

TABLE 73.—*Experimental field tests with sulfamerazine, Atabrine, and sulfapyrazine*

Drug	Dosage	Days of exposure	Days of drug	Number of subjects	Number of breakthroughs	Number of infections	Total malaria cases	Duration of followup	
Panama ¹									
Sulfamerazine....	0.5 gm. daily...	32	42	111	2	4 { 3 <i>vivax</i> 1 <i>falciparum</i>	6 { 5 <i>vivax</i> 1 <i>falciparum</i>	30 days.	
Atabrine.....	0.4 gm. weekly..	32	42	109	0	2 { 1 <i>vivax</i> 1 <i>falciparum</i>	2 { 1 <i>vivax</i> 1 <i>falciparum</i>		
Southwest Pacific Area ²									
Sulfamerazine....	0.5 gm. daily...	44	54	99	1	1 <i>falciparum</i>	34 { 28 <i>vivax</i> 3 <i>falciparum</i> 3 mixed	35 { 29 <i>vivax</i> 4 <i>falciparum</i> 3 mixed	57 days.
Do.....	1.0 gm. daily....	44	54	12	1	1 <i>vivax</i>			
Atabrine.....	0.6 gm. weekly..	44	54	107	0	25 <i>vivax</i>	25 <i>vivax</i>		
Southwest Pacific Area ³									
Sulfamerazine....	0.5 gm. daily...	33	30+17 on Ata- brine.	100	2	6	8 { 5 <i>vivax</i> 2 <i>falciparum</i> 1 mixed	30 days.	
Atabrine.....	0.4 gm. weekly..	33	42	114	10	23	31 { 15 <i>vivax</i> 9 <i>falciparum</i> 7 mixed		
India ⁴									
Sulfamerazine....	0.5 gm. daily...	31	39	200	14		14	4 days. Do.	
Atabrine.....	0.4 gm. weekly..	31	39	200	9		9		
West Africa ⁵									
Sulfapyrazine....	0.5 gm. daily....			140			4	-----	
Atabrine.....	0.4 gm. weekly..			140			24	-----	

¹ In the control group for the experimental field tests conducted by Col. Wesley C. Cox, MC, in Panama, 281 subjects were kept under rigid malaria control and discipline. There were four cases of malaria and all suffered breakthroughs caused by *vivax* infections. None suffered infections following suppressive treatment. Duration of followup after therapy was 30 days.

² In the field tests conducted by Col. Maurice C. Pincoffs, MC, in the Southwest Pacific Area, there were 51 subjects who had been exposed to malaria for 44 days and had received a malaria suppressive for 54 days. There were 32 cases of malaria of which 17 suffered breakthroughs. There were eight breakthroughs due to *vivax* infections, eight to *falciparum* infections, and one mixed infection. Eight suffered infections after suppressive treatment, five were *vivax* infections, two *falciparum* infections, and one mixed infection.

³ Tests conducted by Col. Earl Maxwell, MC.

⁴ Tests conducted by R. N. Chopra.

⁵ Tests conducted by Brigadier G. M. Findlay.