group population, 1990-2004

State	1990-1994	1995-1999	2000-2004
Negeri Melaka	2	5	11
Johor Darul Takzim	0	5	11
Negeri Sembilan	2	9	10
Kedah & Perlis	2	5	10
Pulau Pinang	4	4	10
Terengganu Darul Iman	0	3	9
Selangor & W. Persekutuan	3	8	8
Kelantan Darul Naim	0	1	7
Pahang Darul Makmur	1	5	6
Perak Darul Redzuan	1	3	6
Sarawak	2	5	5
Sabah	1	1	4

Figure 5.04: Number of New Dialysis and Transplant Patients by gender 1990-2004

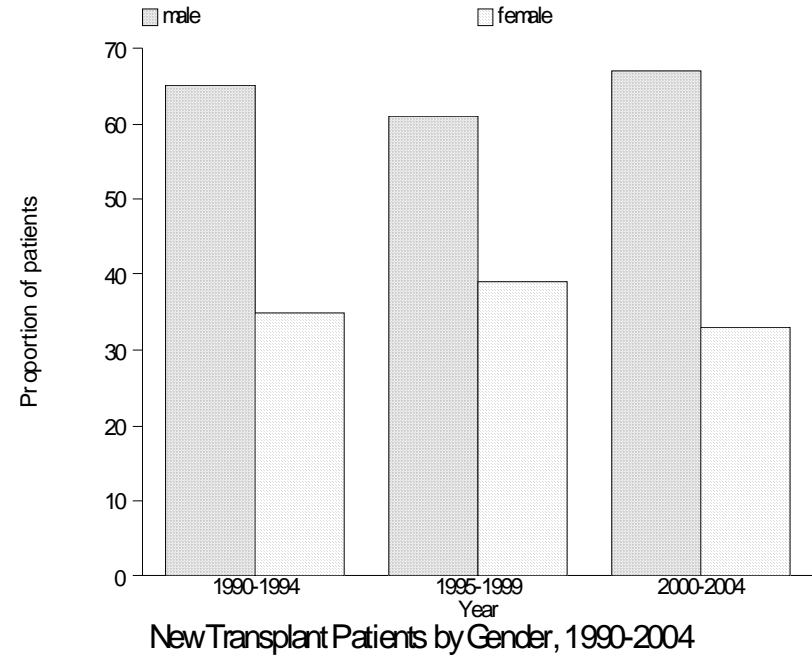
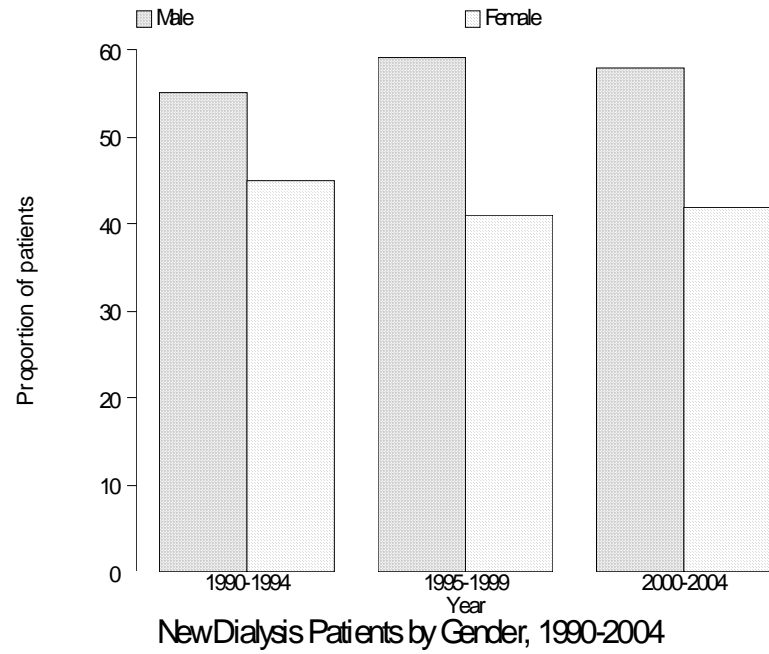


Figure 5.05: Dialysis and Transplant Treatment Rate by Age group 1990-2004

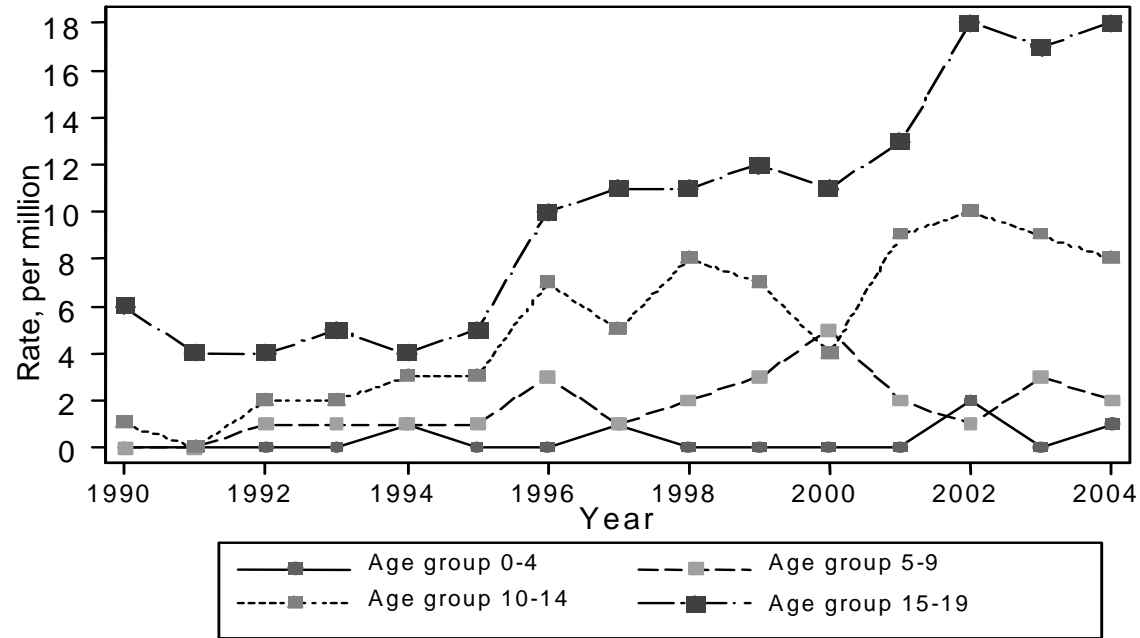


Figure 5.06: New Dialysis by treatment modality 1990-2004

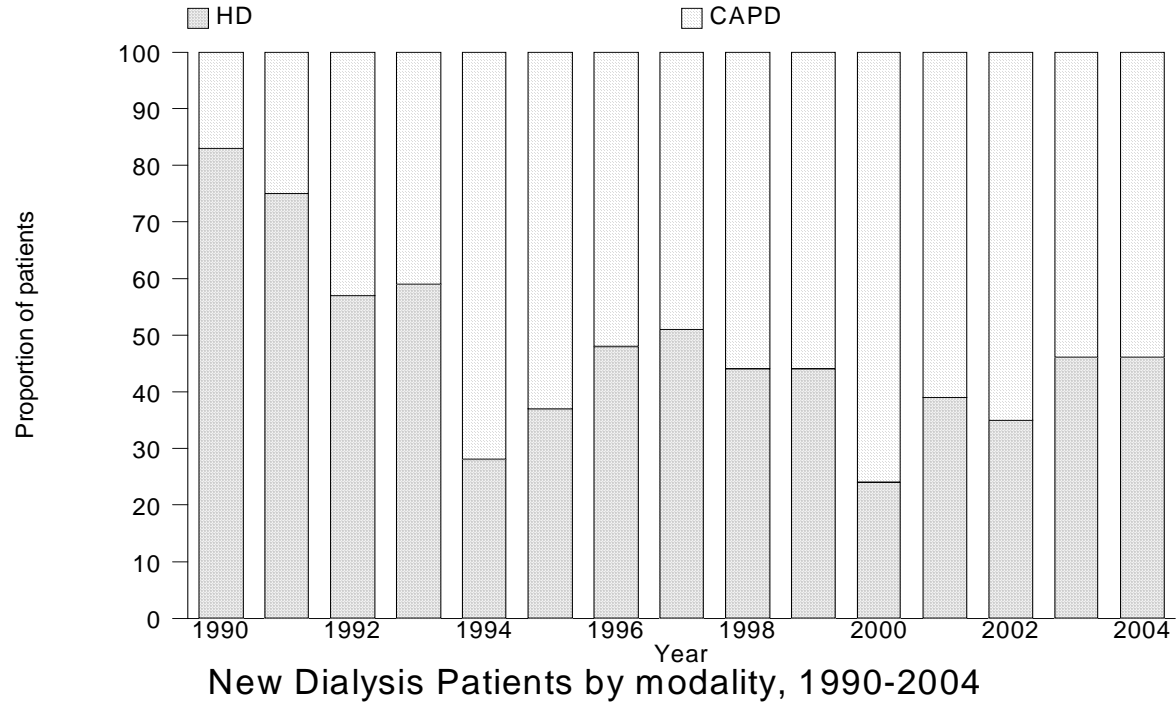
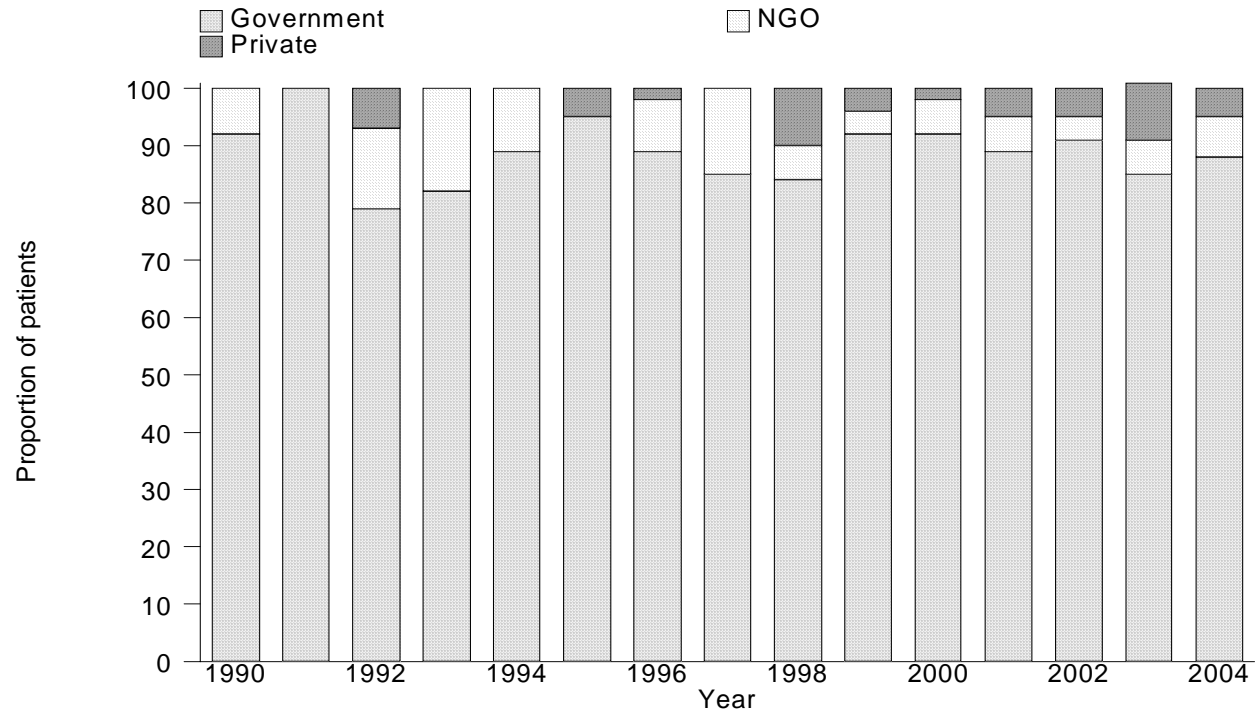


Figure 5.07: New Dialysis by sector 1990-2004



New Dialysis Patients by sector, 1990-2004

Table 5.08: Primary Renal Disease 1990-2004

Primary Renal Disease	Male		Female		All	
	N	%	N	%	N	%
Glomerulonephritis	140	29	98	29	238	29
FSGS	66	14	26	8	92	11
Systemic Lupus Erythematosus	17	4	45	14	62	9
Refux nephropathy	45	9	18	5	63	8
Obstructive uropathy	35	7	6	2	41	5
Renal dysplasia	13	3	11	3	24	3
Hereditary nephritis (Alports)	15 (10)	3 (2)	7 (3)	3 (1)	22 (13)	3 (2)
Cystic kidney disease	4	1	3	1	7	1
Others	5	1	6	2	11	1
Unknown	139	29	103	31	242	30
Total	479		323		802	100

Table 5.09: Types of Renal Transplant 1990-2004

Year	1990-1994		1995-1999		2000-2004	
	No.	%	No.	%	No.	%
Commercial cadaver	1	3	9	20	11	20
Commercial living donor	9	23	2	5	5	9
Living related donor	30	75	31	70	21	39
Cadaver	0	0	2	5	17	31
Living emotionally related	0	0	0	0	0	0
TOTAL	40	100	44	100	54	100

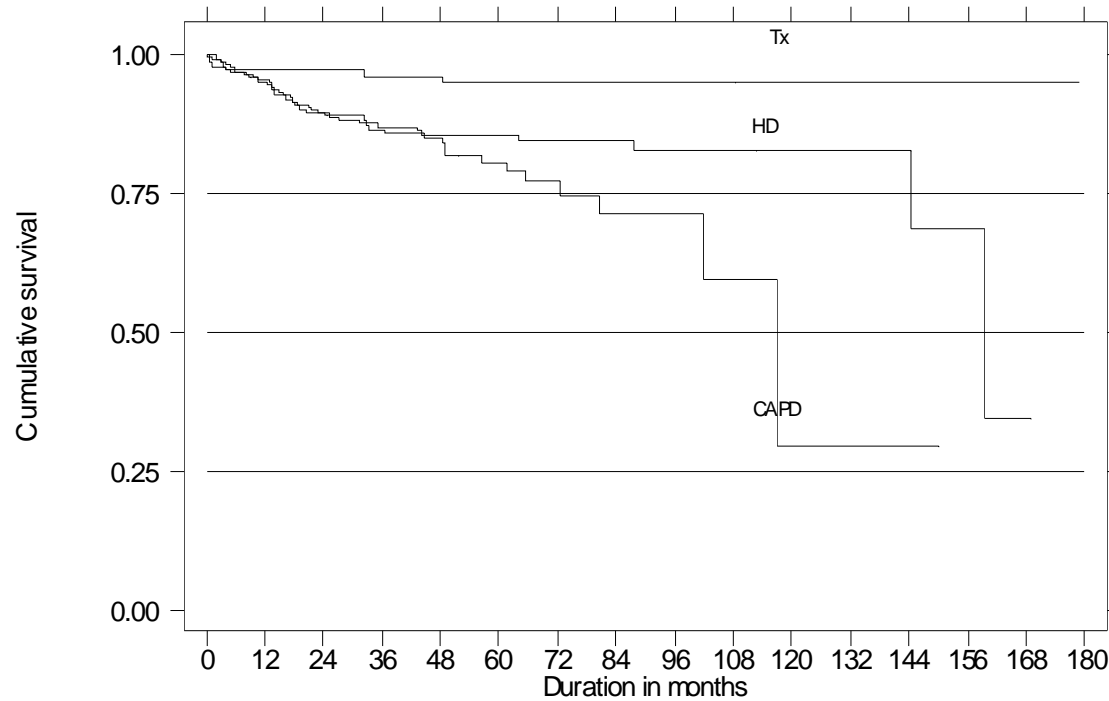
Table 5.10: Patient Survival by Modality of RRT, 1990-2004

Modality Interval (years)	Transplant			CAPD			HD		
	No.	% survival	SE	No.	% survival	SE	No.	% survival	SE
1	116	97	1	284	95	1	236	95	1
5	69	95	2	55	81	3	85	85	2
10	28	95	2	2	30	22	16	82	3
12	12	95	2	2	30	22	8	82	3
14	4	95	2	-	-	-	2	34	25

* No. = Number at risk SE = Standard Error

Figure 5.10: Patient Survival by Modality of RRT, 1990-2004

Kaplan-Meier survival estimates, by modality



Patient survival by Modality 1990-2004

Table 5.11: Dialysis Technique Survival by Modality, 1990-2004

Modality Interval (years)	CAPD			HD		
	No.	% survival	SE	No.	% survival	SE
1	284	90	2	236	92	2
5	55	53	4	85	81	3
10	2	7	6	16	76	3
12	2	7	6	8	76	3
14	-	-	-	2	32	23

* No. = Number at risk SE = Standard Error

Figure 5.11: Dialysis Technique Survival by Modality, 1990-2004

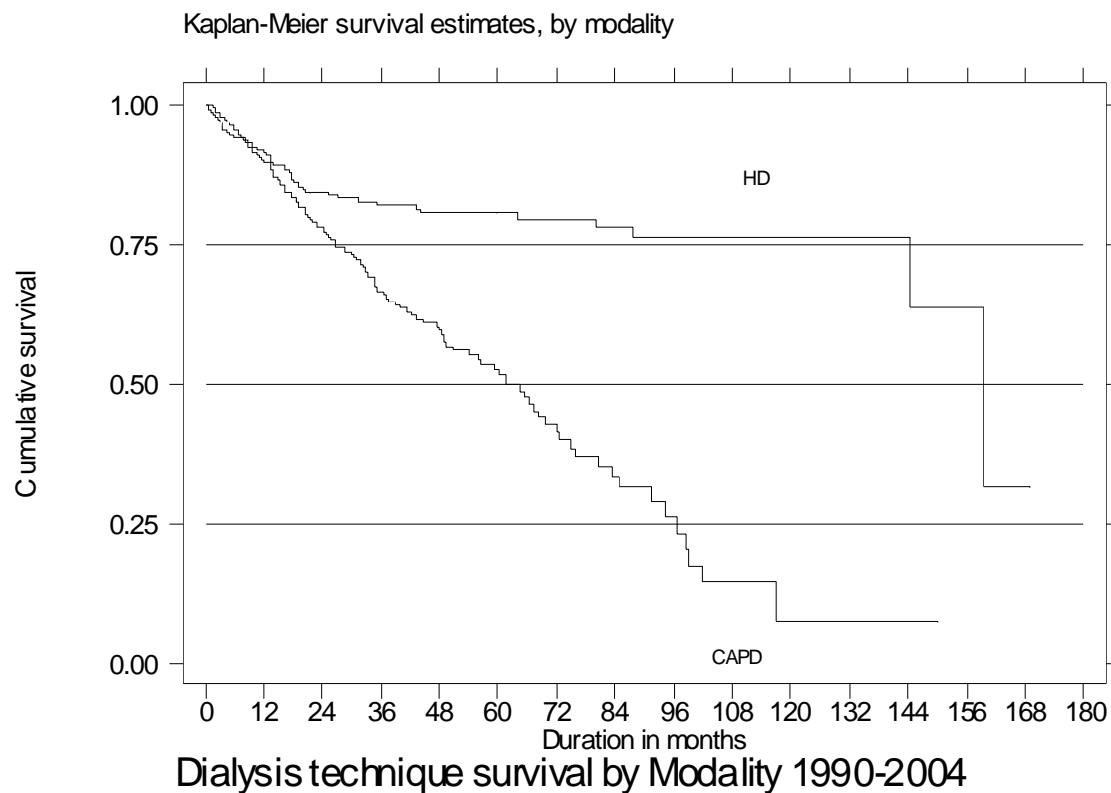


Table 5.12: Transplant Graft Survival 1990-2004

Interval (years)	No.	% survival	SE
1	116	91	3
5	69	80	4
10	28	69	5
12	12	62	7
14	4	37	12

* No. = Number at risk SE = Standard Error

Figure 5.12: Transplant Graft Survival 1990-2004

