

Table 2.1.1: Stock and flow – Dialysis Patients 1980 – 2003

| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 43 | 73 | 104 | 93 | 118 | 106 | 108 | 131 | 162 | 161 | 233 | 247 |
| Died | 6 | 3 | 14 | 22 | 27 | 26 | 47 | 31 | 38 | 65 | 70 | 87 |
| Transplanted | 21 | 21 | 31 | 21 | 26 | 14 | 6 | 35 | 50 | 38 | 43 | 45 |
| Lost to F/U | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 2 |
| Dialysing at 31st Dec | 59 | 124 | 195 | 252 | 334 | 406 | 467 | 543 | 634 | 704 | 838 | 972 |

| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 333 | 339 | 514 | 680 | 939 | 1130 | 1237 | 1538 | 1811 | 2036 | 2223 | 1992 |
| Died | 95 | 102 | 146 | 178 | 222 | 314 | 373 | 486 | 581 | 786 | 874 | 993 |
| Transplanted | 47 | 36 | 45 | 36 | 56 | 59 | 61 | 69 | 106 | 134 | 141 | 103 |
| Lost to F/U | 3 | 2 | 2 | 5 | 5 | 6 | 9 | 7 | 12 | 26 | 43 | 63 |
| Dialysing at 31st Dec | 1178 | 1399 | 1743 | 2230 | 2914 | 3689 | 4519 | 5522 | 6663 | 7775 | 8954 | 9795 |

Table 2.1.2a: Dialysis Treatment Rate per million population 1980 – 2003

| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Acceptance rate | 3 | 5 | 7 | 6 | 8 | 7 | 7 | 8 | 9 | 9 | 13 | 13 |
| Prevalence rate | 4 | 9 | 13 | 17 | 22 | 26 | 29 | 32 | 37 | 40 | 46 | 52 |

| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Acceptance rate | 17 | 17 | 26 | 33 | 44 | 52 | 56 | 68 | 77 | 85 | 91 | 80 |
| Prevalence rate | 62 | 72 | 87 | 108 | 138 | 170 | 204 | 243 | 284 | 324 | 365 | 391 |

Table 2.1.2b: Average Treatment Rate per million population:
Comparing 4 time periods

| | 1980-1989 | 1990-1994 | 1995-1999 | 2000-2002 |
|------------------------------|-----------|-----------|-----------|-----------|
| New Dialysis Acceptance rate | 7 | 17 | 51 | 84 |
| Dialysis Prevalence rate | 23 | 64 | 173 | 324 |
| | | | | |

Figure 2.1.2b: New Dialysis Treatment Rate per million population, Comparing 4 periods

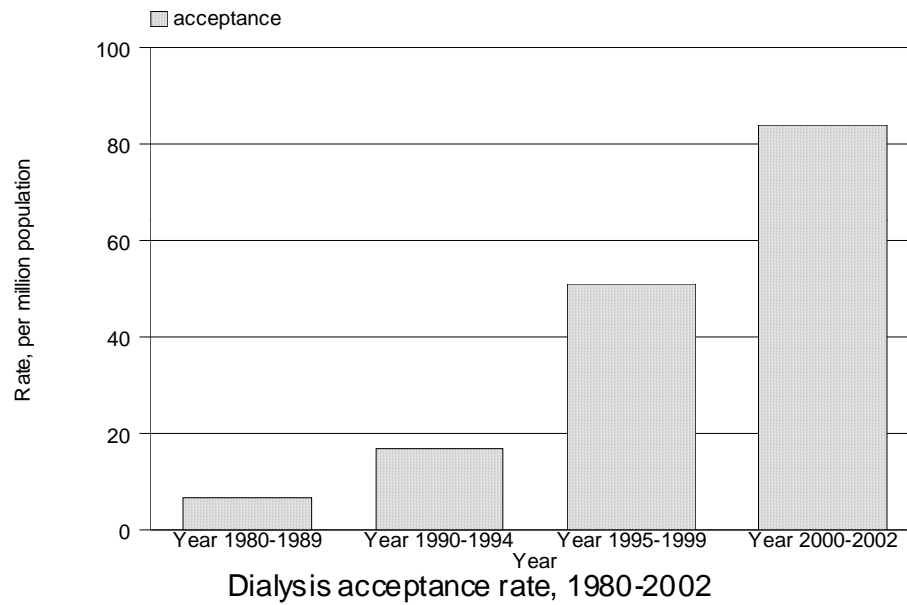


Figure 2.1.2c: Dialysis Prevalence Rate per million population, Comparing 4 periods

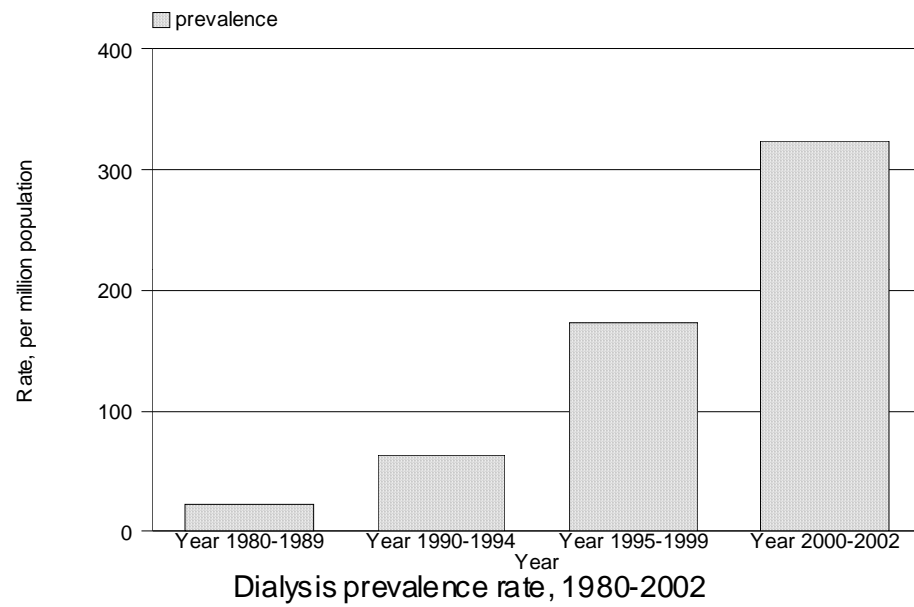


Table 2.2.1: Dialysis Treatment Rate by State, per million state population, 1980-2003

| State | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Negeri Melaka | 6 | 4 | 4 | 6 | 8 | 10 | 2 | 10 | 4 | 13 | 22 | 20 |
| Johor Darul Takzim | 2 | 5 | 7 | 3 | 4 | 5 | 3 | 4 | 9 | 10 | 15 | 17 |
| Negeri Sembilan | 2 | 3 | 12 | 8 | 8 | 2 | 12 | 15 | 6 | 3 | 7 | 17 |
| Pulau Pinang | 5 | 5 | 9 | 3 | 7 | 10 | 5 | 12 | 7 | 15 | 17 | 11 |
| Selangor & W.Persekutuan | 21 | 32 | 38 | 33 | 40 | 31 | 33 | 36 | 46 | 68 | 28 | 32 |
| Perak Darul Redzuan | 2 | 5 | 6 | 5 | 8 | 8 | 8 | 7 | 8 | 12 | 14 | 16 |
| Terengganu Darul Iman | 0 | 2 | 5 | 0 | 0 | 0 | 1 | 3 | 4 | 4 | 6 | 4 |
| Kedah & Perlis | 2 | 2 | 2 | 3 | 9 | 4 | 4 | 5 | 6 | 2 | 3 | 5 |
| Kelantan Darul Naim | 0 | 0 | 0 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 5 | 2 |
| Sarawak | 1 | 2 | 3 | 6 | 5 | 7 | 8 | 7 | 9 | 13 | 12 | 11 |
| Pahang Darul Makmur | 4 | 4 | 1 | 3 | 5 | 3 | 5 | 10 | 5 | 4 | 10 | 8 |
| Sabah | 0 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 1 | 8 | 11 |

| State | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Negeri Melaka | 40 | 32 | 69 | 74 | 82 | 95 | 111 | 91 | 147 | 151 | 145 | 95 |
| Johor Darul Takzim | 18 | 27 | 45 | 42 | 57 | 79 | 71 | 104 | 131 | 136 | 145 | 125 |
| Negeri Sembilan | 19 | 30 | 39 | 48 | 74 | 73 | 90 | 94 | 116 | 113 | 133 | 123 |
| Pulau Pinang | 14 | 16 | 30 | 73 | 70 | 85 | 109 | 124 | 102 | 120 | 130 | 86 |
| Selangor & W.Persekutuan | 39 | 32 | 40 | 63 | 82 | 76 | 90 | 102 | 121 | 116 | 122 | 105 |
| Perak Darul Redzuan | 19 | 24 | 28 | 28 | 57 | 62 | 64 | 75 | 106 | 101 | 110 | 91 |
| Terengganu Darul Iman | 4 | 16 | 15 | 18 | 27 | 37 | 34 | 36 | 37 | 76 | 87 | 66 |
| Kedah & Perlis | 18 | 12 | 19 | 18 | 26 | 54 | 47 | 59 | 68 | 64 | 85 | 72 |
| Kelantan Darul Naim | 2 | 5 | 7 | 10 | 6 | 11 | 15 | 26 | 31 | 59 | 60 | 65 |
| Sarawak | 16 | 13 | 21 | 20 | 36 | 46 | 33 | 44 | 51 | 67 | 58 | 55 |
| Pahang Darul Makmur | 14 | 12 | 13 | 20 | 17 | 44 | 36 | 47 | 48 | 52 | 51 | 60 |
| Sabah | 7 | 4 | 11 | 12 | 18 | 16 | 24 | 32 | 25 | 36 | 35 | 39 |

Table 2.2.2: Dialysis Treatment Rate by State, per million state population over 4 periods

| State | 1980-89 | 1990-94 | 1995-99 | 2000-02 |
|--------------------------|---------|---------|---------|---------|
| Negeri Melaka | 7 | 41 | 91 | 148 |
| Johor Darul Takzim | 5 | 25 | 71 | 137 |
| Negeri Sembilan | 7 | 23 | 76 | 121 |
| Pulau Pinang | 8 | 18 | 92 | 117 |
| Selangor & W.Persekutuan | 38 | 36 | 83 | 120 |
| Perak Darul Redzuan | 7 | 21 | 57 | 106 |
| Terengganu Darul Iman | 2 | 9 | 30 | 67 |
| Kedah & Perlis | 4 | 14 | 41 | 72 |
| Kelantan Darul Naim | 2 | 4 | 14 | 50 |
| Sarawak | 6 | 16 | 36 | 59 |
| Pahang Darul Makmur | 4 | 13 | 33 | 50 |
| Sabah | 2 | 7 | 20 | 32 |

Table 2.2.3: Classification of level of provision

| State | 2000-02 | Level of provision 2000 -2002 |
|-----------------------------|---------|----------------------------------|
| Negeri Melaka | 148 | High (>100 pmp) |
| Johor Darul Takzim | 137 | |
| Negeri Sembilan | 121 | |
| Selangor & W.Persekutuan | 120 | |
| Pulau Pinang | 117 | |
| Perak Darul Redzuan | 106 | |
| Kedah & Perlis | 72 | Mid (>50-100 pmp) |
| Terengganu Darul Iman | 67 | |
| Sarawak | 59 | |
| Kelantan Darul Naim | 50 | Low <=50 pmp) |
| Pahang Darul Makmur | 50 | |
| Sabah | 32 | |

Table 2.2.4: Average Dialysis Treatment Rate per million state population (pmp) over 4 periods in Low, Mid and High provision states, 1980-2002

| | 1980-1989 | 1990-1994 | 1995-1999 | 2000-2002 |
|------------------------------------|-----------|-----------|-----------|-----------|
| High provision states (>100 pmp) | 12 | 27 | 78 | 125 |
| Mid provision states (>50-100 pmp) | 4 | 13 | 36 | 66 |
| Low provision states (<=50 pmp) | 3 | 8 | 22 | 44 |

Figure 2.2.4: Average Dialysis Treatment Rate per million state population (pmp) over 4 periods in Low (<=50 pmp), Mid (50-100 pmp) and High (>100 pmp) provision states, 1980-2002

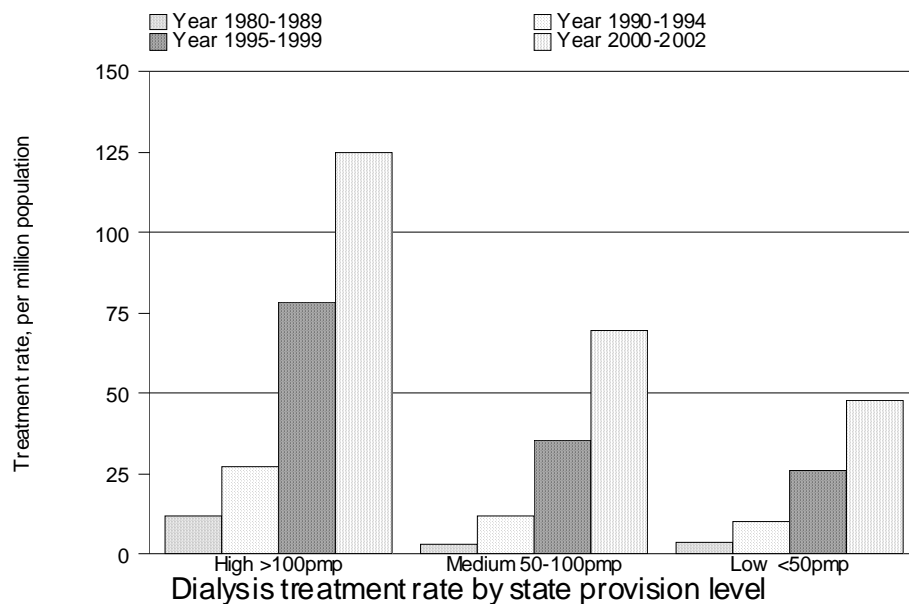


Table 2.3.1: Dialysis Treatment Rate by Gender, per million male or female population 1980– 2003

| Gender | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| Male | 6 | 8 | 10 | 8 | 12 | 10 | 10 | 12 | 14 | 13 | 18 | 18 |
| Female | 2 | 5 | 6 | 6 | 7 | 5 | 6 | 7 | 8 | 9 | 11 | 13 |

| Gender | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| Male | 22 | 23 | 34 | 39 | 51 | 62 | 62 | 81 | 91 | 95 | 105 | 95 |
| Female | 17 | 17 | 24 | 32 | 45 | 50 | 56 | 61 | 72 | 87 | 90 | 74 |

Figure 2.3.1: Dialysis Treatment by Gender 1980 – 2003



Table 2.3.2: Gender distribution of Dialysis Patients 1980-2003

| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 43 | 73 | 104 | 93 | 118 | 106 | 108 | 131 | 162 | 161 | 233 | 247 |
| % Male | 70 | 60 | 63 | 58 | 63 | 66 | 62 | 61 | 64 | 61 | 61 | 60 |
| % Female | 30 | 40 | 37 | 42 | 37 | 34 | 38 | 39 | 36 | 39 | 39 | 40 |
| Dialysing at 31 st December | 59 | 124 | 195 | 252 | 334 | 406 | 467 | 543 | 634 | 704 | 838 | 972 |
| % Male | 73 | 67 | 66 | 63 | 62 | 62 | 63 | 61 | 62 | 63 | 63 | 62 |
| % Female | 27 | 33 | 34 | 37 | 38 | 38 | 37 | 39 | 38 | 37 | 37 | 38 |

| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 333 | 339 | 514 | 680 | 939 | 1130 | 1237 | 1538 | 1811 | 2036 | 2223 | 1992 |
| % Male | 59 | 57 | 59 | 56 | 54 | 57 | 54 | 58 | 57 | 53 | 55 | 58 |
| % Female | 41 | 43 | 41 | 44 | 46 | 43 | 46 | 42 | 43 | 47 | 45 | 42 |
| Dialysing at 31 st December | 1178 | 1399 | 1743 | 2230 | 2914 | 3689 | 4519 | 5522 | 6663 | 7775 | 8954 | 9795 |
| % Male | 61 | 60 | 60 | 59 | 57 | 57 | 56 | 56 | 56 | 55 | 55 | 55 |
| % Female | 39 | 40 | 40 | 41 | 43 | 43 | 44 | 44 | 44 | 45 | 45 | 45 |

Figure 2.3.2: Gender Distribution of New Dialysis patients 1980 – 2003

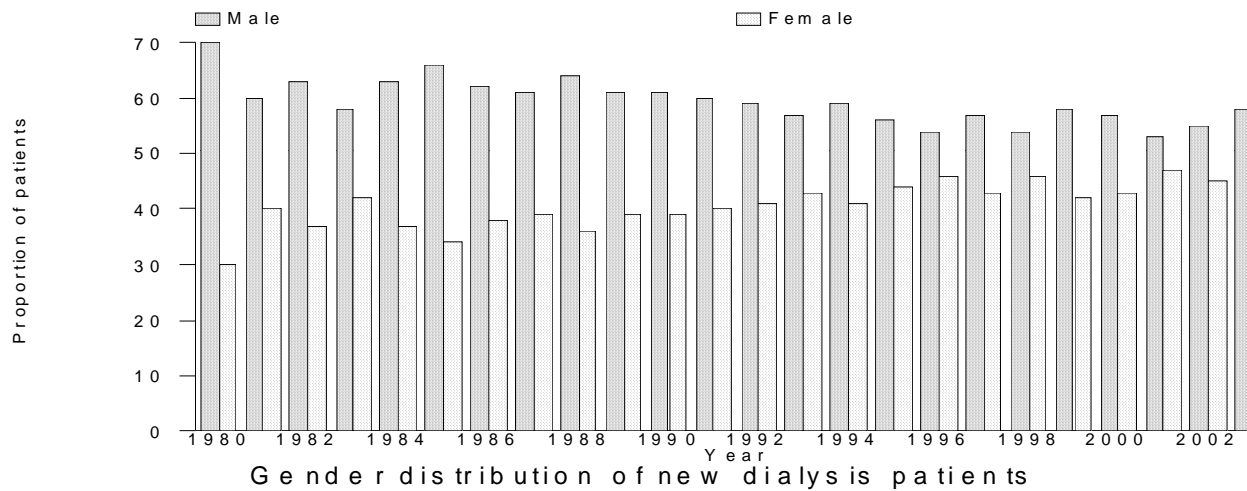


Table 2.4.1: Dialysis Treatment Rate by Age Group, per million age group population 1980 – 2003

| Age groups (years) | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1-14 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 15-24 | 2 | 4 | 5 | 4 | 3 | 3 | 2 | 5 | 5 | 6 | 7 | 7 |
| 25-34 | 9 | 11 | 15 | 13 | 20 | 12 | 10 | 14 | 18 | 13 | 18 | 22 |
| 35-44 | 10 | 22 | 26 | 18 | 24 | 20 | 21 | 26 | 31 | 27 | 27 | 32 |
| 45-54 | 7 | 13 | 21 | 21 | 24 | 19 | 29 | 31 | 18 | 33 | 59 | 55 |
| 55-64 | 10 | 6 | 8 | 18 | 19 | 27 | 30 | 20 | 39 | 30 | 40 | 45 |
| >=65 | 2 | 4 | 6 | 0 | 5 | 14 | 7 | 5 | 8 | 12 | 21 | 19 |

| Age groups (years) | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1-14 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 15-24 | 6 | 5 | 9 | 10 | 13 | 15 | 15 | 16 | 18 | 22 | 28 | 21 |
| 25-34 | 22 | 23 | 19 | 31 | 39 | 39 | 40 | 43 | 46 | 46 | 50 | 41 |
| 35-44 | 35 | 37 | 51 | 58 | 67 | 80 | 81 | 85 | 98 | 100 | 98 | 78 |
| 45-54 | 66 | 59 | 88 | 121 | 154 | 166 | 172 | 225 | 245 | 244 | 258 | 223 |
| 55-64 | 90 | 67 | 141 | 156 | 226 | 289 | 306 | 370 | 429 | 502 | 511 | 440 |
| >=65 | 25 | 58 | 81 | 111 | 167 | 214 | 230 | 299 | 343 | 428 | 479 | 436 |

Table 2.4.2: Percentage Age Distribution of Dialysis Patients 1980 – 2003

| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| New dialysis patients | 43 | 73 | 104 | 93 | 118 | 106 | 108 | 131 | 162 | 161 | 233 | 247 |
| % 1-14 years | 2 | 5 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 0 |
| % 15-24 years | 14 | 11 | 14 | 13 | 5 | 8 | 6 | 9 | 7 | 9 | 11 | 9 |
| % 25-34 years | 26 | 26 | 24 | 26 | 34 | 24 | 19 | 22 | 25 | 22 | 19 | 21 |
| % 35-44 years | 26 | 33 | 34 | 27 | 27 | 27 | 29 | 29 | 31 | 26 | 19 | 23 |
| % 45-54 years | 16 | 16 | 20 | 23 | 19 | 15 | 26 | 25 | 14 | 24 | 31 | 28 |
| % 55-64 years | 14 | 5 | 5 | 12 | 11 | 17 | 16 | 11 | 18 | 14 | 14 | 15 |
| % ≥ 65 years | 2 | 3 | 3 | 0 | 3 | 8 | 4 | 2 | 3 | 4 | 6 | 5 |
| | | | | | | | | | | | | |
| Dialysing at 31 st December | 59 | 124 | 195 | 252 | 334 | 406 | 467 | 543 | 634 | 704 | 838 | 972 |
| % 1-14 years | 2 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| % 15-24 years | 22 | 14 | 12 | 12 | 10 | 9 | 9 | 9 | 7 | 8 | 8 | 8 |
| % 25-34 years | 22 | 23 | 23 | 22 | 27 | 26 | 25 | 24 | 25 | 24 | 23 | 24 |
| % 35-44 years | 25 | 33 | 36 | 35 | 31 | 32 | 31 | 31 | 33 | 32 | 30 | 30 |
| % 45-54 years | 17 | 17 | 19 | 20 | 20 | 18 | 20 | 21 | 20 | 20 | 23 | 23 |
| % 55-64 years | 10 | 7 | 6 | 9 | 9 | 11 | 12 | 11 | 12 | 12 | 12 | 12 |
| % ≥65 years | 2 | 2 | 2 | 1 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 3 |

Table 2.4.2: Percentage Age Distribution of Dialysis Patients 1980 – 2003

| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| New dialysis patients | 333 | 339 | 514 | 680 | 939 | 1130 | 1237 | 1538 | 1811 | 2036 | 2223 | 1992 |
| % 1-14 years | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 |
| % 15-24 years | 5 | 5 | 6 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 4 |
| % 25-34 years | 18 | 19 | 10 | 14 | 13 | 10 | 11 | 9 | 9 | 7 | 8 | 7 |
| % 35-44 years | 20 | 23 | 22 | 19 | 17 | 18 | 17 | 16 | 16 | 14 | 13 | 12 |
| % 45-54 years | 27 | 23 | 24 | 27 | 25 | 24 | 24 | 27 | 27 | 25 | 25 | 25 |
| % 55-64 years | 23 | 17 | 25 | 22 | 24 | 26 | 27 | 26 | 27 | 29 | 28 | 28 |
| % ≥ 65 years | 5 | 11 | 11 | 12 | 14 | 15 | 15 | 16 | 17 | 19 | 21 | 22 |
| | | | | | | | | | | | | |
| Dialysing at 31 st December | 1178 | 1399 | 1743 | 2230 | 2914 | 3689 | 4519 | 5522 | 6663 | 7775 | 8954 | 9795 |
| % 1-14 years | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| % 15-24 years | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| % 25-34 years | 23 | 23 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 12 |
| % 35-44 years | 28 | 28 | 27 | 26 | 24 | 23 | 22 | 21 | 20 | 20 | 19 | 18 |
| % 45-54 years | 24 | 23 | 23 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 25 | 26 |
| % 55-64 years | 14 | 14 | 16 | 17 | 19 | 20 | 21 | 22 | 22 | 23 | 24 | 24 |
| % ≥65 years | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 14 |

Figure 2.4.2a: Age Distribution of New Dialysis patients 1980 – 2003

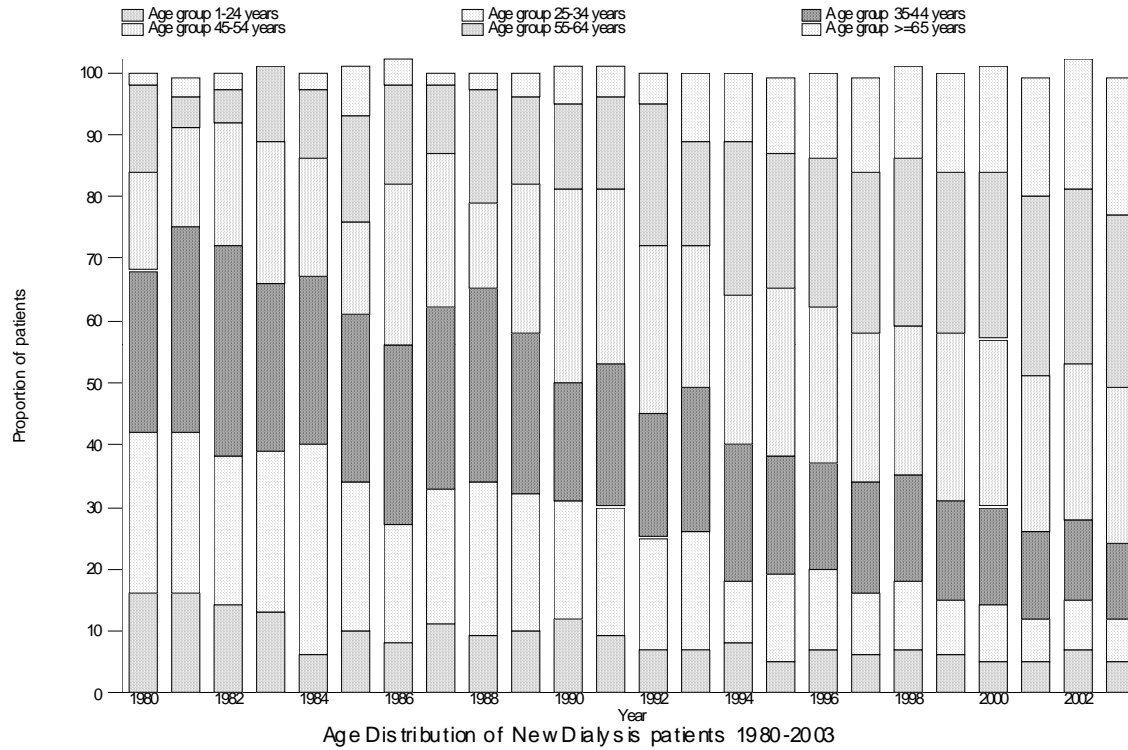


Figure 2.4.2b: Age Distribution of Dialysing patients at 31st December 1980 – 2003

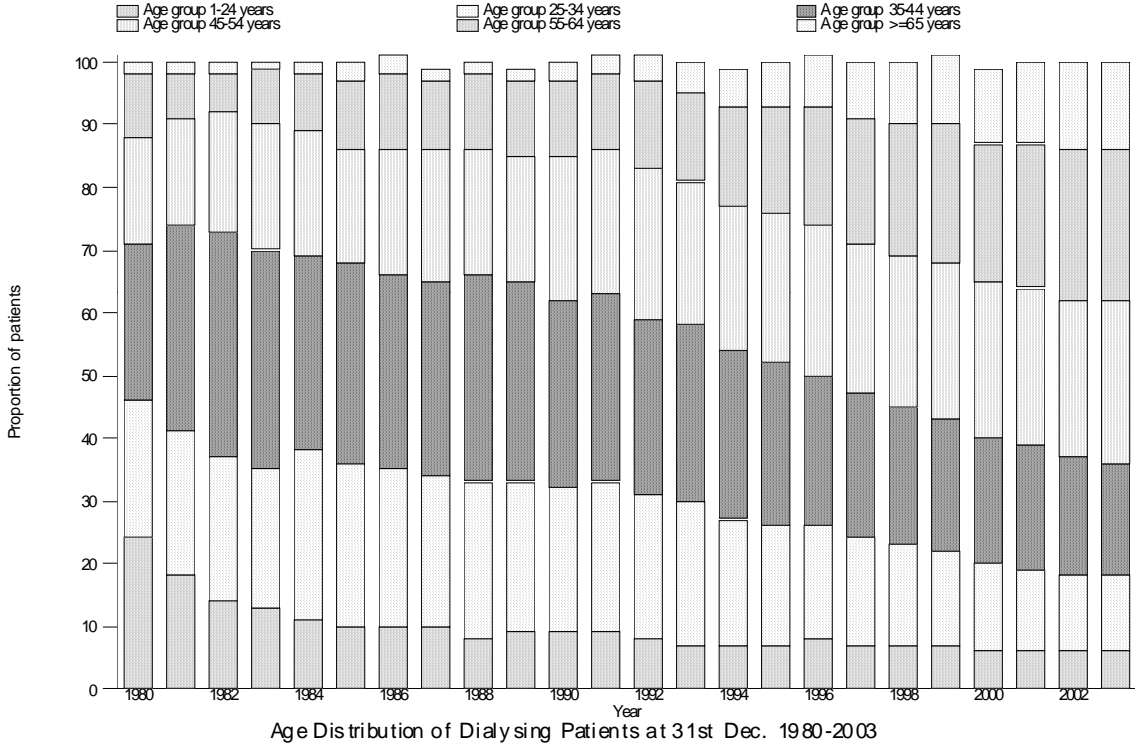


Table 2.5.1: Method and Location of Dialysis 1980 - 2003

| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 43 | 73 | 104 | 93 | 118 | 106 | 108 | 131 | 162 | 161 | 233 | 247 |
| % Centre HD | 53 | 65 | 55 | 42 | 31 | 26 | 40 | 50 | 51 | 58 | 52 | 57 |
| % Home and office HD | 44 | 31 | 42 | 49 | 43 | 57 | 47 | 33 | 35 | 32 | 29 | 20 |
| % CAPD | 2 | 4 | 3 | 9 | 26 | 17 | 13 | 17 | 14 | 10 | 19 | 23 |
| | | | | | | | | | | | | |
| Dialysing at 31 st December | 59 | 124 | 195 | 252 | 334 | 406 | 467 | 543 | 634 | 704 | 838 | 972 |
| % Centre HD | 55 | 59 | 52 | 50 | 44 | 42 | 44 | 47 | 48 | 54 | 55 | 57 |
| % Home and office HD | 45 | 39 | 45 | 46 | 45 | 48 | 47 | 44 | 42 | 39 | 36 | 32 |
| % CAPD | 0 | 2 | 3 | 4 | 11 | 10 | 9 | 9 | 9 | 7 | 9 | 12 |

| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 333 | 339 | 514 | 680 | 939 | 1130 | 1237 | 1538 | 1811 | 2036 | 2223 | 1992 |
| % Centre HD | 60 | 70 | 68 | 72 | 74 | 81 | 86 | 85 | 87 | 84 | 85 | 81 |
| % Home and office HD | 16 | 12 | 10 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| % CAPD | 24 | 18 | 22 | 23 | 22 | 16 | 12 | 13 | 11 | 14 | 14 | 19 |
| | | | | | | | | | | | | |
| Dialysing at 31 st December | 1178 | 1399 | 1743 | 2230 | 2914 | 3689 | 4519 | 5522 | 6663 | 7775 | 8954 | 9795 |
| % Centre HD | 60 | 65 | 68 | 72 | 75 | 79 | 82 | 85 | 87 | 87 | 87 | 87 |
| % Home and office HD | 27 | 21 | 18 | 13 | 10 | 8 | 6 | 5 | 4 | 3 | 3 | 2 |
| % CAPD | 14 | 14 | 14 | 15 | 15 | 14 | 12 | 11 | 10 | 10 | 10 | 11 |

Figure 2.5.1: Method and Location of New Dialysis Patients 1980 - 2003

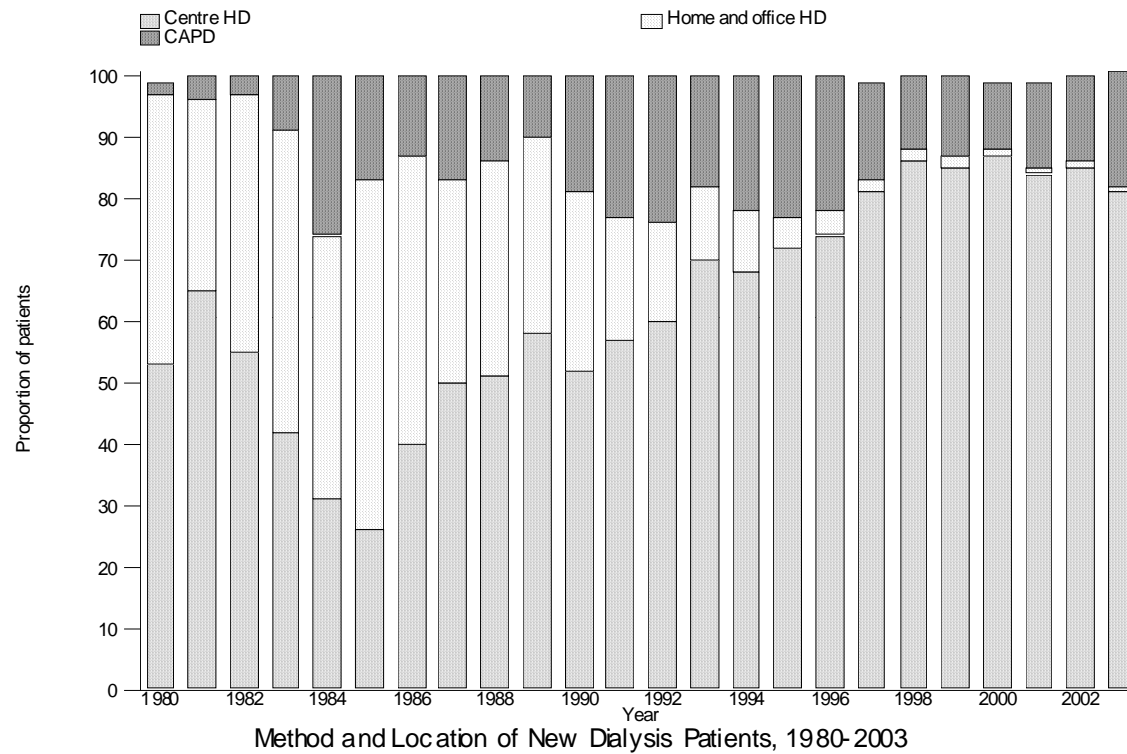
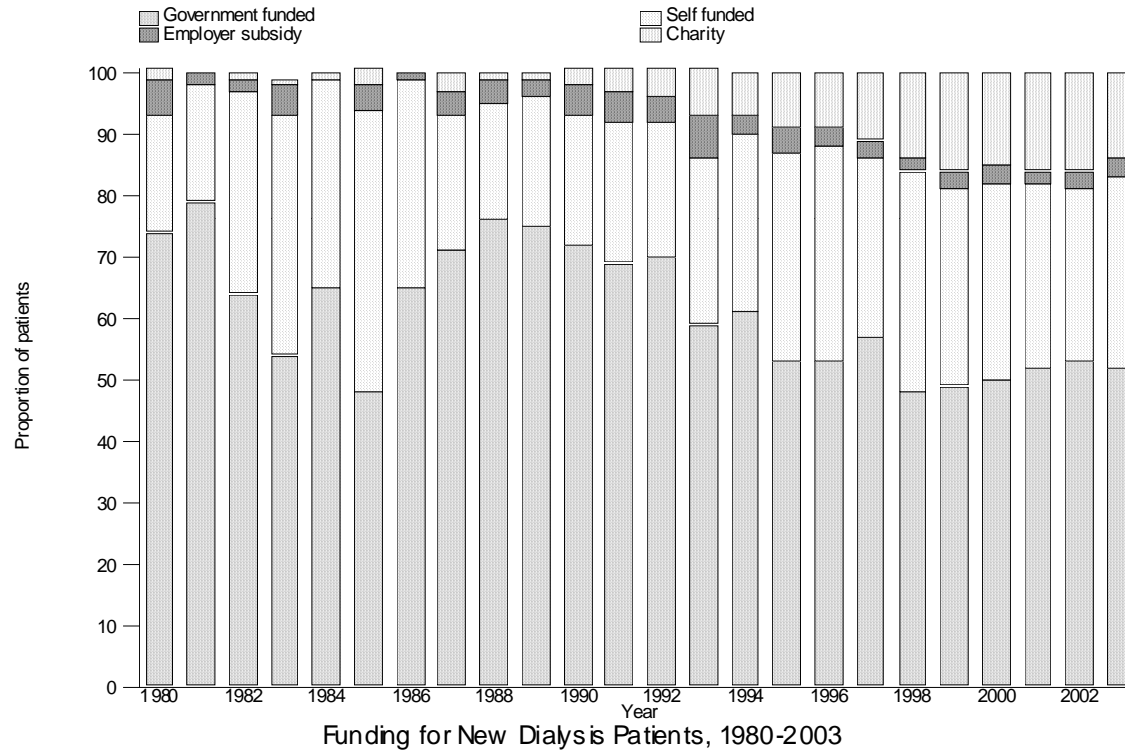


Table 2.6.1: Funding for Dialysis Treatment 1980 – 2003

| | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| New Dialysis patients | 43 | 73 | 104 | 93 | 118 | 106 | 108 | 131 | 162 | 161 | 233 | 247 |
| % by Government | 74 | 79 | 64 | 54 | 65 | 48 | 65 | 71 | 76 | 75 | 72 | 69 |
| % self funded | 19 | 19 | 33 | 39 | 34 | 46 | 34 | 22 | 19 | 21 | 21 | 23 |
| % subsidized by Employer | 6 | 2 | 2 | 5 | 0 | 4 | 1 | 4 | 4 | 3 | 5 | 5 |
| % by Charity | 2 | 0 | 1 | 1 | 1 | 3 | 0 | 3 | 1 | 1 | 3 | 4 |
| | | | | | | | | | | | | |
| Dialysing at 31 st December | 59 | 124 | 195 | 252 | 334 | 406 | 467 | 543 | 634 | 704 | 838 | 972 |
| % by Government | 62 | 68 | 62 | 59 | 59 | 56 | 58 | 59 | 62 | 65 | 67 | 66 |
| % self funded | 29 | 27 | 34 | 35 | 37 | 39 | 37 | 35 | 32 | 28 | 26 | 25 |
| % subsidized by Employer | 5 | 3 | 3 | 5 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |
| % by Charity | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 |
| | | | | | | | | | | | | |
| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
| New Dialysis patients | 333 | 339 | 514 | 680 | 939 | 1130 | 1237 | 1538 | 1811 | 2036 | 2223 | 1992 |
| % by Government | 70 | 59 | 61 | 53 | 53 | 57 | 48 | 49 | 50 | 52 | 53 | 52 |
| % self funded | 22 | 27 | 29 | 34 | 35 | 29 | 36 | 32 | 32 | 30 | 28 | 31 |
| % subsidized by Employer | 4 | 7 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| % by Charity | 5 | 8 | 7 | 9 | 9 | 11 | 14 | 16 | 15 | 16 | 16 | 14 |
| | | | | | | | | | | | | |
| Dialysing at 31 st December | 1178 | 1399 | 1743 | 2230 | 2914 | 3689 | 4519 | 5522 | 6663 | 7775 | 8954 | 9795 |
| % by Government | 68 | 65 | 65 | 61 | 58 | 57 | 54 | 52 | 51 | 51 | 52 | 52 |
| % self funded | 23 | 24 | 24 | 26 | 29 | 29 | 30 | 31 | 30 | 30 | 28 | 28 |
| % subsidized by Employer | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 |
| % by Charity | 4 | 6 | 6 | 8 | 9 | 10 | 12 | 14 | 15 | 16 | 16 | 16 |

Figure 2.6.1: Funding for Dialysis Treatment 1980 – 2003

(a): Funding for New Dialysis Patients 1980 – 2003



(b): Funding for Dialysing patients at 31st December 1980 – 2003

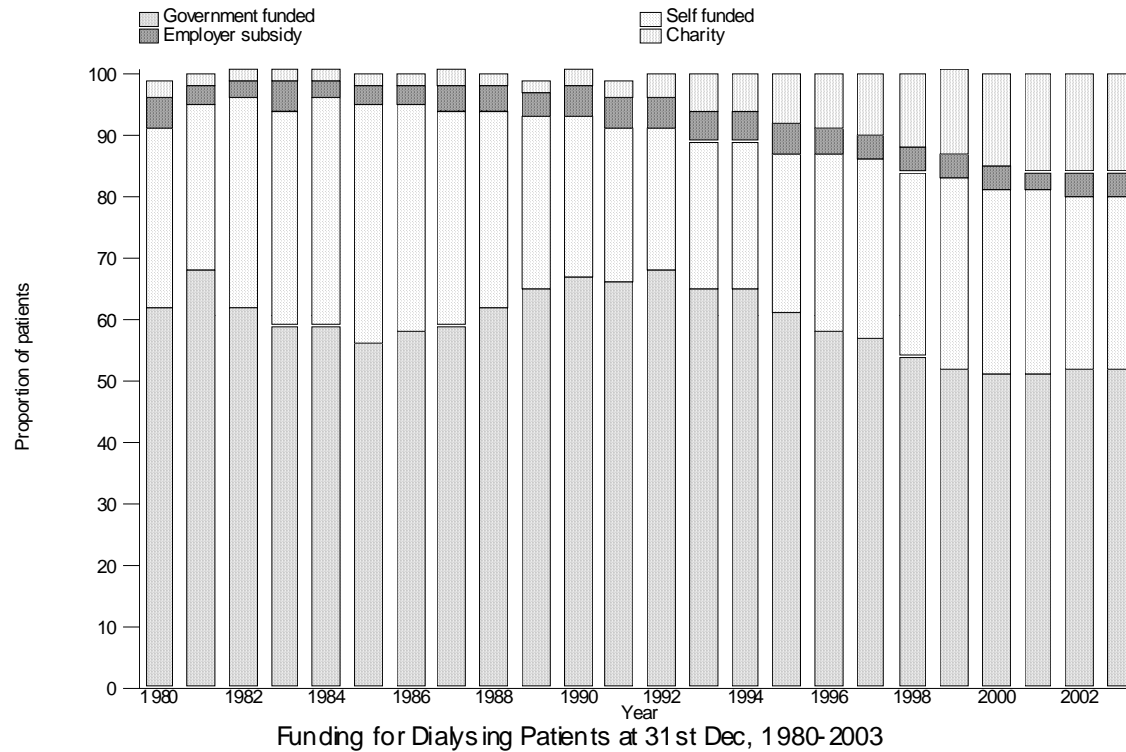


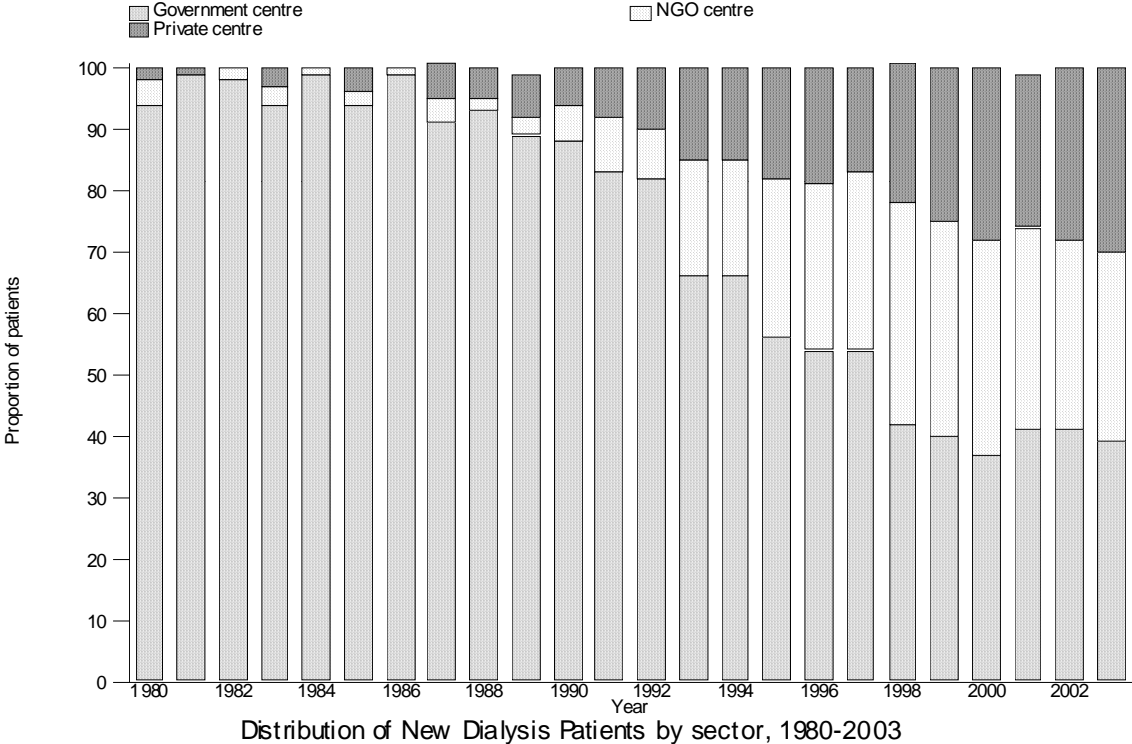
Table 2.7.1: Distribution of Dialysis Patients by Sector 1980 - 2003

| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 43 | 73 | 104 | 93 | 118 | 106 | 108 | 131 | 162 | 161 | 233 | 247 |
| % Government centre | 94 | 99 | 98 | 94 | 99 | 94 | 99 | 91 | 93 | 89 | 88 | 83 |
| % NGO centre | 4 | 0 | 2 | 3 | 1 | 2 | 1 | 4 | 2 | 3 | 6 | 9 |
| % Private centre | 2 | 1 | 0 | 3 | 0 | 4 | 0 | 6 | 5 | 7 | 6 | 8 |
| | | | | | | | | | | | | |
| Dialysing at 31 st December | 59 | 124 | 195 | 252 | 334 | 406 | 467 | 543 | 634 | 704 | 838 | 972 |
| % Government centre | 92 | 95 | 96 | 94 | 95 | 94 | 95 | 93 | 92 | 90 | 88 | 85 |
| % NGO centre | 5 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 |
| % Private centre | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 5 | 6 | 7 | 8 |

| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 333 | 339 | 514 | 680 | 939 | 1130 | 1237 | 1538 | 1811 | 2036 | 2223 | 1992 |
| % Government centre | 82 | 66 | 66 | 56 | 54 | 54 | 42 | 40 | 37 | 41 | 41 | 39 |
| % NGO centre | 8 | 19 | 19 | 26 | 27 | 29 | 36 | 35 | 35 | 33 | 31 | 31 |
| % Private centre | 10 | 15 | 15 | 18 | 19 | 17 | 23 | 25 | 28 | 25 | 28 | 30 |
| | | | | | | | | | | | | |
| Dialysing at 31 st December | 1178 | 1399 | 1743 | 2230 | 2914 | 3689 | 4519 | 5522 | 6663 | 7775 | 8954 | 9795 |
| % Government centre | 82 | 76 | 72 | 65 | 60 | 56 | 51 | 46 | 43 | 42 | 41 | 40 |
| % NGO centre | 8 | 12 | 15 | 20 | 24 | 27 | 30 | 32 | 34 | 35 | 35 | 35 |
| % Private centre | 10 | 11 | 13 | 15 | 17 | 17 | 19 | 22 | 23 | 23 | 24 | 25 |

Figure 2.7.1: Distribution of Dialysis Patients by Sector 1980 – 2003

(a): Distribution of New Dialysis Patients by Sector 1980 – 2003



(b): Distribution of Dialysing Patients at 31st December by Sector 1980 – 2003

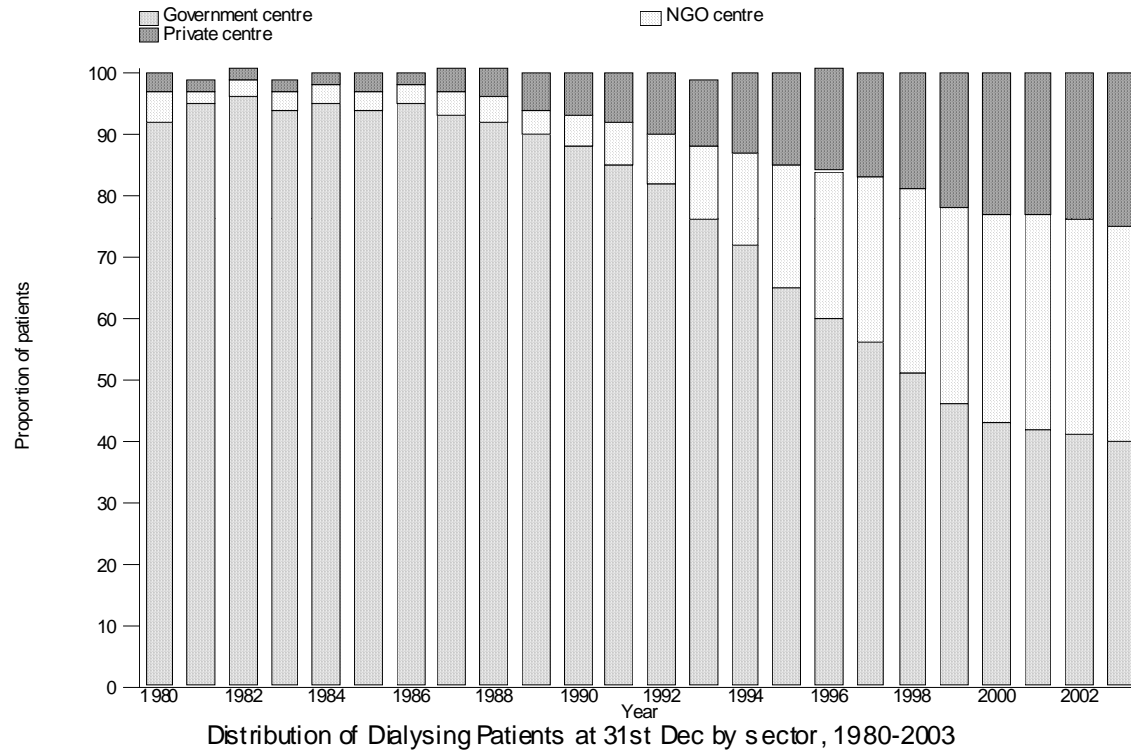
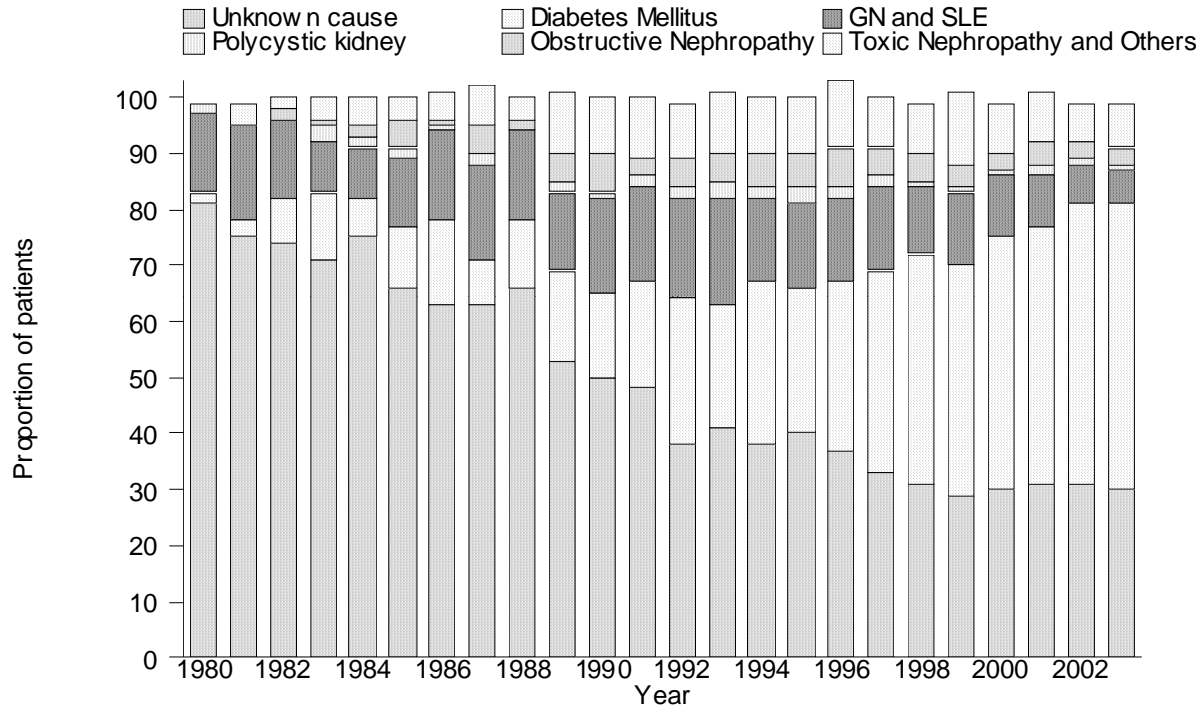


Table 2.8.1: Primary Renal Disease 1980– 2003

| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 43 | 73 | 104 | 93 | 118 | 106 | 108 | 131 | 162 | 161 | 233 | 247 |
| % Unknown cause | 81 | 75 | 74 | 71 | 75 | 66 | 63 | 63 | 66 | 53 | 50 | 48 |
| % Diabetes Mellitus | 2 | 3 | 8 | 12 | 7 | 11 | 15 | 8 | 12 | 16 | 15 | 19 |
| % GN | 14 | 16 | 14 | 9 | 9 | 11 | 14 | 16 | 15 | 13 | 16 | 16 |
| % SLE | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 1 |
| % Polycystic kidney | 2 | 0 | 0 | 3 | 2 | 2 | 1 | 2 | 0 | 2 | 1 | 2 |
| % Obstructive Nephropathy | 0 | 0 | 2 | 1 | 2 | 5 | 1 | 5 | 2 | 5 | 7 | 3 |
| % Toxic Nephropathy | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| % Others | 0 | 4 | 2 | 3 | 5 | 4 | 5 | 6 | 4 | 10 | 10 | 11 |

| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| New Dialysis patients | 333 | 339 | 514 | 680 | 939 | 1130 | 1237 | 1538 | 1811 | 2036 | 2223 | 1992 |
| % Unknown cause | 38 | 41 | 38 | 40 | 37 | 33 | 31 | 29 | 30 | 31 | 31 | 30 |
| % Diabetes Mellitus | 26 | 22 | 29 | 26 | 30 | 36 | 41 | 41 | 45 | 46 | 50 | 51 |
| % GN | 17 | 17 | 13 | 13 | 13 | 13 | 11 | 11 | 9 | 7 | 6 | 5 |
| % SLE | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 |
| % Polycystic kidney | 2 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 |
| % Obstructive Nephropathy | 5 | 5 | 6 | 6 | 7 | 5 | 5 | 4 | 3 | 4 | 3 | 3 |
| % Toxic Nephropathy | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| % Others | 10 | 10 | 10 | 10 | 11 | 9 | 9 | 12 | 9 | 8 | 7 | 8 |

Figure 2.8.1: Primary Renal Disease for New Dialysis Patients 1980– 2003



Primary Renal Disease of New Dialysis Patients, 1980-2003

Table 2.9.1: Deaths on Dialysis 1980 – 2003

| Year | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| No. of dialysis patients at risk | 59 | 92 | 160 | 224 | 293 | 370 | 437 | 505 | 589 | 669 | 771 | 905 |
| Dialysis deaths | 6 | 3 | 14 | 22 | 27 | 26 | 47 | 31 | 38 | 65 | 70 | 87 |
| Dialysis death rate % | 10 | 3 | 9 | 10 | 9 | 7 | 11 | 6 | 6 | 10 | 9 | 10 |
| No. of HD patients at risk | 59 | 90 | 155 | 216 | 270 | 332 | 396 | 460 | 535 | 616 | 708 | 810 |
| HD deaths | 5 | 3 | 14 | 22 | 24 | 19 | 38 | 26 | 28 | 52 | 62 | 69 |
| HD death rate % | 8 | 3 | 9 | 10 | 9 | 6 | 10 | 6 | 5 | 8 | 9 | 9 |
| No. of CAPD patients at risk | 0 | 2 | 5 | 8 | 24 | 39 | 41 | 45 | 54 | 54 | 64 | 95 |
| CAPD deaths | 1 | 0 | 0 | 0 | 3 | 7 | 9 | 5 | 10 | 13 | 8 | 18 |
| CAPD death rate % | 0 | 0 | 0 | 0 | 13 | 18 | 22 | 11 | 19 | 24 | 13 | 19 |

| Year | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| No. of dialysis patients at risk | 1075 | 1289 | 1571 | 1987 | 2572 | 3302 | 4104 | 5021 | 6093 | 7219 | 8365 | 9375 |
| Dialysis deaths | 95 | 102 | 146 | 178 | 222 | 314 | 373 | 486 | 581 | 786 | 874 | 993 |
| Dialysis death rate % | 9 | 8 | 9 | 9 | 9 | 10 | 9 | 10 | 10 | 11 | 10 | 11 |
| No. of HD patients at risk | 938 | 1112 | 1353 | 1700 | 2189 | 2831 | 3584 | 4454 | 5466 | 6506 | 7523 | 8393 |
| HD deaths | 72 | 79 | 104 | 120 | 160 | 241 | 299 | 386 | 491 | 658 | 759 | 826 |
| HD death rate % | 8 | 7 | 8 | 7 | 7 | 9 | 8 | 9 | 9 | 10 | 10 | 10 |
| No. of CAPD patients at risk | 137 | 177 | 218 | 287 | 384 | 471 | 521 | 567 | 627 | 713 | 842 | 982 |
| CAPD deaths | 23 | 23 | 42 | 58 | 62 | 73 | 74 | 100 | 90 | 128 | 115 | 167 |
| CAPD death rate % | 17 | 13 | 19 | 20 | 16 | 15 | 14 | 18 | 14 | 18 | 14 | 17 |

Figure 2.9.1: Death Rates on Dialysis 1980 – 2003

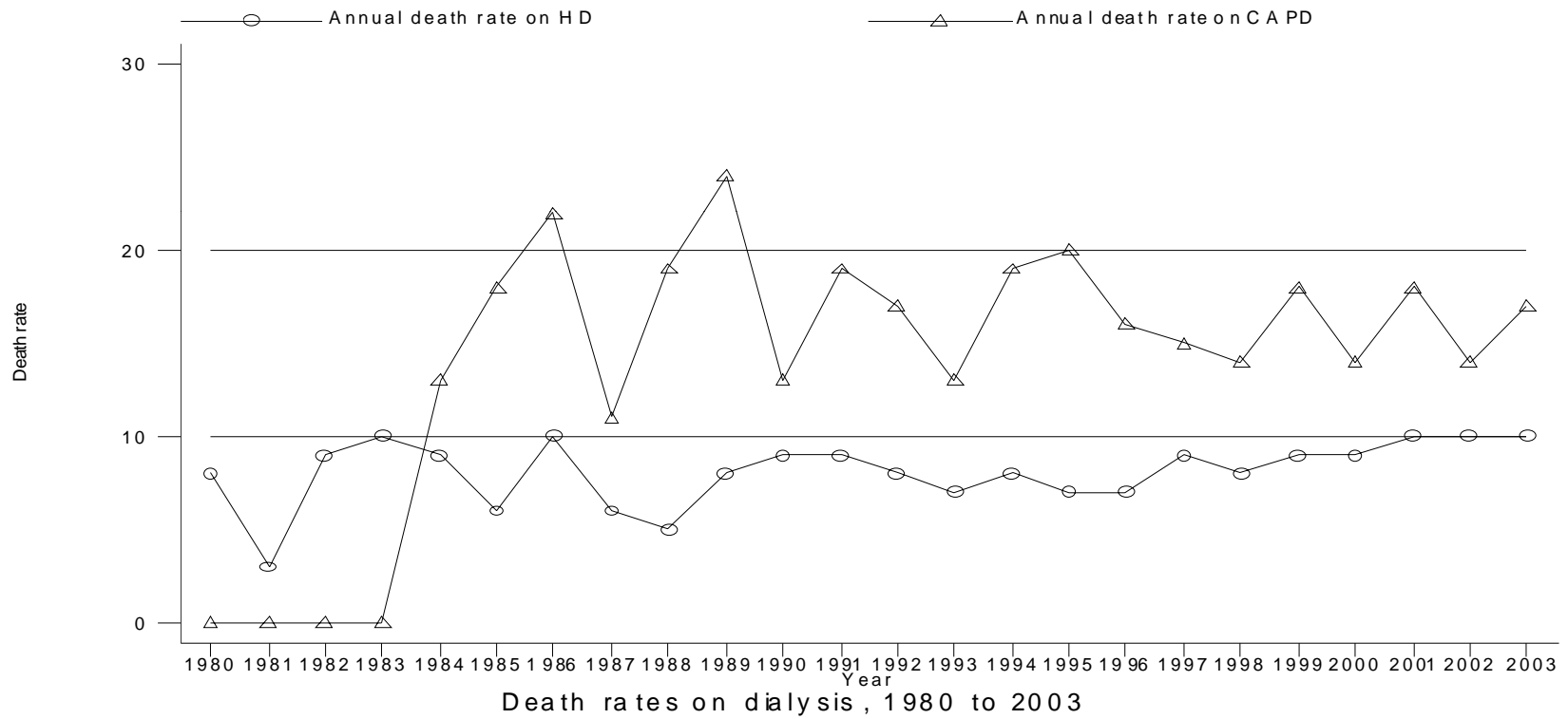


Table 2.9.2: Causes of Death on Dialysis 1980 - 2003

| Year | 1980 | | 1981 | | 1982 | | 1983 | | 1984 | | 1985 | | 1986 | | 1987 | |
|------------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| Cardiovascular | 1 | 17 | 0 | 0 | 0 | 0 | 3 | 14 | 5 | 19 | 2 | 8 | 13 | 28 | 6 | 19 |
| Died at home | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 1 | 4 | 3 | 6 | 0 | 0 |
| Sepsis | 0 | 0 | 0 | 0 | 4 | 29 | 2 | 9 | 3 | 11 | 1 | 4 | 5 | 11 | 2 | 6 |
| CAPD peritonitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 1 | 3 |
| GIT bleed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cancer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liver disease | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others | 5 | 83 | 3 | 100 | 10 | 71 | 15 | 68 | 19 | 70 | 19 | 73 | 26 | 55 | 20 | 65 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 2 | 6 |
| total | 6 | 100 | 3 | 100 | 14 | 100 | 22 | 100 | 27 | 100 | 26 | 100 | 47 | 100 | 31 | 100 |

| Year | 1988 | | 1989 | | 1990 | | 1991 | | 1992 | | 1993 | | 1994 | | 1995 | |
|------------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| Cardiovascular | 13 | 34 | 20 | 31 | 18 | 26 | 27 | 31 | 31 | 33 | 30 | 29 | 34 | 23 | 47 | 26 |
| Died at home | 4 | 11 | 8 | 12 | 12 | 17 | 11 | 13 | 9 | 9 | 9 | 9 | 21 | 14 | 23 | 13 |
| Sepsis | 1 | 3 | 6 | 9 | 12 | 17 | 12 | 14 | 14 | 15 | 20 | 20 | 17 | 12 | 35 | 20 |
| CAPD peritonitis | 1 | 3 | 2 | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 7 | 5 | 0 | 0 |
| GIT bleed | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Cancer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 4 | 5 | 3 |
| Liver disease | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Others | 18 | 47 | 25 | 38 | 24 | 34 | 26 | 30 | 36 | 38 | 34 | 33 | 42 | 29 | 55 | 31 |
| Unknown | 1 | 3 | 4 | 6 | 2 | 3 | 7 | 8 | 3 | 3 | 6 | 6 | 18 | 12 | 10 | 6 |
| total | 38 | 100 | 65 | 100 | 70 | 100 | 87 | 100 | 95 | 100 | 102 | 100 | 146 | 100 | 178 | 100 |

Table 2.9.2: Causes of Death on Dialysis 1980 - 2003

| Year | 1996 | | 1997 | | 1998 | | 1999 | | 2000 | | 2001 | | 2002 | | 2003 | |
|------------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| Cardiovascular | 53 | 24 | 87 | 28 | 123 | 33 | 157 | 32 | 208 | 36 | 267 | 34 | 335 | 38 | 335 | 34 |
| Died at home | 39 | 18 | 53 | 17 | 64 | 17 | 107 | 22 | 132 | 23 | 210 | 27 | 202 | 23 | 261 | 26 |
| Sepsis | 46 | 21 | 55 | 18 | 61 | 16 | 74 | 15 | 87 | 15 | 120 | 15 | 128 | 15 | 160 | 16 |
| CAPD peritonitis | 1 | 0 | 4 | 1 | 1 | 0 | 8 | 2 | 15 | 3 | 21 | 3 | 11 | 1 | 7 | 1 |
| GIT bleed | 2 | 1 | 2 | 1 | 8 | 2 | 13 | 3 | 10 | 2 | 15 | 2 | 18 | 2 | 20 | 2 |
| Cancer | 2 | 1 | 9 | 3 | 8 | 2 | 6 | 1 | 10 | 2 | 14 | 2 | 18 | 2 | 18 | 2 |
| Liver disease | 1 | 0 | 3 | 1 | 2 | 1 | 8 | 2 | 6 | 1 | 6 | 1 | 8 | 1 | 12 | 1 |
| Others | 55 | 25 | 69 | 22 | 75 | 20 | 92 | 19 | 89 | 15 | 105 | 13 | 131 | 15 | 150 | 15 |
| Unknown | 23 | 10 | 32 | 10 | 31 | 8 | 21 | 4 | 24 | 4 | 28 | 4 | 23 | 3 | 30 | 3 |
| total | 222 | 100 | 314 | 100 | 373 | 100 | 486 | 100 | 581 | 100 | 786 | 100 | 874 | 100 | 993 | 100 |