

ATTACK RATE OF CHIKUNGUNYA AND PREVALENCE OF POST CHIKUNGUNYA ARTHRITIS IN AN AFFECTED POPULATION OF THIRUVANANTHUAPURAM DISTRICT 2003

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ABSTRACT

Chikungunya is a viral fever caused by a member of Toga viridae family and spread by Aede, Culex and Mansonia mosquitoes. The disease emerged in epidemic proportions in our country affecting nearly 1.25 million people in 2006. The same year the area Paraniyam PHC was among the first to be affected. The objectives of our study were:

1. To find out the attack rate of Chikungunya fever in the Kuttaninnathil ward of Paraniyam PHC
2. To find out the duration of arthralgia and describe its sex and age wise distribution
3. To find out the prevalence of Post Chikungunya Arthritis.

4. To find out the commonly affected joints in Post Chikungunya Arthritis

Following inferences were made out:

The attack rate among the population surveyed was found to be 22.4%

Majority of cases has duration of arthralgia between 2-4 months

Males were more affected than females

Number of cases that developed Post Chikungunya arthritis was found to be highest in the age group above 50 years.

Among the 252 persons affected with Chikungunya 103 developed Post Chikungunya arthritis; that is 40.9%

In post chikungunya arthritis most frequently affected joints were knee, Elbow, Ankle and Shoulder in that order.