IV- RESULTS

Table (1) December 1982

Diagnosis	Number	
Diphtheria	2 cases + 5 carriers	3 of the carriers are contact carriers and 2 are convalescent
Meningitis	2	both are meningococcal
Whooping Cough	1	
Measles	35	
Mumps	5	
Chicken Pox	7	
Poliomyelitis	2	
Tetanus	3	2 are tetanus neonatorum
Typhoid Fever	2	
Infectious Hepatitis	15	
Sickle cell anemia	4	
Fever for investigation	8	
T O T A L	91	

Table (2) January 1983

Diagnosis	Number	
Diphtheria	1 case + 4 carriers	2 of the carriers are contact carriers and 2 are convalescent
Meningitis	3	2 are meningococcal and 1TB
Measles	42	
Mumps	2	
Chicken Pox	3	
Poliomyelitis	5	
Tetanus	2	Both are tetanus neonatorum
Infectious Hepatitis	12	
Malaria	5	
T O T A L	79	

Table (3). February 1983

Diagnosis	Number	
Diphtheria	1 case + 3 carriers	2 of the carriers are contact carriers and 1 convalescent
Meningitis	3	2 viral and 1 pneumococcal
Encephalitis	2	
Whooping Cough	1	
Measles	123	
German Measles	1	
Mumps	6	
Chicken Pox	4	
Pneumonia	5	
Bronchitis	1	
Erisepelas	1	
Poliomyelitis	5	
Typhoid	1	
Gastroenteritis	17	
Tetanus	3	All are tetanus neonatorum
Malaria	3	
Infectious Hepatitis	24	
Sickle cell anemia	9	
Fever for investigation	40	
T O T A L	253	

Table (4) March 1983

Diagnosis	Number	
Diphtheria	1 case + 7 carriers	4 of the carriers are contact and 3 are convalescent
Meningitis	4	3 pneumococcal + 1 tuberculous
Whooping cough	1	
Measles	162	
Mumps	7	
Chicken pox	5	
Pneumonia	13	
Bronchitis	4	
Pulmonary T.B.	2	
Scarlet fever	2	
Acute Laryngitis	1	
Poliomyelitis	5	
Typhoid	1	
Gastro enteritis	8	
Tetanus	3	2 are tetanus neonatorum
Malaria	17	
Infectious hepatitis	35	
Sickle cell anemia	11	
Febrile convulsions	1	
Acute allergy	1	
Fever for investigation	52	
TOTAL	343	

Table (5) April 1983

Diagnosis	Number	
Diphtheria	3 cases + 10 carriers	7 of the carriers are contact and 3 are convalescent
Meningitis	8	5 viral + 2 pneumococcal + 1 T.B.
Encephalitis	4	
Whooping cough	1	
Measles	111	
Mumps	1	
Chicken pox	3	
Pneumonia	4	
Pulmonary T.B.	1	
Poliomyelitis	1	
Gastro enteritis	7	
Tetanus	1	(tetanus neonatorum)
Malaria	11	
Infectious hepatitis	34	
Sickle cell anemia	10	
Fever for investigation	32	
Total	242	

Table (6) May 1983

Diagnosis	Number	
Diphtheria	2 cases + 8 carriers	5 of the carriers are contact and 3 are convalescent
Meningitis	4	2 viral + 1 pneumococcal + 1 meningiococcal
Encephalitis	3	
Measles	102	
German measles	1	
Mumps	6	
Chicken pox	3	
Pneumonia	4	
Poliomyelitis	1	
Gastro enteritis	2	
Tetanus	1	(Tetanus neonatorum)
Malaria	11	
Infectious hepatitis	18	
Sickle cell anemia	8	
Fever for investigation	23	
Total Number	197	

Table (7) June 1983

Diagnosis	Number	
Diphtheria	3 cases + 3 carriers	2 of the carriers are contact and 1 convalescent
Meningitis	4	3 viral + 1 pneumococcal
Encephalitis	3	
Measles	93	
German measles	1	
Mumps	4	
Chicken pox	6	
Pneumonia	1	
T.B. Lymph adenitis	1	
Poliomyelitis	2	
Gastro enteritis	2	
Tetanus	2	(one is tetanus neonatorum)
Malaria	5	
Infectious hepatitis	25	
Sickle cell anemia	8	
Fever for investigation	15	
Total Number	178	

Table (8) - Summary of the 7 previous tables

Disease	Dec	Jan	Feb	March	April	May	June	Total
Diphtheria	2+5	1+4	1+3	1+7	3+10	2+8	3+3	53
Meningitis	2	3	3	4	8	4	4	28
Encephalitis	-	-	2	-	4	3	3	12
Whooping cough	1	-	1	1	1	-	-	4
Measles	35	42	123	162	111	102	93	668
German measles	-	-	1	-	-	1	1	3
Munps	5	2	6	7	1	6	4	31
Chicken pox	7	3	4	5	3	3	6	31
Pneumonia	-	-	5	13	4	4	1	27
Bronchitis	-	-	1	4	-	-	-	5
Erisepelas	-	-	1	-	-	-	-	1
Scarlet fever	-	-	-	2	-	-	-	2
Pulmonary T.B	-	-	-	2	1	-	-	3
T.B. lymphadenitis	-	-	-	-	-	-	1	1
Acute laryngitis	-	-	-	1	-	-	-	1

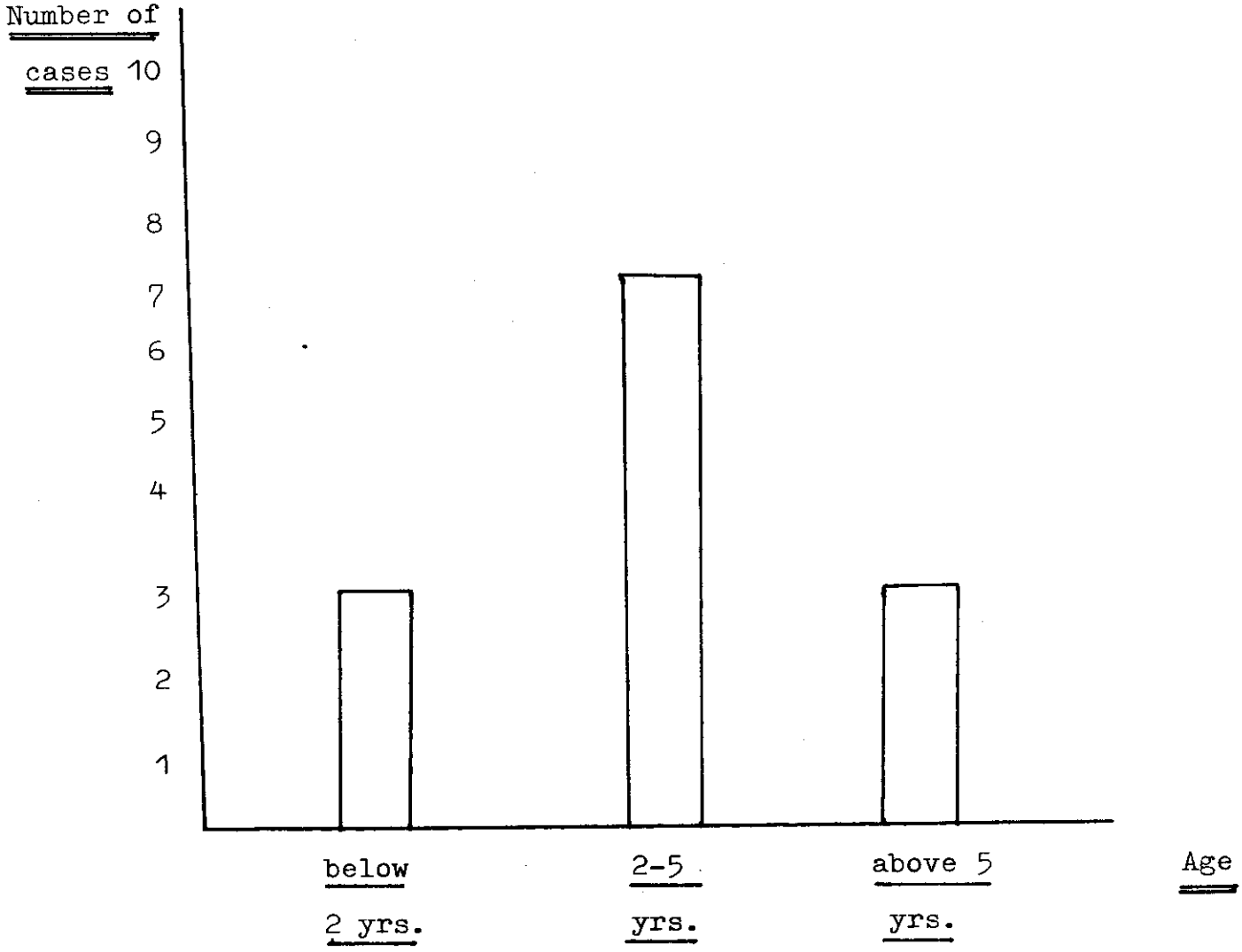
Table (8) - Cont'd

Disease	Dec	Jan	Feb	March	April	May	June	Total
Poliomyelitis	2	5	5	5	1	1	2	21
Typhoid	2	-	1	1	-	-	-	4
Gastro Enteritis	-	-	17	8	7	2	2	36
Tetanus	3	2	3	3	1	1	2	15
Malaria	-	5	3	17	11	11	5	52
Infectious hepatitis	15	12	24	35	34	18	25	163
Sickle cell anemia	4	-	9	11	10	8	8	50
Febrile convulsions	-	-	-	1	-	-	-	1
Acute Allergy	-	-	-	1	-	-	-	1
Fever for investigation	8	-	40	52	32	23	15	170
TOTAL	91	79	253	343	242	197	178	1383

Table (9)

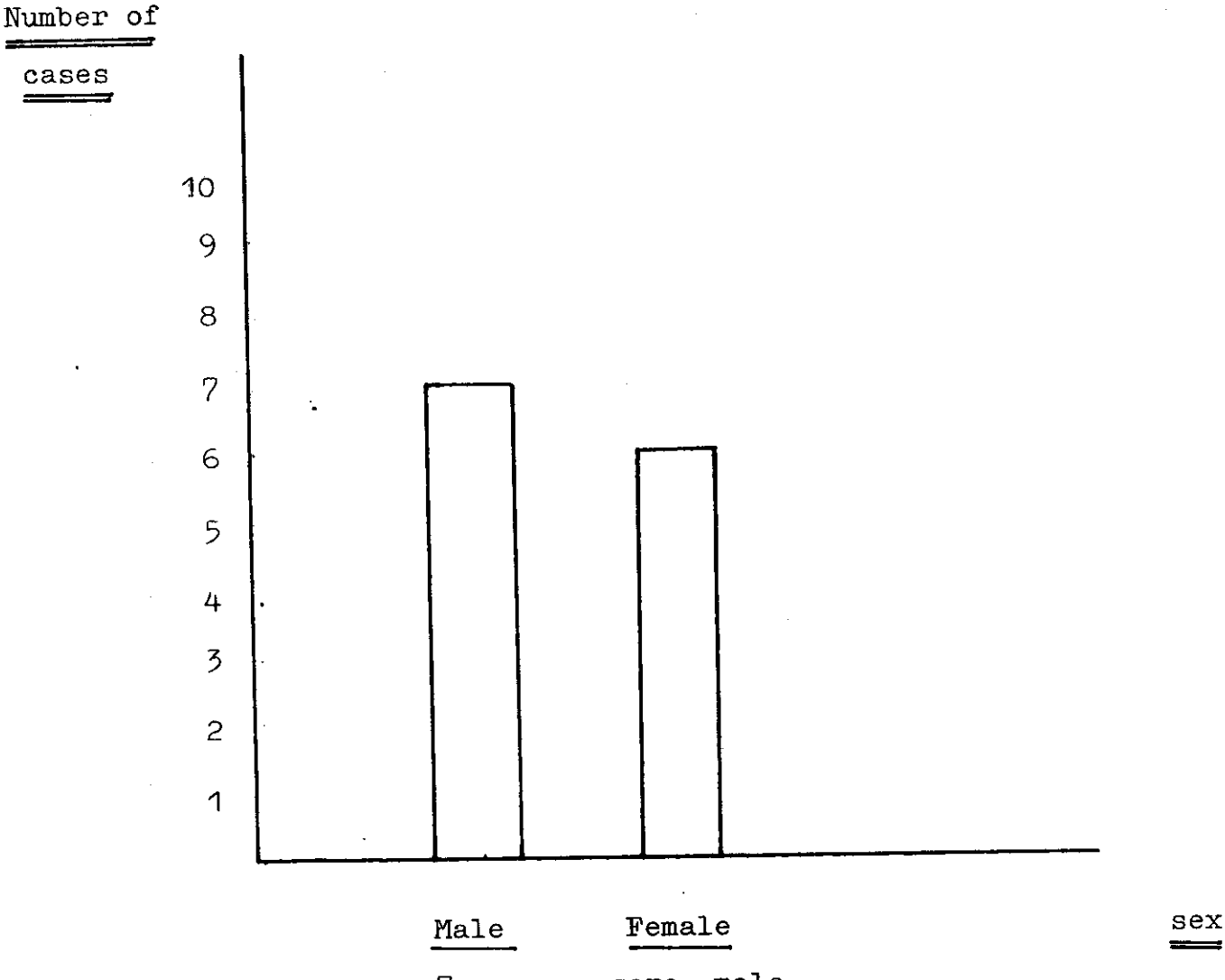
No	Age in years	Sex	Type	Immunization state	Day of admission	Prognosis	Cause of death
1	9 1/12	F	pharyngeal	not vaccinated	2nd day	death	myocard-itis
2	7	M	pharyngo-laryngeal	vaccinated	3rd day	cured	-
3	2 8/12	F	laryngeal	vaccinated	2nd day	cured	-
4	1 6/12	M	laryngeal	not vaccinated	6th day	death	Respirat-ory obstruct-ion.
5	4 6/12	F	Pharyngeal	not vaccinated	2nd day	cured	-
6	14	M	Pharyngeal	vaccinated	5th day	cured	-
7	2	M	pharyngeal	not vaccinated	2nd day	cured	-
8	2 3/12	M	pharyngeal	not vaccinated	7th day	death	myocard-itis
9	3 6/12	M	laryngeal	vaccinated	2nd day	cured	-
10	3 6/12	F	pharyngeal	vaccinated	3rd day	cured	-
11	10	F	pharyngeal	not vaccinated	6th day	death	myocardi-tis
12	10/12	F	pharyngo laryngeal	vaccinated	7th day	death	pneumonia
13	4 2/12	M	pharyngeal	vaccinated	2nd day	cured	-

Figure (1) showing age incidence of diphtheria



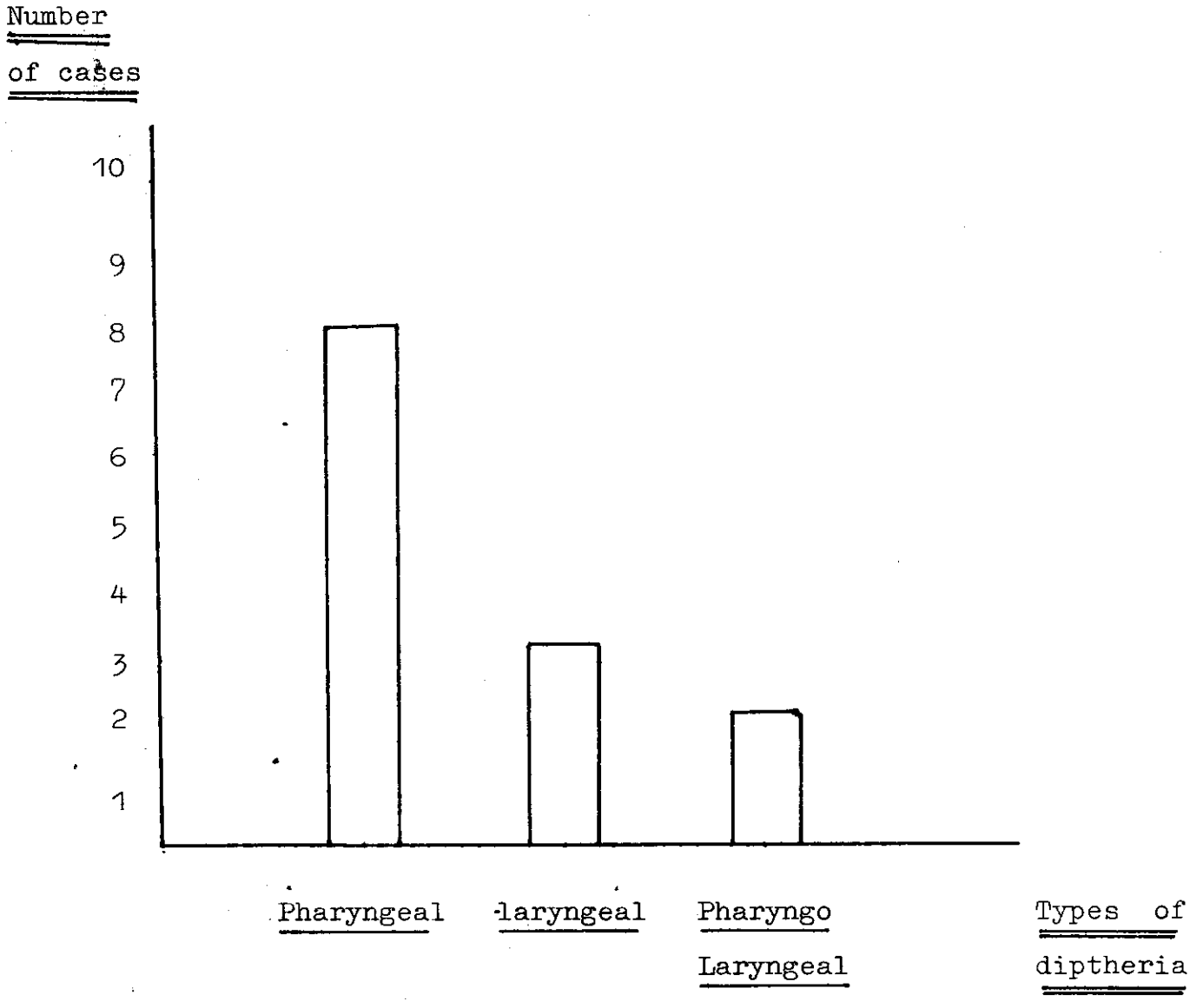
- 3 cases were below 2 years
- 7 cases were between 2 and 5 years
- and 3 cases were above 5 years

Figure (2) showing the sex incidence of diptheria



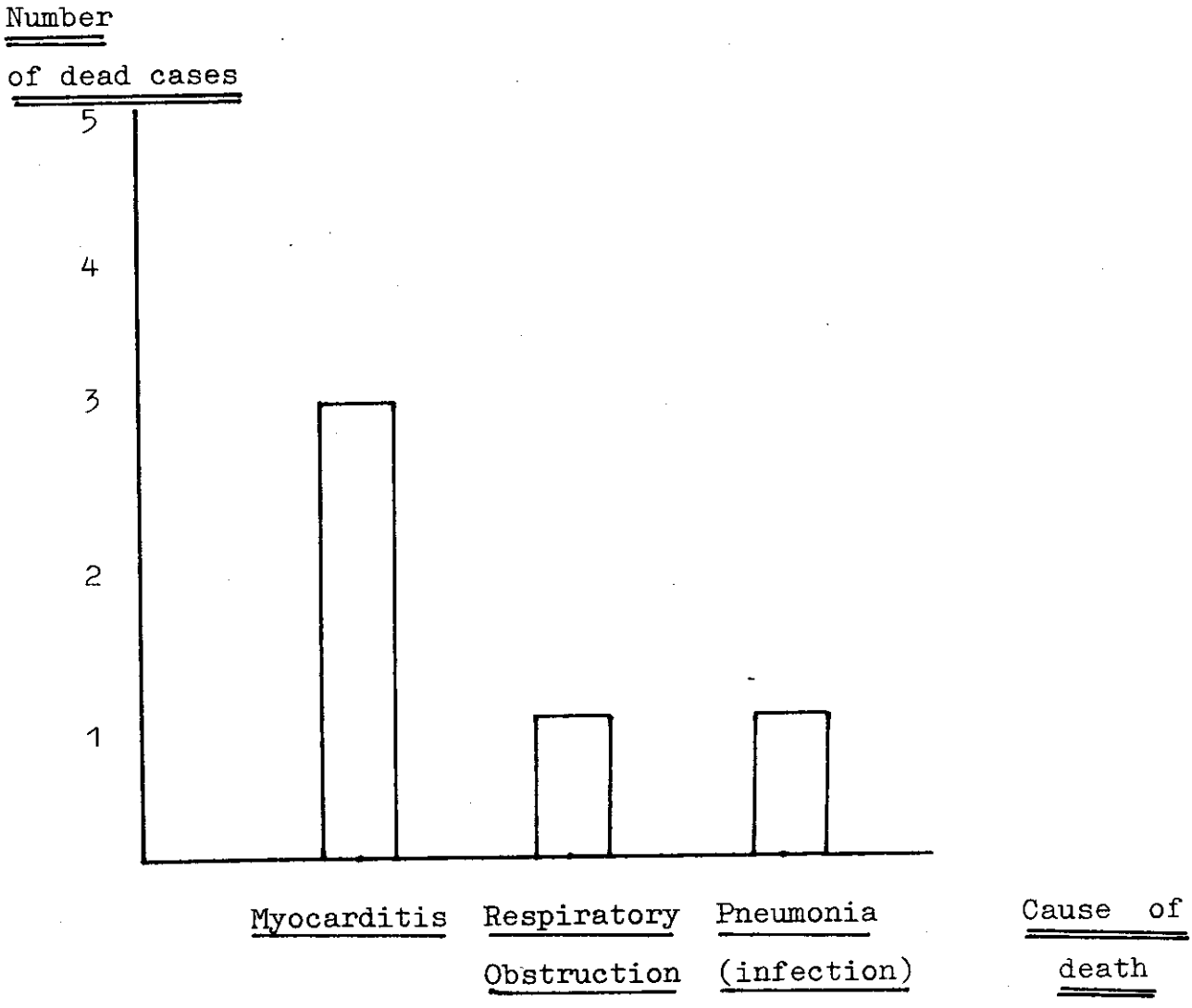
- 7 cases sere male
- and 6 cases were female

Figure (3) showing types of diphtheria



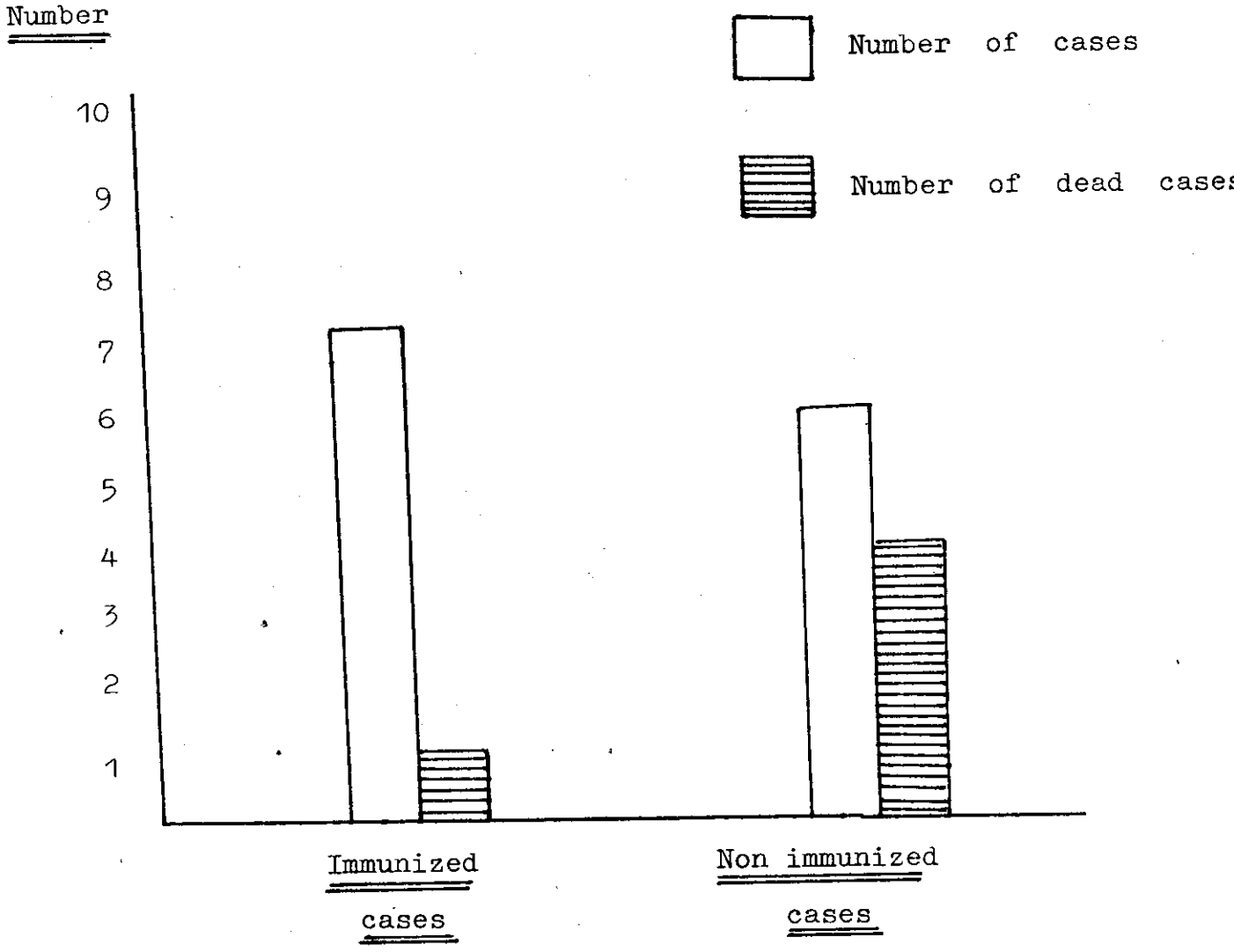
- 8 cases were Pharyngeal
- 3 cases were Laryngeal
- and 2 were pharyngo laryngeal

Figure (4) showing cause of death in diphtheria



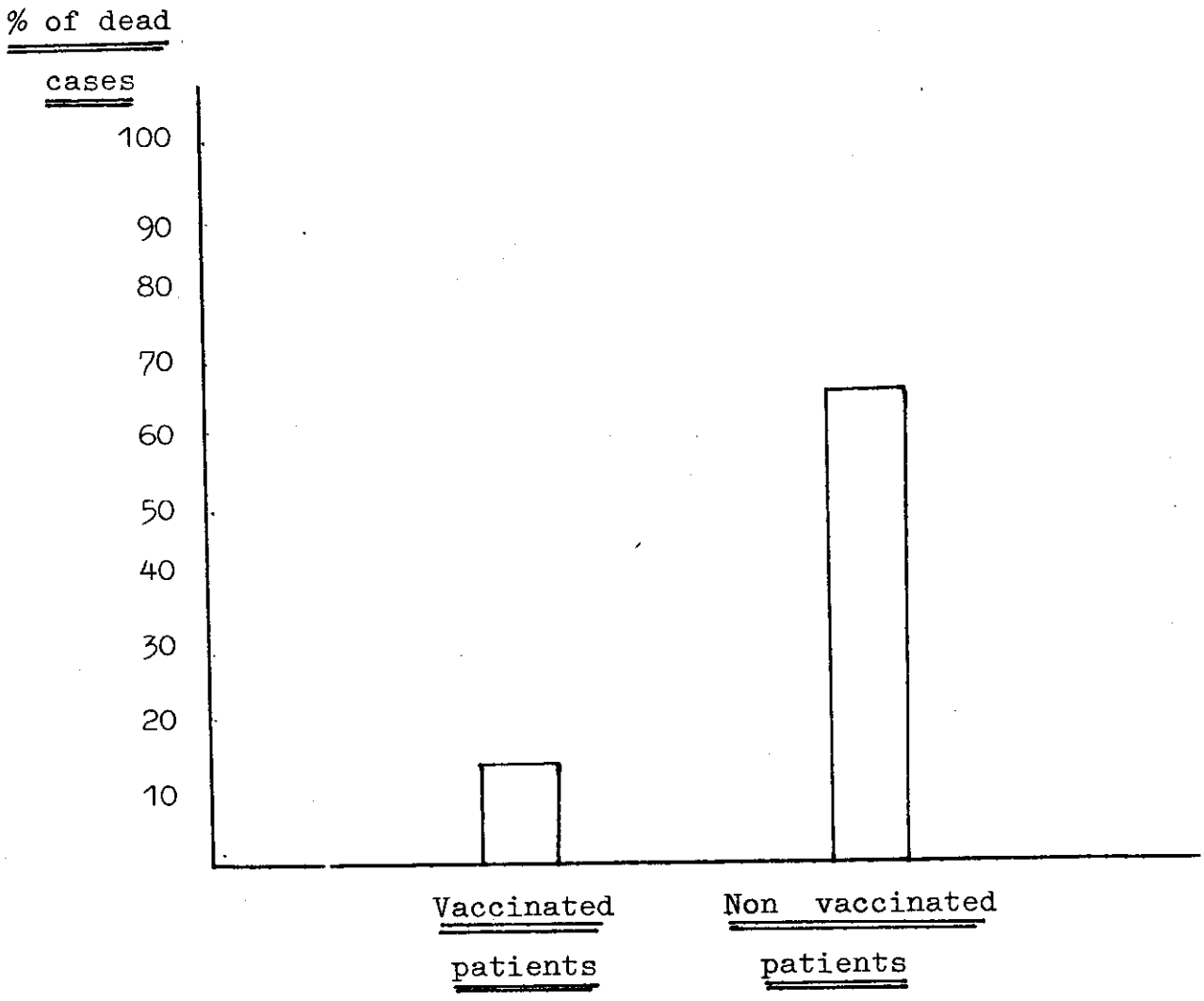
- 3 cases died from myocarditis
- 1 case died from respiratory obstruction
- and 1 case died from pneumonia

Figure (5) showing effect of immunization on death rate in diphtheria



This figure show that from 7 immunized cases one died and from 6 non immunized cases four died.

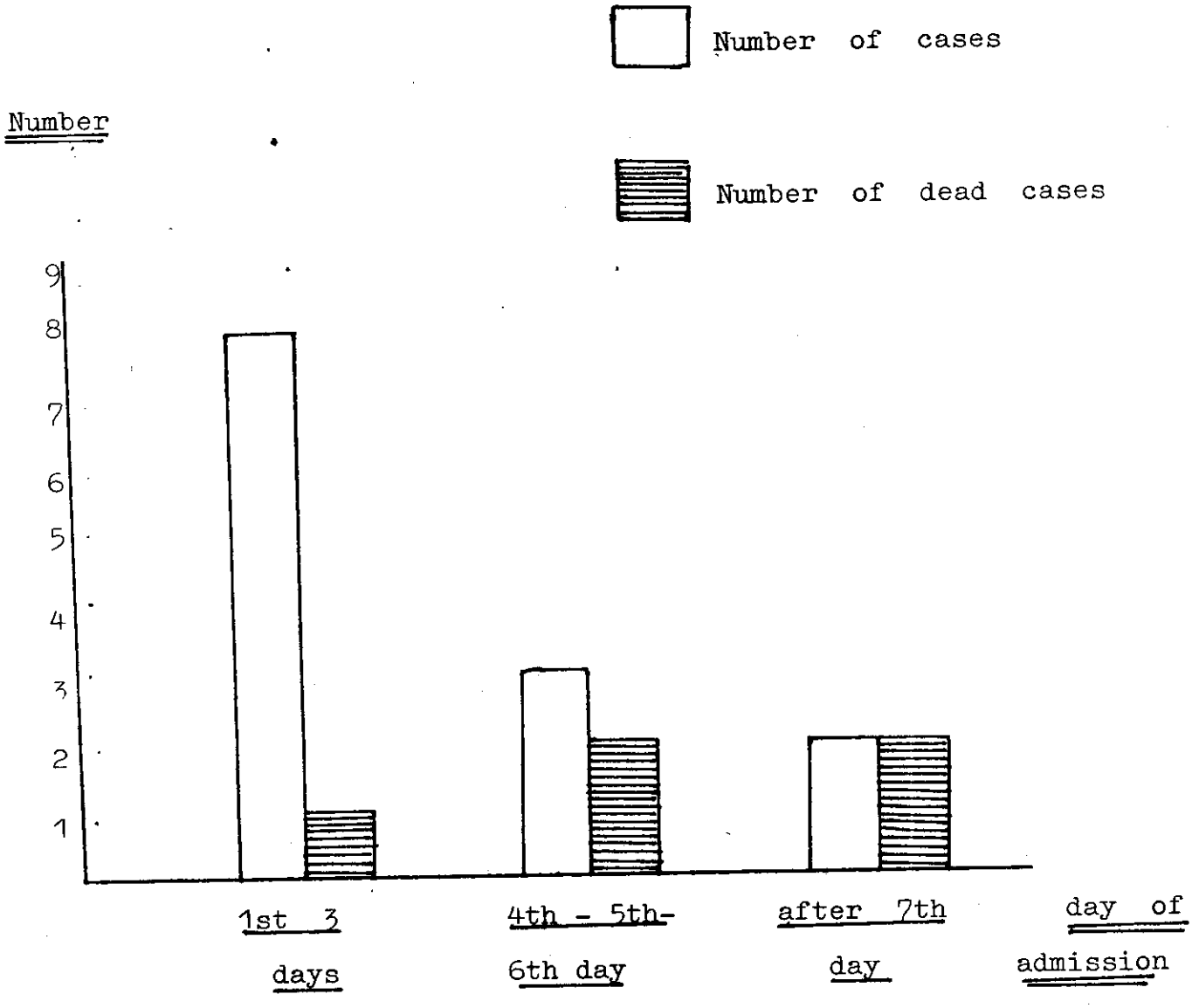
Figure 5 (B) Effect of Immunization on death rate of diphtheria



This figure sows that

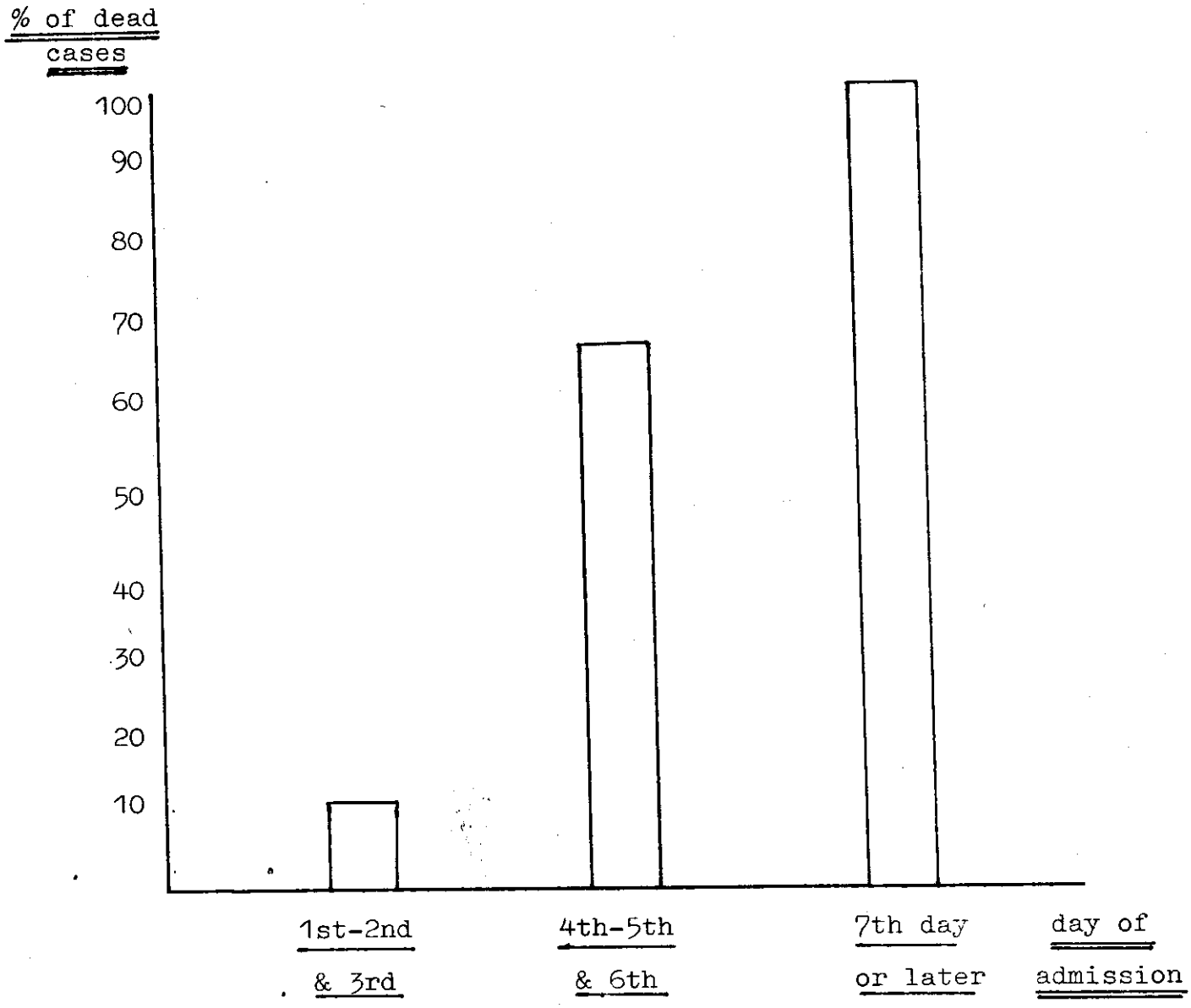
- death rate in vaccinated cases was 14.3%
- and death rate in non vaccinated cases was 66.7%

Figure (6) showing effect of date of admission of antitoxin on death rate of diphtheria



This figure shows that from 8 cases admitted on the first 3 days one died, and from 3 cases admitted on the 4th 5th & 6th day 2 died, and from 2 cases admitted on the 7th day or later 2 died.

Figure 6 (B) showing the effect of date of admission of antitoxin on death rate of diptheria



This figure shows that:

- death rate in patients admitted to the hospital during the first 3 days of illness was 12.5%
- This rate in patients admitted to the hospital during the second 3 days of illness was 66.7%
- And 100% in patients admitted on 7th day or later