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Patients' satisfaction with surgical services in a tertiary hospital: A cross-sectional analytical study

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ABSTRACT

Patients' satisfaction with health services is partly shaped by the prevalent quality of such services in that locality, cultural values, and the year in health service development. The aim of this study was to evaluate the degree of patients' satisfaction with the surgical services rendered at the Surgery Department of the Rivers State University Teaching Hospital in February of year 2024.

A cross-sectional analytical study was carried out among all consenting patients who access surgical services at the Rivers State University Teaching Hospital. There were 220 (56.4%) male respondents and 170 (43.6%) females, with a mean age of 43.2±16.3 years. Majority of the respondents were satisfied (average, good and excellent) with the core surgical services (94.1%) and surgical support services (100%). The cumulative overall patients' satisfaction for both core surgical and surgical support services was 99.2%. A statistically significant positive relationship was found between the degree of satisfaction with core surgical services and technical competencies of staff, respect and good handling, ease of access, good services, and cost of surgical services.

An overall above average level of patients' satisfaction is reported in this study, and some areas of improvement were identified. The cost of surgical services, technical competencies of staff, and respect and good handling, were the most dominant reasons that shaped patients' satisfaction.

AJMCRR, 2024 Volume 3 | Issue 4 | 1 of 13

Keywords: Patient's Satisfaction, Surgical Services, Port Harcourt, Nigeria.

Introduction

not ignored" to enable them thrive in such chang- with time spent in doctors' consultation. 15 ing environment over time.8 While "everyone" seems to know what customer satisfaction is, defining it academically has been reported to be associated with inconsistencies in terms of whether it is a response - emotional or cognitive; involving a particular focus - expectations, product, consumption experiences; or timing of such experience before consumption, after choice, based on accumulated experience, etc. 9 Essentially however, it is the cumulative verdict of a customer or consumer about a product or services that determines further or subsequent usage or patronage, thereby shaping market response to that product or services.

consumer, client, or patients who access services at Teaching Hospital in February of year 2024. the hospital. Patients' satisfaction with health services is partly shaped by the prevalent quality of Materials and Methods such services in that locality, cultural values, and Research Design: A cross-sectional analytical the year in health service development. Hence the study was carried out. same quality of services offered in a community

faction level may vary with countries or continents Although the concept of customer satisfaction with from the same services. In Africa, survey of paservices has always been around, it started to at- tients' satisfaction with surgical services had yieldtract serious attention within the last 50 years. The ed varying degrees of overall satisfaction, reported recognition of the importance of customer satisfac- from 67.43% in Rwanda to 98.1% in Gondar hostion in business/service delivery has led to the con- pital north-west Ethiopia. 10,11,12,13 In Nigeria, an cept that the customer is "king", "always right", overall perioperative patient satisfaction of 86.85% supreme.^{2,3,4} However, some writers have had to was reported at University of Uyo Teaching Hospichallenge these assertions.^{5,6,7} The American Cus- tal.¹⁴ The result of a survey of waiting time and tomer Satisfaction Index (ACSI) regards customer patients' satisfaction at the general outpatient clinic satisfaction as "a strategic company asset that of the University of Port Harcourt Teaching Hospishould be optimized, not maximized, and certainly tal was reported in 2017 showing 93% satisfaction

Institutional and government efforts are ongoing in terms of resources and human capital to expand the scope of services rendered in our health facility to meet the triune expectations for training, research and service delivery, as expected of a budding Teaching Hospital. It is pertinent therefore that we evaluate the quality of our services at the Surgery Department of the hospital. Cardinal to any planned improvement in quality of medical or surgical services is patients' satisfaction with the offered services. 16,17,18 The aim of this study therefore, was to evaluate the degree of patients' satisfaction with the surgical services rendered at the In the health sector, the customer is the public, Surgery Department of the Rivers State University

setting may elicit different levels of patients' satis- Study Area: The study was done in Port Harcourt faction if provided in township setting, and satis- at The Rivers State University Teaching Hospital, Republic of Nigeria.

clinics, and the surgical wards of the Surgery De- with Spearman rank correlation ratio. partment at the Rivers State University Teaching Hospital.

Study Population: All consenting patients who act the study. cessed surgical services at the Surgery Department in the month of February 2024 were included.

Sampling Method: Total population of consenting patients was targeted.

Study Instrument: An interviewer-administered questionnaire was used for data collection.

Validity/Reliability of Instrument: The study data was scrutinized by all the authors for authenticity or otherwise, and pre-tested before use. The Cronbach alpha test was done and yielded 0.854.

Bias: Some of the respondents were patient relatives (and not patients). We deliberately included this category because they often have the most contact with the different parts of the hospital in the course of caring for their patients, from the experience in our practice. Hence, they have knowledge of the positive and the negative aspects of our practice that could help in improvement.

Study Variables: The study variables were socio- Table 1 shows the socio-demographic characteris-(using the five Likert scale); etc.

a tertiary healthcare facility in Port Harcourt, the Data Analysis: The obtained data was analysed uscapital of Rivers State, South-South of the Federal ing the Statistical Package for the Social Sciences (SPSS) version 20.0. The correlation between respondents' degree of satisfaction with core-surgical Study Sites: The sites of study were the surgery services and the reasons for satisfaction was done

Results

There was a total of 390 respondents involved in

Table 1: Socio-demographic characteristics of respondents (n = 390)

Variables	Number	Percentage
Sex		
Male	220	56.4
Female	170	43.6
Age (mean=43.17±16.3 years)		
≤ 20 years	25	6.4
21 - 40 years	164	42.1
41 - 60 years	140	35.9
> 60 years	61	15.6
Marital Status		
Single	141	36.2
Married	245	62.8
Widow/Widower	4	1.0
Religion		
Christianity	385	98.7
Islam	5	1.3
Occupation		
Civil Servant	39	10.0
Public Servant	41	10.5
Business/Trader	128	32.8
Artisan	53	13.6
Student	61	15.6
Farmer/Fisherman	21	5.4
Retired	39	10.0
Unemployed	8	2.1

demographic data, degree of satisfaction with core tics of respondents involved in the study. There surgical services (using the five Likert scale), de- were 220 (56.4%) male respondents and 170 gree of satisfaction with surgical support services (43.6%) females. The mean age was 43.17±16.3 years. Two hundred and forty-five (62.8%) were married and 385 (98.7%) were Christians. The

dominant occupation was business/training (n = 128; 32.8%) followed by students (n = 61; 15.6%), and artisan (n = 53; 13.6%).

Table 2: Degree of satisfaction with core-surgical services (n = 390)

Variables						
Professional Surgical Care	No Idea	Very bad	Bad	Average	Good	Excellent
	Number (%)	Number (%)				
Surgical outpatient clinic	72 (18.5)	10 (2.6)	0 (0.0)	78 (20.0)	216(55.4)	14 (3.6)
Surgical ward admission care	118 (30.3)	10 (2.6)	0 (0.0)	40 (10.3)	179(45.9)	43 (11.0)
Surgical operating theatre Care	134 (34.4)	12 (3.1)	10 (2.6)	65 (16.7)	120(30.8)	49 (12.6)
Physical Facilities						
State of the surgical clinics	63 (16.2)	10 (2.6)	0 (0.0)	75 (19.2)	181(46.4)	61 (15.6)
State of the Accident and Emergency (A/E) unit	192(49.2)	0 (0.0)	35 (9.0)	40 (10.3)	86(22.1)	37 (9.5)
State of the surgical wards	103 (26.4)	12 (3.1)	5 (1.3)	50 (12.8)	127(32.6)	93 (23.8)
State of the surgical operating theatre	108 (27.7)	0 (0.0)	0 (0.0)	65 (16.7)	178(45.6)	39 (10.0)
Staff Behavior						
Behavior/Attitude of surgeon	84(21.5)	0 (0.0)	27 (6.9)	24 (6.2)	<u>225(57.7</u>)	30 (7.7)
Attitude of Medical Officer/ Resident Doctors	18 (4.6)	12 (3.1)	0 (0.0)	41 (10.5)	<u>285(73.1)</u>	34 (8.7)
Attitude of House Officers	4 (1.0)	0 (0.0)	24 (6.2)	57(14.6)	261(66.9)	44(11.3)

Table 2 shows the degree of satisfaction of respondents with core-surgical services. Majority of respondents asserted "good" to the "attitude of medical officer/resident doctors" at work (n = 285; 73.1%), "attitude of house officers" (n = 261; 66.9%), and "behaviour/attitude of surgeon" (n = 225; 57.7%). The variables show that the greater number of respondents recorded their degree of satisfaction in the excellent range were "state of the surgical wards" (n = 93; 23.8%), "state of the surgical clinics" (n = 61; 15.6%), surgical operating theatre care (n = 49; 12.6%), attitude of house officers (n = 44; 11.3%) in decreasing order. The total score of the degree of satisfaction for A/E Department (based on average, good, excellent) was less than half of respondents (n = 163; 41.9%). Some respondents reported the state of the Accident and Emergency Department (n = 35; 9%) and the attitude of some surgeons (n = 27; 6.9%) as bad.

Table 3: Degree of satisfaction with surgical support services (n = 390)

Variables						
	No Idea Freq (%)	Very bad Freq (%)	Bad Freq (%)	Average Freq (%)	Good Freq (%)	Excellent Freq (%)
General environmental hygiene of the hospital	0 (0.0)	0 (0.0)	0 (0.0)	43 (11.0)	20853.4)	139 (35.6)
The Intensive care unit care	205 (52.6)	0 (0.0)	0 (0.0)	79 (20.3)	98 (25.1)	8 (2.1)
Surgical Records Services	38 (9.7)	0 (0.0)	33 (8.5)	104 (26.7)	213 (54.6)	2 (0.5)
Nursing Care services	3 (0.8)	0 (0.0)	35 (9.0)	63 (16.2)	260 (66.7)	29 (7.4)
Laboratory services	0 (0.0)	12 (3.1)	18 (4.6)	57 (14.6)	248 (63.6)	55 (14.1)
Radiologic services	79 (20.3)	0 (0.0)	11 (2.8)	76 (19.5)	200 (51.3)	24 (6.2)

AJMCRR, 2024 Volume 3 | Issue 4 | 4 of 13

Table 3 shows patients' degree of satisfaction with surgical support services and environment. More than half of the respondents (minimum n = 200, 51.3%; maximum n = 260, 66.7%) rated the surgical support services as "good". Few surgical support services were rated as excellent, and the general environmental hygiene of the hospital attracted the highest rating (n = 139; 35.6%). The only area reported as "very bad" by a minority of respondents (n = 12; 3.1%) was laboratory services. However, laboratory services were rated as excellent by 55 (14.1%) respondents.

Table 4: Degree of satisfaction with attitude of categories of surgical support staff (n = 390)

Variables						
	No Idea	Very bad	Bad	Average	Good	Excellent
	Freq (%)	Freq (%)	Freq (%)	Freq (%)	Freq (%)	Freq (%)
Attitude of Nursing staff	16 (4.1)	0 (0.0)	22 (5.6)	92 (23.6)	231(59.2)	29 (7.4)
Attitude/Behavior of Anesthetist	98 (25.1)	0 (0.0)	8 (2.1)	59 (15.1)	185(47.4)	40 (10.3)
Attitude of Laboratory Staff	3 (0.8)	13 (3.3)	49 (12.6)	103(26.4)	193(49.5)	29(7.4)
Attitude of Radiology staff	68 (17.4)	0 (0.0)	38 (9.7)	78 (20.0)	206(52.8)	0 (0.0)
Attitude of Record Staff	6 (1.5)	0 (0.0)	13 (3.3)	224(57.4)	119(30.5)	28 (7.2)
Attitude/Behavior of Security staff	0 (0.0)	0 (0.0)	88 (22.6)	42 (10.8)	231(59.2)	29 (7.4)

Table 4 shows the respondents' degree of satisfaction with the attitude of different categories of surgical support staff. More than half of the respondents reported the attitude of all of the support staff to be "good". A few of the respondents rated the attitude of staff as excellent and they include: the anaesthetists (n = 40; 10.3%), medical record (n = 28; 7.2%), and nursing, laboratory & security staff (n = 29; 7.4% respectively). Thirteen patients (3.3%) rated laboratory staff attitude as very bad.

Table 5: Respondents' opinion on surgical specialties whose services they are most satisfied with (n = 390)

Variables					
Specialty	Don't Know	Strongly Disagree	Disagree	Agree	Strongly Agree
	Freq (%)	Freq (%)	Freq (%)	Freq (%)	Freq (%)
Neurological	275 (70.5)	10 (2.6)	13 (3.3)	66 (16.9)	26 (6.7)
General Surgery	55 (14.1)	28 (7.2)	27 (6.9)	166 (42.6)	114 (29.2)
Orthopedic Surgery	233 (57.7)	27 (6.9)	64 (16.4)	41 (10.5)	25 (6.5)
Pediatric Surgery	251 (64.4)	13 (3.3)	39 (10.0)	66 (16.9)	21 (5.4)
Burns, Plastic and Reconstructive surgery	239 (61.3)	39 (10.0)	24 (6.2)	88 (22.6)	0 (0.0)
Urology	248 (63.6)	13 (3.3)	42 (10.8)	50 (12.8)	37 (9.5)

AJMCRR, 2024 Volume 3 | Issue 4 | 5 of 13

Table 5 shows the respondents' opinion on surgical specialties whose services they were most satisfied with. Majority of the respondents did not have an opinion on this interrogation. However, the highest recorded number of "strongly agree" rating goes to General Surgery Specialty.

Table 6: Reasons for patient's satisfaction in the surgical services (n = 390)

Variables					
	Don't Know	Strongly Disagree	Disagree	Agree	Strongly Agree
	Number (%)	Number (%)	Number (%)	Number (%)	Number (%)
Cleanliness	50 (14.4)	52 (13.3)	24 (6.2)	154(39.5)	110 (28.2)
Technical competencies of staff	39 (10.0)	30 (7.7)	14 (3.6)	210 (53.8)	97 (24.9)
Respect and good handling	14 (3.6)	28 (7.2)	22 (5.6)	202 (51.8)	124(31.8)
Ease of access	69 (17.7)	27 (6.9)	26 (6.7)	192(49.2)	76(19.5)
Promptness of service	46 (11.8)	40 (10.3)	71 (18.2)	180(46.2)	53 (13.6)
Good services	40 (10.3)	28 (7.2)	48 (12.3)	177 (45.4)	97 (24.9)
Cost of surgical services	17 (4.4)	19 (4.9)	31 (7.9)	236(60.5)	87 (22.3)

Table 6 shows the reasons for respondents' satisfaction with surgical services. Respondents rated their reasons for satisfaction with surgical services, and more than half "Agree" that cost of surgical services (n = 236; 60.5%), technical competencies of staff (n = 210; 53.8%), and respect and good handling (n = 202; 51.8%) accounted for their satisfaction. However, the variable to which the highest number of respondents "Strongly Agree" to as being responsible for their degree of satisfaction was "Respect and good handling" (n = 124; 31.8%), followed by environmental "cleanliness" (n = 110; 28.2%).

Table 7: Patients' opinion on waiting time at the surgical outpatient clinics (n = 390)

Variables	Number	Percentage
Waiting time on first visit (mean= 2.69±1.6 hours, min=15mins, max=8hrs)		
Less than 1hour	24	6.2
1-2 hours	169	43.3
3-5 hours	155	39.7
More than 5hours	24	6.2
Don't know	18	4.6
Waiting time on last visit		
Less than 1hour	13	3.3
1-2 hours	228	58.5
3-5 hours	98	25.1
More than 5hours	18	4.6
This is my First Visit	33	8.5

Table 7 shows respondents' opinion on waiting time at the surgical outpatient clinics. The mean waiting at first visit was 2.69±1.6 hours, while that on last visit was 2.27±1.5 hours.

AJMCRR, 2024 Volume 3 | Issue 4 | 6 of 13

Figure 1: Patients' degree of satisfaction with core surgical services

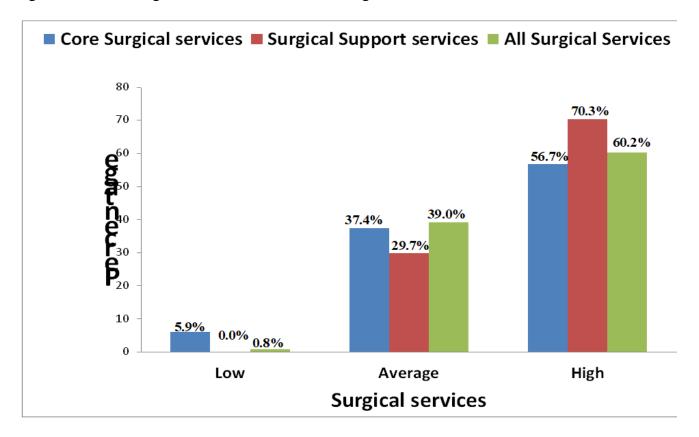


Figure 1 shows the summary of the degree of satisfaction with surgical services. The overall patients' satisfaction with core surgical services (average and high) was 94.1%. One hundred percent of patients were satisfied (average and high) with surgical support services. The cumulative score for all surgical services was 99.2%.

Table 8: Degree of satisfaction with core surgical services and reasons for satisfaction/gender of respondents

Variables Reasons for satisfaction			Degree of satisfaction with core surgical services			
Cleanliness			r= 0.064; P>0.05 (P= 0.207)			
	Technical co	mpetencies of staff		r= 0.143; P<0.05 (P= 0.005)		
	Respect an	d good Handling		r=	0.408; P<0.01	(P= 0.000)
	Ease	of access		r=	0.208; P<0.01	(P=0.000)
	Promptr	less of service		r= 0.072; P>0.05 (P= 0.159)		
	Good services			r= 0.183; P<0.01 (P= 0.000)		
	Cost of S	urgical services		r= 0.104; P<0.01 (P= 0.000)		
	Degr	ee of Satisfaction w	rith core surgical	service		
Gender	der Low Average High			Total	(X^2)	P-Value
Male	Tale 16 (7.3%) 82 (37.3%) 122(55.5%)			220		
Female	7 (4.1%)	64 (37.6%) 99 (58.2%)		170	1.753	0.416
Total	23	146	221	390		

The correlation between respondents' degree of satisfaction with core-surgical services and the reasons

staff, respect and good handling, ease of access, good services, and cost of surgical services. Although female respondents displayed higher satisfaction than the male respondents, this relationship was not statistically significant (P>0.05).

Discussion

good virtue to be cherished, however, knowing the ported waiting time that vary from 2 to 4 hours.²¹ infallibility of man, warrants any organisation that Our study is also similar to the observation of wishes to improve to value the opinion of its critics overall 168.4 minutes (2.8 hours) reported in a or umpire. Such is the case with the opinion of the study in Sokoto Northern Nigeria at the General opposition party in a sane democracy (who like the Outpatient Department of a Teaching Hospital.²² "common man" feels the effect of the government The computerization/digitization of patients' payin power); the opinion of the referee or video as- ments/registration along with other administrative sisted referee in a game of soccer; and of course, implementations in our centre would have been the opinions of patients/the public in surgical ser- responsible for the improved waiting time. vices delivery. This philosophy partly forms the theoretical basis for this study that sought the opinions of our patients (patients' perspective) to achieve desired improvement in surgical services. There were more male respondents than females (male to female ratio of 1.83:1), and their mean age was 43.17±16.3 years. This mean age is higher than the value of 33.7 ± 17.2 years reported in Ibadan as mean age among surgical emergency patients. 19 However, our study evaluated all categories of surgical patients inclusive of non-emergent cases. Our finding is also higher than the mean age of 38.63 years in Kigali Rwanda were study of patients' satisfaction with surgical services was also done. 10 It is however, relatively similar to the mean age 40.9 years reported in a similar study in Port Harcourt among patients in General out Patient clinics.15

for satisfaction is shown in Table 8. A positive Waiting time is a key quality that partly deterstatistically significant relationship is demonstrat- mines patients' satisfaction with services.²⁰ The ed between the degree of satisfaction with core mean waiting time, in the opinion of the respondsurgical services and technical competencies of ents was 2.7±1.6 hours at first visit, and 2.3±1.5 hours on last visit. This time covers from patients' arrival at the hospital to the point of having access to see the surgical personnel for first timers and follow up visits. This finding is less than the 274 minutes (approximately 4½hours) reported in Port Harcourt 2017 for general outpatient consultation, 15 where the waiting time was found to affect Confidence in one's self or one's services is a patients' satisfaction. Most studies in Nigeria re-

> The background hospital environment in which surgical services are offered affects the perception or opinion of the patients about the services. This is partly psychological as a high-quality surgical service in a poor hospital environment may not have the same patient satisfaction as such services found in a good quality environment, because the first example erodes the trust from the patients. This concept is partly highlighted in studies that emphasize environmental variables/tangibility factors and patient satisfaction for quality improvement. ^{23,24,25} In our study, the state of the surgical wards, surgical clinics, surgical operating theatre care, and the attitude of the most junior medical doctors were rated in the excellent range in decreasing order. It is reassuring that the efforts of the Rivers State Government in improving health

AJMCRR, 2024 Volume 3 | Issue 4 | 8 of 13 beginning to make some impact.

Majority of the respondents were highly satisfied (good and excellent) with the core surgical services, and cumulatively 94.1% of respondents were satisfied (average and high) with the core surgical services. Our finding is higher than the observation for surgical services evaluation study in Delta State where patients' satisfaction with the "technical quality" of services was rated 82.6%. 26 The only variable among the core surgical services in which less than half of the respondents were satisfied was the emergency surgical service access point. The total rating of the degree of satisfaction (average, good, excellent) for the Emergency Department (ED) was less than half (41.9%). Additionally, almost a tenth of respondents opined that the state of the Accident and Emergency Department was "bad". The ED is that part of the hospital where emergency surgical (and medical) patients gain access to be attended to by the surgical teams. Our value of 41.9% is very low compared to 75%/95% patients' satisfaction at the ED/surgical assessment unit in a study in Ireland.²⁷ However, our value of 41.9% is limited to the "state of the Accident and Emergency Department", and not necessarily a summation of the surgical services rendered at the Department. In a South-Western Nigeria study, 90.5% of participants indicated their satisfaction with emergency care services rendered at the centre, which is higher than finding in our study.²⁸

The attitude exhibited by the health care staff while rendering services to the public should be welcoming enough to partly allay the anxiety of the patients, among others. This concept is emphasized in a study on Hospital Service Quality in Nigeria, as one of the eight dimensions of service quality.²⁹

through infrastructural upliftment, and the institu- More than half of the respondents positively asserttional and departmental administrative input are ed to the attitude of the core surgical care personnel. The rating for patients' satisfaction (combined average, good, and excellent) with surgical personnel's attitude was 71.6% for surgeons, 92.3% for Medical Officer/Resident Doctors, and 92.8% for House Officers, giving a cumulative average of 85.6%. This study recorded a low in the attitude of some surgeons, as few respondents described their attitude as "bad". The cumulative rating of the attitude of core surgical staff in this study is less than that reported by Ekpe and Peter in Akwa Ibom State Nigeria where 91.1% (satisfied and very satisfied) was observed.14 Although majority of the respondents did not have an opinion on the surgical specialty whose services was more satisfying, General Surgery Specialty had the highest recorded number of "strongly agree".

> Our core surgical overall finding of 94.1% patient satisfaction (averagely satisfied 37.4%, highly satisfied 56.7%) is higher than the 86.57% reported for overall patients' satisfaction with surgical services at the University of Uyo Teaching Hospital in vear 2016.¹⁴ Although these two studies were done about 8 years apart, some structural and administrative changes prevalent at our centre may have accounted for the difference in these findings. Our finding is also higher than the overall patient satisfaction of 75.8% reported in the middle-belt of Nigeria,³⁰ and 63.1% reported for a tertiary health facility in Delta State.²⁶ However, it is lower than the overall patient satisfaction of 98.1% for surgical services in Gondar-Ethiopia.¹³

> One hundred percent (100%) of patients were satisfied (both average and high) with surgical support services. Although laboratory services were rated excellent by more than a tent of respondents, a few

AJMCRR, 2024 Volume 3 | Issue 4 | 9 of 13 some individuals had some experiences about our surgical services. laboratories that were below their expectations.

range is another possible explanation for the 100% covered in our study. patient satisfaction observed with surgical support services.

rather not surprising therefore that the technical the attitude of some staff, and laboratory services. competencies of staff, respect and good handling of patients, ease of access to surgical services, Recommendations: The surgeons and other surgigood services, and cost of surgical services in this cal support staff should make extra effort to en-

scored the services as very bad. This implies that with respondents' degree of satisfaction with core

Irrespective of these, all the patients were still av- Study Limitations: Not all the respondents ineragely / highly satisfied with the surgical support volved in this study passed through the whole serservices. The general environment hygiene and vices offered by the Surgery Department, and ambience of the hospital which was score highest hence may not have had first-hand personal opinmust have contributed to this observation. The im- ion across board. This implies that the information pressive role of certain categories of surgical sup- provided by this category of patients/respondents port staff - anaesthetists, medical record, nursing, in this study may represent what they know about laboratory staff, and security staff which earned our services from the pool of public opinion. Addithe accolades of the respondents in the excellent tionally, not all aspects of patient satisfaction were

Conclusion

Above average patient satisfaction was rated by The cost of surgical services, technical competen- majority of surgical patients for core surgical sercies of staff, and respect & good handling were the vices rendered, and a similar rating applies for surtriune factors that accounted for the satisfaction of gical support services. The general environmental more than half of the respondents using the affir- hygiene of the hospital attracted an excellent score mation "agree", out of which "respect & good han- by more than a third of the respondents. The attidling" in the "strongly agree" category. In a sys- tude/behaviour of surgical and non-surgical staff tematic review of the determinants of patients' sat- was rated above average by more than half of reisfaction with health services, the quality of the spondents. The cost of surgical services, technical health providers' interpersonal care was found to competencies of staff, and respect & good hanbe key among others.³¹ The findings of other stud- dling were the most dominant reasons that shaped ies also emphasized the importance of this interac- patients' satisfaction, and all these factors and ease tion with patients. 32,22,24 It is therefore not surpris- of access to surgical services were found to have ing that patients in the index study valued "respect statistically significant positive relationship with and good handling" as revealed in our study. The patient satisfaction with core surgical services. Altemphasis on cost of surgical services is also not hough an overall high level of patient satisfaction surprising bearing in mind the current economic is reported in this study, there are still identified situation of Nigeria. Our finding is in agreement areas of improvement. These areas include the with other researchers on this subject. 35,36,37 It is state of the Accident and Emergency Department,

study, all had statistically significant relationship hance interpersonal relationship with patients in

the interest of humanity. Effort should be channeled to improve the state of the Accident and Emergency Department of the hospital. The current 5. Borna S, Stearns JM. The Philosopher Is Not cleanliness of the hospital and other result-oriented measures should be sustained.

Other Information

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search Ethics Committee of the Rivers State University Teaching Hospital was obtained.

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Conflict of Interest: None declared.

Appendices

Institutional Research Ethics Committee approval Study Questionnaire

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AJMCRR, 2024 Volume 3 | Issue 4 | 13 of 13