

The subjects in the Hospital Group (N=376) were referred to the hospital from districts throughout Natal and even beyond its borders. Table VII lists the subjects' residential areas. The hospital, however, is most frequented by patients in and around the Durban area. The south and north areas which has the highest representation (71.27%), naturally included the Umlazi and Kwa Mashu townships. Of the 38.56% of patients in the Durban (south) group, 29.5% were from Umlazi. The remaining subjects from this group (9.06%) resided in the Isipingo, Amanzimtoti, Malvern, Chatsworth and Merebank areas. Of the north group 32.71% of the patients from the Durban (north) area, 20.2% resided in Kwa Mashu. The remaining 12.51% of the south group came from the Inanda, Verulam, Tongaat and areas up to the Tugela River. The results suggest that the main catchment areas for this hospital extends from Amanzimtoti in the south to Pinetown and surrounding areas in the west, and the Tugela River in the north. This catchment area accounts for 82.97% of its patients.

TABLE VII
DESTINATIONS OF HOSPITAL SUBJECTS

District	N	%
Durban (south)	145	38.56
Durban (north)	123	32.71
Pinetown and surrounding area	36	9.04
Natal Midlands Pietermaritzburg and surrounding	14	3.72
Central South Umzinto and surrounding	12	3.19
South Port Shepstone and surrounding	10	2.66
Durban central and surrounding	10	2.66
North Tugela Zululand	7	1.86
Transkei	5	1.33
Northern Natal (Drakensberg area)	3	0.80
Lesotho	1	0.27
Unknown	10	3.20

A chi-squared analysis on the occupations of the subjects between the three groups showed significant differences ($\chi^2 = 171.52, p < 0.01$). Table VIII groups the occupations of the subjects according to the coding of occupation guide (Schlemmer and Stopforth, 1979). This guide was developed to encourage standardisation of the coding of occupations in South Africa. In addition, this guide was chosen because it was developed with careful consideration of codes for Africans. The subjects attending the hospital were found to be less skilled compared to those in the community groups (see Figure 9). However, a comparison of the community groups show that the Kwa Mashu Group have a higher percentage of semi-skilled artisans and professionals than the Umlazi Group.

TABLE VIII
SUBJECTS OCCUPATIONS

Group	Unskilled	Semi-skilled	Artisans	Middle Professional	White-collar
Hospital	272 (72.34)	27 (7.18)	25 (6.65)	2 (0.53)	35 (9.31)
Umlazi 155	(42.82)30	(8.29)44	(4.93)11	(3.04)	79 (21.82)
Kwa Mashu	28 (18.18)	29 (18.83)	34 (22.08)	5 (3.25)	49 (31.82)
Total	455 (51.01)	86 (9.64)	103 (11.55)	18 (2.02)	163 (18.27)

5.2 TIME AND TRANSPORT COSTS OF HOSPITAL PATIENTS

The cost of travel incurred by patients attending the hospital ranged from R1.00 to R52.00, depending from where they came. The average cost was R6.27. This refers only to the cost of travel to the hospital and not other costs such as hospital fees and lunch.

Some patients left home as early as 2h00 to attend the hospital. All left by 8h00. On the average they arrived at the hospital 1 hour and forty three minutes later. Of those who attended the hospital, 160 (42.60%) reported that they were unemployed. Of those employed, 179 patients (47.60%) reported that they had to take the day off from work in order to attend the hospital. Forty-two (23.46%), who took the day off, reported that they would not get paid or compensated for loss of earnings.

The results show that 298 patients (79.26%) were unaccompanied to the hospital. Of the 20.74% who were accompanied, 21(26.92%) were accompanied by their spouse; 12 (15.38%) by their children; 5 (6.41%) by friends; 5 (6.40%) by their brothers; 3 (3.85%) by aunts and 3 (3.85%) by neighbours. In most of the cases patients were accompanied by females rather than males. A possible reason for this may be that the men more likely would be at work.

5.3 HELP SEEKING BEHAVIOUR OF HOSPITAL PATIENTS

In order to understand the factors and/or attitudes that influenced the patients medical help seeking behaviour, several open-ended questions were asked. The qualitative data obtained from these questions, are presented below. The data represents the views of the Hospital Group since only they had to complete this section.

Two hundred and twenty-one patients (59%) chose to attend King Edward VIII Hospital because they believed that it provided the best service for African patients. These patients felt that the services, facilities and treatment at the hospital were very good, that the hospital had plenty of doctors to attend to their needs and that the hospital was well known and recognized for its good treatment.

Forty-six (12%) of the patients chose to come to the hospital because they were referred by their general practitioner; 38 (10.3%) were either referred or transferred from another hospital or clinic. Twenty-six (7%) were encouraged to attend the hospital by their employers or family members because they thought that the hospital provided the best treatment.

The term spouse is used inclusively of boyfriend or girlfriend, since couples live together and only regard their partner as a spouse when the lobola has been paid. Lobola refers to the payment of bride price or dowry, that the husband is required to pay the brides father.

Eight patients (2.2%) attended the hospital because they felt that the cost of treatment was much cheaper than other hospitals. Seven subjects (1.9%) did not respond or gave inappropriate answers.

5.3.1 Choice of Day to Attend

Two hundred and ninety-six of the 376 patients responded to the question that addressed the choice of day to attend the hospital.

The majority of patients (N=149, 50.34%) attended on the day they felt that they were either getting worse, their condition was deteriorating or that their pain was becoming unbearable. In eighty-six cases (29.05%) the day of attendance was determined either by an appointment or because they felt that the hospital will not be busy. Twenty-three (7.77%) had to wait to get paid because they did not have sufficient money to attend.

About 21 (7.1%) attended on the day their referring doctor had arranged an appointment with the hospital. A small number, 8, (2.70) reported that they were too busy at work or school and had no time to attend earlier. Seven had to wait for transport (2.4%); 1 patient had to arrange for someone to look after her children and another attended on the advise and insistence of a friend.

5.3.2 Patient's First Suspicions of Illness and Attendance

The majority of patients attended the hospital within a month of suspecting they were ill. One hundred and thirty-five (35,9%) attended within a week, 42 (11,2%) within 2 weeks, 20 (5,3%) by the third week and 45 (12,0%) by the fourth week — a cumulative percentage of 65,4% (N=246). The mean attendance over a year period was 5,85 weeks (SD. 9,82). Table IX provides a breakdown of the attendance. Figure 10 depicts the attendance graphically.

TABLE IX
ILLNESS PRECIPITATION AND ATTENDANCE TO HOSPITAL

Week/s	N	%
≤ 1	135	35.9
≤ 2	42	11.2
≤ 3	20	5.3
≤ 4	45	12.0
5- 8	34	9.0
9-12	11	3.0
13-16	6	1.7
17-20	4	1.1
21-24	5	1.4
25-28	5	1.4
29-32	7	1.9
49-52	8	2.2
>1 year	50	13.9

5.3.3 Patients Reasons for not Attending Earlier

One hundred and sixty-two patients (43,50%) did not attend the hospital earlier because they felt that their illness was not serious enough, that the symptoms did not bother them or they denied any illness existed. These patients felt that they would get better without any medical intervention. Seventy-four (19,90%) were seeing a private doctor or attending another clinic or hospital. “No money” was given by 55 (14,80%) as a reason for not attending earlier. Eight (2,20%) went to a pharmacy for help. Seven (1,90%) of the patients indicated this was the earliest appointment they could get. Seven (1,90%) had either no transport or no one to bring them to the hospital. Six (1,60%) described themselves as being too seriously ill to attend. One reported that the illness remitted for a short while, whereas another patient went to “church people” for help. One of the patients reported that she was too afraid to come earlier. Eleven (3,00%) felt that they had not delayed. (See Figure 11).

5.3.4 Feelings or experiences that suggested to the patients that they were Ill

Two hundred and thirty-eight patients (63,3%) felt that they were sick because they experienced only physical symptoms. Sixty-four (20,8%) felt they were sick because they had experienced only psychological symptoms, such as, forgetfulness, worry, or depression, as well as changes in affect, sleep patterns, energy levels and decreased appetite. Two hundred and forty-three (79,2%) had a combination of physical and psychological symptoms.

Three hundred and twenty-seven patients (87,0%) were worried about the symptoms they were experiencing as opposed to 42 (11,2%) who were not really concerned although they felt they were sick.

As many as 148 (46,2%) patients did not know what was wrong. The responses of those who felt that they did know what was wrong with them were varied. Forty-three (13,4%) thought they had flu; 40 (12,5) felt that their illness was due to some form of infection because there were visible signs, such as, sores or lacerations. Twenty-six (8,1) thought that they had a terminal illness such as cancer or AIDS and that they were going to die.

Other explanations included, 17 (5,3%) who felt that there was something wrong with their blood, that their bladder was dirty or that they had water in their heads. Twelve (3,7%) felt that their illness was due to witchcraft, the crossing of a path where some ritual was performed, the inhaling of a bad spirit or that they were poisoned by someone. Twelve (3,7%) felt that it was some known clinical syndrome, such as, diabetes, asthma or high blood pressure. 11 (3,4%) felt that their illness was the result of normal developmental processes, such as, puberty, pregnancy and old age. Nine (2,8%) attributed their illness to seasonal or temperature changes and 2(0.6%) felt that it was due to a past surgical procedure.

5.3.5 Illness Disclosure

Three hundred and twenty-two (86%) of the hospital patients talked about their illness and concerns to others prior to attending the hospital while only 49 (13,2%) did not. Of those who did speak to others, 92 (28,3%) had spoken to their mothers; 76 (23,4%) to their spouses or boy/girlfriends; 30 (9,2%) to friends; 21 (6,5%) to their children; 20 (6,2%) to their employer; 17 (5,2) to a sister; 12 (3,7%) to a brother; 12 (3,7%) to a relative; 10 (3,1) to their father; 7 (2,2%) to both parents and 5 (1,5%) to their grandmother. Only 8 (2,5%) had spoken to a doctor.

5.4 SERVICES

5.4.1 Choice of doctor, hospital and pharmacy by the community groups.

The choice of a doctor by individuals in the community sample groups are reflected in Table X. The subjects were asked to indicate the location of a doctor they would visit if they had to and why they would choose that particular doctor. It appears from the responses that there is a tendency, naturally, for people to use services that are the closest to them (58.6%).

TABLE X
LOCATION OF DOCTOR

Choice	Umlazi		Kwa Mashu		Total	
	N	(%)	N	(%)	N	(%)
Within township	211	(63.7)	66	(42.9)	277	(58.6)
Outside township	106	(32.1)	54	(35.1)	160	(33.8)
City	3	(0.9)	21	(14.8)	24	(5.1)
Staff Doctor	5	(1.5)	1	(0.7)	6	(1.3)
Anywhere	6	(1.8)	0		6	(1.3)
Total	331		142		473	

The reasons for choosing a particular doctor are listed in Table XI. The main factors that seem to motivate the choice of a doctor are the proximity and quality of service. The majority chose a doctor closest to them (34.9%) or because they perceived that they would get good service (28.6%). Only 11.6% considered cost in the choice of a doctor.

TABLE XI
REASONS FOR CHOOSING A DOCTOR

Reason/s	Umlazi		Kwa Mashu		Total	
	N	(%)	N	(%)	N	(%)
Nearest	140	(38.5)	43	(30.5)	183	(34.9)
Good service	98	(25.6)	52	(36.9)	150	(28.6)
Family doctor	67	(17.5)	9	(6.4)	76	(14.5)
Cheapest	42	(11.0)	19	(13.5)	61	(11.6)
Nearest to work	18	(4.7)	14	(9.9)	32	(6.1)
Staff services	13	(3.4)	4	(2.8)	17	(3.2)
Medical aid	5	(1.3)	–		5	(0.9)
Total	383		141		524	

The choice of hospital and the reasons for their choice are found in Table XII and Table XIII respectively. Here again, the proximity and quality of service play an important role in the choice of services. King Edward VIII Hospital is still preferred by both communities although Prince Mshiyeni Memorial Hospital (which is in Umlazi) is equally popular in the Umlazi community. However, Kwa Mashu does not have a hospital close to them which accounts for the higher number of patients attending King Edward VIII Hospital from there. These results also show that as much as 12.8 % use private services. The fact that 44.9% felt that their choice of hospital was determined according to the quality of service and 33.8% because it was nearest to them, supports the view that convenience and quality of service are the most important factors for use of these services.

TABLE XII
CHOICE OF HOSPITAL

Hospital	Umlazi		Kwa Mashu		Total	
	N	(%)	N	(%)	N	(%)
King Edward VII	122	(35.3)	84	(58.4)	206	(40.7)
Prince Mshiyeni	147	(42.5)	9	(6.3)	156	(30.8)
Private (Indian,city)	18	(5.2)	17	(11.9)	35	(6.9)
Clairwood	31	(8.9)	1	(0.6)	32	(6.3)
McCords	-		16	(11.2)	16	(3.2)
Medical Towers	14	(4.0)	1	(0.6)	15	(3.1)
Private (White, city)	9	(2.6)	5	(3.5)	14	(2.8)
St. Mary's	1	(0.3)	4	(2.7)	5	(1.0)
King George V	3	(0.9)	-		3	(0.6)
Kwa Dabeka Day	-		3	(2.1)	3	(0.6)
Addington	-		3	(2.1)	3	(0.6)
Madedeni	1	(0.3)	1	(0.6)	2	(0.4)
Total	350		156		506	

TABLE XIII
REASONS FOR CHOOSING A HOSPITAL

Reason/s	Umlazi		Kwa Mashu		Total
	N	(%)	N	(%)	
Good service	119	(34.0)	108	(69.2)	227 (44.9)
Nearest	146	(41.8)	25	(16.1)	171 (33.8)
Nearest to work	50	(14.3)	10	(6.4)	60 (11.9)
Cheapest	19	(5.4)	8	(5.1)	27 (5.3)
Referred	12	(3.4)	5	(3.2)	17 (3.4)
Medical Aid	3	(0.8)	-		3 (0.6)
No referral required	1	(0.3)	-		1 (0.2)
Total	350		156		506

The choice of a pharmacy (Tables XIV and XV) is in keeping with choices of other services. These tables show that proximity and quality of service are the most important factors related to choice of medical and health services.

TABLE XIV
CHOICE OF PHARMACY

Location	Umlazi		Kwa Mashu		Total
	N	(%)	N	(%)	
Local township	143	(49.7)	46	(35.1)	189 (44.7)
City	93	(31.8)	45	(34.4)	138 (32.6)
Outside township	47	(16.1)	37	(28.2)	84 (19.9)
Anywhere	7	(2.4)	3	(2.3)	10 (2.4)
Total	292		131		423

TABLE XV
REASONS FOR CHOOSING A PHARMACY

Reason/s	Umlazi		Kwa Mashu		Total
	N	(%)	N	(%)	
Nearest	100	(33.0)	54	(37.8)	154 (34.5)
Good service	67	(22.1)	31	(21.6)	98 (22.0)
Nearest to work	67	(22.1)	23	(16.1)	90 (20.2)
Cheapest	44	(14.5)	7	(4.9)	51 (11.4)
Well stocked	19	(6.3)	20	(14.0)	39 (8.7)
Trust them	3	(0.9)	7	(4.9)	10 (2.2)
Referred	3	(0.9)	1	(0.6)	4 (0.9)
Total	303		143		446

5.5 SUBJECTS PERCEPTIONS OF TREATMENT

The majority in the sample (n=739, 83,8%) who had received medical services from a private doctor or a hospital reported that they were pleased with the treatment. $\chi^2=93.18$ ($p<0,01$) was obtained. See Table XVI for each of the groups responses. It appears, however, that the community samples, Umlazi (83.9%) and Kwa Mashu (84.7%) were generally more pleased with treatment at the hospital than the Hospital group (53.2%).

TABLE XVI
SUBJECTS PERCEPTIONS OF TREATMENT

Perception	Hospital		Umlazi Kwa Mashu		Total	
	N	(%)	N	(%)		
Pleased with Rx	152	(53.2)	281	(83.9)	111 (84.7)	544 (72.3)
Not pleased with Rx	89	(31.1)	24	(7.2)	10 (7.6)	123 (16.4)
Not sure	45	(15.7)	30	(9.0)	10 (7.6)	85 (11.3)
Total	286		335		131	752

The two factors that pleased patients most about their treatment were that their illnesses were cured (N=224, 37.71%) and the service and care were very good (N=330, 55.55%). Table XVII lists the aspects the subjects were most pleased with and Table XVIII lists those aspects of treatment that respondents were not pleased about.

TABLE XVII
TREATMENT FACTORS SUBJECTS WERE PLEASED ABOUT

Factors	Hospital		Umlazi		Kwa Mashu		Total	
	N	(%)	N	(%)	N	(%)	N	(%)
Good service and care	83	(48.0)	167	(54.4)	80	(70.2)	330	(55.5)
Illness cured	78	(45.1)	117	(38.1)	29	(25.4)	224	(37.7)
Gave injection	5	(2.9)	19	(6.2)	2	(1.8)	26	(4.4)
Gave medication	4	(2.3)	4	(1.3)	3	(2.6)	11	(1.9)
Cost	2	(1.1)	-		-		2	(0.3)
Gave Rx never seen before	1	(0.6)	-		-		1	(0.2)
Total	173		307		114		594	

TABLE XVIII
TREATMENT FACTORS SUBJECTS WERE NOT PLEASED ABOUT

Factors	Hospital (N=146)		Umlazi (N=133)		Kwa Mashu (N=54)		Total (N=333)	
	N	(%)	N	(%)	N	(%)	N	(%)
Poor Dr-Pt relationship	38	(26.0)	72	(54.1)	31	(57.4)	141	(30.3)
Poor facilities	21	(14.4)	67	(50.4)	34	(63.0)	122	(26.2)
Time delays	17	(11.6)	52	(39.1)	17	(31.5)	86	(18.5)
Illness not cured	67	(45.9)	15	(11.3)	2	(3.7)	84	(18.1)
Cost	10	(6.8)	18	(13.5)	4	(7.4)	32	(6.9)

A significant number of the subjects (N=702, 92,2%) were willing to seek medical services in the future ($\chi^2=2,359$, $p<0,01$). Whereas 24 (3,1%) did not want to and 37 (4,7%) felt that they were not sure if they would seek medical treatment again.

Table XIX shows that patients obtain their medication through consultations with medical doctors. A very small percentage obtained medication from pharmacies or friends. As to why they were given medication patient responded thus: 352 (46,8%) knew that they had to take medication because of their illness although they did not understand the nature of the illness; 304 (40,4%) took medication having understood quite well the nature of their illness. Only a significant few ($p < 0,01$) prescribed medication for themselves because they felt they had the flu (5,1%) or because they had pain (7,7%).

TABLE XIX
SOURCES OF MEDICATION

Source	Hospital (N=296)	Umlazi (N=334)	Kwa Mashu (N=130)	Total (N=556)
Private doctor	177 (59.8)	207 (62.0)	48 (36.9)	432 (57.1)
Clinic/ hospital	77 (26.0)	104 (31.1)	66 (50.8)	247 (32.6)
Pharmacy	24 (8.1)	16 (4.8)	-	40 (5.3)
Staff doctor	12 (4.1)	6 (1.8)	13 (10.0)	31 (4.1)
Friends/ relatives	6 (2.0)	1 (0.3)	-	7 (0.9)

There were significant differences in the way the subjects responded to whether western medicines were beneficial to them. Table XX lists the responses. Differences occurred between the Hospital and the community group. Western medications were perceived by the hospital attenders as being less beneficial. The Hospital Group (20.00%) demonstrated greater doubt about the efficacy of western medication than both community groups; Umlazi (5.1%) and Kwa Mashu (5.4%)

TABLE XX
SUBJECTS PERCEPTIONS OF WESTERN MEDICINES

Perception	Hospital		Umlazi		Kwa Mashu		Total	
	N	(%)	N	(%)	N	(%)	N	(%)
Helpful	160	(51.6)	299	(89.5)	116	(89.9)	575	(74.4)
Not helpful	88	(28.4)	18	(5.4)	6	(4.7)	112	(14.5)
Not sure	62	(20.0)	17	(5.1)	7	(5.4)	86	(11.1)
Total	310		334		129		773	

With regard to the use of vitamin supplements, 466 (53.1%) did not take supplements whereas 412 (46.9 %) respondents reported having used them. More of the Kwa Mashu Group (55.7%) used vitamin supplements than the Umlazi Group (40.4%). ($\chi^2=141.76$, $p<0.05$). The reason for taking vitamin supplements also significantly differed between the groups ($p<0.01$). See Table XXI.

TABLE XXI
REASONS FOR TAKING VITAMINS

Reason/s	Hospital (N=184)	Umlazi (N=145)	Kwa Mashu (N=88)	Total
Increase strength	66 (35.9)	77 (53.1)	32 (36.4)	175 (42.0)
Health/ active				
protective	40 (21.7)	33 (22.8)	22 (25.0)	95 (22.8)
Cure/ treat illness	29 (15.8)	7 (4.8)	17 (19.3)	53 (12.7)
Blood supplement	12 (6.5)	8 (5.5)	8 (9.1)	28 (6.7)
Advised (non- medical)	11 (6.0)	9 (6.2)	8 (9.1)	28 (6.7)
None	26 (14.1)	11 (7.6)	1 (1.1)	38 (9.1)

5.6 RELIGIOUS AND CULTURAL BELIEFS

Table XXII provides a break down of the religious and cultural affiliations of the three groups. Eighty-nine percent of the total sample were Christian, 6.6% belonged to traditional African religious groups, 2.8% 'other' and 1.4% claimed to belong to both Christian and Traditional religion.

TABLE XXII
RELIGIOUS AND CULTURAL BELIEFS

Beliefs	Hospital (N=357)	Umlazi	Kwa Mashu (N=343)	Total (N=151)
Christian	317 (88.8)		321 (93.6)	121 (80.1)
Traditional	21 (5.9)		17 (5.0)	18 (11.9)
Other	10 (2.0)		2 (0.6)	12 (7.9)
Christian and traditional	9 (2.5)		3 (0.9)	-
				12 (1.4)

Subjects responses to seeking traditional healing for their illnesses are found in Table XXIII. Help from traditional healers were sought by 14.5%; 24,4% visited faith healers and 5.67% sought help from both traditional and faith healers. The majority of the subjects reported non-use of traditional religious services (55.4%). There appears to be a greater rejection of these traditional services by both the Hospital Group (57.4%) and the Umlazi Group (58.7%). Of those that use traditional services, faith healers are frequented more often than traditional healers.

TABLE XXIII
USE OF TRADITIONAL HEALERS.

Type	Hospital (N=357)	Umlazi Kwa Mashu (N=339)	Total (N=151)	
None	205 (57.4)	199 (58.7)	65 (43.1)	469 (55.4)
Faith Healer	93 (26.1)	76 (22.4)	38 (25.2)	207 (24.4)
Traditional healer	42 (11.8)	51 (15.1)	30 (19.9)	123 (14.5)
Traditional and faith healer	17 (4.8)	13 (3.8)	18 (12.0)	48 (5.67)

The treatments administered by these healers are listed in Table XXIV. The subjects reported that the treatment very often was a combination of methods. Holy water (64.44%) and herbs (24.60%) are most often used. Although they are faith healers prayer is used in only 13.63% of the cases who approached these healers for help.

TABLE XXIV
TREATMENT GIVEN

Treatment	Hospital (N=148)	Umlazi Kwa Mashu (N=87)	(N=139)	Total
Holy water	100 (67.6)	63 (72.4)	51 (36.7)	241 (64.44)
Herbs	26 (17.6)	47 (54.0)	19 (13.7)	92 (24.60)
Trad. medicines	36 (24.3)	13 (14.9)	19 (13.7)	68 (18.18)
Prayer	13 (8.8)	17 (19.5)	21 (15.1)	51 (13.63)
Candles	3 (2.0)	11 (12.6)	5 (3.6)	19 (5.08)

The frequency of visits to traditional healers is listed in Table XXV. Subjects generally consulted traditional healers for about 3 times and thereafter there appears to be a decline in attendance. Of those who sought traditional healers, 33.8% attend more than 6 times.

TABLE XXV
FREQUENCY OF VISITS TO TRADITIONAL HEALERS

No of visits	Hospital (N=150)	Umlazi (N=139)	Kwa Mashu (N=87)	Total
1	38 (25.3)	18 (12.95)	7 (8.1)	63 (17.0)
2	39 (26.0)	37 (26.6)	22 (25.3)	98 (26.1)
3	24 (16.0)	19 (13.7)	14 (16.1)	57 (15.2)
4	1 (0.7)	3 (3.5)	1 (0.7)	10 (2.7)
5	5 (3.3)	13 (9.4)	3 (3.5)	21 (5.6)
6+	43 (28.7)	33 (38.0)	51 (36.7)	127 (33.8)

The average payment per treatment to the traditional healers varied for each group: the Hospital Group (R84.62), the Umlazi Group (R68.23) and The Kwa Mashu Group (R95.29).

There were significant differences ($p < 0.01$) between the groups about how they felt about the usefulness or benefit of the traditional or cultural treatment. Table XXVI shows that 80.5% of the Kwa Mashu Group felt that the traditional treatments were beneficial whereas only 40.4% of the Hospital Group and 64.3% of the Umlazi Group felt it was beneficial. However, the Hospital Group indicated greater displeasure with traditional treatments.

TABLE XXVI
SUBJECTS PERCEPTIONS OF THE EFFECTIVENESS OF TRADITIONAL TREATMENT

Perception	Hospital (N=151)	Umlazi Kwa Mashu (N=140)	(N=87)	Total
Rx helped	70 (40.4)	90 (64.3)	70 (80.5)	230 (60.9)
Rx did not help	40 (26.5)	13 (9.3)	7 (8.1)	60 (15.9)
Not sure	41 (27.2)	37 (26.4)	10 (11.5)	88 (23.3)

Rx = treatment

The data in Table XXVII supports the view that of those who used traditional treatment methods, an overall 47.40%, will continue traditional treatment. A $p < 0,05$ significance was obtained between the groups ($\chi^2 = 35.65$). A greater number in the Hospital Group (58.55%) indicated that they will continue traditional treatment than the Umlazi Group (38.88%) and Kwa Mashu Group (42.22%)

TABLE XXVII
CONTINUATION OF TRADITIONAL TREATMENT

	Hospital (N=152)	Umlazi Kwa Mashu (N=144)	(N=90)	Total
Cont. trad. Rx	89 (58.55)	56 (38.88)	38 (42.22)	183 (47.40)
Discont. trad Rx	63 (41.5)	88 (61.1)	52 (57.8)	203 (52.6)

Rx = treatment

Table XXVIII indicates the use of prayer by individuals as a method of 'treatment' for their illness. Prayer is most often sought from church people, such as, ministers, deacons and woman's prayer groups, (50,0%). Other sources from which prayer is sought are the family (25,4%) and friends or neighbours (16,4%).

TABLE XXVIII
PRAYER AS A TREATMENT FOR ILLNESS

	Hospital		Umlazi Kwa Mashu		Total		
	N	(%)	N	(%)	N	(%)	
Pray	59	(16.1)	65	(18.8)	50	(35.5)	174 (20.4)
Do not pray	308	(83.9)	281	(81.2)	91	(64.5)	680 (79.6)
Total	367	(43.0)	346	(40.5)	141	(16.5)	854

Twenty-one percent reported consulting a herbalist for their illness. See Table XXIX. There is significantly greater use of herbalist by the community groups than the Hospital Group ($\chi^2=6.23$, $p<0.05$).

TABLE XXIX
CONSULTATION OF HERBALISTS

	Hospital		Umlazi Kwa Mashu		Total		
	N	(%)	N	(%)	N	(%)	
Herbalist seen	61	(16.5)	77	(21.8)	45	(30.4)	183 (21.0)
Herbalist not seen	309	(83.5)	276	(78.0)	103	(70.0)	688 (79.0)
Total	370	(42.4)	353	(41.0)	148	(17.0)	872

Several folk medicines were reported to have been used. Laxatives appear to be the most popular substance consumed. Table XXX provides a breakdown of the substances each group used.

TABLE XXX
USE OF TRADITIONAL OR "LAY" SUBSTANCES

Substance	Hospital		Umlazi		Kwa Mashu		Total	
	N	(%)	N	(%)	N	(%)	N	(%)
Laxatives	316	(84.0)	328	(90.6)	138	(90.0)	782	(88.0)
Ointments	135	(35.9)	145	(40.1)	63	(41.0)	343	(38.5)
Vomiting meds.	130	(35.0)	106	(29.3)	74	(48.1)	310	(35.0)
Strengthening meds.	135	(36.0)	118	(33.0)	38	(25.0)	291	(33.0)
Holy water	124	(33.0)	105	(29.0)	47	(31.0)	276	(31.0)
Herbs	78	(20.7)	69	(19.1)	53	(34.4)	200	(22.4)
Hot/cold preparations	40	(10.6)	41	(11.3)	38	(25.0)	119	(13.3)
OTHER.....								
Glucose	42	(11.1)	55	(15.2)	2	(1.3)	99	(11.1)
Castor oil	42	(11.1)	35	(9.7)	6	(4.0)	83	(9.3)
Warm water	42	(11.1)	32	(8.8)	1	(0.6)	75	(8.4)
Epsom salts	16	(4.3)	19	(5.2)	1	(0.6)	36	(4.0)

5.7 HEALTH AND ILLNESS BELIEFS (QUALITATIVE RESPONSES)

The subjects were asked to respond to several open-ended question about health and illness beliefs. Below is a summary of their responses.

5.7.1 What is wrong with you and why do you think so?

Only the Hospital Group had to respond to this question because it was most appropriate for these subjects since they were seeking medical help at the hospital. Of those that answered 43.40% (n=152) did not know what was wrong with them. The most common explanations for their symptoms were: 14.00% (n=51) understood these symptoms as a

recognized medical disorder; 11.80% (n=43) felt it was due to infection; 6.00% (n=22) felt it was a result of 'something wrong with the blood (that is, their blood was either dirty or weak), that they had too much of gall in the body, their body was weak or they had dirty organs'; 4.40% (n=16) felt that it was due to injury; 4.10% (n=15) due to bewitchment, evil or evil spirit possession, crossing a path where a ritual was performed or as a result of the ancestors being angry; 2.50% (n=9) old age; 2.20% (n=8) poor nutrition, the use of dirty drinking water or poor living conditions and 1.70% (n=6) felt that it was due to their brain not functioning properly. Other less common reasons were seasonal changes 0.80% (n=3), alcohol and drug abuse 1.10% (n=4), body malfunctioning 1.10% (n=4), side effects of medication 0.80% (n=3), anger 0.80% (n=3) and temperature change 0.50% (n=2)

The reasons they gave for making the above 'diagnoses' were: 38.80% (n=132) gave a reasonable explanation; 13.80% (n=47) because they had physical symptoms and/or, they were not functioning as they had previously; 2.10% (n=7) had been told so by others; 1.80% (n=6) because of cognitive changes and/or vegetative shifts; 0.6% (n=2) cessation of tradition beliefs or belief in God and 0.30 (n=1) environmental change.

5.7.2 What does it mean to be sick?

The respondents experienced difficulty responding to this question. Most responded to this question as feeling "nauseous", "to vomit" or "feel weak". There appeared to be no difference in the concept between sick and ill. The term 'ukugula' is used most often for being or feeling ill.

5.7.3 What does it mean to be ill?

Patients responses to this question are found in Table XXXI below. Generally illness meant not feeling well or 'free' in the body, soul and life; not feeling good or normal; being worried, having problems, being uncomfortable and unrelaxed; perceiving pain; and

experiencing physical and psychological symptoms. The responses made show that the subjects hold an holistic view of illness. Biopsychosocial symptomatology is considered as cause or reasons for illness.

5.7.4 What does it mean to be well ?

The subjects view of health is in keeping with their view of illness. Yet again the subjects hold a holistic view of health. Wellness is associated with feeling 'free' and good in body, soul and life in general; having no worries, problems, feeling comfortable and relaxed; no perception of pain and no physical or psychological symptoms. Their responses are found in Table XXXII.

TABLE XXXI
MEANING OF BEING ILL

Meaning	Hospital		Umlazi Kwa Mashu Combined		
	(376) %	(362) %	(154) %	(892) %	
Do not feel well/free in your body/ soul/life, do not feel good, normal worried, have problems, uncomfortable, not relaxed	76.90		65.50	63.60	70.00
Pain	15.70		32.00	39.00	26.30
Ineffective, unproductive	9.31		8.84	14.90	10.10
Unhappy, sad (facial and mood change)	6.64		7.46	6.49	7.00
Do not look physically well/ healthy, not strong, fit physically	8.20		12.99	16.88	11.70
Not lively, active, or energetic-slowed	3.46		6.63	11.04	6.10
Body organs not functioning 2.13	7.73		7.79	5.40	
Have symptoms	3.19		6.63	4.55	4.80
Have infection/ disease	3.39		0.55	12.99	3.50
Something foreign in the body	0.80		5.25	0.65	2.60
Poor appetite	2.39		2.76	5.19	3.00
Sleep poor	3.19		2.76	1.95	2.80
Dependent (self care)	1.06		2.49	1.95	1.80
Need for doctor/hospital	2.13		0.28	0.65	1.10
Something wrong with blood	1.86		-	0.65	0.90
Going to die	1.06		-	-	0.40
Asocial, withdrawn	-		0.55	0.65	0.30
Imbalance mentally, physically and emotionally.	-		-	1.30	0.20
Bewitched/ bad spirit 0.53	-		-	0.20	

TABLE XXXII
MEANING OF BEING WELL

Meaning	Hospital (376)		Umlazi Kwa Mashu (154)		Combined (892)
	%	%	%	%	
Feel well in your body and soul, feeling good, normal, no worries, problems, free in your soul, life, enjoying life/content	64.63	53.04	45.45	56.61	
Healthy, good weight, strong, fit, physical	32.45	48.07	57.14	43.05	
No pain	21.28	29.56	25.97	25.45	
Happy, excited, joy	28.46	21.27	13.64	22.99	
Lively, active, energetic	14.10	13.26	14.29	13.75	
Effective, productive	9.04	8.01	18.18	10.20	
Psychologically and mentally fit	3.29	5.80	14.29	5.83	
Body organs functioning	1.60	4.97	6.49	3.81	
No infection/ disease	1.60	1.93	13.64	3.81	
Good appetite	2.39	3.31	1.30	2.58	
Independent	4.26	0.28	2.60	2.35	
No symptoms	0.79	2.21	3.90	1.91	
No need for doctor/hospital	2.13	0.28	1.95	1.35	
Visiting others	1.33	0.83	2.60	1.35	
Bewitched/ bad spirit	0.27	-	-	0.11	

The subjects' responses to what they believed that the indicators of 'being well' and 'being ill' were, are found respectively in Table XXXIII and Table XXXIV. Physical ability, mood and psychological well-being are considered indicators of being well. Poor vegetative function, physical ability, mood as well as psychological well-being is considered indicators of 'being ill'.

TABLE XXXIII
INDICATORS OF BEING WELL

Meaning	Hospital (376)		Umlazi Kwa Mashu (154)		Combined (892)
	%	%	%	%	
Strong, fit, physical	28.19		38.95		34.30
Happy, excited, joy, singing, dancing, laughs, jokes, humour	27.39	24.59	43.51		29.04
Lively, active, energetic		30.59	10.54		24.03
To work properly, works hard, effective, productive		16.76	25.41		31.17
Health, good weight, not neglected		6.84	23.20		12.37
Good, normal, feel well in your body, free in your soul, life, enjoying life/content, comfortable		18.09	16.02		20.78
Good appetite	15.96	16.22	13.64		15.92
No pain		7.45	11.88		18.18
Facial expression		9.84	12.99		1.95
Mobility		9.57	5.80		5.19
Playing with others, not visiting others		8.78	4.97		6.49
Quick, sharp, concentrate		4.52	7.46		7.79
Symptoms		3.46	7.18		13.64
Talks properly, loud		5.05	5.52		8.44
Sleep well		3.99	5.25		4.55
Psychologically and mentally fit, talk appropriately		0.80	2.49		9.09
Change of attitude, motivated		1.86	3.31		-
No need for doctor/hospital		2.39	0.55		0.65
Agitated not relaxed		0.53	0.28		-

TABLE XXXIV
INDICATORS OF BEING ILL

Meaning		Hospital (n=376) %	Umlazi Kwa Mashu (n=362) %	Combined (n=154) %	Combined (n=892) %
Good appetite	39.36	47.79	26.62	40.58	
Not lively, active, energetic		37.23	35.36	44.14	37.67
Sleep well		22.61	25.69	14.29	22.42
jokes, humour, happy, excited, joy		23.67	11.33	35.71	20.74
Health, good weight, neglected		16.49	24.03	14.29	19.17
Works hard, effective, productive		15.69	12.15	22.73	15.47
Pain		9.31	17.40	27.92	15.81
No symptoms		8.51	15.47	8.44	11.32
Vomit, nausea	6.12	14.36	3.90	9.08	
Dizzy, faint, weak		9.31	10.22	5.19	8.97
Not good, normal, do not feel well in body, not free in soul, life, not enjoying life, not content, worried, problems, uncomfortable		11.44	3.59	11.69	8.29
Talks properly, loud		5.05	8.84	7.79	7.06
Strong, fit, physical		4.52	8.84	4.55	6.28
Quick, concentrate, psycho- logically and mentally fit		2.13	9.39	5.84	5.72
Normal body temp		3.46	5.25	10.39	5.38
No need for doctor/ hospital		6.64	2.49	0.65	3.92
Not visiting others		1.33	7.18	4.55	4.26
Change of attitude, motivated		4.26	2.49	7.79	4.15
Mobility		3.72	3.04	3.25	3.36
Agitated not relaxed/ aggressive		2.39	2.49	6.49	3.14
Independent		0.80	1.66	6.49	2.13
Facial expression, laughs, cries		1.06	2.76	1.30	1.79
Body organs functioning		0.27	0.28	4.55	1.01

TABLE XXXV
REASONS PEOPLE GET SICK/ ILL

Reasons	Hospital	Umlazi Kwa Mashu	Combined	
	(n=376) %	(n=362) %	(n=154) %	(n=892) %
Diet, poor nutrition, junk food	63.03	76.52	53.25	66.82
Cold while sleeping, no or poor shelter, dirty, squatter conditions, drinking dirty water, pollution, poor environments	62.24	73.48	63.64	66.45
Disease/ infection, germs	11.70	10.77	23.38	13.34
No exercise	6.64	21.82	11.69	13.68
Psychological problems, worry, bad thoughts/ moods, stress	9.57	10.77	25.97	12.89
Non-compliant to Drs Rx, not going for regular check ups, delaying/ procrastinating attendance to doctors	7.98	9.94	14.29	9.86
Large consumption of alcohol	6.91	7.18	11.69	7.85
Belief and following traditional Rx.	10.90	2.47	10.39	7.50
Not keeping yourself healthy	5.057.18	3.90	5.72	
Poverty	1.33	3.59	20.13	5.49
Over crowding	2.663.87	15.58	5.38	
Social problems	6.12	3.59	7.14	5.27
Smoke excessively	1.33	6.63	5.19	4.15
Injuries, accidents, violence, war, unrest	3.46	3.59	1.95	3.25
Poor health facilities/ apartheid	1.60	3.04	5.19	2.80
Increased responsibility	2.66	3.31	0.65	2.58
Laziness	1.33	1.66	6.49	2.35
Forget God	-	1.38	3.25	2.32
Substance abuse	1.06	3.87	1.30	2.24
Season or weather changes	1.06	3.31	2.60	2.24
Weak, not strong	1.33	1.38	5.84	2.13
Overworking	1.06	0.83	3.25	1.34
Allergic, taking something not good for your body	0.53	2.76	0.65	1.64
Something foreign enters				

their body	-	2.49	0.65	1.57
Poor education	-	-	1.30	1.30
To die	-	1.10	-1.10	
Loss of culture	1.06 0.28	1.95	1.10	
Bewitchment	-	0.55	1.30	0.93
Body malfunctioning	0.53	0.55	2.60	0.90
Not resting or relaxing	0.27	1.38	1.30	0.90
Old age	1.33	0.55	-	0.78
Attack without a cause, natural	0.27	0.28	1.30	0.62
Promiscuity	1.06	0.28	-	0.56
Inherited	-	0.28	0.65	0.47
Bad terms with neighbours/ family	0.79	0.28	0.65	0.45
Insufficient sleep	0.27	0.55	-	0.34
Malingering	-	0.28	-	0.28
No support	-	0.28	-	0.28
Don't clean their stomachs	0.27	0.28	-	0.22

Table XXXV lists the responses the subjects made to the question, 'why people get ill?' Poor nutrition and diet, poor living conditions and poverty were the main reasons given for getting ill. The other popular reasons were diseases and infections, lack of exercise and psychological stresses and conflicts. There is also a variety of other reasons listed.

5.8 ILLNESS BEHAVIOUR

The subjects were asked what they would normally do when they felt they were ill. Their responses appear in Table XXXVI. Significant differences (chi-squared) were found in the way the groups responded to help-seeking behaviour from a hospital, pharmacy, traditional healer, use of prayer, self medication or denial. The majority of patients indicated that they would see a doctor (81.5%). The Kwa Mashu Group differed significantly in their use of the hospital and pharmacy, self medicating and denial of their illness. The Hospital Group used prayer more often than the community Groups.

TABLE XXXVI
ILLNESS BEHAVIOUR OF SUBJECTS

Behaviour	Hospital		Umlazi Kwa Mashu		Total		
	n	%	n	%	n	%	
Go to a doctor	295	(78.5)	301	(83.1)	131	(85.1)	727 (81.5)
Go to a hospital	275	(73.1)	282	(77.9)	103	(66.9)	660 (74.0)**
Go to a pharmacy	145	(38.6)	153	(42.3)	86	(55.8)	384 (43.1)*
Pray	171	(45.5)	132	(36.5)	62	(40.3)	365 (41.0)**
Ask others for help	137	(36.4)	137	(37.8)	70	(45.5)	344 (38.6)
Ignore it	129	(34.3)	104	(28.7)	83	(53.9)	316 (35.4)*
Medicate yourself	101	(26.9)	92	(25.4)	99	(64.3)	292 (32.7)*
Go to someone for prayer	63	(16.8)	76	(21.0)	30	(19.5)	169 (19.0)
Read about it	31	(8.2)	68	(18.8)	17	(11.0)	116 (13.0)*
Go to a traditional healer	48	(12.8)	40	(11.0)	9	(5.8)	97 (10.9)

* p<0.01

** p<0.05

5.9 HEALTH AND ILLNESS BELIEFS

Cronbach's coefficient alpha test was done to establish the reliability of the HBQ. A reliability of 0.76 was obtained. A comparison of the groups on each item is presented below in Table XXXVII.

TABLE XXXVII
COMPARISONS OF GROUPS RESPONSES ON HBQ ITEMS (IN %)

Hospital	Umlazi	Kwa Mashu	Total
(N=376)	(N=362)	(N=154)	(N=892)

1.	People get sick because they are not strong.				
	Agree	48.4	37.9	21.4	39.46*
	Sometimes agree	22.1	29.8	26.6	26.01
	Disagree	22.6	28.4	37.7	27.58
	Not sure	7.0	3.8	14.3	6.95
2.	People get sick because they do not eat the proper foods.				
	Agree	57.2	47.5	48.7	51.85
	Sometimes agree	33.8	43.4	37.0	38.27
	Disagree	6.4	6.6	11.0	7.30
	Not sure	2.7	2.5	2.6	2.58
3.	Illness is due to desertion by God.				
	Agree	11.2	11.9	3.2	10.10*
	Sometimes agree	21.0	26.2	12.3	21.66
	Disagree	52.7	49.2	71.4	54.55
	Not sure	15.2	12.4	13.0	13.69
4.	Illness is caused by infection.				
	Agree	60.9	52.8	66.9	58.83**
	Sometimes agree	27.4	32.6	24.7	29.13
	Disagree	8.5	6.9	2.6	6.86
	Not sure	3.2	6.9	5.8	5.17
5.	Illness is caused by witchcraft or sorcery.				
	Agree	22.9	20.4	11.0	20.02**
	Sometimes agree	30.3	22.9	33.1	28.05
	Disagree	26.9	35.4	33.8	31.79
	Not sure	20.0	19.9	20.8	20.14
6.	People get sick because someone				

has cursed or done something
evil towards them.

Agree	16.8	11.0	11.0	13.48
Sometimes agree	19.9	26.0	24.7	23.26
Disagree	38.3	39.8	40.9	39.44
Not sure	25.0	22.9	22.7	23.82

7. People get sick because they
do not exercise regularly.

Agree	36.2	36.5	32.5	35.69
Sometimes agree	34.3	35.9	46.1	37.04
Disagree	15.4	10.8	11.0	12.79
Not sure	14.1	16.6	10.4	14.48

8. Sickness 'comes' from the devil.

Agree	13.6	11.3	13.6	12.70
Sometimes agree	15.7	13.0	9.1	13.48
Disagree	45.2	50.3	50.0	48.20
Not sure	25.5	25.1	26.6	25.62

9. People go to doctors only when
they are seriously ill.

Agree	42.3	35.1	38.3	38.76*
Sometimes agree	27.9	27.9	42.9	30.56
Disagree	14.9	14.1	13.6	14.38
Not sure	14.6	22.7	5.2	16.29

10.	Doctors are the only ones that can treat people who are ill.				
	Agree	20.2	9.1	13.0	14.53*
	Sometimes agree	22.3	19.9	9.7	19.26
	Disagree	40.2	45.6	68.8	47.52
	Not sure	17.3	24.6	7.8	18.69
11.	There is nothing a person can do to prevent themselves from getting ill.				
	Agree	19.9	12.7	18.2	16.74*
	Sometimes agree	25.0	23.5	10.4	21.91
	Disagree	40.4	41.2	59.7	44.16
	Not sure	14.6	22.1	11.7	17.19
12.	People get sick because they do not keep themselves clean.				
	Agree	34.0	30.1	39.6	33.56***
	Sometimes agree	37.5	40.3	44.2	39.98
	Disagree	16.5	13.5	11.0	14.41
	Not sure	12.0	14.9	5.2	12.05
13.	There are some illnesses that doctors cannot treat.				
	Agree	38.3	48.9	75.3	49.10*
	Sometimes agree	36.4	25.1	11.0	27.53
	Disagree	12.8	11.0	5.2	10.79
	Not sure	12.5	14.9	7.1	12.58
14.	People inherit illness from their parents.				
	Agree	25.3	29.8	16.9	25.79*
	Sometimes agree	42.6	42.5	64.9	46.62
	Disagree	18.4	14.4	9.1	15.20
	Not sure	13.9	13.0	7.8	12.39

15.	If a person takes good care of themselves they will not get sick.				
	Agree	31.4	27.3	31.2	29.94**
	Sometimes agree	34.3	35.1	39.6	35.82
	Disagree	19.9	17.1	21.4	19.21
	Not sure	14.4	19.3	5.8	15.03
16.	People are able to cure themselves when they are sick.				
	Agree	19.1	23.8	16.2	20.61***
	Sometimes agree	37.2	29.3	43.5	35.25
	Disagree	28.5	26.0	27.3	27.36
	Not sure	15.2	20.4	12.3	16.78
17.	If a person gets sick it is their own fault.				
	Agree	11.7	9.1	3.2	9.29*
	Sometimes agree	23.7	22.4	33.8	25.14
	Disagree	51.1	47.2	53.2	50.40
	Not sure	13.6	19.6	7.8	15.18
18.	Visiting a doctor for regular check ups can prevent a person getting sick.				
	Agree	42.8	29.8	38.3	36.98*
	Sometimes agree	29.8	31.5	40.3	32.47
	Disagree	14.4	15.2	10.4	14.09
	Not sure	13.0	22.4	10.4	16.46
19.	Doctors can make the illness better but they cannot treat the cause.				
	Agree	38.0	32.3	33.1	34.98***
	Sometimes agree	32.7	28.7	40.3	32.51
	Disagree	14.4	18.5	14.9	16.20
	Not sure	14.9	20.2	10.4	16.31

20.	Most illnesses can be treated at home.				
	Agree	26.9	22.9	21.4	24.49*
	Sometimes agree	31.6	34.0	19.5	30.70
	Disagree	23.1	22.9	41.6	26.41
	Not sure	18.4	19.3	15.6	18.40
21.	Older people know a lot about illness and can advice others what to do.				
	Agree	32.7	26.8	29.2	29.91**
	Sometimes agree	35.4	35.4	39.6	36.34
	Disagree	15.2	13.3	20.1	15.35
	Not sure	16.8	23.5	9.7	18.40
22.	People should pray to God to cure them of their illness.				
	Agree	27.4	23.5	37.7	27.64*
	Sometimes agree	29.5	25.1	39.0	29.44
	Disagree	23.4	25.4	14.3	22.70
	Not sure	19.7	25.7	8.4	20.22
23.	People get sick because they are lazy and do not work hard enough.				
	Agree	18.9	17.7	13.0	17.47**
	Sometimes agree	36.4	37.0	30.5	35.85
	Disagree	28.5	22.7	37.7	27.85
	Not sure	16.2	22.4	16.2	18.83
24.	When sick the treatment given by elders or older people can really be helpful.				
	Agree	17.8	20.4	13.0	18.17*
	Sometimes agree	37.2	36.2	37.0	37.02
	Disagree	23.1	14.4	31.8	21.22
	Not sure	21.8	28.2	16.9	23.59

25.	Illness is a form of punishment for the wrong or bad things a person has done.				
	Agree	13.0	10.5	7.8	11.17
	Sometimes agree	21.3	18.8	15.6	19.41
	Disagree	44.7	48.3	60.4	49.21
	Not sure	21.0	21.3	15.6	20.20
26.	People get sick when something foreign invades their body.				
	Agree	40.2	33.4	49.4	39.37**
	Sometimes agree	33.2	32.3	25.3	31.79
	Disagree	16.0	16.6	10.4	15.38
	Not sure	10.6	16.9	11.7	13.46
27.	Sickness occurs because you do not do the rituals or prayer required by the priest or ancestors.				
	Agree	15.4	11.3	5.2	12.04*
	Sometimes agree	26.1	15.5	16.9	20.25
	Disagree	37.8	42.3	59.7	43.53
	Not sure	20.8	30.7	17.5	24.18
28.	A person can become ill if they walk or cross over a path or spot where some ritual was performed.				
	Agree	24.2	25.4	11.0	22.57**
	Sometimes agree	33.2	27.1	33.1	30.93
	Disagree	22.6	24.3	32.5	25.17
	Not sure	20.0	22.4	22.1	21.33
29.	Sickness occurs because your body is not functioning properly.				
	Agree	33.0	29.6	50.0	34.76*
	Sometimes agree	35.6	37.6	33.1	36.23
	Disagree	18.9	19.6	5.8	17.04
	Not sure	12.5	12.4	9.1	11.96

30. Illness is due to demon. evil
or bad spirit possession.

Agree	14.9	9.9	9.7	12.06**
Sometimes agree	14.9	17.4	24.0	17.59
Disagree	51.9	48.3	39.0	48.48
Not sure	18.4	23.8	25.3	21.87

31. Illness is due to punishment
or desertion by the ancestors

Agree	15.8	16.3	7.1	14.53**
Sometimes agree	15.0	13.0	22.1	15.43
Disagree	49.5	44.2	48.1	47.18
Not sure	19.8	26.5	21.4	22.86

* $p < 0.001$

** $p < 0.01$

*** $p < 0.05$

The groups differed significantly on certain items. These items and the statistical significant values are presented below: item 1, between all 3 groups ($\chi^2=50.86$, $p < 0.001$); item 3, between the Hospital Group and Kwa Mashu Group ($\chi^2=19.16$, $p < 0.001$) and the Kwa Mashu Group and Umlazi Group ($\chi^2 = 27.69$, $p < 0.001$); item 4, all 3 groups ($\chi^2 = 17.85$, $p < 0.01$); item 5, between all 3 groups ($\chi^2=17.93$, $p < 0.01$); item 9, between all 3 groups ($\chi^2=33.24$, $p < 0.001$); item 10, between all 3 groups ($\chi^2=61.59$, $p < 0.001$); item 11, between all 3 groups ($\chi^2=37.05$, $p < 0.001$); item 12, between the Hospital Group and Kwa Mashu Group ($\chi^2=9.37$, $p < 0.05$) and between the Kwa Mashu and Umlazi Group ($\chi^2=12.30$, $p < 0.01$); item 13, between all 3 groups ($\chi^2=68.92$, $p < 0.001$); item 14, between the Hospital Group and Kwa Mashu Group ($\chi^2=23.66$, $p < 0.001$) and the Kwa Mashu Group and Umlazi Group ($\chi^2=22.96$, $p < 0.001$); item 15, between the Kwa Mashu Group and Umlazi Group ($\chi^2=15.14$, $p < 0.01$); item 16, between the Hospital Group and Umlazi Group ($\chi^2=8.97$, $p < 0.05$) and between the Kwa Mashu Group and Umlazi Group ($\chi^2=13.37$,

$p < 0.01$); on item 17, between the Hospital Group and Kwa Mashu Group ($\chi^2 = 15.89$, $p < 0.01$) and the Kwa Mashu Group and Umlazi Group ($\chi^2 = 20.70$, $p < 0.001$); on item 18, between the Hospital Group and Umlazi Group ($\chi^2 = 17.92$, $p < 0.001$) and between the Kwa Mashu Group and Umlazi Group ($\chi^2 = 14.87$, $p < 0.01$); item 19, between Kwa Mashu Group and Umlazi Group ($\chi^2 = 11.30$, $p < 0.01$); item 20, between the Hospital Group and Kwa Mashu Group ($\chi^2 = 20.65$, $p < 0.001$) and the Kwa Mashu Group and Umlazi Groups ($\chi^2 = 21.85$, $p < 0.001$); item 21, between the Kwa Mashu Group and Umlazi Group ($\chi^2 = 14.63$, $p < 0.01$); item 22, between the Hospital Group and Kwa Mashu Group ($\chi^2 = 19.64$, $p < 0.001$) and the Kwa Mashu Group and Umlazi Group ($\chi^2 = 36.65$, $p < 0.001$); item 23, between the Kwa Mashu Group and Umlazi Group ($\chi^2 = 13.79$, $p < 0.01$); item 24, between the Hospital Group and Umlazi Group ($\chi^2 = 11.53$, $p < 0.01$) and the Kwa Mashu Group and Umlazi Group ($\chi^2 = 25.73$, $p < 0.001$); item 26, between the Kwa Mashu Group and Umlazi Group ($\chi^2 = 13.69$, $p < 0.01$); item 27, between all 3 groups ($\chi^2 = 44.67$, $p < 0.001$); item 28, between the Hospital Group and Kwa Mashu Group ($\chi^2 = 13.82$, $p < 0.01$) and the Kwa Mashu Group and Umlazi Group ($\chi^2 = 14.65$, $p < 0.01$); item 29, between the Hospital Group and Kwa Mashu Group ($\chi^2 = 22.09$, $p < 0.001$) and the Kwa Mashu Group and Umlazi Group ($\chi^2 = 27.63$, $p < 0.001$); item 30, between the Hospital Group and Kwa Mashu Group ($\chi^2 = 13.82$, $p < 0.01$) and, item 31, between Hospital Group and Kwa Mashu Group ($\chi^2 = 14.09$, $p < 0.01$). The means and standard deviations of each item for the groups appear in Table XXXVIII

Item 1 assessed the belief that a person gets sick because they are not strong. On this item the Hospital Group agreed more than the community groups. Overall the respondents did 'agree' or 'sometimes agree' that if a person is not strong enough he will get sick. It seems that those who attend the hospitals have a stronger belief that those who are ill are not strong. There was some who disagreed with this view ranging from 22.6% in the Hospital Group to 37.7% in the community Group. There was general agreement by all groups that a person's diet may lead to illness (item 2). This is in keeping with reasons the subjects

offered why people get sick (Table XXXV). The subjects tended to disagree with the view that illness is due to desertion by God (item 3), especially those in the Kwa Mashu Group (71.4%). Although there is agreement that it sometimes could be true. The belief that illness is caused by infection was overwhelmingly endorsed by all subjects (item 4).

Item 5, which required the subjects to respond to the belief that illness was caused by witchcraft or sorcery yielded mixed responses. Half of the subjects either agreed or sometimes agreed or disagreed. Although the belief is not a dominant one it obviously is an important belief in interpreting and understanding their illnesses. In item 6 that deals with the belief that 'sickness is due to a curse or bewitchment by others, there were also mixed response. There is, however, a slightly higher tendency to disagree with such beliefs. There is a general belief among the subjects that lack of or inadequate regular exercise leads to ill health (item 7). Although small, there are some who disagree or are not sure of the benefits of regular exercise. Most subjects disagreed with the belief that sickness comes from the devil (item 8). On the average 25.62% where not sure. A similar percentage agreed or sometimes agreed.

The consulting of doctors as the only help-seeking behaviour when seriously ill (item 9) was a dominant health seeking behaviour. Yet most of the subjects disagreed with the belief that only doctors can treat people who are ill (item 10), this being more so in the community Groups than the Hospital Group. Of those who agreed with this belief, the Hospital Group showed greater agreement. On item 11, which assessed the belief that there is nothing a person can do to prevent illness, a large number disagreed; 16.74% agreed, 21.91 % sometimes agreed and 17.19% were not sure. This may indicate that there is a belief in an internal locus of control in the prevention of illness. Sickness as a result of poor self care and/or hygiene was endorsed by most of the subjects (item 12).

The interviewees agreed or sometimes agreed that some illness cannot be treated by medical doctors (item 13). This would suggest then that if individuals do not believe that doctors can treat all illnesses they would seek help from other sources and persons they

felt would provide appropriate treatment. Subjects also endorsed the belief that sometimes illnesses are inherited (item 14).

On item 15, subjects endorsed the belief that taking care of oneself can prevent illnesses. 19.21% disagreed and 15.03% were not sure. Again, the issue of internal locus of control in health behaviour must be considered. The subjects felt that they were able to effect a cure themselves when ill (item 16); 27.36% disagreed and 16.78% were not sure. However, they did not see any reason to blame themselves for the illness (item 17). Only in a few instances did they agree that their illness could be their fault.

'Visiting a doctor for regular check ups can prevent a person getting sick' was agreed or sometimes agreed by most respondents (item 18). However, 14.09% disagreed and 16.46% were not sure. In addition, subjects expressed the belief that doctors can treat symptoms but not the cause (item 19).

There was a generalised response to the belief that most illnesses can be treated at home (item 20); 24.49% agreed, 30.70% agreed sometimes, 26.41% disagreed and 18.40% were not sure. Respondents also believed that older people know a lot about illnesses and that they can provide appropriate advice (item 21); 29.91% agreed and 30.70% sometimes agreed.

Item 22 dealt with the belief that people should pray to God to cure them of their illness. The response varied from 27.64% agreeing, 29.44% agreeing sometimes, 22.70% disagreeing and 20.22% not being sure. Item 23 looked at the belief that people get sick because they are lazy and do not work hard enough. Most of the subjects sometimes agreed (35.85%).

Beliefs about the treatment given by elders or older people was assessed by item 24. The most common response was 'sometimes agree' (37.02%). The second highest response was not sure (23.59%); 18.17% agreed and 21.22% disagreed.

As much as 49.21% of the subjects disagreed with the belief that illness is a form of punishment for the wrong or bad things that a person has done (item 25). However, 19.41% agreed sometimes, 11.17% agreed and 20.20% were not sure.

The belief that a person gets sick as a result of something invading their body (item 26) was a widely accepted belief by subjects either agreeing (39.37%) or sometimes agreeing (31.79%). Only 13.46% were not sure and 15.38% disagreed with the statement. The Kwa Mashu subjects showed the highest agreement with the statement (49.4%) and lowest disagreement (10.4%). Item 27 assessed the belief that sickness occurred as a result of not performing the required rituals or prayers to the ancestors. Although 43.53% disagreed with this belief, 12.04% agreed, 20.25% agreed sometimes and 24.18% were not sure. The Kwa Mashu subjects demonstrated the least agreement with the statement (5.2%) and highest disagreement (59.7%). A varied response was obtained for the belief that people can become ill if they walk or cross over a path or place where some ritual was performed (item 28). The response 'sometimes agree' was the most common (22.57%), while 22.57% agreed and 21.33% were not sure. 25.17% disagreed with the belief. The Kwa Mashu Group demonstrated the lowest agreement with this belief.

The belief that sickness is the result of malfunctioning or improper function of the body (item 29) appears to be a common belief of the respondents; 34.76% agreed and 36.23% sometimes agreed. The Kwa Mashu subjects showed a high agreement with the statement (50.0%) and the lowest disagreement (5.8%).

There was a high disagreement with statement 30 that illness is due to demon, evil or bad spirit possession (48.48%). Both the community Groups showed low agreement; Umlazi 9.9% and Kwa Mashu 9.7%. The Hospital Group demonstrated more agreement with the belief (14.9%). However, the Hospital Group also responded with the highest disagreement (51.9%).

The last item assessed the belief that illness is due to punishment or desertion by the ancestors. The respondents showed high disagreement with this belief (47.18%).

Although, 22.86% were not sure, 14.53% agreed and 15.43% sometimes agreed with the belief. The Kwa Mashu Group indicated a low agreement with this belief.

TABLE XXXVIII
MEANS AND STANDARD DEVIATIONS OF EACH HBQ ITEM FOR GROUP

Item No.	Hospital		Umlazi			Kwa Mashu	
	Mean	SD	Mean	SD	Mean	SD	
1	1.88	0.99	1.98	0.91	2.45	0.98*	
2	1.55	0.73	1.64	0.72	1.67	0.78	
3	2.72	0.85	2.62	0.85	2.94	0.62*	
4	1.54	0.78	1.68	0.88	1.47	0.81**	
5	2.43	1.05	2.55	1.03	2.65	0.94**	
6	2.72	1.02	2.75	0.93	2.76	0.93	
7	2.07	1.04	2.07	1.07	1.99	0.93	
8	2.83	0.96	2.89	0.91	2.90	0.95	
9	2.02	1.08	2.24	1.16	1.86	0.84*	
10	2.55	1.00	2.86	0.89	2.72	0.79*	
11	2.50	0.97	2.73	0.95	2.65	0.91*	
12	2.06	0.99	2.13	1.01	1.82	0.82***	
13	1.99	1.01	1.92	1.09	1.43	0.89*	
14	2.20	0.97	2.11	0.98	2.08	0.76*	
15	2.17	1.03	2.29	1.07	2.02	0.88**	
16	2.39	0.96	2.43	1.07	2.36	0.90***	
17	2.66	0.85	2.79	0.87	2.67	0.67*	
18	1.98	1.05	2.30	1.13	1.93	0.95*	
19	2.06	1.06	2.27	1.12	2.03	0.96***	
20	2.33	1.06	2.39	1.05	2.52	1.01*	
21	2.16	1.06	2.34	1.12	2.11	0.94**	
22	2.35	1.08	2.53	1.11	1.93	0.93*	
23	2.42	0.97	2.50	1.03	2.59	0.92**	
24	2.49	1.02	2.51	1.11	2.53	0.93*	
25	2.73	0.94	2.81	0.89	2.84	0.78	
26	1.97	0.99	2.17	1.08	1.84	1.04**	
27	2.63	0.98	2.93	0.96	2.98	0.74*	
28	2.38	1.06	2.44	1.10	2.66	0.95**	
29	2.11	1.00	2.15	0.99	1.74	0.94*	
30	2.74	0.93	2.86	0.89	2.81	0.93**	
31	2.73	0.95	2.81	1.01	2.85	0.84**	

* $p < 0.001$

** $p < 0.01$

*** $p < 0.05$

A factor analysis with varimax rotation (SAS package) of the items was done. Nine factors were retained according to the Mineigen criterion. Items with loading of 0.35 or more were included in each factor. The factor analysis revealed nine factors with eigenvalues >1 . The results of the factor analysis appear in Table XXXIX.

TABLE XXXIX
FACTOR ANALYSIS OF THE HBQ (COMBINED)

Items	Loading* value	Eigen- value	Vari- ance %
Factor 1		4.33	3.06
31. Illness is due to punishment or desertion by the ancestors	0.81		
30. Illness is due to demon, evil or bad spirit possession	0.75		
6. People get sick because someone as cursed or done something evil towards them	0.63		
25. Illness is a form of punishment for the wrong or bad things a person has done	0.54		
5. Illness is caused by witchcraft or sorcery	0.53		
27. Sickness occurs because you do not do the rituals or prayers required by the priest or ancestors	0.53		
28. A person can become ill if they walk or cross over a path or spot where some ritual was performed	0.46		
8. Sickness 'comes' from the devil	0.43		
Factor 2		3.27	2.41
3. Illness is due to desertion by God	0.74		

1.	People get sick because they are not strong		0.60		
17.	If a person gets sick it is their own fault		0.56		
Factor 3				1.94	2.08
2.	People get sick because they do not eat the proper foods		0.68		
4.	Illness is caused by infection	0.50			
12.	People get sick because they do not keep themselves clean		0.46		
14.	People inherit illnesses from their parents		0.43		
Factor 4				1.51	2.01
20.	Most illnesses can be treated at home		0.71		
24.	When sick, the treatment given by elders or older people can really be helpful	0.64			
21.	Older people know a lot about illness and can advise others what to do		0.63		
16.	People are able to cure themselves when they are sick		0.49		
Factor 5				1.25	1.84
29.	Sickness occurs because your body is not functioning properly		0.66		
23.	People get sick because they are lazy and do not work hard enough		0.58		
7.	People get sick because they do not exercise regularly		0.58		
26.	People get sick when something foreign invades their body		0.50		
Factor 6				1.18	1.46
10.	Doctors are the only ones who can treat people who are ill		0.70		
11.	There is nothing a person can do to prevent themselves from getting ill	0.61			
9.	People go to doctors only when they are seriously ill		0.41		

Factor 7		1.15	1.45
18.	Visiting a doctor for regular check ups can prevent a person getting sick	0.79	
15.	If a person takes good care of themselves they will not get sick	0.60	
Factor 8		1.07	1.24
22.	People should pray to God to cure them of their illness	0.68	
Factor 9		1.01	1.19
19.	Doctors can make the illness better but they cannot treat the cause	0.80	

* Items with loadings of 0.35 or more on a factor were retained.

The nine factors which emerged could be described as follows:

Factor 1: External evil or ancestral influence - cultural (aetiology)

The items that loaded on this factor suggest that the aetiology of illness is the result of 'punishment or desertion by the ancestors'; 'demon, evil or bad spirit possession'; 'because someone has cursed or done something evil towards another'; 'form of punishment for the wrong or bad things a person has done' 'witchcraft or sorcery'; 'do not do the rituals or prayer required by the priest or ancestors'; 'they walk or cross over a path or spot where some ritual was performed'; 'comes from the devil'.

Factor 2: Self blame (aetiology)

The items that loaded on this factor supports the aetiology of illness as a result of the individual not being strong enough. Illness is due to desertion by God; because people are not strong; or it is the individual's fault.

Factor 3: Medical reason (aetiology)

The items that loaded on this factor suggest that people get sick because they do not eat the proper foods; illness is caused by infection; people get sick because they do not keep themselves clean; people inherit illnesses from their parents.

Factor 4: Self medication (treatment)

This factor deals with treatment. The items that loaded here suggest that most illnesses can be treated at home; treatment given by elders or older people can really be helpful; older people know a lot about illness and can advise others what to do and people are able to cure themselves when they are sick.

Factor 5: Physical weakness or body malfunctioning (aetiology)

This factor suggests that sickness occurs because the body is not functioning properly; people get sick because they are lazy and do not work hard enough; or they do not exercise regularly or people get sick when something foreign invades their body.

Factor 6: Medical (treatment)

The items that loaded on this factor supports the view that doctors are the only ones who can treat people who are ill, that there is nothing a person can do to prevent themselves from getting ill and that people go to doctors only when they are seriously ill.

Factor 7: Self care (prevention)

This factor represents items that involve self care as a preventative measure against illness. The items that loaded on this factor included visiting a doctor for regular check ups to prevent a person getting sick; if a person takes good care of themselves they will not get sick;

Factor 8: Use of prayer (treatment)

The item that loaded on this factor 'people should pray to God to cure them of their illness' suggest prayer and the evoking of God's assistance as a method of treatment.

Factor 9: Holistic belief (treatment)

This factor suggest that the medical model is only partly effective as a treatment. The item loading on this factor 'doctors can make the illness better but they cannot treat the cause' suggest additional methods to the medical model.

Factor scores were calculated for each of the nine factors by adding the values on each item. A multivariate analysis (MANOVA) was performed on the nine factors with main

effects: group, sex and urbanisation (0-5 years and >5 years). Age was used as a covariate. The factor scores for each factor is found in Table XL.

TABLE XL
MEAN FACTOR SCORES ON THE NINE FACTORS RELATING TO HEALTH BELIEF

Factor	Hospital		Umlazi		Kwa Mashu	
	Mean	SD	Mean	SD	Mean	SD
1	17.83	4.31	18.99	3.86	19.37	4.23
2	8.55	1.80	8.45	1.67	8.77	1.25
3	6.65	1.69	6.69	1.85	6.46	1.53
4	7.90	1.95	7.82	1.92	8.36	2.29
5	7.31	2.03	7.12	1.86	7.00	1.81
6	6.17	1.62	6.61	1.32	6.82	1.44
7	3.52	1.22	3.79	1.08	3.57	1.22
8	1.95	0.80	2.03	0.82	1.74	0.72
9	1.72	0.73	1.83	0.78	1.79	0.71

On factor 1 no main effects or interactions were found.

On Factor 2 there was significant differences between living in an urban area for 0-5 years and >5 years. ($F(1, 885)=13.59, p=0.0003$). On Factor 3 the analysis revealed significant differences in the group by urban interaction ($p=0.0179$), and significance with effect on age ($p=0.0015$). Significant differences between the Hospital, Umlazi and Kwa Mashu Groups ($p=0.0220$), urban ($p=0.0355$), group by urban interaction ($p=0.0031$) were found on factor 4.

On factor 5 significant differences were found between groups ($p=0.0012$), groups by urban interaction ($p=0.0003$) and age ($p=0.0483$)

For factor 6 significant differences were found between groups ($p=0.0370$) and between groups by interaction ($p=0.0370$).

Significant differences were found on factor 7 depending on the number of years patients were living in an urban area ($p=0.0165$), in group by sex ($p=0.0407$) and in group by living in urban areas ($p=0.0250$).

On factor 8 the significant differences were between groups ($p=0.0146$) and between group by urban dwelling ($p=0.0137$).

On factor 9 significant differences were found in group by urban dwelling ($p=0.0423$) and age ($p=0.0106$).

5.10 SOCIAL SUPPORT

The reliability of the SSQ was determined by subjecting it to the Cronbach's alpha test. A Cronbach's coefficient alpha of 0.91 was obtained. Table XLI lists the percentage of responses on each item. It would appear from the responses that the subjects in all groups were generally satisfied with the social support they received and perceived themselves as a source of support as well.

TABLE XLI
COMPARISONS OF SSQ ITEMS BETWEEN GROUPS (in %)

	Hospital (N=368)	Umlazi (N=360)	Kwa Mashu (N=152)	Combined (N=880)
1. Who can you really count on to listen to you when you need to talk?				
Very satisfied	60.05	53.31	64.24	58.00
Satisfied	39.13	46.69	35.10	41.54
Dissatisfied	0.82	0.00	0.00	0.34
Very dissatisfied	0.00	0.00	0.66	0.11
2. Who could you really count on to help you in an emergency or crisis situation.				
Very satisfied	52.72	52.50	57.89	53.52
Satisfied	46.26	46.94	40.79	45.57
Dissatisfied	0.82	0.28	1.32	0.68
Very dissatisfied	0.27	0.28	0.00	0.23
3. Who helps you feel that you are a good and worthwhile person?				
Very satisfied	55.59	52.22	51.66	53.53
Satisfied	42.78	46.39	45.70	44.76
Dissatisfied	1.09	0.83	0.66	0.91
Very dissatisfied	0.54	0.56	1.99	0.80

4.	Whom can you really go to when you are worried and/or under pressure?					
	Very satisfied	53.53	52.91	42.38	51.36	
	Satisfied	44.57	46.26	56.95	47.36	
	Dissatisfied	1.63	0.55	0.66	1.02	
	Very dissatisfied	0.27	0.28	0.00	0.23	
5.	Who can you count on when you generally need help for reasons other than an emergency or crisis?					
	Very satisfied	48.50	49.58	41.72	47.78	
	Satisfied	50.14	49.58	54.97	50.74	
	Dissatisfied	1.36	0.83	2.65	1.37	
	Very dissatisfied	0.00	0.00	0.66	0.11	
6.	Who can you really count on to help you if things go wrong, you have a mishap or run out of luck? (eg. fired from your job, meet an accident, etc.)					
	Very satisfied	50.95	49.58	47.37	49.77	
	Satisfied	47.97	50.15	48.68	48.97	
	Dissatisfied	0.81	0.28	3.95	1.13	
	Very dissatisfied	0.27	0.00	0.00	0.11	
7.	Who can you really count on to give you useful advice, guidance or suggestions that help you to avoid making mistakes?					
	Very satisfied	48.91	48.20	49.34	48.69	
	Satisfied	49.46	50.42	49.34	49.83	
	Dissatisfied	1.36	1.39	1.32	1.36	
	Very dissatisfied	0.27	0.00	0.00	0.11	
8.	Who do you feel would help if a family member					

or someone very close
to you died?

Very satisfied	45.11		49.72	42.00	46.47
Satisfied	53.26	47.78	54.67	51.25	
Dissatisfied	1.36	2.22	2.67	1.94	
Very dissatisfied	0.27		0.28	0.67	0.34

9. Who do you feel truly
loves you deeply?

Very satisfied	55.83		57.50	70.20	58.98
Satisfied	43.09	41.94	29.80	40.34	
Dissatisfied	0.54	0.28	0.00	0.34	
Very dissatisfied	0.54		0.28	0.00	0.34

10. Who can you count on to
comfort/ console you when
you are very upset?

Very satisfied	46.17		48.88	53.33	48.51
Satisfied	51.91	50.84	46.00	50.46	
Dissatisfied	1.64	0.28	0.67	0.92	
Very dissatisfied	0.27		0.00	0.00	0.11

11. Who can you really count
on to support you in major
decisions or plans you make?

Very satisfied	50.68		44.60	52.00	48.41
Satisfied	48.23	54.29	47.33	50.57	
Dissatisfied	1.09	1.11	0.00	0.91	
Very dissatisfied	0.00		0.00	0.67	0.11

12.	Who do you know whom you can trust with a secret or information that could get you in trouble?					
	Very satisfied	49.86	45.98	50.34	48.34	
	Satisfied	48.77	52.91	46.26	50.06	
	Dissatisfied	0.82	0.83	2.72	1.14	
	Very dissatisfied	0.54	0.28	0.68	0.46	
13.	Who do you count on when you are ill?					
	Very satisfied	49.05	40.28	57.33	46.87	
	Satisfied	49.05	58.89	41.33	51.76	
	Dissatisfied	1.63	0.56	0.67	1.02	
	Very dissatisfied	0.27	0.28	0.67	0.34	
14.	Who can you really count on when you get into trouble?					
	Very satisfied	48.91	42.46	54.05	47.13	
	Satisfied	50.55	55.87	45.95	51.95	
	Dissatisfied	0.55	1.40	0.00	0.80	
	Very dissatisfied	0.00	0.28	0.00	0.11	
15.	Who do you think will come to you if they had a need or problem?					
	Very satisfied	57.14	48.19	45.27	51.44	
	Satisfied	41.76	50.97	52.70	47.42	
	Dissatisfied	1.10	0.56	1.35	0.92	
	Very dissatisfied	0.00	0.28	0.68	0.23	

The means and standard deviations of the subjects' responses for each item on the SSQ are presented in Table XLIV.

TABLE XLII
MEANS AND STANDARD DEVIATIONS OF SSQ ITEMS BY GROUPS

Item No.	Hospital		Umlazi		Kwa Mashu	
	Mean	SD	Mean	SD	Mean	SD
1.	3.59	0.51	3.53	0.50	3.63	0.52
2.	3.51	0.53	3.52	0.52	3.57	0.52
3.	3.53	0.55	3.50	0.55	3.47	0.62
4.	3.51	0.55	3.52	0.53	3.42	0.51
5.	3.47	0.53	3.49	0.52	3.38	0.57
6.	3.50	0.53	3.49	0.51	3.43	0.57
7.	3.47	0.54	3.47	0.53	3.48	0.53
8.	3.43	0.54	3.47	0.56	3.38	0.58
9.	3.54	0.54	3.57	0.52	3.70	0.46
10.	3.44	0.54	3.49	0.51	3.53	0.51
11.	3.50	0.52	3.43	0.52	3.52	0.54
12.	3.48	0.55	3.45	0.53	3.46	0.59
13.	3.47	0.55	3.39	0.52	3.55	0.55
14.	3.48	0.51	3.41	0.54	3.54	0.50
15.	3.56	0.51	3.47	0.53	3.43	0.56

5.10.1 Comparisons of groups on accessibility and proximity

Analysis of variance was performed on the variables accessibility (immediate and delayed) and proximity (nearby and far). Significant differences were found between the three groups on all these variables (Table XLII).

TABLE XLIII
ANOVA OF ACCESSIBILITY AND PROXIMITY

	df	F	p
<hr/>			

Accessibility:				
Immediate	2	98.72		p<0.0001*
Delayed	2	71.07		p<0.0001**

Proximity:				
Nearby	2	110.30		p<0.0001*
Far	2	67.08		p<0.0001**

Duncan's Multiple Range Test was performed as a post hoc test for pairwise comparisons. The results are found in Table XLIII.

The mode in which the subjects obtained their support was as follows: Hospital Group (N=376), 304 (80.85%) used the telephone and 123 (32.71%) wrote; Umlazi Group (N=362), 20 (5.52%) used the telephone and 100 (27.62%) wrote; with the Kwa Mashu Group (N=154), 147 (95.45%) telephoned and 92 (59.74%) wrote. Both the Hospital and the Kwa Mashu Groups used the telephone as the main means of communication and for obtaining social support. The other way was by postal service.

A factor analysis of the subjects' responses on the fifteen items on the SSQ was done. The rotational varimax method was used and two factors emerged (Table XLV).

TABLE XLIV
DUNCAN'S MULTIPLE RANGE TEST

	Duncan's Grouping Mean	N	Group
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Accessibility (immediate)

A	3.43	154	Kwa Mashu
B	2.03	362	Umlazi
C	1.75	376	Hospital

Accessibility (delayed)

A	1.66	154	Kwa Mashu
B	0.69	362	Umlazi
B	0.62	376	Hospital

Proximity (Nearby)

A	3.40	154	Kwa Mashu
B	2.00	362	Umlazi
C	1.64	376	Hospital

Proximity (Far)

A	1.71	154	Kwa Mashu
B	0.70	362	Umlazi
B	0.70	376	Hospital

The subjects reported obtaining social support from mainly family and friends. The family support was as follows: mother (27,78%), spouse (22.53%), friend (7.80%), brother (7.17%), father (6.59%), sister (5.38%), children (4.16%) and priest/minister (1.34). No subject reported father support on item 10 - 'Who can you count on to comfort or console you when you are very upset?'

TABLE XLV
FACTOR ANALYSIS OF THE SSQ (COMBINED)

	Items	Loading*	Eigen- value	Vari- ance %
Factor 1			6.74	4.21
2.	Who could you really count on to help you in an emergency or crisis situation?	0.72		
4.	Who can you really go to when you are worried and/or under pressure?	0.72		
5.	Who can you count on when you generally need help for reasons other than an emergency or crisis?	0.72		
6.	Who can you really count on to help you if things go wrong, you have a mishap or run out of luck? (eg. fired from your job, meet an accident, etc.)	0.71		
3.	Who helps you feel that you are a good and worthwhile person?	0.70		
1.	Who can you really count on to listen to you when you need to talk?	0.65		
7.	Who can you really count on to give you useful advice, guidance or suggestions that help you to avoid making mistakes?	0.63		
8.	Who do you feel would help if a family member or someone very close to you died?	0.54		
Factor 2			1.37	3.90
13.	Who do you count on when you are ill?	0.78		
14.	Who can you really count on when you get into trouble?	0.75		
15.	Who do you think will come to you if they had a need or problem?	0.72		
12.	Who do you know whom you can trust with a secret or information that could get you in trouble?	0.71		
11.	Who can you really count on to support you in major decisions or plans you make?	0.69		
10.	Who can you count on to comfort/ console you when you are very upset?	0.59		
9.	Who do you feel truly loves you deeply?	0.56		

* Items with loadings of 0.35 or more on a factor were retained

Factor 1

The items that loaded high on this factor deals with support in an emergency or crisis situation; when you are worried and/or under pressure; need help for reasons other than an emergency or crisis; help you if things go wrong, you have a mishap or run out of luck? (eg. fired from your job, meet an accident, etc.); helps you feel that you are a good and worthwhile person; to listen to you when you need to talk; to give you useful advice, guidance or suggestions that help you to avoid making mistakes; help if a family member or someone very close to you died.

Factor 2

The items that loaded high on this factor deals with support when ill; when you get into trouble; if they had a need or problem; can trust with a secret or information that could get you in trouble; in major decisions or plans you make; to comfort/ console you when you are very upset'; who you feel truly loves you deeply.

Factor scores for each of the factors on the social support questionnaire were calculated by adding the values for each item on the factor. A 3-way Multivariate Analysis of Variance (MANOVA) was performed on the two factors to determine whether there were differences between the 3 groups (Hospital, Umlazi and Kwa Mashu), between males and females and between living in an urban area for 0-5 years and >5 years. (The MANOVA tests for within subject effects and related interactions). The actual age was used as a covariate in the analysis.

The overall F tests yielded significant effects for both Factor 1 ($F=2.08$, $p<0.0162$) and Factor 2 ($F=1.83$, $p<0.0404$).

On Factor 1 the main effects (group, sex and urban dwelling) showed no significant results. However there were significant interactions between group by sex ($p=0.0072$), group by urban dwelling ($p=0.0178$) and sex by urban dwelling ($p=0.0289$). See Table XLVI.

TABLE XLVI
MANOVA ON FACTOR 1 OF SSQ

	df	SD	F	p
Group	2	31.06	1.64	0.1940
Sex	1	27.49	2.91	0.0885
Urban	1	3.76	0.40	0.5284
Group by sex	2	93.86	4.97	0.0072*
Group by urban	2	76.54	4.05	0.0178**
Sex by urban	1	5.27	4.79	0.0289**
Group by sex by urban	2	34.30	1.81	0.1636
Age	1	57.92	6.13	0.0135**

* $p < 0.01$

* $p < 0.05$

A significant group by sex interaction meant that the males and the females in the 3 groups responded differently to factor 1. Age also had a significant effect on the factor ($p=0.0135$).

Table XLVII shows the significant interactions on factor 2 between group and sex ($p=0.0465$) and group by urban dwelling ($p=0.0160$).

TABLE XLVII
MANOVA ON FACTOR 2 OF SSQ

	df	SD	F	p
Group	2	16.59	1.11	0.3291
Sex	1	17.68	2.37	0.1238
Urban	1	20.43	2.74	0.0981
Group by sex	2	45.89	3.08	0.0465*
Group by urban	2	61.98	4.16	0.0160*
Sex by urban	1	5.50	0.74	0.3905
Group by sex by urban	2	10.66	0.72	0.0894
Age	1	1.23	0.17	0.6846

* $p < 0.05$

It is also apparent from the MANOVA that there is a good correlation between Factor 1 and Factor 2 ($r = 0.670$).

5.11 SYMPTOM PERCEPTIONS

Reliability was determined using the Cronbach's coefficient alpha test. A high reliability of 0.96 was achieved. The percentage of subjects in each group who had experienced the symptoms in the modified symptom inventory is found in Table XLVIII.

TABLE XLVIII
EXPERIENCE OF SYMPTOMS BY EACH SUBJECT BY GROUP

	Symptom	Hospital	Umlazi	Kwa Mashu	Total
1	Headaches	93.86	92.07	93.42	93.12
2	Nervousness or shakiness inside	53.98	47.59	66.45	56.01
3	Being unable to get rid of bad thoughts or ideas	31.52	29.12	36.49	32.38
4	Faintness or dizziness	59.93	43.05	65.33	56.10
5	Loss of sexual interest or pleasure	25.45	20.28	42.28	29.34
6	Feeling critical of others	29.09	40.00	27.63	32.24
7	Bad dreams	65.34	58.13	68.21	63.89
8	Difficulty in speaking when you are excited	50.54	55.52	48.00	51.35
9	Trouble remembering things	48.55	45.33	52.32	48.73
10	Worried about sloppiness or carelessness	48.73	50.35	51.66	50.25
11	Feeling easily annoyed or irritated	56.52	51.22	63.58	57.12
12	Pains in the heart or chest	40.43	32.17	44.08	38.89
13	Itching	48.55	44.95	81.21	58.24
14	Feeling low in energy or slowed down	56.36	57.04	78.15	63.85
15	Thoughts of ending your life	18.84	30.66	11.84	20.44
16	Sweating	71.38	65.97	68.87	68.74
17	Trembling	42.55	37.98	27.81	36.11
18	Feeling confused	50.36	42.86	51.32	48.18
19	Poor appetite	61.96	63.88	63.58	63.14
20	Crying easily	35.87	37.63	26.67	33.39
21	Feeling shy or uneasy with the opposite sex	37.09	35.44	31.58	34.70
22	A feeling of being trapped or caught	25.82	32.40	18.42	25.55
23	Suddenly afraid for no reason	34.55	35.89	33.55	34.66
24	Temper outburst you could not control	49.82	50.17	46.71	48.90
25	Constipation	52.73	59.16	79.47	63.79
26	Blaming yourself for things	50.18	54.86	64.00	56.35
27	Pains in the lower part of your back	52.19	49.13	54.00	51.77

28	Feeling blocked or stymied in getting things done	35.79	35.44	42.38	37.87
29	Feeling lonely	46.91	50.69	72.37	56.66
30	Feeling blue	40.22	47.06	59.87	49.05
31	Worrying or stewing about things	48.00	54.33	74.17	58.83
32	Feeling no interest in things	42.34	38.19	58.94	46.49
33	Feeling fearful	38.77	41.96	47.33	42.69
34	Your feelings being easily hurt	41.82	44.10	51.32	45.75
35	Having to ask others what you should do	51.83	51.21	54.61	52.55
36	Feeling others do not understand	38.69	47.74	49.01	45.15
37	Feeling that people are unfriendly or dislike you	34.07	48.59	43.71	42.12
38	Having to do things very slowly in order to be sure you are doing them right	57.86	59.52	61.18	59.52
39	Heart pounding or racing	44.77	33.80	43.71	40.76
40	Nausea or upset stomach	53.99	54.17	72.85	60.34
41	Feeling inferior to others	41.30	56.40	36.18	44.63
42	Soreness of your muscles	45.29	43.94	63.16	50.80
43	Loose bowel movements	63.64	76.82	72.37	70.94
44	Difficulty in falling asleep or staying asleep	50.91	43.94	74.83	56.56
45	Having to check and double check what you do	58.39	55.71	75.66	63.25
46	Difficulty making decisions	40.88	36.81	60.26	45.98
47	Wanting to be alone	48.18	38.06	52.63	46.29
48	Trouble getting your breath	33.45	31.25	26.00	28.23
49	Hot or cold spells	45.99	40.21	59.73	48.64
50	Having to avoid certain places or activities because they frighten you	36.86	42.01	46.26	41.71
51	Your mind going blank	24.54	28.13	19.21	23.96
52	Numbness or tingling in parts of your body	26.37	24.13	23.65	24.72
53	A lump in your throat	29.20	29.72	38.67	32.53
54	Feeling hopeless about the future	35.40	33.33	41.33	36.69
55	Trouble concentrating	32.12	32.64	37.75	34.17
56	Weakness in parts of your body	35.77	25.00	20.95	27.24
57	Feeling tense or keyed up	30.40	29.51	28.67	29.53
58	Heavy feelings in your				

	arms or legs	33.94	29.51	27.52	30.32
Additional items					
59	Fever	79.93	79.44	88.74	82.70
60	Chills	64.47	70.48	75.66	70.20
61	Sore throat	63.50	69.90	82.00	71.80
62	Aches and pains all over	62.41	59.16	70.39	63.99
63	Sneezing	66.42	59.93	86.75	71.03
64	Runny nose	51.27	43.55	67.32	54.05
65	Stomach pain	56.93	47.06	73.33	59.12
66	Swelling	34.18	24.31	26.67	28.39
67	Hair loss	21.82	36.24	27.15	28.40
68	Pain during urination	30.55	29.51	40.67	33.58
69	Skin rash	42.70	41.96	58.94	47.87
70	Coughing	66.18	61.94	80.00	69.37
71	Blurred vision	32.36	42.51	30.26	35.04
72	Slurred speech	20.36	25.69	18.54	21.53
73	Vomiting	31.64	32.29	48.67	37.53
74	Blood in stool	17.45	20.07	17.45	18.32
75	Coughing blood	21.09	19.10	9.21	16.47
76	Burning sensations all over or in certain parts of the body	36.36	35.79	23.49	31.88
77	Loss of weight	41.82	52.26	44.08	46.05
78	Swollen glands	21.45	23.26	15.13	19.95
79	Night sweats	46.91	39.58	36.18	40.89
80	Bleeding	20.07	26.65	24.83	23.85
81	Discharge from ear, nose or eyes	14.18	18.53	15.44	16.05
82	Vaginal or penile discharge	17.88	20.83	34.23	24.31
83	Blood in urine	11.31	16.96	15.54	14.60

5.12 SUBJECTS RATING OF SEVERITY OF SYMPTOMS

Table XLIX presents the mean and standard deviations of the subjects rating of severity of symptoms. The severity of the symptoms were rated as follows: not serious = 1; serious = 2 and very serious = 3. The mean score for each item indicates that the items were rated as being either serious or very serious by the subjects.

TABLE XLIX
MEAN AND STANDARD DEVIATION OF SEVERITY OF SYMPTOMS

Item No.	Hospital		Umlazi		Kwa Mashu	
	Mean	SD	Mean	SD	Mean	SD
1.	2.87	0.83	2.63	0.72	2.63	0.77
2.	2.34	0.87	2.05	0.82	2.45	0.93
3.	2.07	0.05	1.96	0.88	2.36	0.91
4.	2.36	0.89	2.04	0.89	2.54	0.84
5.	2.04	0.87	1.87	0.89	2.74	1.03
6.	2.09	0.81	2.21	0.97	2.17	0.84
7.	2.50	0.87	2.41	0.92	2.55	0.78
8.	2.29	0.84	2.34	0.99	2.49	0.85
9.	2.25	0.87	2.05	0.85	2.65	0.88
10.	2.35	0.93	2.35	1.01	2.46	0.82
11.	2.39	0.86	2.47	1.01	2.57	0.82
12.	2.19	0.88	1.99	0.89	2.52	0.82
13.	2.22	0.88	2.02	0.83	2.37	0.74
14.	2.36	0.92	2.21	0.83	2.21	0.62
15.	1.99	0.84	1.98	0.93	2.99	1.15
16.	2.50	0.92	2.14	0.76	2.26	0.67
17.	2.26	0.93	1.97	0.84	2.38	0.85
18.	2.28	0.94	2.06	0.90	2.59	0.90
19.	2.39	0.95	2.35	0.92	2.36	0.74
20.	2.15	0.94	2.12	0.99	2.24	0.82
21.	2.04	0.92	1.93	0.93	2.40	0.81
22.	1.96	0.86	1.87	0.94	2.41	0.94
23.	1.97	0.93	2.03	1.02	2.59	0.94
24.	2.18	1.04	2.43	1.09	2.69	0.90
25.	2.08	0.93	2.23	0.93	2.49	0.79
26.	2.15	0.99	2.23	1.03	2.53	0.86
27.	2.18	1.04	2.21	1.03	2.56	0.84
28.	2.03	0.99	1.80	0.82	2.59	0.94

29.	2.12	0.98	2.15	1.03	2.43	0.83
30.	2.08	1.02	2.01	1.01	2.33	0.85
31.	2.15	1.01	2.13	1.05	2.66	0.80
32.	2.05	0.96	1.90	0.97	2.49	0.86
33.	2.06	0.99	2.02	1.02	2.62	0.83
34.	2.09	1.01	2.12	1.06	2.61	0.83
35.	2.16	0.99	2.08	1.04	2.56	0.86
36.	2.09	0.99	2.24	1.09	2.54	0.84
37.	2.10	1.01	2.41	1.16	2.68	0.95
38.	2.35	1.09	2.50	1.15	2.70	0.93
39.	2.17	1.03	1.96	1.05	2.68	0.91
40.	2.15	0.98	2.15	0.99	2.49	0.77
41.	2.11	1.02	2.24	1.09	2.67	0.84
42.	2.09	1.05	2.09	1.12	2.34	0.82
43.	2.41	0.87	2.44	0.78	2.55	0.74
44.	2.24	0.88	2.02	0.82	2.73	0.73
45.	2.44	0.96	2.50	1.06	2.58	0.82
46.	2.27	0.89	2.02	0.92	2.70	0.78
47.	2.29	0.90	2.16	0.96	2.64	0.89
48.	2.07	0.83	1.95	0.89	2.71	0.97
49.	2.21	0.92	2.02	0.87	2.59	0.79
50.	2.17	0.92	2.22	1.02	2.62	0.86
51.	1.97	0.89	1.90	0.89	2.97	1.05
52.	2.02	0.90	1.85	0.82	2.39	0.94
53.	2.05	0.87	1.86	0.84	2.48	0.83
54.	2.23	0.91	2.02	0.94	2.83	0.87
55.	2.09	0.89	2.03	0.94	2.66	0.89
56.	2.11	0.88	1.90	0.87	2.37	0.96
57.	2.08	0.90	1.87	0.85	2.35	0.91
58.	2.14	0.89	1.98	0.93	2.21	0.89
59.	2.55	0.89	2.44	0.78	2.49	0.75
60.	2.45	0.93	2.44	0.78	2.53	0.80
61.	2.41	0.93	2.35	0.74	2.52	0.79
62.	2.41	0.94	2.34	0.86	2.32	0.74
63.	2.40	0.90	2.17	0.74	2.21	0.59
64.	2.25	0.92	2.18	0.92	2.28	0.71
65.	2.30	0.95	2.13	0.86	2.57	0.82
66.	2.07	0.90	1.90	0.90	2.55	0.89
67.	1.88	0.88	1.91	0.93	2.34	0.94
68.	1.99	0.94	1.94	0.92	2.57	0.84
69.	2.08	0.91	2.03	0.92	2.36	0.75
70.	2.30	0.98	2.17	0.88	2.42	0.71
71.	1.98	0.90	1.99	0.99	2.86	0.87
72.	1.88	0.89	1.72	0.89	2.39	0.88
73.	1.98	0.85	1.87	0.99	2.54	0.84
74.	1.84	0.88	1.65	0.92	2.59	0.97

75.	1.89	0.93	1.72	0.96	3.11	1.02
76.	2.05	0.94	1.91	0.95	2.35	0.80
77.	2.08	0.92	2.09	1.02	2.42	0.79
78.	1.89	0.91	1.75	0.95	2.48	0.95
79.	2.08	0.96	1.82	0.95	2.57	0.82
80.	1.80	0.85	1.79	1.00	3.07	1.04
81.	1.81	0.90	1.65	0.91	2.62	0.89
82.	1.87	0.93	1.67	0.96	3.20	0.99
83.	1.79	0.92	1.64	0.95	2.86	0.91

5.13 EXPERIENCE STRESSORS AND LIFE CHANGES

The response on the modified LES was subjected to the Cronbach's coefficient Alpha test and a reliability of 0.71 was obtained. This suggests that the questionnaire had good construct validity.

The LES contained a number of events which sometimes brings about change in the lives of individuals experiencing them and which necessitates social readjustment. The subjects were asked to indicate those events they had experienced within the past year. Table L lists the percentage of subjects in each group who had experienced these events.

TABLE L
EXPERIENCE OF STRESSOR PER GROUP

Event	Hospital %	Umlazi %	Kwa Mashu %	Total %
1. Marriage	34.9	42.3	11.0	29.40
2. Detention in jail or comparable institution	5.9	6.3	7.1	6.43
3. Death of spouse	6.9	9.9	5.2	7.33
4. Major change in sleeping habits (much more/less sleep)	11.2	6.1	18.8	12.03
5. Death of close family				
a. mother	12.0	17.4	5.8	11.73
b. father	22.9	15.7	9.7	16.10
c. brother	10.1	7.7	7.7	8.50
d. sister	15.7	12.5	3.2	10.47
e. grandmother	17.3	14.1	7.7	13.03
f. grandfather	12.5	7.4	9.1	9.67
g. other (specify)	10.3	6.6	16.9	11.27
6. Major change in eating habits	13.0	10.7	16.2	13.30
7. Foreclosure on mortgage or loan	1.8	2.3	2.6	6.70
8. Death of close friend	22.9	15.5	15.6	18.00
9. Outstanding personal achievement	8.8	6.9	19.5	11.73
10. Minor law violations (traffic tickets, disturbing the peace)	6.4	3.6	3.2	4.40
11. Male: wife/girlfriend pregnant	12.5	6.4	7.8	8.90
12. Female: pregnant	13.9	7.2	6.5	9.20
13. Changed work situation (different work responsibility, major change in working conditions & working hours)	5.6	5.8	14.3	8.57
14. New job	7.0	10.2	11.0	9.40
15. Serious illness of close family member:				
a. mother	13.3	6.9	9.7	9.97
b. father	7.7	4.5	6.5	6.23
c. brother	8.3	4.1	5.2	5.87

	d. sister	7.0	5.0	6.5	6.17
	e. grandmother	12.7	10.2	7.1	10.00
	f. grandfather	5.6	5.3	5.1	5.33
	g. other (specify)	3.7	3.0	8.4	5.03
	h. spouse	4.0	3.3	7.7	5.00
16.	Sexual difficulties	12.0	5.5	7.7	8.40
17.	Trouble with employer (in danger of losing job, being suspended, demoted, etc.)	4.0	2.8	4.5	3.77
18.	Trouble with in-laws	8.5	9.4	8.4	8.77
19.	Major change in financial status (a lot off or a lot worse off)	8.0	5.0	24.7	12.57
20.	Major change in closeness of family members (increased or decreased closeness).	14.9	11.6	26.0	17.5
21.	Gaining a new family member (through birth, adoption or family member moving in)	21.0	23.7	21.4	20.03
22.	Change of residence	24.2	22.1	23.3	23.20
23.	Marital separation from mate (due to conflict)	2.1	2.7	1.9	2.23
24.	Major change in church activities (increased or decreased attendance)	4.5	2.8	6.5	4.60
25.	Marital reconciliation with mate	8.3	3.9	4.5	5.57
26.	Major change with number of arguments with spouse (a lot more or a lot less arguments)	4.0	1.7	3.8	3.17
27.	Married male: Change in wife's work outside the home (beginning/ in- creasing work, changing to new job etc.)	1.3	0.6	5.2	2.30
28.	Married female: Change in husband's work (loss of job, beginning new job,				

	retirement, etc.)	4.0	2.0	5.2	3.73
29.	Major change in usual type and/or amount of recreation	5.6	3.1	6.4	5.03
30.	Borrowing more than R10 000 (buying home, business, etc.)	3.2	4.1	14.9	7.40
31.	Borrowing less than R10 000 (buying car, TV, getting school loan, etc.)	3.5	3.0	12.7	6.40
32.	Being fired from job	6.4	3.3	4.5	4.73
33.	Male: Wife/girlfriend having abortion	3.2	1.1	1.9	2.07
34.	Female: Having abortion	7.5	1.4	5.8	4.90
35.	Major personal illness or injury	9.8	4.4	11.0	8.40
36.	Major change in social activities, e.g, parties, movies, visiting (increased or decreased participation)	6.1	1.6	13.0	6.90
37.	Major change in living conditions of family (building new home, remodelling, deterioration of home or neighbourhood)	28.2	17.9	17.5	21.20
38.	Divorce	1.6	1.4	4.5	2.50
39.	Serious injury or illness of close friend	10.9	8.0	13.6	10.83
40.	Retirement from work	2.4	1.1	2.6	2.03
41.	Son or daughter leaving home (due to marriage or college)	6.7	6.4	5.1	6.07
42.	Ending of formal school	8.0	3.0	11.6	7.53
43.	Separation from spouse (due to work or travel)	6.1	4.7	3.6	14.40
44.	Engagement	8.5	2.2	8.4	6.37
45.	Breaking up with boyfriend/girlfriend	20.2	13.2	9.0	14.13
46.	Leaving home for the first time	9.1	5.0	9.7	7.93
47.	Reconciliation with boyfriend/girlfriend	21.3	13.2	11.6	15.37

48.	Unrest in your area *	26.3	18.3	36.3	26.97
49.	Boycotts/ strikes/ protest *	16.3	13.0	25.3	18.20
50.	House damaged/ burnt through unrest *	9.8	6.7	11.0	8.93

* new items added to the original scale

The impact of these life experiences on the subjects are found in Table LI. The minus sign indicates negative impact.

There were significant differences (chi-squared) in the way the groups perceived the extent or the impact of the following life experiences: Marriage (item 1) was regarded positively with the Umlazi Group having more of this experience than the other groups ($p < 0.0001$). The Kwa Mashu Groups had the least number of marriages. However, the subjects generally found the marriage experience a positive experience. Engagement (item 44) significantly occurred more in Kwa Mashu than the other groups ($p < 0.0317$).

Engagements are also seen positively. Reconciliation with boyfriend or girlfriend (item 47) had a greater impact in the Hospital and Umlazi Group than the Kwa Zulu Group. The impact of marital reconciliation (item 25) was more positive in the Hospital Group. The impact of outstanding personal achievement (item 9) was significantly higher in the Kwa Mashu Group. Item 9 seemed to of had a positive impact for the subjects in this group.

The significant negative impacts were death of a spouse (item 1); change in sleeping habits (item 4); death of mother, father, sister, grandmother and other close family (item 5); serious illness of other close family member and spouse (item 15); trouble with employer (item 17); change in the number of arguments with spouse (item 26); change in husband's work (item 28); change in the amount of recreation (item 29); borrowing more than R10 000 (item 31); major personal injury (item 35); major changes in living conditions (item 37) and unrest in your area (item 48).

TABLE LI
EXTENT OF IMPACT PER GROUP

Event	Hospital	Umlazi	Kwa Mashu	p-value
1. Marriage	0.73	1.08	0.20	0.0001
2. Detention in jail or comparable institution	-0.09	-0.11	-0.15	NS
3. Death of spouse	-0.12	-0.26	-0.19	0.0542
4. Major change in sleeping habits (much more/less sleep)	-0.22	-0.09	-0.21	0.0390
5. Death of close family				
a. mother	-0.30	-0.51	-0.21	0.0033
b. father	-0.57	-0.46	-0.27	0.0316
c. brother	-0.20	-0.20	-0.26	NS
d. sister	-0.40	-0.37	-0.10	0.0040
e. grandmother	-0.48	-0.41	-0.18	0.0130
f. grandfather	-0.37	-0.22	-0.27	NS
g. other (specify)	-0.23	-0.19	-0.51	0.0004
6. Major change in eating habits	-0.11	-0.05	-0.01	NS
7. Foreclosure on mortgage or loan	0.00	-0.06	00.06	NS
8. Death of close friend	-0.45	-0.28	-0.31	NS
9. Outstanding personal achievement	0.14	0.20	0.40	0.0085
10. Minor law violations (traffic tickets, disturbing the peace)	-0.01	-0.01	-0.03	NS
11. Male: wife/girlfriend pregnant	0.20	0.09	0.10	NS
12. Female: pregnant	0.11	-0.01	0.07	NS
13. Changed work situation (different work responsibility, major change in working conditions, working hours)	0.04	0.11	0.04	NS
14. New job	0.14	0.18	0.16	NS
15. Serious illness of close family member:				
a. mother	-0.30	-0.19	-0.21	NS
b. father	-0.21	-0.13	-0.16	NS

	c. brother	-0.13	-0.12	-0.07	NS
	d. sister	-0.15	-0.13	-0.20	NS
	e. grandmother	-0.24	-0.28	-0.14	NS
	f. grandfather	-0.12	-0.15	-0.05	NS
	g. other (specify)	-0.06	-0.09	-0.24	0.0059
	h. spouse	0.02	-0.09	-0.25	0.000
16.	Sexual difficulties	-0.17	-0.14	-0.14	NS
17.	Trouble with employer (in danger of losing job, being suspended or demoted)	-0.04	-0.07	-0.16	0.0668
18.	Trouble with in-laws	-0.12	-0.22	-0.21	NS
19.	Major change in financial status (a lot off or a lot worse off)	-0.07	-0.03	-0.13	NS
20.	Major change in closeness of family members (increased or decreased closeness).	-0.01	0.09	0.17	NS
21.	Gaining a new family member (through birth, adoption or family member moving in)	0.34	0.57	0.49	NS
22.	Change of residence	0.09	0.13	0.24	NS

23.	Marital separation from mate (due to conflict)	0.00	0.01	-0.06	NS
24.	Major change in church activities (increased or decreased attendance)	0.04	0.03	-0.01	NS
25.	Marital reconciliation with mate	0.18	0.10	0.06	0.0604
26.	Major change with number of arguments with spouse (a lot more or a lot less arguments)	0.08	-0.00	-0.07	0.0052
27.	Married male: Change in wife's work outside the home (beginning/ increasing work, changing to new job etc.)	0.00	-0.01	-0.05	NS
28.	Married female: Change in husband's work (loss of job, beginning new job or retirement)	0.02	-0.03	-0.12	0.0061
29.	Major change in usual type and/or amount of recreation	0.08	-0.02	0.04	0.0403
30.	Borrowing more than R10 000 (buying home, business, etc.)	0.00	-0.04	0.12	0.0136
31.	Borrowing less than R10 000 (buying car, TV, getting school loan)	0.04	0.01	0.00	NS
32.	Being fired from job	-0.12	-0.08	-0.10	NS
33.	Male: Wife/girlfriend having abortion	-0.04	-0.03	-0.10	NS
34.	Female: Having abortion	-0.06	-0.04	-0.06	NS
35.	Major personal illness or injury	-0.13	-0.08	-0.28	0.0336
36.	Major change in social activities, e.g, parties, movies, visiting (increased or decreased participation)	0.01	0.02	0.12	NS
37.	Major change in living conditions of family				

	(building new home, remodelling, deterioration of home or neighbourhood)	-0.19	-0.19	0.03	0.0402
38.	Divorce	0.01	-0.02	-0.06	NS
39.	Serious injury or illness of close friend	-0.28	-0.18	-0.25	NS
40.	Retirement from work	-0.01	0.01	0.04	NS
41.	Son or daughter leaving home (due to marriage or college)	0.06	0.12	0.01	NS
42.	Ending of formal school	0.14	0.07	0.19	NS
43.	Separation from spouse (due to work or travel)	-0.10	-0.10	-0.08	NS
44.	Engagement	0.08	0.02	0.19	0.0317
45.	Breaking up with boyfriend/girlfriend	-0.30	-0.27	-0.13	NS
46.	Leaving home for the first time	-0.03	-0.03	-0.03	NS
47.	Reconciliation with boyfriend/girlfriend	0.39	0.27	0.14	0.0326
48.	Unrest in your area*	-0.53	-0.41	-0.83	0.0019
49.	Boycotts/ strikes/ protest*	-0.30	-0.26	-0.34	NS
50.	House damaged/ burnt through unrest*	-0.20	-0.19	-0.22	NS

* new items added to the original scale

A multivariate analysis of the total life experiences between the groups show a significant difference (Table XLII). The Duncan's multiple range test reveals that the difference occurs in the Umlazi Group (Table LII), that is the Umlazi Group on the average had significantly lesser life experiences or changes than the other groups.

TABLE LII
MANOVA OF TOTAL LIFE EXPERIENCES BETWEEN GROUPS

	df	SD	F	p
Group	2	15209.03	22.68	0.0001

TABLE LIII
DUNCAN'S MULTIPLE RANGE TEST

	Duncan's Grouping Mean	N	Group
Total Life Experiences	A	49.73	376Hospital
	A	47.84	154 Kwa Mashu
	B	40.88	362 Umlazi

A multivariate analysis of the negative and positive life experiences between groups also show a significant difference between groups (Tables LIV and LVI). The Duncan's multiple range test on negative and positive life experiences (Table LV and LVII respectively) reveals that the subjects in the Umlazi Group experienced the least amount of change compared to the other groups. These results suggest that although the Hospital Group experienced more positive and negative life experiences, it was not significantly different to the Kwa Mashu Group. Life experiences are, therefore, not a singular trigger factor to help seeking behaviour.

TABLE LIV
MANOVA OF NEGATIVE LIFE EXPERIENCES BETWEEN GROUPS

	df	SD	F	p
Group	2	2234.48	18.37	0.0001

TABLE LV
DUNCAN'S MULTIPLE RANGE TEST ON NEGATIVE LIFE EXPERIENCES

	Duncan's Grouping Mean	N	Group
Negative Life Experiences	B	-12.53	343 Hospital
	B	-12.13	135 Kwa Mashu
	A	-9.05	331 Umlazi

TABLE LVI
MANOVA ON POSITIVE LIFE EXPERIENCES BETWEEN GROUPS.

	df	SD	F	p
Group	2	1722.99	9.70	0.0001

TABLE LVII
DUNCAN'S MULTIPLE RANGE TEST ON POSITIVE LIFE EXPERIENCES

Duncan's Grouping	Mean	N	Group
A	8.76	294	Hospital
A	7.87	117	Kwa Mashu
B	5.42	299	Umlazi

The discussion of these results follow in the next chapter.

CHAPTER 6

DISCUSSION

There was no significant sex or age difference in all three groups, although there were thirteen percent more females than males represented in the sample (Table I and Figure 5). This is in keeping with the sex ratio in the population according to the official census carried out in 1990. With regards to the Hospital Group the higher number of females (12.76%) is comparable to other studies on sex differences in hospital utilisation which show a generally higher use of medical care facilities by females than males. The differences range from 30% between the ages 17 to 44 and 10 to 20 % over 45 years (Nathanson, 1977; Verbrugge, 1985, 1979, Umberson, 1992). The main reason for higher utilisation of medical facilities by females have been attributed by Verbrugge, (1979) and Hibbard and Pope (1983) to the greater awareness among women of symptoms.

Most of the subjects in this study (90.71%) were between 20 to 49 years old. It is interesting that in the Hospital Group 46.50% were between the ages 20 to 29 years (Table III). This suggests that almost half the African adult patients seen at the hospital are young adults. This phenomenon is probably related to the acculturation of this community, where younger adults are more disposed to using more readily the medical facilities than the more elderly who still are more influenced by the traditional ideas of illness and health. As would be expected the majority of the sample (85.09%) were Zulu (Table IV).

There was a significant difference between the levels of education of the Hospital and community groups (Table V). These differences are depicted in Figure 7. There was a

higher level of education in the community groups than the Hospital Group. A higher percentage of the Hospital Group had no formal education (14.10%) or primary education (18.88%). This does not necessarily conflict with the available literature that suggests that there is a correlation between higher education and greater utilisation of medical facilities (Okafor, 1983). The reason for this difference is probably due to the fact that the more educated earn better and /or are on a medical aid scheme and make use of private health care facilities. Those patients that use the state hospitals are generally those that cannot afford private facilities.

There was a significant difference between the Hospital Group and the community group regarding the number of years of residence in an urban area (Table VI). A higher number of the subjects in the hospital sample had been living in an urban area for less than 10 years (24.73%) compared to Umlazi (10.77%) and Kwa Mashu (14.95%). This may support the view that the subjects in the Hospital Group may have recently moved into the urban area and therefore more likely be unemployed or without a steady income. The resulting financial constraints would force them to seek treatment provided by the state hospitals which cost considerably less.

The subjects that attended the hospital were referred from areas throughout Natal (Table VII) although the majority of the sample (80.31%) was from the areas closest to the hospital. The reasons for such a broad referral base or catchment area is that King Edward is the only teaching hospital in the province and it is also regarded as the hospital that provides the best service for African people. In some instances, even those that can afford private services prefer to attend King Edward the VIII Hospital because it is believed that being a teaching hospital 'specialist' physicians are more readily available. This perception is not only on the part of the patient but is also fostered by the local clinics who refer for specialist opinion. In addition, the lack of proper local facilities further fosters attendance at the hospital. Krige (1990) points out that some of the services provided by local clinics are inadequate; patients are expected to attend only on certain days, some services, such as, dental and psychiatric, are not provided and in some cases the demand for black services cannot be met and patients are turned away.

However, the fact that most of the sample at the hospital attended from areas, such as, Umlazi and Kwa Mashu supports the validity of comparisons between samples of the present study since these townships are representative of the community from which the Hospital Group comes.

There was a significant difference ($p < 0.01$) in the occupations between the three groups. The subjects attending the hospital were found to be less skilled than those in the community groups (Table VIII). An overwhelmingly high number of the subjects in the hospital sample (72.34%) were unskilled compared to 42.82% in the Umlazi group and 18.18% in the Kwa Mashu. This again is in keeping with the view that those who cannot afford private medical health facilities or who do not have medical aid would most likely use the state health care facilities. It is also found that 42.60 percent of the hospital sample were unemployed. There are several studies that show that unemployment has a negative impact on an individual's health. Leeb and Radford (1987a, 1987b) and Radford and Leeb (1986) have shown that dismissal from work correlates with anxiety and distress after six months without work and is associated with helplessness and despondency. Moller (1988) also has shown that unemployment directly affects socio-psychological well-being.

Costs (including all constraints placed on the patient such as time or inconvenience) incurred by patients have been known to affect the utilisation of facilities (Mechanic, 1978). The patients in this study reported that the amount paid in travel to the hospital ranged from R1.00 to R52.00. Of course the amount is dependent on the distance that the patients travelled. Most of the patients in the study came from areas in and around the hospital (71.27%) and therefore the cost of travel on average was R6.27. However, when one considers that 42.60% were unemployed and that the patients still had to pay a treatment fee (minimum of R10.00 for those without income and unemployed and a minimum of R22.50 for those employed) the financial implications are not negligible. In addition, 47.60% had to take time off from work in order to attend the hospital of which

23.46% of them will not be paid. For these individuals attending the hospital results in loss of income as well.

The cost in time varied greatly depending on the distance travelled. Some patients left home as early as 2h00 to attend the hospital. The average time spent travelling to the hospital was one hour and forty three minutes. In addition to the time spent travelling to and from the hospital, time costs are also experienced in waiting for treatment at the hospital. Although this present study did not assess the cost of time in waiting for treatment at the hospital, some patients did indicate their displeasure with the long delays experienced at the hospital (Table XVIII). Time cost is an important factor since patients leave home very early and often arrive well before the Medical Outpatient's Clinic opens. They thereafter wait in a queue to be seen by a doctor. After this screening they are most often referred to the dispensary for medication and/or for special investigations and opinions from other specialist departments. This process could take the whole day. Certain procedures, for example, a Computerised Axial Tomography (CAT) Scan, Electroencephalogram (EEG) or Electrocardiogram (ECG) may not be able to be done on the same day or in the case of other procedures such as certain blood tests or lumbar punctures the results may not be available the same day. As a result the patient may have to return to the hospital another day. Another reason for patients having to return is that sometimes other departments in the hospital may not be able to see the patient on a particular day because of their full clinic programme and gives the patient an appointment for another day. These factors further increases the cost for patients. According to Fitzpatrick and Scambler (1984), those who experience high costs, particularly through loss of time, being dependent on public transport, or lose wages for time taken off from work, are demotivated in seeking help.

6.1 HELP SEEKING BEHAVIOUR OF HOSPITAL SUBJECTS

The present study shows that the dominant reason for the choice or preference of a particular medical facility is the quality of the service provided. In the hospital sample 59%

felt that the services, facilities and /or treatments were very good, that the hospital had plenty of doctors to attend to their needs and that the hospital was also well recognised for its good treatment. This view is consistent with the views of the community groups as well regarding their reasons for the choice of services, such as, choice of doctor, the choice of hospital and the choice of a pharmacy (see Tables XI, XIII and XV). Both the community groups choose services which they perceive to be good and which were closest to them. Coppo et al (1992) have pointed out the importance of understanding the influence that distance play on help-seeking behaviour and cite studies that suggest that the critical distance is beyond 5kms.

The other reason that people seek help or utilize health care facilities are the referrals by other health facilitators, such as, general practitioners (12.00%) and peripheral hospital and clinics (10.30%) or lay referrals, such as, employers, friends and family members (7.00%). It is interesting that the lay referrals were made because those individuals as well believed that the hospital provided a better service. Lay referrals were also made by employers, friends and family. Suchman (1966) and House et al. (1988) have shown that the health seeking behaviour is a social process involving at least one other person, that lay consultation influences patterns of help-seeking and that there was a preference to consult others, such as, the police, bystanders, neighbours and friends before consulting family.

Only 2.20% acknowledged that the main reason for coming to this particular hospital was that the cost of the treatment at the hospital was far lower than that of other medical available facilities. Of course the cost referred to here is the cost of fees at the hospital and not of time, inconvenience or transport. Several studies have shown that cost is a crucial determinant of help-seeking among patients (Lewis, Fein and Mechanic, 1976; Mechanic, 1986; Mechanic, 1992)

Another factor in help-seeking that is equally important to understand is what makes an individual choose a particular time to obtain treatment. In this study, the majority of the subjects attended the hospital because they believed that their condition was

deteriorating (50.34%). Other reasons for attendance on a particular day was availability of appointments at the hospital (29.05%); no money to attend earlier (7.77%); arrangement made by other health organisations or doctors (7.10%); no time (2.70%) and no transport (2.4%). These findings are significant since they show that the majority of patients who seek medical help monitor their state and only when they believe that their condition is getting out of control do they utilise hospital services. Hence barriers such as availability of appointments, financial restraints and transport may prevent the individual from obtaining medical help when they actually believe they need it. Beside the undue stress and anxiety that this will cause, it may even further delay a condition that should have been attended to much earlier.. Mechanic (1992) has reported on the importance of lay appraisal of illness, the effect of various barriers, such as, money, time and transport, and the relationship with the doctor in influencing help-seeking.

The majority of the patients (65.40%) sought help from the hospital within a month of suspecting they were ill. This again supports the view that individuals allow a period of time for self assessment before seeking medical help. According to our findings this period for self assessment is most likely to take place within 5.85 weeks of the first suspicion of illness. Table IX and Figure 9 provide a breakdown of the time taken from the first perceptions of illness and the actual attendance at a hospital. We can infer from these results that following self-assessment most individuals will seek help within six weeks of first experiencing their symptoms.

The most common reason given by the subjects (43.50%) for not attending earlier or immediately following their first perceptions of an illness is that they felt that the illness was not serious enough to warrant medical help seeking, that they were not bothered by the symptoms. Some did not attend earlier because they had already sought medical help from a general practitioner (19.90%), had no money to attend the hospital (14.80%), treated themselves by purchasing medicines from a pharmacy (2.20%), had no transport (1.90%) and being too ill to attend (1.60%). A small percentage (1.90%) wanted to attend earlier but could not get an earlier appointment. The subject's responses for attending

earlier are consistent with the earlier responses which endorse the importance of the patients self- assessment of the seriousness of their symptoms which precipitates medical help seeking behaviour. Their responses also endorse the seeking of other services before their use of the hospital. Pharmacies and general practitioners are also sought after for medical help. For those who feel they have made no improvement help is sought from the hospital. Similar circumstances have been found to influence other societies regarding decision-making in help-seeking and treatment choice (Garbo, 1986; Good, 1986).

Another important factor to understand in medical help seeking behaviour concerns the feelings and experiences that individuals have about illness. These feelings and experiences are referred to as symptoms by medical care providers. According to the respondents 63.30% felt that they were ill because they experienced only physical symptoms while 20.80% experienced only psychological symptoms. About seventy-nine percent had experienced a combination of physical and psychological symptoms. It is interesting that subjects are able to associate psychological symptoms with indications of illness. It is commonly believed that African patients usually present with physical symptoms and very rarely present with psychological symptoms. A possible reason for this is that they may not have the psychological vocabulary to report such symptoms. Another reason is that patients reporting psychological symptoms may not be taken seriously and their presentation may be discredited as a factitious disorder or malingering. The latter is very likely to happen in overcrowded, busy hospitals like those providing care for the disenfranchised in South Africa. The failure to take psychological symptomatology seriously is, therefore, a very common phenomenon ((Eisenberg, 1986; Kellner, 1986; Mayou, 1986; Pilowsky, 1986).

The majority of subjects (87.00%) were concerned or worried about their symptoms yet 46.20% did not know what was wrong with them. However, some attributed their symptoms to a influenza (13.40%), a form of infection (12.50%) or a terminal illness (8.10%). Other lay diagnoses were also suggest, such as, 'something wrong with the blood', the bladder dirty and water in the head (5.30%). Cultural diagnoses of symptoms are also made and these include the work of the traditional healers, crossing a path where

some ritual was performed, inhaling of a bad spirit and being poisoned (3.70%). This seems to suggest that although patients are able to perceive symptoms they are unable to accurately ascribe these feeling and experiences to a particular condition. It is probably more the anxiety experienced in order to interpret these symptoms that precipitates help seeking behaviour rather than the belief that they have a particular disorder. It is, however, interesting the types of lay diagnoses made. There is an emphasis on organs or systems being dirty. Due to this belief it is not surprising that detergents are used as a form of treatment. A case in point is a parasuicide, 21 years, which was referred for a psychological evaluation following an overdose of vinegar and jeyes fluid (cattle dip). It had become subsequently evident that the patient had not taken an overdose but believed that she was poisoned by one of her colleagues who had given her some food to eat and she had subsequently fainted. When she was brought home, the neighbours and family gave her these substances in order to wash out the poison. The consequence of such beliefs, however, may have disastrous effects. Here again we see the influences of culture in attributing meaning to symptoms and remains a crucial determinant in help-seeking. (Freeman and Motsei, 1992; Sultana and Hunte, 1992).

There is evidence of a high level of self disclosure by patients about their symptoms. Eighty-six percent reported that they discussed their symptoms with others. Mothers and spouses are most often confided in. It would appear then the suggestions and recommendations made by these individuals play an important part in the decision of the patients to seek appropriate help. Suchman (1966) and House et al. (1988) have shown that the seeking of health behaviour is a social process involving at least one other person and that lay consultation influences patterns of help-seeking. People most likely to be consulted are family, neighbours and friends.

6.2 USE OF SERVICES BY COMMUNITY GROUPS

Patients most often chose doctors that were situated or located nearest to them (Table X). Their main reasons for choosing a doctor were proximity and the quality of service (Table XI). A similar pattern emerged for the choice of an hospital or a pharmacy. Subjects chose to attend the hospital closest to them, for example the subjects in Umlazi chose Prince Mshiyeni Memorial Hospital (42.50%) and King Edward VIII Hospital (35.30%) and those from Kwa Mashu chose King Edward VIII Hospital (58.40%). A possible reason for a higher number from Umlazi not attending Prince Mshiyeni Memorial Hospital (which is in Umlazi) is the political affiliation of the subjects. It is generally felt that those in Umlazi have an affiliation to the ANC and that the Prince Mshiyeni Memorial Hospital is administrated by the Kwa Zulu government which is affiliated to the IFP. Hence ANC supporters would avoid the use of such a hospital. This distrust of medical care systems have also been found amongst minority groups elsewhere, such as, Jews, Puerto Ricans and Blacks in the USA (Geertsen, et al. 1975; Lendt, 1960).

The responses gleaned suggests that the quality of the service and convenience of location play a considerable part in the utilization of health services and facilities. It is, therefore, important that these services be located within the communities they are intended to serve. This is an overhang of the political system of the country which provided racially segregated services and which not only provided inferior services for the Black but also relocated or reserved residential areas for them away from basic and essential facilities. As a result individuals have had to overcome these socio-economic barriers in order to seek medical help which has directly influenced help-seeking behaviour. In this regard, one of the hospital sample's reason given for not attending earlier "because they did not think that their illness was serious enough" could also mean that the individual had to decide whether the illness was serious enough to warrant overcoming the barriers of distance and cost. Lewis, Fein and Mechanic (1976) and Mechanic (1986) have emphasized especially the importance of accessibility of medical services in help-seeking.

Most subjects were pleased with the medical treatment received from their doctors or the hospitals they attended (Table XVI). However, a greater number of the community groups were pleased with the treatment (Umlazi 83.9% and Kwa Mashu 84.7%), than the Hospital

Group (53.2%). The greater satisfaction expressed by the community groups would probably be due to their ability to choose private doctors and clinics for their treatment where the facilities are better, more accessible and do not have to wait long for treatment. Hospital subjects, on the other hand, have no alternative but to accept the service they obtain from the overcrowded state hospitals. The writer daily observes patients attending the King Edward VIII Hospital and spend the whole day waiting without grumbling or expressing any dissatisfaction in order to be treated. These patients most often believe that the service at the hospital is a privilege and that they are not allowed to complain or be assertive.

The factors that subjects use to assess their satisfaction of treatment is the quality of the service and care given, and the cure they have had. A few assessed their satisfaction by the method of treatment (Table XVII). Table XVIII lists the aspects of treatment that subjects were not pleased with. These include the quality of the doctor-patient relationship, the quality of the facilities, the time spent to obtain treatment, the ineffectiveness of the treatment and the cost incurred. It is interesting that the community samples expressed more dissatisfaction with the quality of the doctor patient relationship, the quality with the facilities, time and cost than the hospital sample. The reason for this is that the community sample have a choice of private treatment and therefore expect the treatment to be of an acceptable standard. The hospital sample, on the other hand, expect these limitations at the state hospital because of overcrowding and over-utilization of the limited services available. It would seem that choice of services plays an important part in patient satisfaction. In addition, if people have a choice they will also demand better services. This is seen in the response by the Hospital Group who expressed dissatisfaction with the benefits of the treatment received. In other words, people who do not have the choice are unable to demand a better service and hence the service providers are not pressurized to provide a better service.

A way to rectify this situation is that health should be a right to all, that patients be allowed choice of services and that the people be empowered and educated so that they will be able to demand a reasonably good health care and service. This will also lead to an

improvement in the health services provided by the State. However, a reason for a poor service at the state hospitals is the limited services and budgets available which in turn leads to over-utilisation of certain state hospitals. For example, in South Africa the province of Natal has always been given a considerably lower health budget than the other provinces in the country. While King Edward VIII Hospital has been over-utilised and overcrowded, frequently requiring the need for floor beds, Greys Hospital (constructed for white patients) has always been under-utilised. Again this imbalance was created by the previous political policy of the country and present political reforms, it is hoped, will address these fundamental problems of inequality in order to improve both health and illness behaviour since these directly affect the health status of the whole society.

Most interviewees, however, reported that they would seek medical treatment in the future (92.2%). This indicates that the urban population have come to see and accept the need to obtain medical treatment. A small percentage did not want to (3.1%) or were not sure (4.7%). It is probably this small group that would seek alternate forms of treatments. Obviously these individuals are not totally convinced that western medicine works. Such beliefs may have also resulted either from their negative experiences of medical treatment/s or their not experiencing any benefits from such treatments besides their possible distrust of western medicine.

The use of medication is an important issue presently because of the widespread misuse or abuse that takes place. Of significance is the misuse of medication in suicidal behaviour, a growing problem in the African community (Schlebusch, 1988; Pillay, Naidoo, Tlou, 1992). Table XIX lists the sources from which subjects obtained their medication. Most subjects obtain their medication from private doctors, clinics or hospitals. Little self-prescribing takes place. Self-medicating occurred among 5.1% because they felt they had the flu and 7.7% because they experienced pain. These results suggest a lower use of over-the-counter drugs than in other populations (Schlebusch, 1988). However, because medication is obtained from medical practitioners it is important that these doctors prescribe responsibly and educate patients about the proper use of medications. Since these communities seem not to rely heavily on medication, a factor also seen in patient's

dissatisfaction of treatment were the response 'no medication' featured low, proper prescription will also teach appropriate medicating behaviour. This is important since only 40.4% understood why they were taking medicines. Whereas 46.8% took medication because it was prescribed without understanding the nature of the illness.

There was a significant difference ($p < 0.01$) in the way the hospital and community groups responded to the perceived benefits of western medicines (Table XX). More of Hospital Group found them less beneficial or were not sure about their efficacy. There could be several reasons for this discrepancy. It is very unlikely that this is the result of the quality of medications being used by the hospitals, since the standard of medication is equally good although the hospitals tend to use generic medication because of the cost of recognised trade name medicines. The most likely reasons are, inaccurate medication use and/ or non-compliance with the prescribed treatment. This could be the result of patients not being given proper explanations about their illnesses (46.8% did not understand why they were taking medication), not being given proper instructions on how to take the medication (the writer has seen numerous patients who have taken suppositories orally; vaginal suppositories rectally; ear drops orally or patients, who have taken tablets prescribed three times daily only three times).

Poor doctor-patient relationships, side effects of the medication and cultural and language differences are key contributing factors to these kinds of misinterpretations. The large numbers seen at the hospitals, overcrowding, inability to speak the patient's language, lack of understanding of the patient's perceptions of illness, or the patient's understanding of illness, and time constraints directly influence the quality of instruction and information provided by medical personnel. New methods of providing such information should be considered. These could include audio and video education while patients are waiting at the hospitals; printed instruction in African languages with the use of step by step graphical illustration so the illiterate will also be able to understand; medical personnel learning the language of the people or employing skilled interpreters to disseminate information; the establishment of information centres erected in convenient spots, manned by individuals who can speak the language of the people and are familiar with the culture of the people, where patients can obtain information and help without feeling

intimidated. Implementation of such services will take the load off doctors and nurses, help improve compliance and lower the incidence of psychological problems relating to health and illness behaviour.

The use of vitamins supplements differed between the groups (Table XXI): 55.70% of the Kwa Mashu group and 40.40% of the Umlazi group used supplements. The vitamin supplements were used mainly to 'increase strength', cure or treat an illness, make one active or serve a protective function. Some also took vitamin supplements to 'strengthen the blood' or on the advise of non -medical persons. There is a higher use of vitamin supplements than medicines. This need to use such supplements may be the result of the aggressive media advertisements which promote the use of vitamin supplements as part of the health, diet and exercise fad presently in vogue.

In the earlier chapters the importance of religious and cultural beliefs and their relationship to health beliefs were discussed. A high percentage of the subjects (89.2%) were Christian, 2,8% belonged to African religious groups while 1.4% said they belonged to both Christian and traditional African religions. It is important, however to note that the large number that claimed to be Christian includes those that belong to African independent churches as well. These churches, for example the Shembe Church, integrates both African traditions and cultures with the Christian faith.

Most of the subjects denied use of traditional medicines or healers (55.37%). Subjects in the hospital and Umlazi groups tend to deny the use of these methods than was the case in Kwa Mashu. A possible explanation for this is that greater acculturation has probably taken place among the those attending the hospital and in the Umlazi Community. Faith healers are used more often than traditional healers. This is to be expected since it would be more in keeping with there religious beliefs. Wessels (1987,1989) too found that faith healers were becoming increasingly popular in the African community. Our findings are in keeping with Wessels (1987b, 1989) studies, regarding the combination of methods used in the treatment of patients by faith healers. Holy water and herbs are used more often than prayer. Prayer is usually obtained from woman prayer groups, family, friends and

neighbours (Table XXVIII). A higher number in the Kwa Mashu group responded that they had used prayer as a method of treatment for their illness.

On the average, the subjects frequented traditional healers three times and thereafter their attendance of faith healing declined (Table XXIV). This is odd because there was general consensus among those that sought such treatment that the traditional healing was helpful (60.9%). In fact more in the community perceived this kind of treatment to be beneficial than those who attended the hospital. A possible reason for this decline is either acculturation or an awareness that consulting traditional healers is not regarded as acceptable behaviour and as a result there is a reluctance to report such beliefs.

On the average 21.00% reported consulting an herbalist. It would appear from the results that subjects in the community consulted herbalist more often than those who attend the hospitals (Table XXIX). A possible reason for this is that those who attend the hospital may have a greater belief in the efficacy in western medicines or alternatively believe that the illness requires medical intervention.

Nevertheless, it is important to bear in mind that a high percentage (60.9%) do believe in the efficacy of traditional treatment and a significant number (23.3%) were ambiguous about its efficacy. In addition, 47.40% indicated that they will continue with traditional treatments (Table XXVII). This suggest that traditional treatment will still be sought and that a considerable amount of health behaviour takes place outside of the medical system. Therefore this situation has to be carefully considered when planning and providing health services to urban Africans. Failure to acknowledge their understanding and beliefs in traditional healers will result in a dualist approach to the treatment of their illness. Individuals will use medical services but will probably also secretly attend traditional healers. The fear of appearing ignorant or primitive if they express a desire to see traditional healers may lead to a delay in help-seeking behaviour and may be counterproductive if doctors are not aware of other treatments patients may be taking or, especially, if they are asked to stop medical treatment by traditional or religious healers. The author has seen several cases were patients have been asked by religious healers to

stop taking medication because their taking of medication indicates a lack of faith in God to heal them. There have also been other cases where patients have been given herbs and other substances, such as, *intelezi*, that have various psychological, psychiatric and physical symptoms. If patients do not feel comfortable sharing their beliefs about traditional and religious methods of treatment, the doctor will not be able to assist the patient promptly or efficiently. If patients do not feel that the doctor understands their beliefs or that their beliefs will be frowned upon and ridiculed, the patient will not share this information and this will lead to non-compliance with treatments prescribed by the doctor.

Subjects also reported the use of several lay or folk medicines (Table XXIX). Laxatives or purgative are used very frequently (88%). Warm water or sea water is often used to induce vomiting. A reason for this is that there is belief among Africans in the cleaning of the body and its systems. The belief is that either the organs are dirty, the blood not clean or that some thing poisonous has been ingested. However, the dangers of the use of purgative such as epsom salts, castor oil and other laxative have been frequently observed in black hospitals. The case of the 21 year old parasuicide cited earlier demonstrates belief that cleansing is needed. 'Strengthening medicines' are especially popular because they protect the individual from various omens (Wessels, 1989).

6.3 HEALTH AND ILLNESS BELIEFS (QUALITATIVE)

The subjects used a variety of symptoms or lack of symptoms and feelings to explain their understanding and meaning of being ill or well (Table XXXI, XXXII, XXXIII and XXXIV). In most cases being ill means that one does not feel good or well physically and psychologically, i.e. one does not feel normal, is worried, feels uncomfortable and not relaxed. Associated with this is pain. It is worth noting that pain rated lower in the Hospital Group (15.7%) than the community groups (32% and 39%). This probably is a result of

desensitisation to pain or that those attend the hospital bear pain stoically. Hence they do not use pain as a sign of illness but rather general well being.

Illness is also associated with being ineffective or being unproductive, having a dysphoric mood, looking ill physically, psycho-motor retardation, symptomatic and being dependent. Sleep and appetite are used to assess illness as well.

'Wellness' is considered the opposite of the 'ill' condition. An individual who is well is expected to feel good and normal both physically and psychologically. His or her mood is expected to be elated, pain free, productive and efficient, lively, active, looking good physically or healthy asymptomatic and independent. This view of health and illness is similar to those in other cultures as well; for example, Diaz-Guerrero (1984) study which included thirty different cultures. There is cross-cultural agreement that health is characterised as "good", "potent" and "active" (Diaz-Guerrero, 1984). However, he does point out that adjectives vary from one culture to another.

It is very clear from the responses of those interviewed that they adopt a holistic concept of health and illness. This is very important since there is a strong movement in western medicine as well to adopt an holistic approach to health and illness especially in view of the dichotomous relation between the mind and body assumed by the medical model (Engel, 1977; Engel, 1980; Schlebusch, 1990). If health workers do not recognise and promote this holistic concept that the African possess then they run the risk of teaching them a narrow view of illness and health out of keeping with their traditional world-view which lasts beyond several generations of acculturation. Unfortunately, the over-utilisation of services, lack of facilities, overcrowding and time constrains and poor doctor-patient care may actually promote a biological model of illness which may have to be unlearned later. Further, doctors will have to understand and treat African people holistically, otherwise their patients will not comply with the treatments prescribed.

The holistic understanding of health and illness is also seen in the reasons provided by the subjects why people get sick (Table XXXV). The most prominent reasons are poor nutrition and diets; social stress such as poor living conditions, poverty, infection and diseases,

alcohol and substance abuses; psychological stress; environmental stress, such as, violence, war unrest and occupational stresses; inherited illnesses; body malfunctioning or atrophy; preventative measures, such as, check ups; and traditional ideas, such as, bewitchment, bad terms with neighbours and family, seasonal and weather changes, and dirty organs.

Although all groups indicated that they would go to a doctor, some of the illness behaviours significantly varied among the groups;. These were for hospital attendance ($p < 0.05$), use of a pharmacy ($p < 0.01$), use of prayer ($p < 0.05$), denial ($p < 0.01$), self medication ($p < 0.01$) and reading about illnesses ($p < 0.01$). The Kwa Mashu group was less likely to attend the hospital than the other groups but more likely than the other groups to go to a pharmacy, self-medicate or deny the illness. This is probably the result of there not being a hospital near Kwa Mashu whereas Umlazi has the Prince Mshiyeni Memorial Hospital, the King Edward VIII and Clairwood Hospitals close by. This again endorses the view that the lack of facilities force individuals to seek alternate illness behaviours. Further, the Hospital Group endorsed prayer more than the community groups as a form of treatment. The Umlazi group reported that they read about illness in order to understand their illness. On the other hand, the Hospital Group responded the least to reading about their illness. This is understandable in terms of the lower level of education and lower socio-economic levels of the Hospital Group.

6.4 THE HEALTH AND ILLNESS BELIEF (QUANTITATIVE)

The reliability of this questionnaire, which was developed to measure health and illness beliefs for an African population, was 0.76. This suggests that the measurement has high internal consistency and is reliable for interpretive purposes. A comparison of the means for each of the items show that there were significant differences in the way each of the groups responded to items 1, 3, 4, 5, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, and 31.

Item 1 assessed the belief that a person gets sick because they are not strong. On this item the Hospital Group agreed more than the community groups. There was a significant difference between the three groups ($p < 0.001$). Overall the respondents did agree or sometimes agree that if a person is not strong enough he or she will get sick. We could, therefore, assume that being ill means that a person is not strong enough and vulnerable and that this view will influence how they accept their illness and how others respond to them. An individual who perceives himself or herself as strong and who gets ill may therefore deny his/her symptoms for a long time and may, as a result, delay seeking help. Others associating with the person who is ill may treat him as weak. This may lead to and foster a dependent role in the patient or may lead to the patient resisting the support of those around him. There was also statistically significant differences between the Hospital Group and the Umlazi Group ($p < 0.01$), and the Hospital Group and Kwa Mashu Group ($p < 0.001$) This suggests that those, who attend the hospitals have a stronger belief that those who are ill are not strong. There were some who disagreed with this view ranging from 22.6% in the Hospital Group to 37.7% in the community group.

There was general agreement by all groups that a person's diet may lead to illness (item 2). This is in keeping with the reasons the subjects offered why people get sick?

The interviewees tended to disagree with the view that illness is due to desertion by God (item 3). The three groups statistically differed significantly on this belief ($p < 0.001$), especially those in the Kwa Mashu Group (71.4%) who differed from the Hospital Group ($p < 0.001$). Although there is agreement sometimes that it could be true, it would suggest that the general community believes this more than those who attend the hospital.

The belief that illness is caused by infection was overwhelmingly endorsed by all subjects (item 4). It is apparent, therefore, that the view of infection as a cause of illness is well accepted. However there was a significant difference between the groups' response on this item ($p < 0.05$). There was also significant differences in the endorsements between the Hospital Group and the Umlazi Group ($p < 0.05$), and the Hospital Group and the Kwa

Mashu Group ($p < 0.05$). The Kwa Mashu Group endorsed this item overwhelmingly higher than the other groups.

Item 5 which required the subjects to respond to the belief that illness was caused by witchcraft or sorcery yielded mixed responses. There was significant differences between the three groups ($p < 0.05$) as well between the Hospital Group and the Umlazi Group ($p < 0.05$), and the Hospital and Kwa Mashu Group ($p < 0.05$). Half of the subjects either agreed/ sometimes agree or disagreed/sometimes disagreed. Although the belief is not a dominant one, it is obviously an important belief in interpreting and understanding ones illness. With item 6, that deals with the belief that sickness is due to a curse or bewitchment by others, mixed responses were also obtained. Although there was a slightly higher tendency to disagree with such a belief.

There is general belief that lack of or inadequate regular exercise leads to ill health (item 7). A small group disagrees or are not sure of the benefits of regular exercise.

Most subjects disagreed with the belief that sickness came from the devil (item 8). On the average, 25.62% were not sure. A similar percentage agreed or sometimes agreed.

The visiting of doctors as the only help-seeking behaviour when seriously ill (item 9) was a dominant belief. Although, there were significant differences between the three groups in their agreement ($p < 0.001$). All groups overwhelmingly endorsed this statement.

Most of the subjects disagreed with the belief that only doctors can treat people who are ill (item 10), this being more so in the community groups than the Hospital Group. There was significant difference between Hospital Group and Umlazi Group of $p < 0.001$ and between the Hospital Group and Kwa Mashu Group of $p < 0.001$. Of those who agreed, this belief was more common in the Hospital Group. This could explain why people seek medical help and may be a useful belief to consider in compliance.

Item 11 which assessed the belief that there is nothing a person can do to prevent himself from getting ill also elicited mixed responses. A statistical significance of $p < 0.0001$ was obtained between the three groups. While a large number disagreed, 16.74% agreed, 21.91% sometimes agreed and 17.19% were not sure. This would indicate that there are many who believe that they have no internal locus control in preventing themselves from getting ill (Wallston and Wallston, 1984).

Sickness as a result of poor self care and/or hygiene was endorsed by most of the subjects (item 12). A significant difference was found between the groups ($p < 0.05$). This belief is in keeping with the subjects responses to "Why people get ill"

The subjects agree/ sometimes agreed that some illness cannot be treated by medical doctors (item 13). This would suggest then that if individuals do not believe that doctors can treat all illnesses then we could assume that they would seek help where they may feel they would obtain appropriate treatment. This belief may account for the varied response to item 10 and may lead to selective help-seeking behaviour.

The subjects also endorsed the belief that sometimes illnesses are inherited (item 14). The three groups responded differently on this item ($p < 0.001$). The Kwa Mashu Group agreed less with this item but endorsed "sometimes agree" more often.

Item 15 which looked at self care by individuals preventing illness, was generally endorsed by the subjects. 19.21% disagreed and 15.03% were not sure. Again the issue of internal locus of control in health behaviour must be considered (Wallston and Wallston, 1984).

The subjects felt that they were able to effect a cure themselves when ill (item 16). 27.36% disagreed and 16.78% were not sure. However, they did not see themselves as culpable for illnesses (item 17). Although they sometimes agreed that their illness could be their fault. Responses significantly differed between groups ($p < 0.001$). Here again the concept of internal locus of control may be a central issue to consider.

'Visiting a doctor for regular check ups can prevent a person getting sick' (item 18) was agreed/ sometimes agreed by most respondents. However, 14.09% disagreed and 16.46% were not sure. A significant difference of $p < 0.001$ between the three groups was obtained. In addition, the interviewees expressed the belief that doctors can treat symptoms but not the cause (item 19). Here again the influence of cultural and/ or traditional beliefs of illness may be discerned.

There was a generalised response to the belief that most illness can be treated at home (item 20). A significance of $p < 0.001$ was obtained between the groups. 24.49% agreed, 30.70% agreed sometimes, 26.41% disagreed and 18.40% were not sure. The Kwa Mashu Group overwhelmingly disagreed with this view. Respondents also believed that older people know a lot about illness and that they can provide appropriate advice (item 21). The responses show that 29.91% agreed and 30.70% sometimes agreed with this statement.

Item 22 dealt with the belief that people should pray to God to cure them of their illness. The response varied from 27.64% agreeing, 29.44% agreeing sometimes, 22.70% disagreeing and 20.22% not sure. The three groups significantly differed in their responses ($p < 0.001$).

Item 23 assessed the belief that people are lazy and do not work hard enough. Most of the subjects sometimes agreed (35.85%). A significance of $p < 0.05$ between the groups was obtained.

Beliefs about the treatment given by elders or older people was assessed by item 24. The most common response was 'sometimes agree' (37.02%). The second highest response was 'not sure' (23.59%). On the average 18.17% agreed and 21.22% disagreed. As much as 49.21% of the subjects disagreed with the belief that illness is a form of punishment for the wrong or bad things that a person has done. However, 19.41% agreed sometimes, 11.17% agreed and 20.20% were not sure.

The belief that a person may get sick as a result of something invading their body (item 25) was an accepted belief by subjects either agreeing (39.37%) or sometimes agreeing (31.79%). Only 13.46% were not sure and 15.38% disagreed with the statement. The Kwa Mashu Group showed highest agreement with the statement (49.4%) and lowest disagreement (10.4%)

Item 27 assessed the belief that sickness occurred as a result of not performing the required rituals or prayers to ancestors or priest. The groups significantly differed ($p < 0.001$). Although 43.53% disagreed with this belief, 12.04% agreed, 20.25% agreed sometimes and 24.18% were not sure. The Kwa Mashu Group least agreed with the statement (5.2%) and showed highest disagreement (59.7%).

A varied response was obtained for the belief that a person can become ill if they walk or cross over a path or place where some ritual was performed (item 28). A significant difference between groups was obtained ($p < 0.05$) 'Sometimes agree' was the most common response (22.57%), while 22.57% agreed and 21.33% were not sure. 25.17% disagreed with the belief. The Kwa Mashu group demonstrated lowest agreement with this belief.

The belief that sickness is the result of malfunctioning or improper function of the body (item 29) appears to be a common belief of the respondents. Those that responded 'agree' were 34.76% and 'sometimes agree', 36.23%. The Kwa Mashu highest agreement with the statement (50.0%) and lowest disagreement (5.8%)

There was a high disagreement with the statement that illness is due to demon, evil or bad spirit possession (48.48%). A $p < 0.05$ significance was obtained between the three groups. Both the community groups showed low agreement. Umlazi 9.9% and Kwa Mashu 9.7%. Although the Hospital Group demonstrated more agreement with the belief (14.9%), they also responded with the highest disagreement (51.9%).

The last item assessed the belief that illness is due to punishment or desertion by the ancestors. The respondents showed high disagreement with this belief (47.18%). Although 22.86% were not sure, 14.53% agreed and 15.43% sometimes agreed with the belief. The Kwa Mashu group indicated the lowest agreement with this belief.

While there has been significant differences in the way the interviewees responded on each item, there was no consistent difference in the way each group responded. This suggests that the Hospital Group beliefs of health and illness are not significantly different to that of the community.

However, it appears that certain dominant beliefs are endorsed by the respondents these are: people get ill because they do not eat the proper foods; illness is caused by infection, people get sick because they do not exercise regularly; people go to doctors only when they are seriously ill, people get sick because they do not keep themselves clean; there are some illnesses that doctors cannot treat; people inherit illness from their parents; if people take good care of themselves they will not get ill; people are able to cure themselves; visiting a doctor for regular check-ups can prevent a person getting sick; doctors can make the illness better but they cannot treat the cause; older people know a lot about illness and can advise others what to do; people get sick because they are lazy and do not work hard enough; people get sick when something foreign invades their bodies and sickness occurs when the body is not functioning properly. In addition, respondents generally disagreed with the following: illness is due to desertion by God; sickness comes from the devil; doctors are the only ones that can treat people who are ill; there is nothing a person can do to prevent themselves from getting ill, if a person gets ill it is their own fault; illness is a form of punishment for the wrong or bad things a person has done; sickness occurs because you do not perform the rituals or prayer required by the priest or ancestors; illness is due to demon, evil or bad spirit possession; and illness is due to punishment or desertion by the ancestors.

The beliefs that were less clear were: people get sick because they are not strong; illness is caused by witchcraft or sorcery; people get sick because someone has cursed or done

something evil to them; most illnesses can be treated at home; people should pray to God to cure them of their illness; treatment given by elders or older people can really be helpful; and a person can become ill if they walk or cross over a path or spot where some ritual was performed.

Of the nine factors that emerged, four dealt with aetiology, four addressed beliefs regarding treatment and one illness prevention. The aetiologies of illness for urban Africans according to these responses are external evil and ancestral, self-blame, medical and body malfunction or weakness. The main treatment beliefs are self medication, medical treatments, prayer and an holistic treatment approach. Self-care is seen as a method for preventing illnesses.

There were significant differences on certain factors (Table XXXIX). On factor 2, both those living in an urban area for less than 5 years and greater than 5 years endorsed the aetiological belief of self-blame ($p=0.0003$) but those who were living in a urban area for less than 5 years endorsed the belief of self-blame more than those who were living for greater than 5 years. A possible reason for this could be that those who lived for less than five years would have only recently left the rural areas and therefore were more likely to attribute their illness to having abandoned their cultural roots and beliefs.

On factor 3 there was a significant difference among the groups ($p=0.0003$) in the interaction with urbanisation. The more urbanised the individual the more likely he or she was to adopt a medical aetiology of illness. There was also significant age effect ($p=0.0015$). The younger the adult the more likely was he or she to adopt a medical reason for illness. This is probably due to the process of education.

Beliefs in self-medication (factor 4) significantly differed between the 3 groups ($p=0.0220$). These beliefs also varied with urbanisation (i.e. the number of years living in an urban area). Urbanisation also influenced the group's beliefs on body malfunction and physical weakness etiology (factor 5). This belief was also affected by the age of the individuals. The older the individual the less likely the belief. Self-care as preventative belief was

different between groups and was also influenced by urbanisation and the age of the individuals. This suggests that urbanisation and younger adults believe that self-care will prevent illnesses. The use of prayer (factor 8) varied between the groups and was influenced by urbanisation as well. Both urbanisation and age also influenced the holistic treatment belief (factor 9).

Factor 6 which deals with medical treatment varied between the groups. The community groups strongly believed in medical treatment. This would suggest that a higher level of education, acculturation and urbanisation contributes to the beliefs of the efficacy of medical treatments.

These results suggest therefore that the hospital attenders do not have a set of beliefs of health and illness different from those of the general population. Nevertheless, there are several health and illness beliefs held by this community. These beliefs are strongly influenced by urbanisation and the age of the individual. It would, therefore, seem that health and illness beliefs vary and are strongly influenced by urbanisation and age of the individuals.

6.5 SOCIAL SUPPORT AND HEALTH

This question yielded a very high level of reliability (0.91). Here again, this measurement had high internal consistency.

The responses of the subjects show that they were generally satisfied with all aspects of social support (Table XLI). Regarding accessibility, there was a significant difference among the groups as to whether the accessibility was immediate ($p=0.0001$) or delayed ($p=0.0001$). Of those that indicated that they had immediate accessibility, the Kwa Mashu Group scored highest, followed by the Umlazi Group and then the Hospital Group. For those that indicated that their accessibility was delayed, those in Kwa Mashu reported more delays than the other groups.

The proximity of the subjects' social support significantly varied for the groups (Table XLIII). Each group responded significantly differently regarding the proximity of their support. The Kwa Mashu Group mostly indicated support nearby followed by the Umlazi Group and then the Hospital Group. However, of those that indicated that their support was far, the Kwa Mashu Group had greater amount of support further away than both the Hospital or Umlazi Groups.

Regarding the mode of support, both the Hospital (80.85%) and Kwa Mashu (95.45%) groups used the telephone extensively to obtain support: Support through letter writing or postal services was obtained by 32.71% in the Hospital Group, 27.62% in the Umlazi group and 59.74% in the Kwa Mashu group. It would seem that those who attended the hospital and those living in the Kwa Mashu area have less physical contact with those who provide social support although these individuals do not live very far away. This is in keeping with the earlier results that showed that 79.26% of the hospital subjects were unaccompanied. This could be due to various socio-economic factors such as having to live separately, in relatives' homes or because those that provide social support either live with their employers, as in the case of domestics, or in hostels provided by employers. Within this context, the use of the telephone or postal services become practical. The Umlazi community, on the other hand, have more personal support and represents families living together. The fact that the subjects described their social support as being satisfactory despite the variation in the type of social support, suggests that it is not how social support is obtained but rather the availability and the perception of support by the individual that is important. The perceptions of support are probably influenced by the individual's expectations as well. In the context where the concept of family has deteriorated to the extent it has among Africans in South Africa, the individual's expectancy of social support is probably not commensurate with those of individuals in more privileged communities.

Support is most often provided by a mother, family, friends and neighbours. This is in keeping with the hospital subjects qualitative responses with regards to being

accompanied to the hospital. Of those accompanied, most were accompanied by close family and friends. Suchman (1966) and House et al. (1988) have shown that the seeking of health behaviour is a social process involving family, neighbours and friends.

The factor analysis of the responses on the social support questionnaire yielded two factors. Factor 1 deals with general social support or support in the time of a crisis. Factor 2 deals with a close, confidential type of support. It is interesting that on factor 1 the way subjects responded depended on their sex, the length of stay in an urban area and age (Table XLVI). There was no significant differences between the groups suggesting that social support did not influence help-seeking behaviour in the Hospital Group.

Females in the Hospital Group significantly endorsed the support of factor 1 more than the males ($p=0.0072$). Males endorsed this type of support in the community groups more. This may suggest that females in the Hospital Group are more satisfied generally with social support or social support in crises than those in the community. In addition, those living less than five years in the urban area were significantly more satisfied with the type of social support in factor 1 except in the case of the Umlazi Group ($p=0.0178$). This may suggest that those new in the urban area are satisfied with the social support. As they reside longer in an urban area the factor 1 type social support is perceived as being less satisfactory or the social support actually dwindles. Another reason for those living in an urban area less than five years finding the social support satisfactory, is that they may have come from rural areas where the quality of social support had been poor or non-existent. There were also significant differences in the way living in an urban area affected male's and female's perception of factor 1 social support ($p=0.0289$). The length of stay in an urban area does not seem to affect the males perception of factor one social support. After five years residence in an urban area, the females perception improved. This would suggest that females' level of social support (factor 1 type) or at least their perception of it improves when they move into an urban area.

On factor 2 there were significant differences with regards to length of stay in an urban area between the groups ($p=0.0160$) and the sex of the subjects between the groups

($p=0.0160$). These differences were similar to factor 1 suggesting that the females in the Hospital Group are more satisfied generally with social support or social support in crises than those in the community (except in the Hospital Group) and that those new in the urban area are satisfied with the social support. However, as they reside longer in an urban area the factor 2 type social support is perceived as being less satisfactory or the social support actually dwindles. Here again, another reason for those living in an urban area less than five years finding the social support satisfactory is that they may have come from rural areas where the quality of social support had been poor. However, the perception of Umlazi Group's social support (factor 2 type) improved with their residence in an urban area.

Overall, the results show that there is satisfaction with the available social supports. Females seem to perceive and experience better social support than men. The improvement of the females' satisfaction with social support on factor 1, as well as the males' perceptions not declining, appears to have positive implications regarding social support and urbanisation in Africans because satisfactory social support is directly related to physical and psychological well-being and acts as a buffer between stressful life events and symptoms (Zimet et al., 1988). On the other hand, the experience and perceptions of social support on a general scale seem to decline with longer residence in an urban area. This aspect raises concern for the future. The positive effects of good social support in health and health behaviour has been well documented (Cohen and Syme, 1985; Geertsen, 1988; Ritter, 1988; Sarason, et al. 1985). However, in this study there was no significant differences between the groups. This suggests that social support did not influence help-seeking behaviour in the Hospital Group.

6.6 SYMPTOM PERCEPTIONS

A very high reliability was also obtained in this questionnaire (0.96). This suggest that the measurement has high internal consistency.

The Hospital Group did not experience more symptoms or rate their symptom as more serious than the other groups. Generally, the Kwa Mashu Group experienced more symptoms than the other groups. The subjects endorsed their experience of psychological and psychiatric symptomatology, such as, depression and anxiety together with physical symptoms. This is contrary to the popular belief that African patients do not generally present with depressive or anxiety symptomatology but mainly physical symptoms. It is possible that these individuals perceive the medical doctor as being interested in physical symptoms and therefore only report physical symptoms to him or her. This is a fundamental problem with the medical model; it focuses only on the biological. As a result, patients are taught to present their illness in this manner. Mechanic (1992) points out the influence of doctors views and practices on health and illness behaviours. The failure to address the other dimensions of health and illness, or the self-understanding within African world-view will perpetuate the seeking of alternate treatment, the delay in medical help-seeking behaviour and/ or obtaining treatment from other sources that will address the different dimensions (Freeman and Motsei, 1992). The focus on physical symptomatology will also contribute to the view that psychological, psychiatric and social symptoms are less important and the treatment of these symptoms are a luxury. Such a view results in the individual not being taken seriously or contributes to his or her learning to somatize in order to obtain help.

6.7 STRESS AND HELP SEEKING BEHAVIOUR

The reliability obtained in the modified version of the Life experience Survey was 0.71. Here again the internal consistency was high. This suggests that the questionnaire has good construct validity.

There were significant differences in the way the groups perceived the extent or impact of the following life experiences: Marriage (item 1) was regarded positively with the Umlazi Group. Its sample recorded the most marriages ($p=0.0001$). The Kwa Mashu Group reported the least number of marriages. However, the subjects generally found marriage a

positive experience. Engagements (item 44) were recorded in larger numbers in the Kwa Mashu Group than the other groups ($p=0.0317$). Engagements too are described as positive experiences. Reconciliation with boyfriend or girlfriend (item 47) had a greater impact in the Hospital and Umlazi Group than the Kwa Mashu Group. The impact of marital reconciliation (item 25) was more positive in the Hospital Group. The impact of outstanding personal achievement (item 9) was significantly higher in the Kwa Mashu Group. This too had a positive impact. The significant negative impacts were due to death of a spouse (item 1); change in sleeping habits (item 4); death of mother, father, sister, grandmother and other close family members (item 5); serious illness of other close family members and spouse (item 15); trouble with employer (item 17); change in the number of arguments with spouse (item 26); change in husband's work (item 28); change in the amount of recreation (item 29); borrowing more than R10 000 (item 31); major personal injury (item 35); major changes in living conditions (item 37) and unrest in the area of residence (item 48).

A multivariate analysis of the total life experiences between the groups show a significant difference ($p<0.001$ — Table LIII). The Duncan's multiple range test reveals that the difference occurred in the Umlazi Group (Table L), suggesting that the Umlazi Group on the average had significantly lesser threatening or enhancing life experiences or changes than the other groups. A multivariate analysis of the negative and positive life experiences between groups also show a significant difference between groups (Tables LIV and LVI). The Duncan's multiple range test on negative and positive life experiences (Table LII and LIV, respectively) reveals that the subjects in the Umlazi Group experienced the least amount of change compared to the other groups. These results suggest that although the Hospital Group experienced more positive and negative life experiences, it was not significantly different to the Kwa Mashu group. It may be inferred then that life experiences are therefore not a singularly trigger factor for help-seeking behaviour in the hospital. However, the fact that the subjects in the Hospital Group had most life changing experiences may lend some support to the relation that some have argued for between stress and illness (Feuerstein, et al., 1987; Holmes and Rahe, 1967; Rahe and Lind, 1971; Selye, 1956; Steptoe, 1991; Turton and Chalmers, 1990).

This study shows that those that attend the hospital do not have a distinctively different set of health beliefs to others in their society. What emerges is that there are several health beliefs about the aetiology, treatment and prevention. In this study the following main beliefs emerged: aetiological beliefs (external ancestral/ evil, self-blame, medical, physical weakness or body malfunction); treatment beliefs (self medication, medical, prayer, holistic treatment) and the preventative belief (self care). Age, sex, education and urbanisation strongly influence the beliefs that a person adopts. For the African patient, health, illness and disease are viewed holistically. The body and mind are inseparable from the dimensions of the social, cultural and religious. Medical beliefs are also well integrated into their conceptualisation of health and illness. There is, however, a much lesser emphasis on cultural beliefs, which is probably a result of acculturation in this community. However, this does not mean that the medical view of illness is readily accepted. There exists a belief that western medicine treats the symptoms but not the cause. Depending on the individual's belief of what the cause may be, the appropriate help-seeking takes place. This may include self-medication, seeking the help of family, traditional healers, faith healers, herbalists or prayer. This study also showed that the Hospital Group did not significantly differ from the other groups in the experience and perception of social support, the experiences and severity of symptoms and the number of life influencing experiences.

6.8 A COMPARISON OF THE RESULTS WITH OTHER HEALTH AND ILLNESS MODELS

The results of this study support many of the components or concepts proposed by some of the more popular models of health and illness. (A review of the popular models has been presented in chapter two). Those relevant aspects that emerged from this study and allow inferences to be made will be briefly discussed here. However, it must be noted that this study was not designed to test these models. Possible inferences are drawn from the results to support or validate aspects of these other models where this may be validly done..

The result of the present study supports the view that the perception of symptoms plays an important part in the seeking of help. According to the HBM, symptoms act as an internal decision making process that act as a 'cue to action'. Kasl and Cobb's Model (1966a) on illness and sick role behaviours hypothesizes that behaviour undertaken in the presence of symptoms is influenced directly by the individual's perception of the disease and the belief concerning health action. Suchman (1965a; 1965b) also points out that symptom experiences alert the individual that something is wrong which is then interpreted and results in the assumption of the sick role. Fabrega's Model (1973) also suggest that the recognition and evaluation of symptoms leads to realisation of the presence of illness and in turn leads to behaviours to alleviate them. This is also common to Mechanic's Model (1978) as well. In the present study too it was found that the presence of symptoms alerts the individual that something is wrong and precipitates the process of help seeking.

The severity of symptoms is also a component of many of these models. In keeping with the HBM, Suchman's Model (1965a, 1965b) and Mechanic's Model (1978), the extent to which symptoms are perceived as serious will affect help-seeking. This variable was also found to be one of the six categories to emerge from the Cummings, Becker and Maile (1980) study to identify common variables among the health models. In this study, severity of symptoms played a major part in precipitating help-seeking and subjects also reported that delay in seeking help was a result of them not perceiving their symptoms as serious.

'Benefits' or 'cost of action' and 'barriers' is a component that features frequently in the health models (HBM; Kasl and Cobb, 1966a; 1966b; Mechanic, 1978). Here again, subjects in this study sought help if they believed that such action would alleviate their symptoms. This study also showed the usage of several other treatments in addition to medical help-seeking. These components such as shopping, self medication, home remedies and/ or cultural treatments are also common to Suchman's Model (1965a, 1965b), Fabrega's Model (1973) and Young's model (1980)

A high percentage in this study reported seeking the help and advice of significant individuals in their environment. Suchman (1965a, 1965b), Fabrega (1973), Mechanic (1978), Young (1980) and Cummings, Becker and Maile (1980) all emphasize the importance of social support and social networks in the utilization of health facilities,

Consistent with all these models, health attitudes, values and beliefs have been found to play an important role in the perception, experience and understanding of symptoms, the choice of treatments, the decision to seek treatment and the benefits of treatments. This study is in keeping with these models also supports the view that demographic variables plays a role in the seeking of help.

The accessibility of services, as the HBM, Anderson's Model (1968) and Young (1980) also found, contributes to the utilization of health services. Responses to items such as 5, 7, 10, 11, 15, 17, 18, 19 24 and 30 on the HBQ, supports concepts such as 'health locus of control', 'internal health locus of control', 'powerful others health locus of control' and 'chance health locus of control' (Wallston and Wallston, 1984)

The fact that these results validate some of the fundamental aspects of the common health and illness models suggests that these western models may be adapted for use in the African context. Local research, like this present one, can be integrated into already existing models to provide more useful working models for local usage.

6.9 TOWARDS A MODEL OF HEALTH AND ILLNESS

Based on the findings of this study it is possible to construct a helpful model of African help seeking behaviour valid at least for communities similar to the urban African communities studied here. A graphical representation of the model is presented in Figure 12. The experiences of symptoms alerts the individual of changes taking place and commences the process of help seeking. The symptoms experienced by the patients are

both psychological and physical. As much as 63% experience physical symptoms and about 20% psychological symptoms. These symptoms that are experienced are evaluated in the context of the individual's personal conception of health and illness. This study has uncovered further evidence for the view that the urban African's conception of health and illness is holistic.

Health is viewed as feeling good, well, comfortable, free in body and mind and involves the feeling of contentment with life. The individual's mood indicates that the person is well; there is no pain; the individual is active and productive; there is normal vegetative functioning and the individual socializes appropriately. Changes in any of these will constitute illness.

These changes, that is the physical and psychological changes, as well as the cognitive evaluation of the changes, alert the individual that all is not well (this may be referred to as the stage of alertness). The individual will disclose this experience or feeling to others. About as many as 86% will share this information with others. This sharing of symptoms is referred to as illness disclosure. The purpose of illness disclosure is to help the individual make sense of his or her symptoms. Illness disclosure may also be a learned response in the individual's initial assumption of illness behaviour and sick role behaviour. The support and disclosure is most often to mother, family and friends. This is probably because mothers are generally the ones closest to the individual from birth. The experience of symptoms, is therefore, associated with the caring and nursing of a mother or mother figure and hence support will be sought from such individuals. The view that older folk know a lot about diseases will also lead to the seeking of help or support from them.

During the stage of alertness the individual tries to understand or attach meaning to the symptoms. In addition, the views of others (to whom the individual has disclosed his illness to), the individual beliefs and past experiences will also play a crucial role in establishing meaning for the symptoms.

Beliefs may be categorised into four main areas; These are, cultural, self-blame, medical or body malfunction (Table XXXIX - factors 1, 2, 3, and 5). Table XXXV provides examples of these beliefs. The experiences that assist in the understanding of the symptoms refer to those illness experiences the individual has experienced in the past and its consequences, as well as experiences of others who were ill or experiences of illness via other means such as television, newspaper, stories, oral traditions, formal education and other media.

On the basis of the meaning or understanding of these symptoms active help-seeking begins. However, as much as 46% will still not know what is wrong with them other than realise that they are ill and require help. The understanding or meanings ascribed to symptoms may be categorized into three broad areas, namely, medical, lay and/or cultural (Table XXXIX).

The help-seeking behaviours will vary. Help-seeking may be separated into four broad areas, namely, self-help, prayer, cultural and/ or medical. Self help will include the use of substances available at home, from significant others, shops and pharmacies. About 32% (Table XXXVI) will medicate themselves. The substances used may vary from homemade concoctions to medical treatments (Table XXX).

Prayer as a method of help-seeking is based on the religious view that they could be healed by God who has the power to do so. Usually prayer is obtained from members of churches or other religious organisations. Cultural treatments are obtained from the traditional healer, the faith healer and herbalist.

The use of medical services is the fourth type of treatment. However, only about 20 percent will visit a doctor immediately. About 40% will monitor their symptoms and at the point that they think that it is serious enough will they visit a doctor. In some instances the delay in visiting a doctor may be due to other barriers such as financial constraints, lack of transport, availability of appointments, sick leave and personal problems such as no baby sitters or no one to accompany the person for treatment.

Medical help-seeking is probably the result of learned behaviour, sanctioned socially accepted behaviour and the result of western influences about the understanding of illness and health. The initial reason, that is medical help seeking is a learned response, is due to several ways in which the behaviour could have been reinforced. These days, more and more African babies are being born in the hospital and not, as in the past, at home by midwives. As a result, the individual is exposed from birth to hospitals, doctors and clinics. Even pregnancy, a normal developmental process is medicalised because of the development of specialised obstetric care and the fact that a pregnancy is treated as a "disease" where the mother is required to attend ante-natal clinics. The follow up care at clinics after birth to monitor birth weight and the immunization of children further reinforces this view. Visits to the doctor and the interaction with the doctor leads to a learned response by the individual especially in a manner that is acceptable to the doctor. In this regard, patients are influenced to present symptoms to their doctors in a particular

way. This process of learning takes place through the association of symptoms with doctors, the reinforced benefits of treatment and modelling.

Other aspects that influence the choice and selection of medical services are the location and quality of the service provided. Individuals will use services located closest to them or where they believe good services are provided. Here again, the opinions of significant others play an important role in determining where good services exist.

It is important to note that the various sources of treatment, namely, self-help, prayer, cultural and medical are not necessarily mutually exclusive treatments. Individuals tend to use them concurrently. However, certain treatments may become socially sanctioned more than others. For example, with acculturation medical help seeking is more socially accepted than cultural treatments. Yet the utilization of a particular treatment may not represent complete or total treatment because there may exist the belief that doctors can treat symptoms but not the cause or that doctors are not the only ones who can treat people who are ill (HBQ item 10 and 19 respectively). Alternative treatments may then be sought but if these are not socially sanctioned it would take place clandestinely .

6.10 SUMMARY AND CONCLUSIONS

This study has demonstrated the following:

- 1 Urban Africans have a personal conception of illness, health and disease that influences their manner of help-seeking. Health is viewed as feeling good, well, comfortable, free in body and mind and involves one feeling content with life. The individual's mood indicates that the person is well, there is no pain, the individual is active and productive, there is normal vegetative functioning and the individual socializes appropriately. Their personal or phenomenological definition of health, illness and disease is holistic and is strongly influenced by their traditional and cultural context and experience. With westernisation and urbanisation the process

of acculturation is rapidly taking place resulting in the integration of western views on health, illness and disease with their existing view.

- 2 There are certain attitudes and beliefs that directly influence both positive and negative health behaviour. What emerges are several health beliefs about the aetiology, treatment and prevention. In this study the following beliefs emerged: aetiological beliefs (external ancestral/ evil, self-blame, medical, physical weakness or body malfunction); treatment beliefs (self medication, medical, prayer, holistic treatment) and the preventative belief (self care). Failure to take these beliefs into account will result in negative health behaviours. Some of these beliefs, such as, bewitchment, demon possession and body functioning attributed to “something wrong with their blood”, “dirty organs” and “water in the head” may also contribute to delays in medical help-seeking or the taking of substances that could be fatal to the individual. Self-medicating and seeking of prayer can also delay the seeking of medical treatment.

Other attitudes and beliefs that contributed to help-seeking of medical services were that the hospital provided the best services for Africans, the treatment was good and it provided the best facilities. The beliefs that the hospital is busy and crowded, illness is not serious enough, that one may get better without intervention and denial of illness also contribute to delays in seeking help.

- 3 The Hospital Group did not significantly differ from the other groups on health beliefs, social support, symptom perception or life experiences. This suggest that those who seek medical help do not have a peculiar profile. Rather, there are several health beliefs which interact in a complex way and may lead to medical help-seeking.
- 4 Health action was found to be influenced by significant individuals in the subject's environment. They are usually mothers, spouses, friends, family as well as

employers and doctors. These individuals play an important part in helping the individual understand his or her symptoms as well as the seeking of help.

- 5 Demographic variables, such as, age, sex, education and urbanisation strongly influence the health and illness beliefs. Younger adults, with higher education and who have lived longer in urban environments tend to use western modes of treatments more readily. With regards to sex it was found that more females attended the hospital. The hospital attenders also had lower education, moved recently to urban areas and had a significantly higher number of unemployed or unskilled.
- 6 These results validated some of the fundamental aspects of the common western health and illness models. This suggests that these models may be adapted for use in the African context. Local research like this one can, therefore, be integrated into research already done in order to be used locally .
- 7 The use of services and facilities are determined by the location, accessibility and the quality of services. Individuals will use services and facilities that are closest to them and which they perceive as providing a good service. Generally, subjects were pleased with the treatment they received at the hospitals. The aspects that subjects were not pleased about were doctor-patient relationships, poor or inadequate facilities, time delays and illness not cured.
- 8 There were certain barriers that negatively affected help-seeking. These were financial costs, time, transport, lack of community supports (such as, creches, lack of places to leave children in order to attend the hospital and no one to accompany those that are very ill), no early appointments available at the hospitals and other priorities, such as, work and school.
- 9 Symptoms have been identified as a “trigger factor” or precipitant of help-seeking. Both physical and psychological symptomatology are experienced and recognised. Almost 50 percent were not able to associate the symptoms with a disorder.

- 10 Patients used medications that they obtained from doctors or a pharmacy. The subjects also acknowledged the use of vitamin supplements for increasing their strength, to improve their health, make them active, protect them from illnesses and diseases and as a blood supplement.
- 11 Individuals use other forms of treatments independent of medical treatments. A significantly high number are Christian who use prayer and so consult traditional healers and/ or faith healers as well. Traditional or cultural treatments cost between R68.23 to R95.29. Subjects generally consult traditional healers for about three times and thereafter there is a decline in attendance. Of those that used these treatments between 40 to 80 percent found them beneficial and indicated that they will continue traditional treatment.
- 12 A model of help-seeking for urban Africans. This model explains the process involved in the seeking of help when ill.

These results demonstrate the importance of study of health and illness behaviour within the South African context. It is obvious that one of the important roles of the clinical psychologist in South Africa is the research and practice of psychology in health settings. This is especially important since the health system of the country is presently being dismantled because the existing health structures, which were developed on racial segregation, have now been rejected. With the announcement of the State President that health is to become a function of general affairs from the 1 April 1993 (Daily News, 30 January 1993), it is essential that in the development and re-structuring of an health system that the perspectives of clinical psychologists are taken into account. Clinical psychologists can play an important function in both policy-making and in the structuring and planing of health care facilities (from which they have been left out in the past) by applying their knowledge and skills in health psychology. Such an approach is adopted at the Sub-Department of Medically Applied Psychology, Department of Psychiatry, Faculty

of Medicine, University of Natal, Durban, where the psychologists, as part of their function at the Medical School, are involved in policy making. It is hoped that such a situation is expanded to other parts of the country.

Clinical psychologists can also play an important function in general hospitals and medical schools. In other parts of the world there has been an increase in the employment of psychologists in health related fields (Gentry and Matarazzo, 1981; Howard et al., 1986; Millon, 1982; Sweet et al. 1991). While this is still to become a trend in South Africa, the role of psychology in this country is also undergoing critical review. At the recent PASA annual general meeting there was a recommendation that the organisation disbands because of *inter alia* its lack of relevance for the present context of a changing society. While the relevance of the traditional role of psychologist may be questioned there is evidence in this present research that psychologists in this country may have a special role to play in the field of health.

This present research supports the view that, although difficult, cross-cultural research in health psychology can and must be undertaken. More research of this nature can only help to provide better care and treatment to the many in our country that have been disenfranchised. In addition, research of this kind will contribute to rapidly equalise the imbalances that presently exist. Studies of this kind will also help in the development of new as well as the standardising of, research instruments in health psychology within the South African context.

It is hoped that this present research will create interest in the area of psychology as it is applied to health and illness in South Africa. Specific areas of health and illness can be selected and studied within tightly controlled research designs thus providing insights for the treatment of Africans in this country.

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APPENDIX
