

CHAPTER 1

STOCK AND FLOW

A P S Disney



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

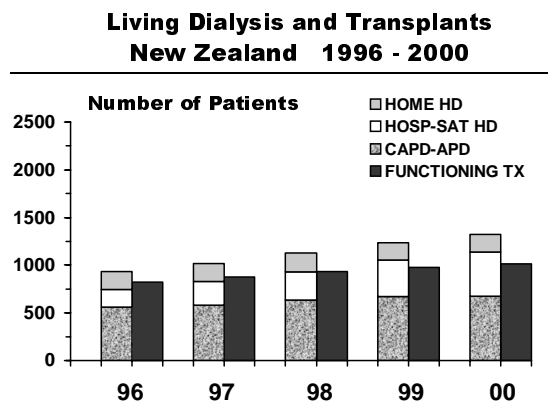
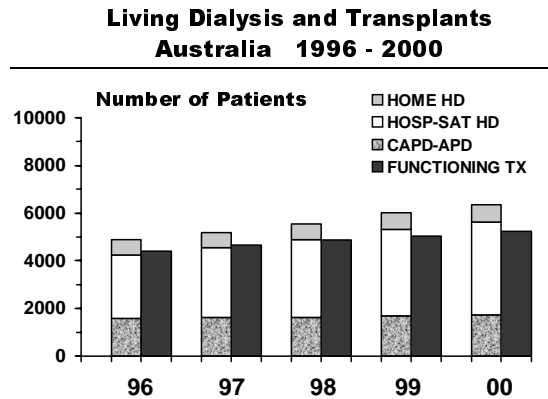


Figure 1.4

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)