

Table 1: Socio-demographic characteristics of a study participant in Zewditu Memorial Hospital 2020 Addis Ababa, Ethiopia

	Frequency (N=144)	Percentage (%)
Age		
10-19 years	16	11
20-29 years	45	31
30-39 years	37	26
40-49 years	18	13
>=50 years	28	19
Sex		
Female	85	59
Male	59	41
Residence		
In Addis	116	81
Out of Addis	28	29

Table 2: Clinical characteristics of study participant clients in Zewditu Memorial Hospital 2020 Addis Ababa, Ethiopia

Sr.no	Diagnosis	Frequency (N=144)	Percent (%)
1	Acute appendicitis	32	22.22 %
2	Cholilithiasis	27	18.75 %
3	Bowel obstruction	21	14.58 %
4	Goiter	13	9 %
5	Hernia	12	8.33 %
6	Breast cancer	11	7.64 %
7	Perforated PUD	9	6.25 %
8	Penetrating abdominal injury	7	4.86 %
9	Benign prostatic hyperplasia (BPH)	5	3.47 %
10	Testicular torsion	4	2.78 %
	Others	3	2.12 %
	Total	144	100 %

Table 3: Operational related characteristics of the study participant, in Zewditu Memorial Hospital 2020, Addis Ababa Ethiopia

Variables	Category	Frequency (N=144)	Percentage (%)
Type of surgery	Elective	102	71 %
	Emergency	42	29 %
Type of anesthesia	General	115	80 %
	Spinal	17	12 %
	Other	12	8 %
Level of surgeon	Junior (R2)	68	47 %
	Senior (R3/4, Consultant)	76	53 %
Prophylactic antibiotic given	Yes	99	69 %
	No	45	31 %
	No	45	31 %
Time antibiotic given	Preoperatively	37	37 %
	Postoperatively	62	43 %
Kind of prophylactic given	Ceftriaxone	73	73 %
	Ampiciline	3	3 %
	Ceftriaxone + Metridazole	23	24 %
Type of antiseptic for skin preparation	Iodine + Alcohol	129	90 %
	Alcohol	9	6 %
	Iodine	6	4 %

Table 4: pre-operative factors associated with SSI's (past medical history) in the study participants in Zewditu Memorial hospital, 2020 Addis Ababa Ethiopia

Variable	Category	Frequency (N=144)	Percentage (%)
Past medical history	Yes	24	17%
	No	120	83%
Diseases category	Immune suppression	11	46%
	Hypertension	9	38%
	Diabetic	2	8%
	Others	2	8%

Table 5: pre-operative factors associated with SSI's (Total duration of hospital stay) in the study participants in Zewditu Memorial hospital, 2020 Addis Ababa Ethiopia

Variable	Category	Frequency (N=144)	Percentage (%)
Total duration of hospital stay	1-3 days	44	31%
	4-7 days	60	42%
	8-10 days	19	13%
	11-14 days	12	8%
	>15 days	9	6%

Table 6: Prevalence of surgical site infection of clients who had surgical site infection in Zewditu Memorial Hospital 2020, Addis Ababa, Ethiopia

Variables	Category	Frequency (N=144)	Percentage (%)
Patient develops SSI post operatively	Yes	13	9.02%
	No	131	90.98%
Classification of SSI	Superficial	6	46%
	Deep	4	31%
	Organ space	3	23%
How the infection is managed	Antibiotic and wound cleansing	11	84%
	Surgery	1	8%
	Surgery, Antibiotic and wound cleansing	1	8%