

CHAPTER 1

STOCK AND FLOW

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Figure 1.1

Prevalent Patients 1998 - 2002
(Number Per Million Population at 31 December)

	1998	1999	2000	2001	2002
Australia Total	10425 (557)	11066 (585)	11651 (608)	12300 (634)	12945 (658)
No. Functioning Transplants ● #	4886 (261)	5050 (267)	5245 (274)	5458 (281)	5740 (292)
No. Dialysis Patients	5539 (296)	6016 (318)	6406 (334)	6842 (352)	7205 (366)
Proportion Home *	40%	39%	38%	37%	35%
Proportion Satellite HD	31%	33%	34%	36%	37%
Proportion CAPD/APD	29%	28%	27%	26%	25%
New Zealand Total	2063 (541)	2216 (578)	2358 (611)	2532 (652)	2700 (685)
No. Functioning Transplants ● #	934 (245)	983 (256)	1022 (265)	1062 (274)	1114 (283)
No. Dialysis Patients	1129 (2986)	1233 (321)	1336 (346)	1470 (379)	1586 (403)
Proportion Home *	73%	68%	65%	62%	62%
Proportion Satellite HD	4%	7%	10%	12%	14%
Proportion CAPD/APD	56%	54%	51%	49%	48%

● Country of Transplant
Patients lost to follow up are not included
* Proportion of all patients dialysing currently receiving home-based treatment (either PD or HD)

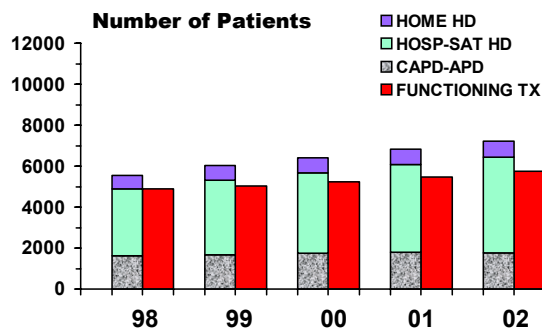
Figure 1.2

Patient Flow Summary 1998 - 2002
(Number Per Million Population at 31 December)
* Country of Transplant

	1998	1999	2000	2001	2002
Australia					
Total New Patients	1607 (86)	1745 (92)	1754 (92)	1907 (98)	1855 (94)
Total New Transplants *	518 (28)	454 (24)	530 (28)	540 (28)	602 (31)
Living Donor Transplants	161	168	180	212	228
Subsequent Transplants	75	51	55	53	67
Total Deaths	1020	1074	1146	1238	1185
Dialysis Patients	894	953	973	1082	1046
Transplant Patients	126	121	173	156	139
New Zealand					
Total New Patients	371 (97)	375 (98)	421 (109)	469 (121)	453 (115)
Total New Transplants *	106 (28)	112 (29)	106 (27)	110 (28)	117 (30)
Living Donor Transplants	31	42	31	43	48
Subsequent Transplants	11	15	15	9	14
Total Deaths	203	214	271	287	263
Dialysis Patients	178	191	245	262	232
Transplant Patients	25	23	26	25	31

Figure 1.3

**Prevalent Dialysis and Transplants
Australia (at 31st December)**



**Prevalent Dialysis and Transplants
New Zealand (at 31st December)**

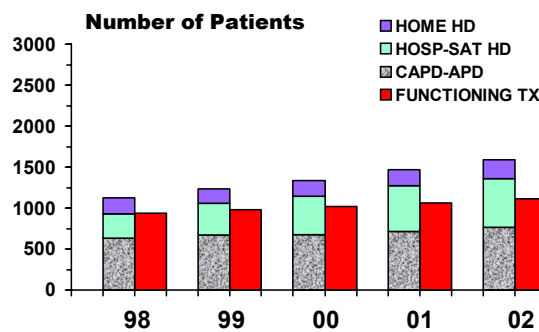


Figure 1.4

Prevalence and Incidence by Indigenous Racial Origin, 1998 - 2002
(Number Per Million Population Per Year For New Patients)
Aboriginal And Torres Strait Islanders Combined

Race		1998	1999	2000	2001	2002
Australia						
Aboriginal and Torres Strait Islanders	New Patients	137 (340)	157 (382)	150 (358)	175 (410)	166 (381)
	Transplant Operations	28 (70)	23 (56)	18 (43)	21 (49)	17 (39)
	Functioning Transplants	105 (261)	117 (285)	119 (284)	120 (281)	121 (278)
	Dialysis	480 (1193)	531 (1293)	578 (1379)	643 (1506)	704 (1617)
	Deaths	86 (214)	90 (219)	106 (253)	107 (251)	104 (239)
New Zealand						
Maori	New Patients	130 (236)	109 (194)	128 (223)	150 (256)	146 (244)
	Transplant Operations	17 (31)	17 (30)	13 (23)	15 (26)	13 (22)
	Functioning Transplants	93 (168)	101 (179)	101 (176)	104 (177)	105 (176)
	Dialysis	382 (692)	398 (707)	419 (730)	459 (783)	530 (887)
	Deaths	71 (129)	84 (149)	106 (185)	106 (181)	70 (117)
Pacific Islander	New Patients	48 (211)	54 (230)	72 (298)	68 (260)	56 (208)
	Transplant Operations	7 (31)	8 (34)	4 (17)	6 (23)	15 (56)
	Functioning Transplants	41 (180)	42 (179)	42 (174)	45 (172)	56 (208)
	Dialysis	181 (794)	205 (872)	252 (1041)	277 (1058)	273 (1015)
	Deaths	26 (114)	26 (111)	23 (95)	36 (137)	39 (145)



Figure 1.5

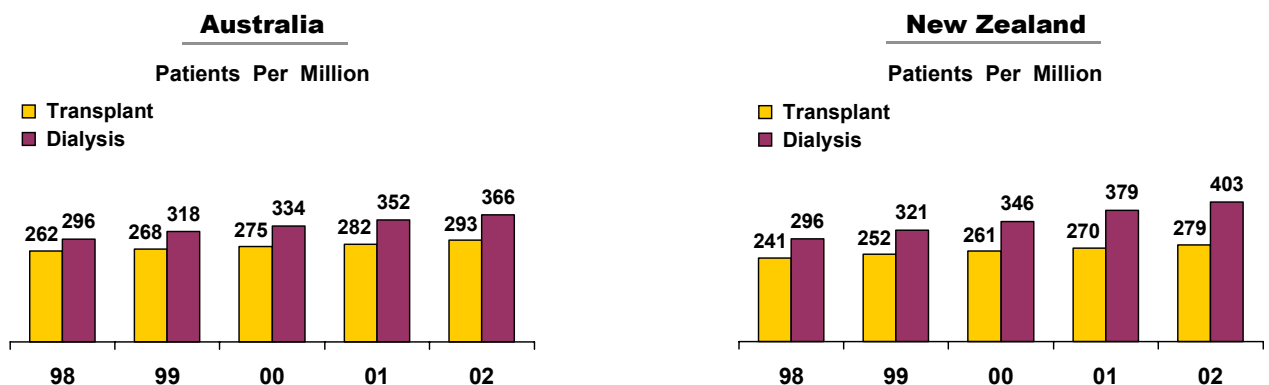
National and State Stock and Flow 1-Jan-2002 to 31-Dec-2002							
(31-Dec-2001 Figures)							
# Patients Lost to Follow-up are Not Included							
* Resident State							
State	New Patients	Transplant Operations *	Deaths		Dialysis Dependent	Functioning Transplants # *	Total
			Dialysis	Transplant			
Queensland	364 (336)	115 (123)	198 (205)	26 (33)	1187 (1093)	1178 (1127)	2365 (2220)
New South Wales	560 (594)	173 (124)	354 (338)	47 (56)	2392 (2321)	1660 (1590)	4052 (3911)
Aust.Capital Territory	45 (33)	19 (18)	19 (24)	2 (5)	172 (159)	147 (134)	319 (293)
Victoria	470 (498)	152 (148)	259 (256)	32 (25)	1934 (1854)	1410 (1329)	3344 (3183)
Tasmania	36 (38)	9 (11)	16 (28)	3 (3)	143 (124)	120 (113)	263 (237)
South Australia	120 (154)	61 (58)	56 (60)	20 (16)	456 (435)	624 (598)	1080 (1033)
Northern Territory	58 (65)	12 (10)	32 (29)	2 (6)	232 (210)	69 (66)	301 (276)
Western Australia	202 (189)	62 (49)	112 (142)	7 (12)	689 (646)	547 (515)	1236 (1161)
Australia	1855 (1907)	603 (541)	1046 (1082)	139 (156)	7205 (6842)	5755 (5472)	12,960 (12,314)
New Zealand	453 (469)	116 (109)	232 (262)	31 (25)	1586 (1470)	1099 (1048)	2685 (2518)

Figure 1.6

Prevalent Transplant and Dialysis Patients 1982 - 2002						
Country of Transplant						
# Patients Lost to Follow-up are Not Included						
(Number Per Million Population at 31 December)						
Australia				New Zealand		
Year	Transplant #	Dialysis	Total	Transplant #	Dialysis	Total
1982	1645 (108)	1836 (121)	3481 (229)	261 (82)	342 (107)	603 (189)
1983	1771 (115)	2019 (131)	3790 (246)	318 (99)	339 (105)	657 (203)
1984	1971 (127)	2152 (138)	4123 (265)	348 (107)	370 (113)	718 (220)
1985	2163 (137)	2230 (141)	4393 (278)	377 (115)	402 (122)	779 (237)
1986	2391 (149)	2339 (146)	4730 (295)	426 (129)	402 (122)	828 (250)
1987	2573 (158)	2526 (155)	5099 (314)	452 (135)	437 (131)	889 (266)
1988	2797 (169)	2675 (162)	5472 (331)	484 (145)	482 (144)	966 (289)
1989	3051 (181)	2750 (164)	5801 (345)	531 (158)	527 (156)	1058 (313)
1990	3263 (191)	2955 (173)	6218 (364)	579 (171)	557 (162)	1136 (331)
1991	3490 (202)	3138 (182)	6628 (383)	607 (174)	630 (180)	1237 (354)
1992	3696 (211)	3384 (193)	7080 (404)	677 (192)	674 (191)	1351 (383)
1993	3866 (219)	3705 (210)	7571 (429)	705 (197)	721 (202)	1426 (399)
1994	4055 (227)	4099 (230)	8154 (457)	731 (202)	784 (217)	1515 (418)
1995	4223 (234)	4521 (250)	8744 (484)	783 (213)	851 (232)	1634 (445)
1996	4431 (242)	4885 (267)	9316 (509)	823 (220)	935 (250)	1758 (471)
1997	4671 (252)	5192 (280)	9863 (532)	881 (233)	1018 (269)	1899 (502)
1998	4886 (261)	5539 (296)	10,425 (557)	934 (245)	1129 (296)	2063 (541)
1999	5050 (267)	6016 (318)	11,066 (585)	983 (256)	1233 (321)	2216 (578)
2000	5245 (274)	6406 (334)	11,651 (608)	1022 (265)	1336 (346)	2358 (611)
2001	5458 (281)	6842 (352)	12,300 (634)	1062 (274)	1470 (379)	2532 (652)
2002	5740 (292)	7205 (366)	12,945 (658)	1114 (283)	1586 (403)	2700 (685)

Figure 1.7

Comparison of Transplant and Dialysis Dependent Patients 1998 - 2002					
(Number Per Million Population at 31 December)					
	1998	1999	2000	2001	2002
TRANSPLANTS **					
Queensland	992 (288)	1018 (291)	1070 (300)	1127 (311)	1178 (318)
New South Wales *	1541 (250)	1559 (250)	1569 (249)	1590 (249)	1660 (258)
Aust. Capital Territory *	96 (196)	106 (214)	125 (250)	134 (264)	147 (285)
Victoria	1172 (253)	1206 (257)	1266 (267)	1329 (277)	1410 (289)
Tasmania	108 (229)	111 (235)	109 (231)	113 (240)	120 (254)
South Australia	522 (350)	548 (366)	565 (375)	598 (396)	624 (410)
Northern Territory	53 (279)	62 (322)	64 (327)	66 (334)	69 (348)
Western Australia	415 (228)	454 (245)	491 (262)	515 (271)	547 (284)
Australia	4899 (262)	5064 (268)	5259 (275)	5472 (282)	5755 (293)
New Zealand	921 (241)	968 (252)	1008 (261)	1048 (270)	1099 (279)
** By Resident State and Country					
DIALYSIS					
Queensland	876 (254)	954 (272)	1045 (293)	1093 (301)	1187 (320)
New South Wales *	1937 (315)	2071 (332)	2155 (342)	2321 (363)	2392 (371)
Aust. Capital Territory *	157 (320)	159 (321)	162 (324)	159 (313)	172 (333)
Victoria	1439 (310)	1594 (340)	1705 (360)	1854 (386)	1934 (397)
Tasmania	102 (216)	101 (214)	121 (257)	124 (263)	143 (303)
South Australia	324 (218)	376 (251)	396 (263)	435 (288)	456 (300)
Northern Territory	161 (848)	165 (856)	178 (910)	210 (1061)	232 (1172)
Western Australia	543 (298)	596 (322)	644 (344)	646 (340)	689 (357)
Australia	5539 (296)	6016 (318)	6406 (334)	6842 (352)	7205 (366)
New Zealand	1129 (296)	1233 (321)	1336 (346)	1470 (379)	1586 (403)
* NSW population excludes residents of the Southern Area Health Service *ACT population includes residents of the Southern Area Health Service (Medical services in the ACT service this Southern Area Region) Transplanted patients lost to follow up have been excluded					

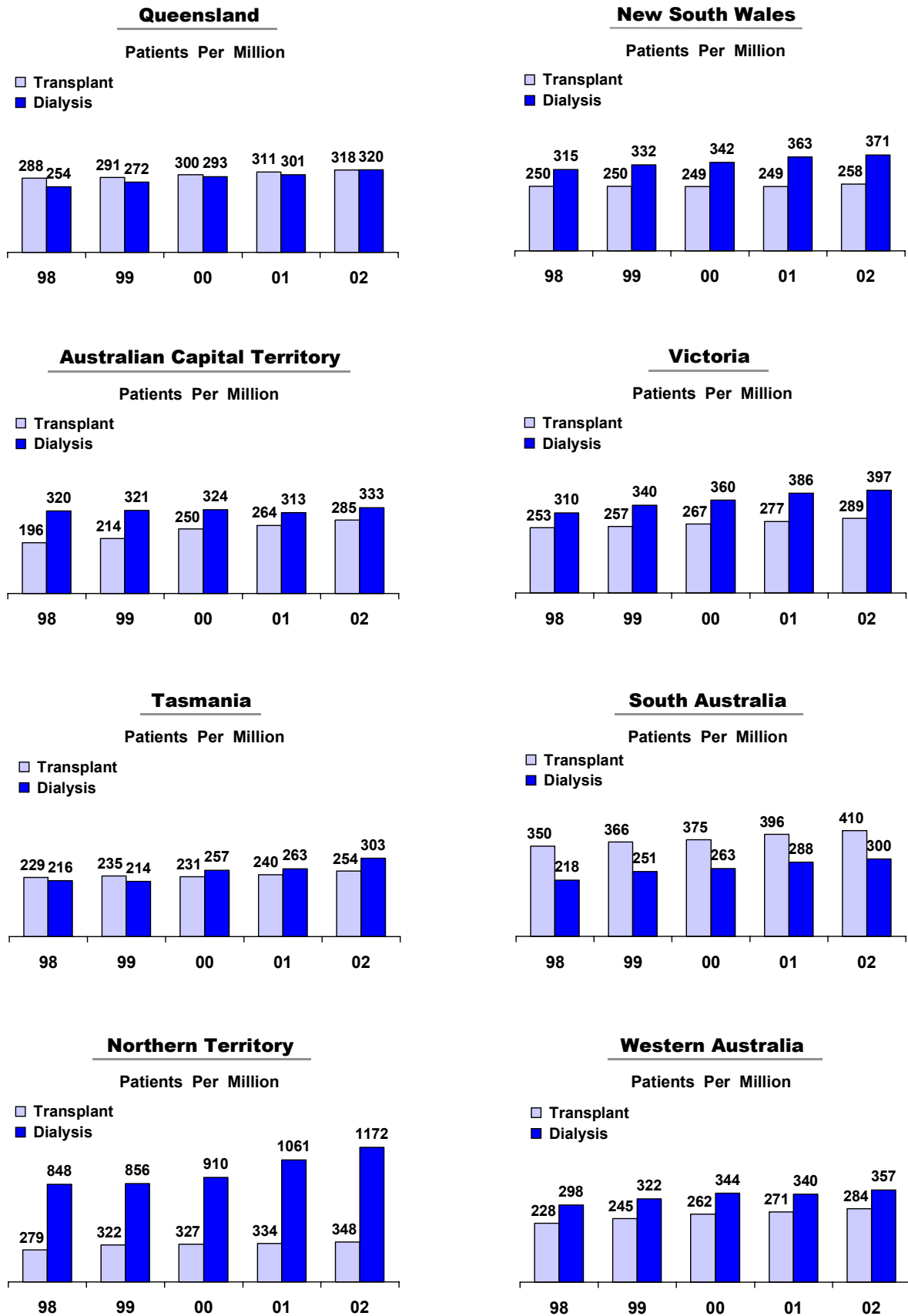
Figure 1.8


State data graphs are shown on Page 6



Figure 1.9

Comparison of Transplant and Dialysis Dependent Patients 1998 - 2002



Transplanted patients lost to follow up have been excluded