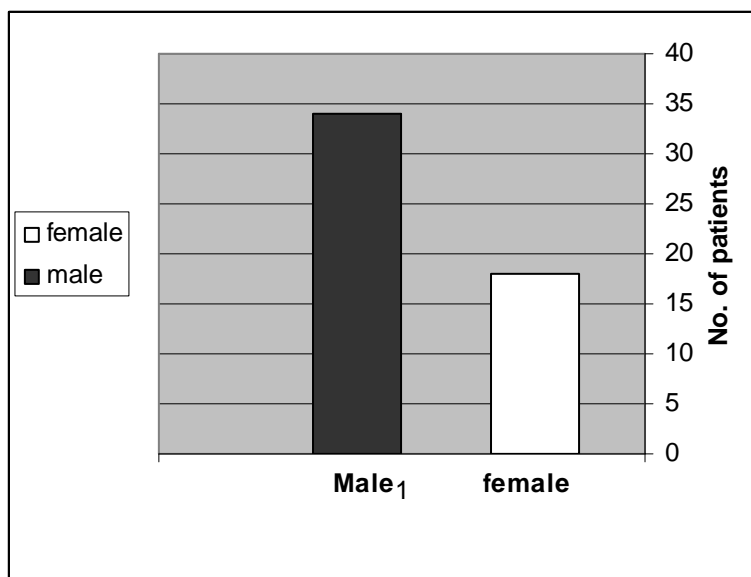


Vaccination against measles was present in 52 (10.53 %) patients, 65.38 % of them were male and 34.62 % of them were female.

Male to female ratio was 1.9:1 as it is shown in (Figure 2).



**Figure 2:vaccination status of patients in the sample.**

The most common complications of measles were pneumonia 161 (83.85 %), diarrhea and vomiting 22 (11.46

%), croup 5 (2.60 %), and encephalitis 4 (2.09 %) as it is shown in (Table 2).

**Table 2: Complications and outcome in measles patients.**

Complications	NO.	%	Improvement		Death	
			NO	%	NO.	%
Pneumonia	161	83.85	151	83.9	10	83.4
Diarrhea and vomiting	22	11.46	22	12.2	0	0
Croup	5	2.60	5	2.8	0	0
Encephalitis	4	2.09	2	1.1	2	16.6
Total	192	100	180	100	12	100

Total number of death was 12 and mortality rate was 2.43 %, pneumonia was the leading cause of death (83.4 % of death), followed by encephalitis (16.6 % of death) as it is shown in (Table 2). The mortality was

more in male 7 (58.4 % )as well as below one year 7 (58.4 % ) while in age group 1 -4 years was 4 (33.4 % ) which mean that 91.8 % of death occur bellow 5 years as shown in( Table 3 )