Table 3.3

SURVEY RESULTS: HOSPITALS

Service	Owner-ship	Category	SubRegion	Name of Institution	Beds	Source	1999 Occu-pancy (DoH)	Sanumed data			Survey Mnthly w/mass kg	Daily Waste Mass per Patient				Daily Waste Mass per Bed (Survey)
								Patients (hospitals)	Mnthly w/mass kg	W/service		Survey	Group Av.	Std. Error	Model	
Hospitals	Military		Pretoria and Surrounds	1 Military Hospital - S.A.M.S	500	m,h		195			5 400	0.90	0.90	0.227	1.39	0.36
Hospitals	Mining		Pretoria and Surrounds	Premier Hospital	35	m		3			25	0.27	0.27		0.60	0.02
Hospitals	Private	Rehabilitation	Pretoria and Surrounds	Castle Carey Clinic	60	m		55			10	0.01	0.01		0.02	0.01
Clinics	Private	Step Down Facilities	Pretoria and Surrounds	Huis Herfsblaar Frail Care	139	s		139			2	0.001	0.004		See note	0.00
Clinics	Private	Step Down Facilities	Pretoria and Surrounds	Medcare Medical Services	23	s		13			3	0.01			See note	0.00
Hospitals	Private		East Rand	Arwyp Medical Cntr	251	m		195			2 975	0.50				0.39
Hospitals	Private		East Rand	The Glynnwood Hospital	272	m		165			3 400	0.68				0.41
Hospitals	Private		Johannesburg	Morningside Medi-Clinic	230	m,h		56			4 300	2.53				0.61
Hospitals	Private		Johannesburg	Milpark Hospital	314	m,h		113			13 866	4.04	1.57	0.250	1.99	1.45
Hospitals	Private		Johannesburg	Sunninghill Hospital Med Institute	230	m,h		167			3 750	0.74				0.54
Hospitals	Private		MidRand	Carstenhof Clinic	125	m		152			4 923	1.07				1.30
Hospitals	Private		Pretoria and Surrounds	Pretoria East Private Hospital	260	m,h		260			8 250	1.04				1.04
Hospitals	Private		Pretoria and Surrounds	Little Company of Mary Hospital	137	m,h		84			2 000	0.69				0.48
Hospitals	Private		Pretoria and Surrounds	The Willows Hospital	341	m,h,s		188			6 250	1.09				0.60
Hospitals	Private		Pretoria and Surrounds	Unitas Hospital	339	m,h		234			11 750	1.65				1.14
Hospitals	Public	Central	Pretoria and Surrounds	Pretoria Academic Hospital	999	m	84%	675	54 600	l	49 800	2.43				1.64
Hospitals	Public	Central	Johannesburg	Johannesburg Hospital	897	m	114%	1 300	82 388	s,l	59 600	1.51	1.23	0.187	1.56	2.19
Hospitals	Public	Central	West Rand	Chris Hani Baragwanath Hosp	3205	m	55%	1 554	31 980	s,l	42 540	0.90				0.44
Hospitals	Public	Central	Pretoria and Surrounds	Garankuwa Hospital	1804	m	78%	1 223	34 775	s,l,w	31 000	0.83				0.57
Hospitals	Public	District	Pretoria and Surrounds	Pretoria West Hospital	176	h	69%	76			1 900	0.82	0.71	0.097	0.90	0.36
Hospitals	Public	District	Pretoria and Surrounds	Mamelodi Hospital	90	m,s	70%	72			1 650	0.75				0.60
Hospitals	Public	Psychiatric	Pretoria and Surrounds	Weskoppies Hospital	1350	m	90%	775	38	s,l	850	0.04	0.04		0.08	0.02
Hospitals	Public	Regional	Johannesburg	Helen Joseph Hospital (J G Strijdom Hospital)	454	m	79%	400	22 775	s,l,w	16 800	1.38				1.22
Hospitals	Public	Regional	Pretoria and Surrounds	Kalafong Hospital	1113	m	87%	980	19 350	s,l	12 500	0.42				0.37
Hospitals	Public	Regional	West Rand	Leratong Hospital	704	m	72%	652	585	s	7 350	0.37	0.63	0.108	0.81	0.34
Hospitals	Public	Regional	MidRand	Tembisa Hospital	778	m	76%	522	6 940	s,l,w	5 150	0.32				0.22
Hospitals	Public	Regional	Vaal Triangle	Kopanong Hospital (Vereeniging Hospital)	344	m	45%	268	276	s	1 900	0.23				0.18
Hospitals	Public	Rehabilitation	Pretoria and Surrounds	Cullinan Care & Rehabilitation Centre	320	m	100%	320			10	0.001	0.001		0.002	0.00
Hospitals	Public	Special	Johannesburg	Sizwe Trop Disease Hosp (Rietfontein Hosp.)	539	m	63%	195	800	w	440	0.07	0.07		0.10	0.03

Codes:

"Source":
- m = MedPages
- h = Dept. of Health
- s = survey

"Waste Service" (Sanumed):
- s = sharps containers
- l = 142 litre boxes
- w = 50 litre (wet waste)

Notes on Waste Generation Rates used in Model:

1 Step-Down facilities: Because of very low surveyed waste generation rates, a fixed TOTAL MASS of 20 kg per institution has been used in the model.

2 Mining, Rehabilitation and Psychiatric hospitals: as the surveyed values are comparatively low, we have doubled them for purposes of the model, in order to be conservative.

3 For other cases, the surveyed results have been treated as "small" samples. With small samples, there is a risk that the mean of such sample is less than the mean of the actual population. Therefore, in accordance with the procedure set out in Annexure 3.3, we have used the mean of the sample, the standard error of the sample and the relevant "t" coefficients to derive Model values, such that there is a 90% probability that the Model value is greater than the actual population mean.