

SEATO MEDICAL RESEARCH STUDY ON MALARIA

Coordinators: R.S. Desowitz, Ph.D., D.Sc.
F.C. Cadigan, Jr., MAJ, MC

Principal Investigators: R.S. Desowitz, Ph.D., D.Sc.
F.C. Cadigan, Jr., MAJ, MC
Louis H. Miller, CPT, MC
Katchrinnee Pavanand, M.D.
Bernhardt W. Langer, Jr., Ph.D.
Phillip E. Winter, MAJ, MC
Pattraporn Bhanchet, M.D., D.Sc.⁷
Narong Sadudee, M.D.⁸
Douglas J. Gould, Ph.D.
Louis C. Rutledge, CPT, MSC

Associate Investigators: Chanpen Punyaraung
Elliott McClure Ph.D.
B. King
Joe T. Marshall, Jr., Ph.D.
Richard D. Buchanan, CPT, MC
Vithune Yuthasastrkosol, M.D.
Verachat Chaicumpa, DVM
Pirom Phisphumvidhi, B.S.
Sanit Puhomchareon
Richard Aurbach, CPT, MC¹
Albert Nault, CPT, MC²
M.R. Lewis, CPT, MSC³
Chulee Mittrakul, M.D., D.Sc.⁴
Supak Nueyapatimanond, M.D.⁵
Visitr Benjapongse, M.D.⁵
Natth Bhamarapravati, M.D.⁶

Assistant Investigators: Barnyen Permpnich
MSG Yael Friedlander
Duangduen Vacharapharn
SFC Harvey Gibson
Sahem Esah

Period of Report: 1 April 1966-31 March 1967

- 1 Preventive Medicine Officer, 9th Logistical Command (B)
- 2 Surgeon, 538th Engineer Bn.
- 3 Preventive Med Officer, 538th Engineer Bn.
- 4 Department of Pediatrics, Chulalongkorn Hospital, Bangkok
- 5 Physician, Phrabuddhabat Hospital, Saraburi, Thailand
- 6 Assistant Professor, Pathology Department, Siriraj Medical School, Dhonburi, Thailand
- 7 Department of Pediatrics, Siriraj Hospital, Dhonburi, Thailand
- 8 Director, Phrabuddhabat Hospital, Saraburi, Thailand

General Information—Malaria

Malaria prevalence surveys. In response to specific requests in support of efforts of other departments malaria prevalence surveys were done in provinces of Thailand. In all case thick and thin blood films were examined after Giemsa staining. Due to differences in season of survey and in age distribution of population samples direct comparisons are not valid. In some cases pooling of data by province has obscured variations in point prevalence. These data are presented as being of general interest. Specific reference to these surveys may be encountered in reports of other departments.

Table 1. Prevalence surveys for malaria in Thailand, by month, province and parasite species April 1966—March 1967

Month	Province	Number Surveyed	Parasitemias					
			P. falciparum		P. vivax		P. malariae	
			No.	Rate (%)	No.	Rate (%)	No.	Rate (%)
Apr 66	Pathum Thani	433	1	0.2	12	2.7	—	—
May 66	Lamphoon	462	5	1.1	—	—	—	—
	Chiengmai	67	—	—	—	—	—	—
June 66	Yala	1167	108	9.3	21	1.8	—	—
	Satul	612	12	2.0	4	0.7	—	—
	Songkla	171	40	23.4	13	7.6	1	0.6
July 66	Pathum Thani	285	1	0.4	3	1.1	—	—
	Korat	410	38	9.3	27	6.6	—	—
Aug 66	Korat	72	39	54.2	19	26.4	—	—
Sept 66	Korat	103	42	40.7	25	24.3	—	—
	Ubol	241	39	16.2	16	6.6	—	—
Oct 66	Udorn	221	24	10.8	7	3.2	—	—
Nov 66	Cholburi	146	7	4.8	2	1.4	—	—
	Ayudhya	278	7	2.5	4	1.4	—	—
Dec 66	Kanchanaburi	374	16	4.3	4	1.1	1	0.3
Jan 67	Samut Songkram	166	—	—	—	—	—	—
	PathumThani	2.5	—	—	3	1.4	—	—
Feb 67	Pathum Thani	871	—	—	12	1.4	—	—
	Ayudhya	738	—	—	1	0.1	—	—
Mar 67	Nonthaburi	269	—	—	—	—	—	—