

CHAPTER 1

STOCK AND FLOW

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Figure 1.1

Prevalent Patients (31 December) 1996 - 2000
(per Million Population)

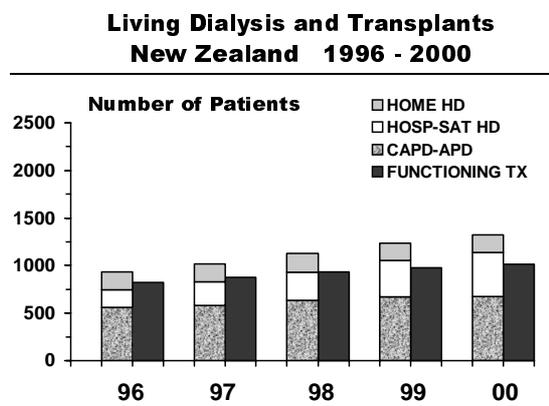
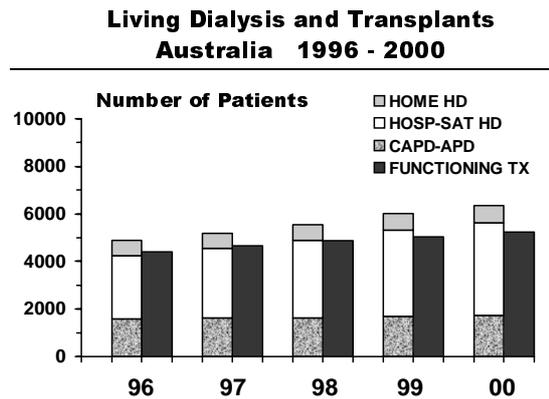
| | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------------|------------|------------|------------|------------|------------|
| Australia | | | | | |
| No. Functioning Transplants ● # | 4415 (241) | 4652 (251) | 4868 (260) | 5032 (265) | 5235 (273) |
| No. Dialysis Patients | 4890 (267) | 5193 (280) | 5540 (295) | 6013 (317) | 6358 (332) |
| Proportion Home * | 45% | 43% | 40% | 39% | 38% |
| Proportion Satellite | 27% | 28% | 31% | 33% | 35% |
| Proportion CAPD/APD | 32% | 31% | 29% | 28% | 27% |
| New Zealand | | | | | |
| No. Functioning Transplants ● # | 822 (221) | 878 (233) | 931 (245) | 976 (256) | 1014 (265) |
| No. Dialysis Patients | 936 (252) | 1019 (271) | 1129 (298) | 1233 (324) | 1325 (346) |
| Proportion Home * | 80% | 75% | 73% | 69% | 65% |
| Proportion Satellite | <1% | 1% | 4% | 7% | 10% |
| Proportion CAPD/APD | 60% | 57% | 56% | 55% | 51% |

● Country of Transplant
Patients lost to follow up are not included
* Proportion of all patients dialysing currently receiving home-based treatment

Figure 1.2

Patient Flow Summary (31 December) 1996 - 2000
(per Million Population)

| | 1996 | 1997 | 1998 | 1999 | 2000 |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Australia | | | | | |
| No. New Patients | 1428 (78) | 1484 (79) | 1610 (86) | 1748 (92) | 1723 (90) |
| No. New Transplants | 475 (26) | 502 (27) | 518 (28) | 453 (24) | 530 (28) |
| Living Donor Transplants | 115 | 144 | 161 | 167 | 180 |
| Non Primary Transplants | 59 | 58 | 75 | 51 | 55 |
| No. Deaths | 847 | 910 | 1020 | 1070 | 1135 |
| Dialysis Patients | 732 | 797 | 894 | 953 | 971 |
| Transplant Patients | 115 | 113 | 126 | 117 | 164 |
| New Zealand | | | | | |
| No. New Patients | 290 (78) | 320 (85) | 371 (98) | 375 (98) | 411 (107) |
| No. New Transplants | 96 (26) | 112 (30) | 106 (28) | 112 (29) | 106 (28) |
| Living Donor Transplants | 26 | 31 | 31 | 42 | 31 |
| Non Primary Transplants | 8 | 11 | 11 | 15 | 15 |
| No. Deaths | 161 | 184 | 203 | 214 | 271 |
| Dialysis Patients | 133 | 157 | 178 | 191 | 246 |
| Transplant Patients | 28 | 27 | 25 | 23 | 25 |

Figure 1.3

Figure 1.4

| Prevalence and Incidence by Racial Origin, 1996 - 2000 (per Million Population) (per year for new patients) | | | | | |
|---|------------|------------|------------|------------|------------|
| Race | 1996 | 1997 | 1998 | 1999 | 2000 |
| Australia | | | | | |
| New Patients | 95 (298) | 142 (435) | 126 (377) | 148 (433) | 136 (389) |
| Transplant Operations | 8 (25) | 20 (61) | 28 (84) | 23 (67) | 17 (49) |
| Aboriginal Functioning Transplants | 78 (244) | 90 (276) | 100 (299) | 112 (328) | 113 (323) |
| Dialysis | 353 (1106) | 409 (1252) | 443 (1326) | 491 (1436) | 536 (1533) |
| Deaths | 71 (222) | 73 (223) | 81 (242) | 85 (249) | 94 (269) |
| New Zealand | | | | | |
| New Patients | 96 (175) | 109 (194) | 130 (227) | 109 (186) | 126 (210) |
| Transplant Operations | 12 (22) | 11 (20) | 17 (30) | 17 (29) | 13 (22) |
| Maori Functioning Transplants | 82 (150) | 84 (150) | 92 (160) | 99 (169) | 100 (167) |
| Dialysis | 298 (544) | 331 (590) | 380 (663) | 398 (679) | 416 (695) |
| Deaths | 51 (93) | 75 (134) | 71 (124) | 84 (143) | 106 (177) |
| New Patients | 31 (153) | 31 (148) | 48 (222) | 54 (242) | 69 (300) |
| Transplant Operations | 7 (35) | 4 (19) | 7 (32) | 8 (36) | 4 (17) |
| Pacific Islander Functioning Transplants | 40 (198) | 41 (196) | 41 (189) | 42 (188) | 42 (183) |
| Dialysis | 145 (717) | 159 (761) | 179 (829) | 205 (919) | 249 (1083) |
| Deaths | 19 (94) | 15 (72) | 26 (120) | 26 (117) | 23 (100) |



Figure 1.5

National and State Stock and Flow 1-Jan-2000 to 31-Dec-2000
(31-Dec-1999 Figures)

| State | New Patients | Transplant Operations (Resident State) | Deaths | | Dialysis Dependent | Functioning Transplants # (Resident State) | Total |
|-------------------------|--------------------|---|------------------|------------------|--------------------|---|----------------------|
| | | | Dialysis | Transplant | | | |
| Queensland | 341 (307) | 103 (65) | 170 (191) | 28 (29) | 1042 (953) | 1064 (1014) | 2106 (1967) |
| New South Wales | 517 (542) | 135 (122) | 345 (318) | 70 (51) | 2127 (2067) | 1569 (1551) | 3696 (3618) |
| Aust. Capital Territory | 36 (38) | 24 (16) | 21 (23) | 1 (3) | 158 (159) | 127 (107) | 285 (266) |
| Victoria | 435 (441) | 131 (114) | 230 (214) | 26 (18) | 1700 (1596) | 1254 (1199) | 2954 (2795) |
| Tasmania | 32 (25) | 7 (13) | 15 (23) | 3 (1) | 121 (100) | 110 (112) | 231 (212) |
| South Australia | 118 (144) | 56 (54) | 55 (55) | 19 (8) | 395 (376) | 568 (546) | 963 (922) |
| Northern Territory | 47 (52) | 11 (17) | 34 (29) | 4 (1) | 172 (165) | 64 (63) | 236 (228) |
| Western Australia | 197 (199) | 63 (52) | 101 (100) | 13 (6) | 643 (597) | 492 (454) | 1135 (1051) |
| Australia | 1723 (1748) | 530 (453) | 971 (953) | 164 (117) | 6358 (6013) | 5248 (5046) | 11606 (11059) |
| New Zealand | 411 (375) | 106 (112) | 246 (191) | 25 (23) | 1325 (1233) | 1001 (961) | 2325 (2194) |

Patients lost to follow up are not included

Figure 1.6

Transplant and Dialysis Patients 1983 - 2000
(per Million Population)

| | Year | Transplant # | Dialysis | Total |
|--------------------|------------|--------------|--------------------|--------------------|
| Australia | 1983 | 1770 (115) | 2019 (131) | 3789 (247) |
| | 1984 | 1970 (127) | 2152 (138) | 4122 (265) |
| | 1985 | 2162 (137) | 2230 (142) | 4392 (279) |
| | 1986 | 2390 (150) | 2339 (146) | 4729 (296) |
| | 1987 | 2571 (158) | 2526 (155) | 5097 (314) |
| | 1988 | 2795 (169) | 2675 (162) | 5470 (331) |
| | 1989 | 3048 (181) | 2751 (164) | 5799 (345) |
| | 1990 | 3260 (191) | 2957 (173) | 6217 (364) |
| | 1991 | 3486 (201) | 3138 (181) | 6624 (382) |
| | 1992 | 3689 (210) | 3383 (193) | 7072 (404) |
| | 1993 | 3858 (218) | 3704 (210) | 7562 (428) |
| | 1994 | 4047 (227) | 4099 (230) | 8146 (457) |
| | 1995 | 4213 (233) | 4525 (251) | 8738 (484) |
| | 1996 | 4415 (241) | 4890 (267) | 9305 (509) |
| | 1997 | 4652 (251) | 5193 (280) | 9845 (531) |
| | 1998 | 4868 (260) | 5540 (295) | 10408 (555) |
| | 1999 | 5032 (265) | 6013 (317) | 11045 (582) |
| 2000 | 5235 (273) | 6358 (332) | 11593 (605) | |
| New Zealand | 1983 | 318 (99) | 339 (105) | 657 (203) |
| | 1984 | 348 (107) | 370 (113) | 718 (220) |
| | 1985 | 377 (115) | 402 (122) | 779 (237) |
| | 1986 | 426 (129) | 402 (122) | 828 (250) |
| | 1987 | 452 (135) | 437 (131) | 889 (266) |
| | 1988 | 484 (145) | 482 (144) | 966 (289) |
| | 1989 | 531 (158) | 527 (156) | 1058 (313) |
| | 1990 | 579 (171) | 557 (162) | 1136 (331) |
| | 1991 | 607 (175) | 630 (182) | 1237 (356) |
| | 1992 | 676 (192) | 674 (192) | 1350 (384) |
| | 1993 | 705 (198) | 721 (203) | 1426 (401) |
| | 1994 | 730 (203) | 784 (218) | 1514 (420) |
| | 1995 | 782 (214) | 851 (233) | 1633 (447) |
| | 1996 | 822 (221) | 936 (252) | 1758 (473) |
| | 1997 | 878 (233) | 1019 (271) | 1897 (504) |
| | 1998 | 931 (245) | 1129 (298) | 2060 (543) |
| | 1999 | 976 (256) | 1233 (324) | 2209 (580) |
| 2000 | 1014 (265) | 1325 (346) | 2339 (611) | |

Patients lost to follow up are not included

Figure 1.7

**Comparison of Transplant and Dialysis Dependent Patients
1996 - 2000**
(per Million Population)

| | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| TRANSPLANTS * | | | | | |
| Queensland | 893 (266) | 942 (277) | 989 (286) | 1014 (289) | 1064 (298) |
| New South Wales | 1429 (231) | 1497 (239) | 1530 (241) | 1551 (242) | 1569 (243) |
| Aust. Capital Territory | 87 (283) | 94 (303) | 99 (321) | 107 (345) | 127 (409) |
| Victoria | 1037 (228) | 1103 (240) | 1164 (250) | 1199 (254) | 1254 (263) |
| Tasmania | 90 (190) | 99 (209) | 110 (233) | 112 (238) | 110 (234) |
| South Australia | 476 (322) | 490 (331) | 521 (350) | 546 (366) | 568 (379) |
| Northern Territory | 37 (208) | 49 (262) | 54 (284) | 63 (327) | 64 (327) |
| Western Australia | 376 (213) | 393 (219) | 415 (227) | 454 (244) | 492 (261) |
| Australia * | 4425 (242) | 4667 (252) | 4882 (260) | 5046 (266) | 5248 (274) |
| New Zealand * | 811 (218) | 863 (229) | 917 (242) | 961 (252) | 1001 (261) |
| * By Resident State and Country | | | | | |
| DIALYSIS | | | | | |
| Queensland | 734 (219) | 802 (236) | 875 (253) | 953 (271) | 1042 (292) |
| New South Wales | 1797 (290) | 1857 (296) | 1936 (305) | 2067 (322) | 2127 (329) |
| Aust. Capital Territory | 133 (433) | 147 (475) | 157 (509) | 159 (513) | 158 (508) |
| Victoria | 1223 (269) | 1325 (288) | 1442 (309) | 1596 (339) | 1700 (357) |
| Tasmania | 98 (207) | 110 (232) | 102 (216) | 100 (213) | 121 (257) |
| South Australia | 308 (208) | 313 (212) | 324 (218) | 376 (252) | 395 (264) |
| Northern Territory | 130 (731) | 149 (796) | 161 (847) | 165 (855) | 172 (880) |
| Western Australia | 467 (265) | 490 (273) | 543 (296) | 597 (321) | 643 (341) |
| Australia | 4890 (267) | 5193 (280) | 5540 (295) | 6013 (317) | 6358 (332) |
| New Zealand | 936 (252) | 1019 (271) | 1129 (298) | 1233 (324) | 1325 (346) |