

HEALTH ATTITUDES QUESTIONNAIRE

~~*

*

Health Knowledge Interview

-:0:-

1) Name 3 most common diseases in this village.

- a.
- b.
- c.

1.1 What do you think causes these diseases ?

- a.
- b.
- c.

1.2 What is done when someone in your house gets these diseases ?

- a.
- b.
- c.

1.3 Do you know of any way to prevent these diseases ?

- a.
- b.
- c.

2) What would you do for the following conditions that might occur in your household ?

2.1 Bad toothache

2.2 Serious fever

2.3 Severe stomach pain

2.4 Watery stool

2.5 Severe cut with bleeding

2.6 Leprosy

2.7 Person is struck by lightning and stops breathing

2.8 Severe chronic cough

- 3) How many days of illness did you have during the past 90 days ?
(unable to leave house or carry out routine functions).

- 4) In general are certain foods and meats better for us than others ?
 - 4.1 Which foods and meats are better ?
 - 4.2 Which foods and meats are harmful ?
 - 4.3 Is there good and bad water for drinking ?
 - 4.4 What is the difference ?

- 5) What causes a woman to be pregnant ?
 - 5.1 Must a woman take any special precautions, foods or medicine during pregnancy ?
 - 5.2 Can one determine sex of fetus before birth ? How ?
 - 5.3 Who generally assists the women of your household during birth?
 - 5.4 What is the significance of multiple births ? (e.g. twins)
 - 5.5 What is the significance of birth defects ?
(e.g. monsters, extra limbs, missing limbs.)
 - 5.6 Must a woman take any special precautions, medicines, foods etc. for a period following delivery ?

EV/kv
12.2.63

F I N D I N G S

-:o:-

P A R T III

-*-*-

*

STUDY SAMPLE

A total of 340 subjects of all ages were examined. Of these, 326 were villagers living in Boun Khan. The exact age was not obtained from 6 adults who were also not properly examined :

- Nos. : 61, 153, 196, 321, 323, 326.

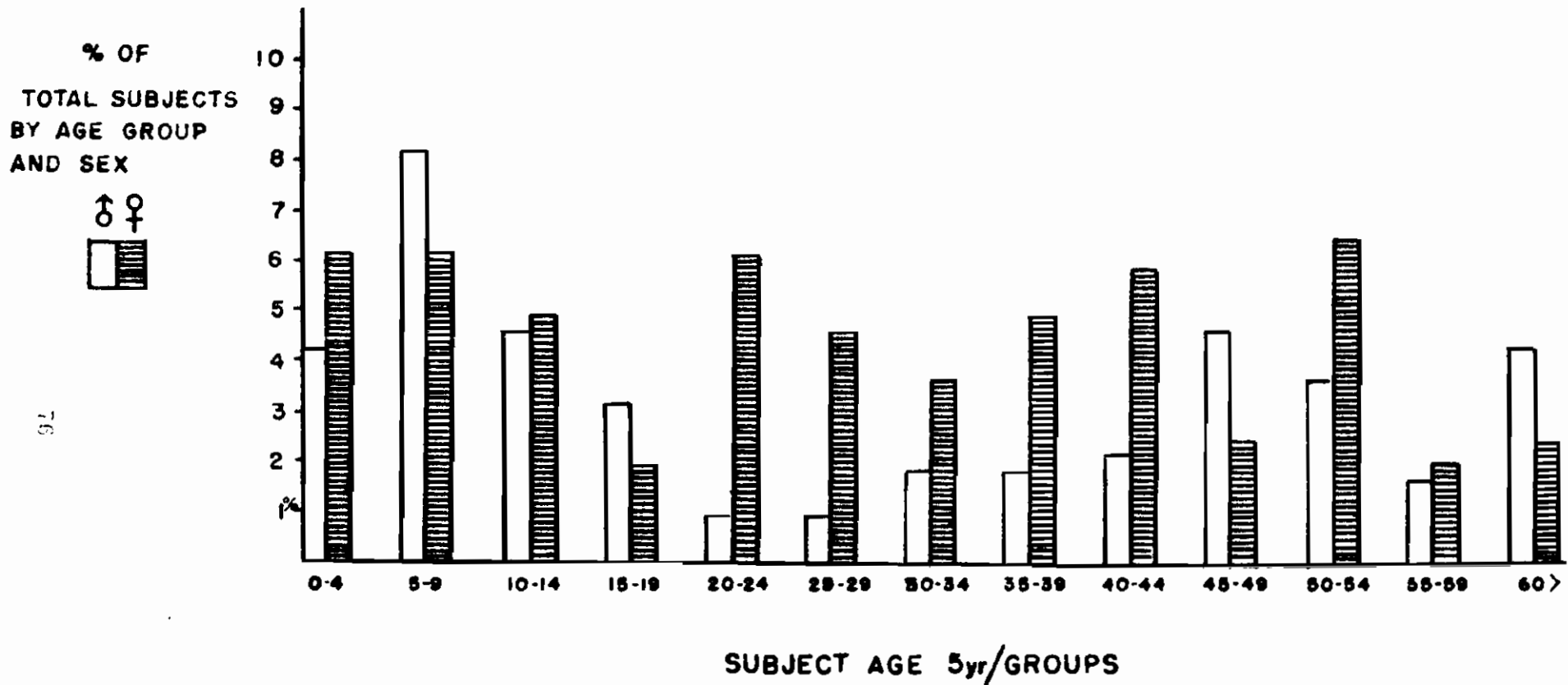
Numbers 327 to 336 inclusive were American military assigned to Phu Bon. Numbers 337 to 340 were 4 Vietnamese mess hall personnel.

Characteristics of sex, numbers and percentages of various age groups in total study sample - Phu Bon Project II are listed in following table.

Age Group	Sex	Number	% Age Group	% total number examined	Total number of Age Group
0 - 4	M	14	41.17	4.30	34
	F	20	58.83	6.14	
5 - 9	M	27	57.44	8.30	47
	F	20	42.56	6.14	
10 - 14	M	15	48.39	4.60	31
	F	16	51.61	4.90	
15 - 19	M	10	62.5	3.06	16
	F	6	37.5	1.80	
20 - 24	M	3	13.05	0.92	23
	F	20	86.95	6.14	
25 - 29	M	3	16.67	0.92	18
	F	15	83.33	4.60	
30 - 34	M	5	33.33	1.54	15
	F	10	66.67	3.06	
35 - 39	M	5	23.81	1.54	21
	F	16	76.19	4.90	
40 - 44	M	7	26.92	2.16	26
	F	19	73.08	5.83	
45 - 49	M	15	65.22	4.60	23
	F	8	34.78	2.45	
50 - 54	M	12	36.36	3.70	33
	F	21	63.64	6.45	
55 - 59	M	5	45.46	1.54	11
	F	6	54.54	1.82	
60 →	M	14	63.63	4.30	22
	F	8	36.36	2.45	
Unk.	M	3	50.00	0.92	6
	F	3	50.00	0.92	
TOTAL:	M	138		42.40	326
	F	188		57.60	

% AGE AND SEX DISTRIBUTION OF ALL DJARAI EXAMINED (326)

PHU BON PROJET II



Following is listing of all subjects examined by age groups indicating code number, sex, age, height, weight, blood pressure and hematocrit.

0 - 4 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
5	F	1	69cm	6 kg		36
8	F	2	87	10.3		38
15	F	3	44.5	15.5		42
24	M	3	84	11.5		48
31	M	3	81	10		37
58	M	3	86	12		33
83	F	2	77	9.2		41
96	M	3	81	10.3		37
103	F	4	89	12		40
108	M	3	88	13		38
126	M	2	67	6.5		40
128	F	1	66.4	6.8		39
134	M	3	84	10.5		40
144	M	2		not examined		--
165	F	1		not examined		32
167	M	3	90	11		33
180	M	3	85	11.9		--
187	F	3	83	13.1		--
183	F	3	85	10.1		--
202	F	2		not examined		--
205	M	1		not examined		--
219	M	1	85	6.7		--
223	F	4		not examined		43
232	F	4		not examined		--
234	F	1	60	7.2		48
240	F	3	83	9.9		--
245	F	1	66	6.4		42
250	F	3	79	10		38
252	M	1	72	8.5		41
259	F	3	77	8.5		35
295	F	3	86	9.6		42
305	F	2	78	8		34
307	M	4	111	17.5		51
317	F	4	85	11		45

5 - 9 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
1	F	6	98cm	12.6kg		40
11	M	5	101	14.4		42
13	M	7	--	--		44
23	F	5	102	15		37
29	M	5	106	15.5		39
30	M	5	91	13.5		37
35	F	9	108	17.5		43
39	M	9	114	20.8		39
40	F	8	95	13.2		42
50	M	5	91	12.7		39
55	F	8	112	17.5		41
64	F	9	108	17.6		39
65	M	6	116	21.6		36
66	M	5	85	14.4		33
80	F	7	104	14.6		42
82	M	5	97	14.2		38
86	M	5	92	12.9		38
89	F	7	102	15.7		42
95	M	7	111	18.7		39
102	F	8	107	15.0		38
107	F	6	104	15.0		34
147	F	5	102	18.5		41
156	M	9	156	39.5		40
157	F	7	107	17.2		--
161	F	5	86	13.5		36
166	M	6	104	15		28
171	F	5	100	14.2		42
174	F	5	94	13.5		41
178	F	8	100.07	16.2		--
188	M	9	not	examined		--
192	M	6	106	15		--
200	M	5	99	13.4		--
201	M	6	113	12.9		--
212	M	6	99	13.9		41
218	M	8	117	19.7		45
227	M	9	117	20		38
251	M	8	107	16.2		39
260	F	7	108	17		45
261	M	9	115	20		42
265	M	5	107	14.6		38
271	F	5	103	13.7		39
282	F	6	106	16		39
284	M	9	unable to walk			10
293	M	8	112	17.8		--
299	F	6	115	16		--
301	M	5	88	11		41
318	M	7	117	19.1		41

10 - 14 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
27	F	13	151	39	130/90	43
44	M	10	134.5	27.5		42
49	F	13	148	32.3	130/100	43
53	F	10	118	21		35
73	M	14	146	33.1	125/65	42
79	F	12	134	24.9	112/74	45
90	F	10	120	20.8		45
94	F	14	126	25.4	130/80	43
101	F	12	143.5	33.8	124/78	43
111	M	11	107	17.8		40
115	F	13	125	21.7		41
117	M	14	141.5	30.6	100/84	42
119	M	13	127	23.2		44
123	M	14	107	16		39
142	M	10	141.2	31.1		39
160	F	13	120	20.5		42
164	M	14	116	18.5		35
170	M	14	137	31.5		47
177	F	10	132	26.5		
186	M	10	116	20.3		
199	F	12	125	23.5		
246	M	14	142	32.2		34
247	F	13	135	30.5		47
255	F	13	118	18.6		39
258	M	14	145	34.2		32
264	M	10	135	23.7		35
269	F	14	143	41.4	110/80	37
275	M	12	120	22		36
287	F	12	132	28.5		35
303	M	11	124	22		39
319	F	14	148	35.5	114/86	40

15 - 19 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
14	F	15	139	28.8	116/78	45
70	M	16	157	48.77	115/75	36
114	M	19	161	44.7	114/72	45
122	M	18	162.3	43.5	110/90	42
137	M	18	146	35.5	80/64	42
185	M	15	156	40		--
191	M	16	151	36.2		--
216	M	18	145.5	36.4	90/54	43
224	F	17	141	38.9	120/80	39
233	M	15	152.8	34.5		38
270	M	16	145	30		41
283	M	15	156	40		45
290	F	19	145	42	96/76	--
304	F	16	150	40.4	100/72	40
310	F	16	144	43.7	140/94	35
313	F	17	151	40.4	104/60	38

20 - 24 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
19	F	21	145	43.8	118/81	44
21	M	23	164	54	100/70	41
25	F	20	149	45.5	110/80	45
28	F	24	148	43	100/90	--
37	F	23	142.75	46.2	100/66	37
48	F	21	148	45.5	130/90	43
60	F	21	147.5	37.6	110/70	42
62	F	23	152	53	110/70	41
77	F	22	152	48.4	114/84	42
136	F	21	150.5	43.5	118/80	50
141	F	23	147	42.4	132/80	40
159	F	21	142	48	130/82	41
217	M	21	155	47.5	100/60	48
236	F	23	144.5	39.8	120/80	42
238	F	24	156.8	48		44
243	F	21	151.2	46		41
244	F	21	148	44.9	120/76	39
268	F	21	148	44	116/60	40
280	F	21	158	54.2	128/82	30
281	F	24	149	52.4	130/92	44
288	F	21	151	47.4	128/60	37
289	M	20	149	42.4	130/92	46
300	F	24	154	46.3	114/84	40

25 - 29 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
3	F	25	147	42.5	117/74	45
22	F	27	149	48	110/80	48
71	F	25	148	47	110/65	45
76	M	25	151.5	48.5	140/86	49
106	F	27	151	46.9	108/68	31
145	M	28	156.5	50	130/90	41
146	F	28	150	41	140/90	46
158	F	29	149	47.2	130/78	39
169	F	29	148	36	110/65	41
173	F	29	157	46.5	130/80	46
179	F	25	150.5	43.1	140/90	--
206	F	29	153	39.5	120/70	--
213	F	25	148.5	45.4	104/70	40
221	F	28	146	36.5	120/60	38
231	F	26	153.3	51.2	130/78	34
241	F	26	151	49.5	110/74	31
312	M	25	145	40	140/82	41
325	F	25	151	40.4	113/66	45

30 - 34 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
1	M	33	153	53	120/90	49
32	M	33	163	51	140/90	51
36	F	33	139.5	43.2	136/78	38
43	F	33	154.5	52.6	120/80	39
51	M	33	162	50	140/70	47
52	F	32	146	39	120/80	39
54	F	30	158	53	120/70	--
57	F	32	144	40.6	150/75	--
100	F	31	152	46	138/76	40
118	F	33	153	43.8	146/90	40
172	M	34	170	62.5	120/74	39
183	F	34	152	48.4	130/72	--
198	F	34	150	39.9	110/80	--
211	M	34	162	54.9	100/70	40
257	F	34	156.2	56.5	95/80	42

35 - 39 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
7	F	36	164	46.6	100/48	--
10	F	39	147.75	37	108/70	--
81	F	35	153.5	49.6	120/94	41
87	F	35	139	38.3	124/78	40
91	F	37	148.5	36.1	124/70	41
130	F	37	149.2	45	118/72	41
139	M	38	156.2	43.6	121/80	41
143	F	39	152	61.5 ♂ baby		45
155	F	36	150	52.6	126/70	39
168	M	38	161	51.5	110/65	38
184	F	39	144	48.9	90/68	--
190	F	38	144	43	150/76	--
197	F	37	146	39.5	140/78	--
210	F	35	144	33.2	120/100	--
235	F	39	148.5	42.6	138/70	37
248	M	35	164.1	63.5	145/80	44
249	F	37	149	39.9	115/82	37
256	M	38	153	42	112/78	45
263	F	35	149	40.5	110/70	36
273	M	35	157	45.9	112/84	39
294	F	35	151	42.8	106/84	44

40 - 44 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
6	M	43	163.5	58.25		46
16	M	41	159	48.4	126/80	46
26	F	43	149	41	120/85	36
33	M	41	162	53	110/90	43
34	F	43	151	48	110/70	37
42	F	43	150	45.9	132/90	38
67	F	43	148.7	45.6	110/85	43
97	F	43	150	50.5	156/90	42
105	M	44	161.5	53.5	118/70	47
125	F	40	147	41	140/80	42
127	F	41	153	43.4	160/80	37
133	F	40	155	45	110/78	37
151	F	40	144	46.7	146/86	49
163	F	44	147	41	110/76	40
176	F	43	153.3	44.5	110/78	--
195	M	43	161.5	48.8	106/70	--
204	F	43	154.6	33.4	100/70	--
208	M	42	160.2	55.8	110/90	--
209	F	44	147.2	44.3	110/90	--
215	F	43	149.7	43.7	100/74	--
226	F	43	153	53.5	110/76	47
262	M	43	158	47.6	140/78	43
267	F	44	147	43.8	100/68	42
279	F	43	146	49.4	112/78	35
298	F	43	150	41.4	114/76	36
315	F	43	151	46.5	110/66	40

45 - 49 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
12	M	47	154	38.2	122/74	44
63	M	48	144.6	49.3	130/80 $\frac{1}{2}$	42
72	M	47	154.1	48	100/70	35
74	F	48	144.1	35.2	120/75	43
84	M	45	162.5	48.3	150/94	45
88	M	47	162	61	110/80	45
98	M	47	149	42	118/78	45
99	F	47	157	44	146/106	42
120	M	45	159.5	49.5	132/80	41
129	M	49	162	55.6	124/78	45
132	F	48	155.2	45	128/76	42
182	M	46	167	62.5		--
189	M	49	161	46.6	128/76	--
207	M	47	155.5	46.8	150/70	--
225	F	47	156	45	120/58	35
229	M	48	159.5	48.4	120/80	--
230	F	46	148	47	100/80	--
272	M	49	170	52	140/80	41
276	F	46	147	39.2	130/90	37
285	F	48	151	38	118/78	39
297	M	48	159	46.6	130/82	41
306	F	48	142	41.6	154/92	44
322	M	45	161	48.5	110/70	48

50 - 54 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
18	F	52	149.5	37.7	150/80	42
20	F	53	140	36	90/60	36
46	F	53	150	40	150/90	--
47	M	52	163	51.5	150/90	41
59	F	54	145.5	42	150/75	42
68	M	52	164	52.8	115/70	44
69	F	50	148	33.40	115/100	32
93	F	51	149	49.5	150/98	44
110	F	53	153.5	53.9	144/90	40
112	M	53	163.7	50.1	130/86	44
113	F	51	145.5	37.7	140/100	39
116	F	53	149	42	140/90	46
121	F	51	167.4	58.6	132/90	39
124	F	53	148	46.2	152/82	34
131	M	53	161	51.2	128/76	38
138	F	51	148.5	38.6	122/74	40
140	F	54	145.5	43	160/92	39
150	M	54	143.6	47.6	140/80	34
151	F	53	148	45	158/80	40
162	M	52	163	51	110/70	38
175	M	53	157.2	50.6	115/85	--
194	M	53	154.6	44.9	110/70	--
214	M	52	154.5	47.4	120/60	49
242	F	52	154.5	50.5	122/80	40
254	F	53	153.2	38.4	190/90	40
274	F	51	147	38.9	160/92	37
276	F	51	149	47.5	150/104	40
292	F	54	146	38.6	160/102	43
295	M	53	158	53	150/90	38
302	F	52	150	41	120/78	42
314	M	53	160	56	128/70	40
316	F	53	149	45.2	114/84	36
320	M	53	160	52.7	120/82	49

55 - 59 years

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
38	F	57	142.5	39.7	118/68	45
56	M	58	149	53.5	170/90	47
75	F	58	149.1	31.9	124/72	39
85	F	58	144	42.6	134/78	39
92	M	56	168	57.9	150/98	43
149	F	56	144.5	39.4	118/70	43
181	F	58	151.2	36.7	170/110	--
239	M	55	157.3	45.4	120/70	38
277	M	55	168	53.4	140/96	40
291	M	58	161	51.4	118/78	37
324	F	57	145	39.5	130/80	40

60 years - over

<u>Code No.</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>...</u>	<u>Hematocrit</u>
2	F	63	142	30	160/86	44
9	M	63	159.5	15.5	150/82	--
17	M	63	151	44	170/70	38
41	M	62	154.7	51	102/74	40
45	F	63	154	44	160/100	46
78	F	63	148	35.9	220/104	41
104	M	63	157.5	40	120/76	39
109	F	63	150	46	172/94	40
135	M	63	159	50	92/66	45
148	M	62	157	61.8	180/100	50
152	M	63	--	--	128/72	36
203	M	73	161	52	100/70	--
220	M	63	161	47.7	100/60	--
222	F	63	153	1.8	160/96	40
228	M	83	148	42.5	160/90	35
237	F	62	152.5	46.1	110/70	37
253	M	83	167.5	55.1	118/70	41
266	M	63	154	46.6	110/78	54
286	M	63	152	44	152/92	42
308	M	63	158	47.6	194/94	47
309	F	63	139	33	185/86	37
311	F	73	139	35.6	124/74	40

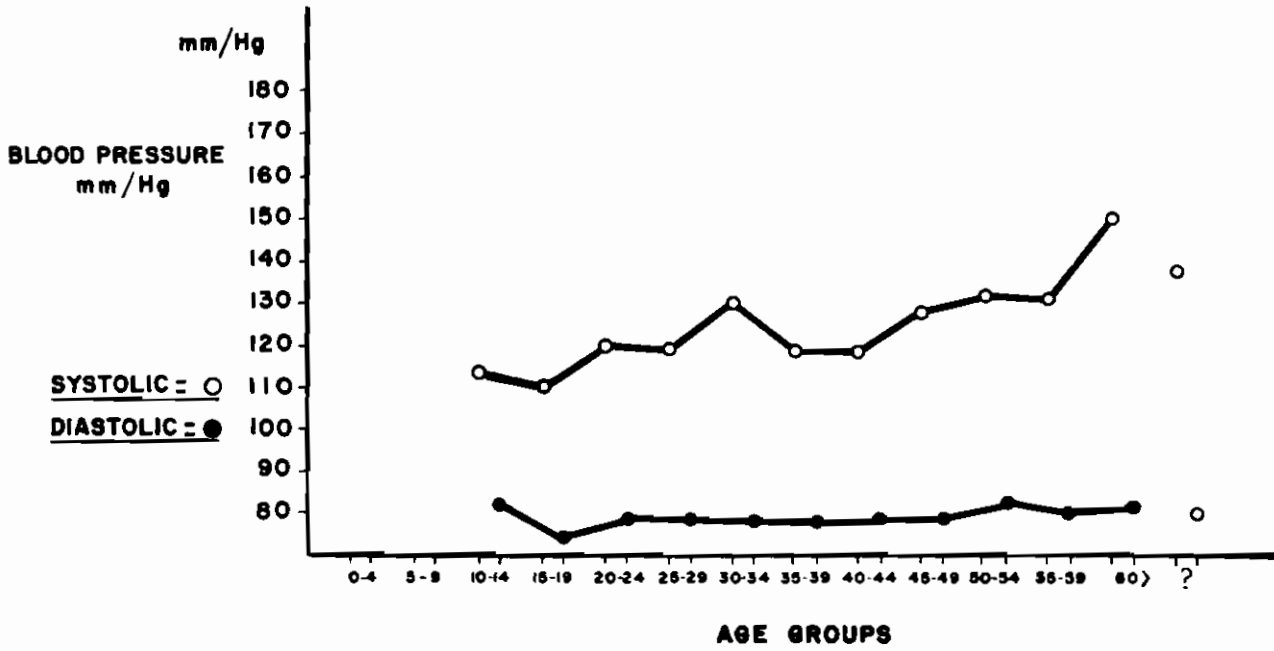
Miscellaneous

<u>Code No</u>	<u>Sex</u>	<u>Age</u>	<u>Height</u>	<u>Weight</u>	<u>B.P.</u>	<u>Hematocrit</u>
18	F	58	149.5	37.7	150/80	42
61	M	?	147	49	140/70	--
153	M	?	120	22	--	37
196	F	?	?	?	?	?
321	F	?	144	40.6	138/82	43
323	M	?	164	49.5	120/80	38
326	F	?	145	47.4	110/70	39

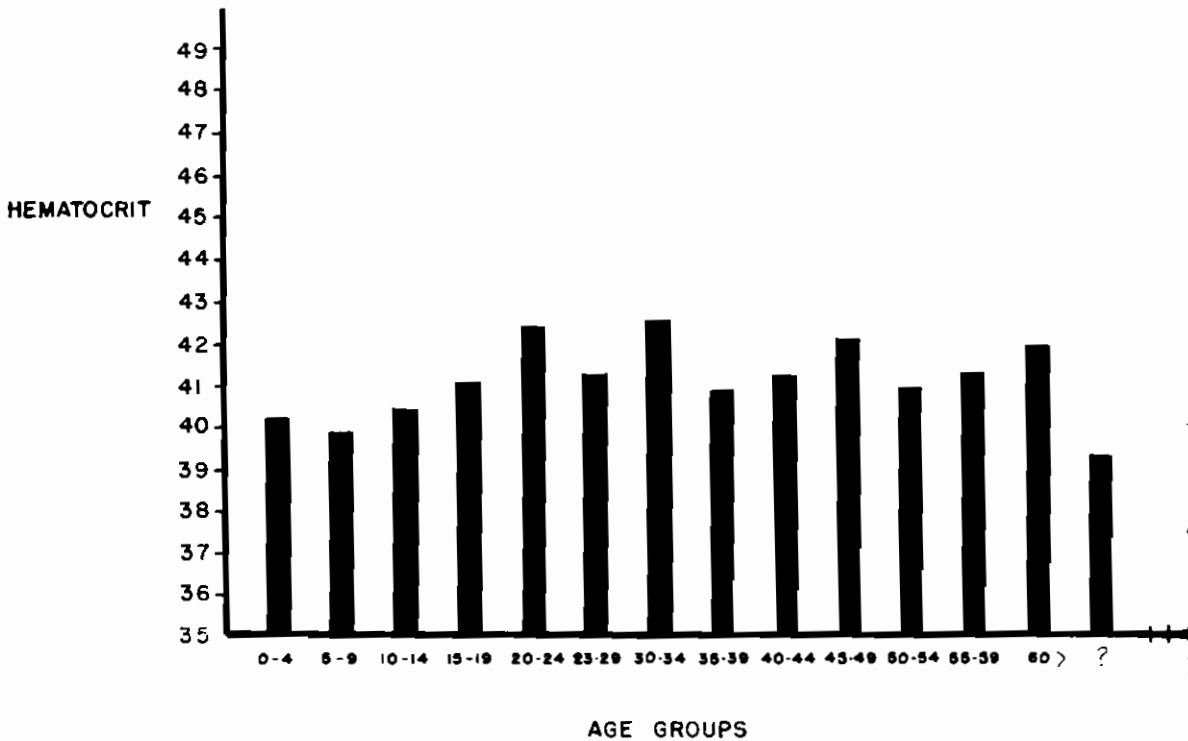
Means of Height, Weight, Blood Pressure and Hematocrit of all
Djarai examined, Phu Bon Project II by age group.

AGE GROUP	HEIGHT	WEIGHT	BLOOD PRESSURE	HEMATOCRIT
0 - 4	80.03	10.31		40.23
5 - 9	104.67	15.91		39.92
10 - 14	133.53	26.76	114.51	40.45
			82.28	
15 - 19	150.45	39.32	110.23	41.10
			74.23	
20 - 24	150.52	46.52	120.19	42.41
			79.43	
25 - 29	150.51	44.62	119.61	41.32
			78.40	
30 - 34	155.21	49.89	131.48	42.05
			77.61	
35 - 39	150.57	44.29	118.85	40.82
			77.55	
40 - 44	152.95	46.72	117.35	41.25
			79.91	
45 - 49	154.17	46.52	127.68	42.05
			79.50	
50 - 54	152.89	45.99	132.83	40.89
			83.92	
55 - 59	150.59	44.05	131.31	41.35
			80.23	
60 →	154.10	43.72	150.41	41.91
			82.32	
Unk.	146.65	41.55	138.95	39.35
			80.55	

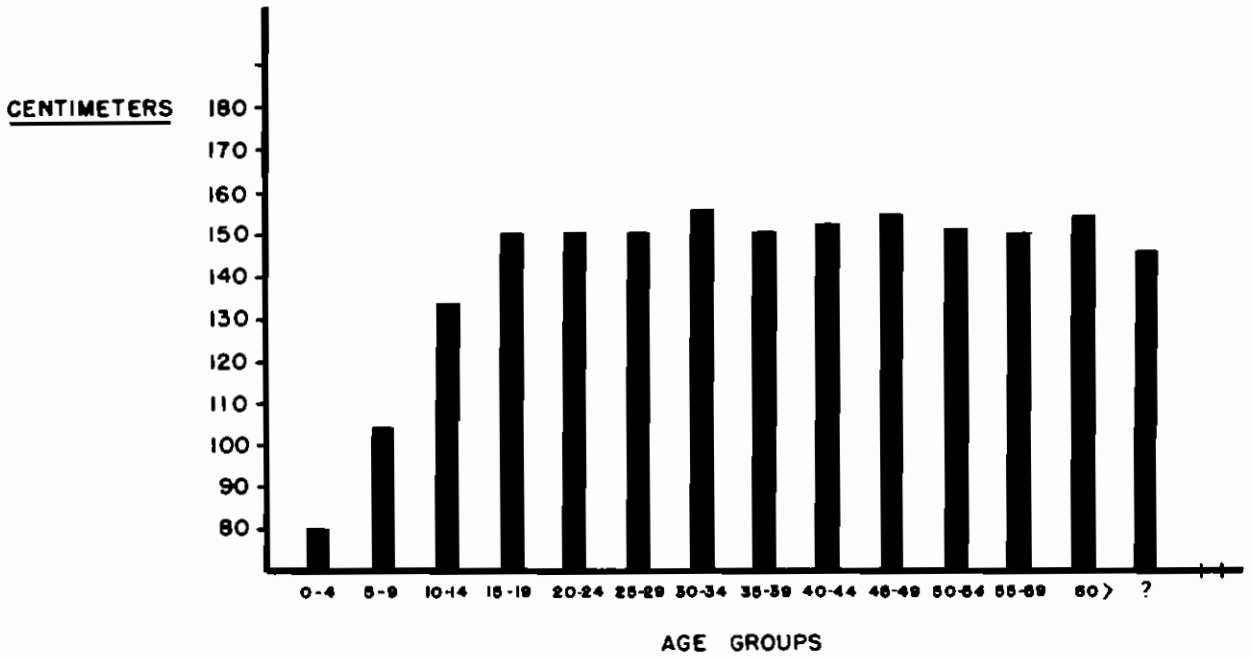
MEANS OF BLOOD PRESSURES AGE/GROUPS



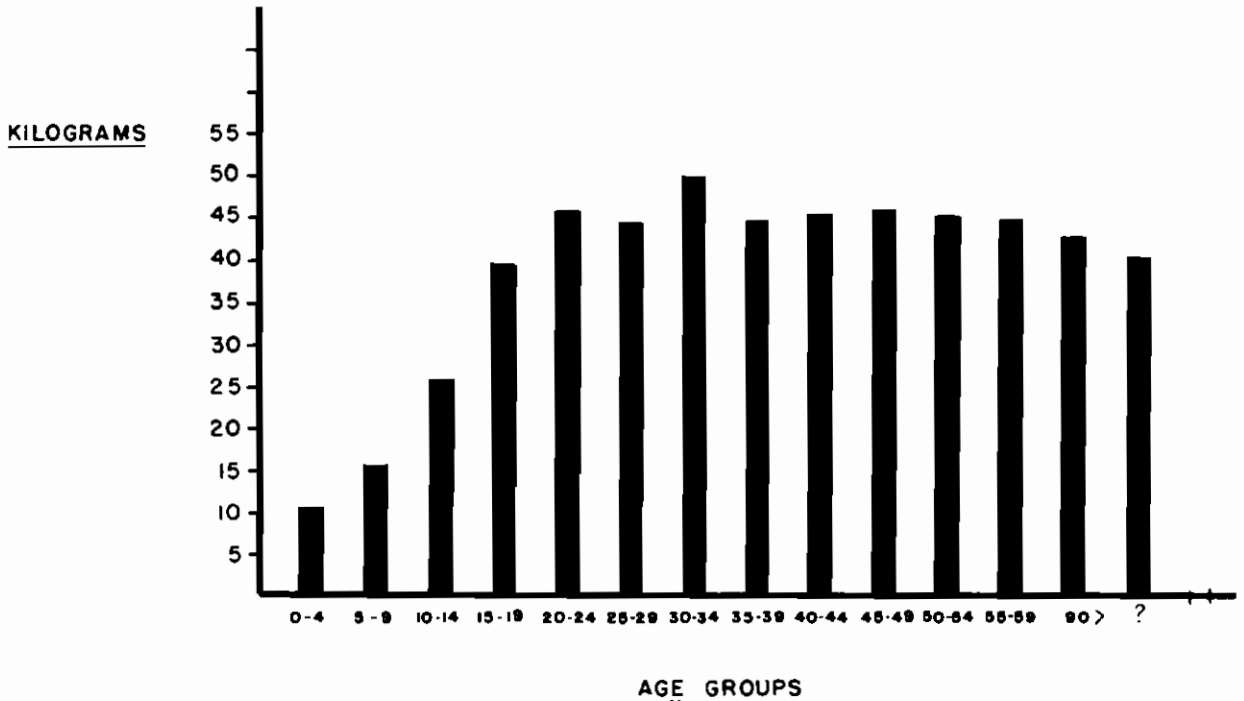
MEANS OF HEMATOCRITS/AGE GROUP



MEANS OF HEIGHTS /cm /AGE GROUPS



MEANS OF WEIGHTS /KILO /AGE GROUP



ARBO-VIRUS

Arbo-Virus analysis were undertaken on 119 sera using Japanese encephalitis and Chikungunya virus as antigens for hemagglutination inhibition tests. (1)

Only 16 out of 119 sera were positive for Chikungunya at a 1:20 dilution or higher.

Almost all sera (107 out of 119) were positive for Japanese encephalitis.

- (1) - Hemagglutination inhibition test is not type specific. Antibodies measured may be produced by viruses closely related to Jap Band Chikungunya.

MEDICAL HISTORIES

Medical Histories were obtained from 326 subjects. The following are some points of clarification.

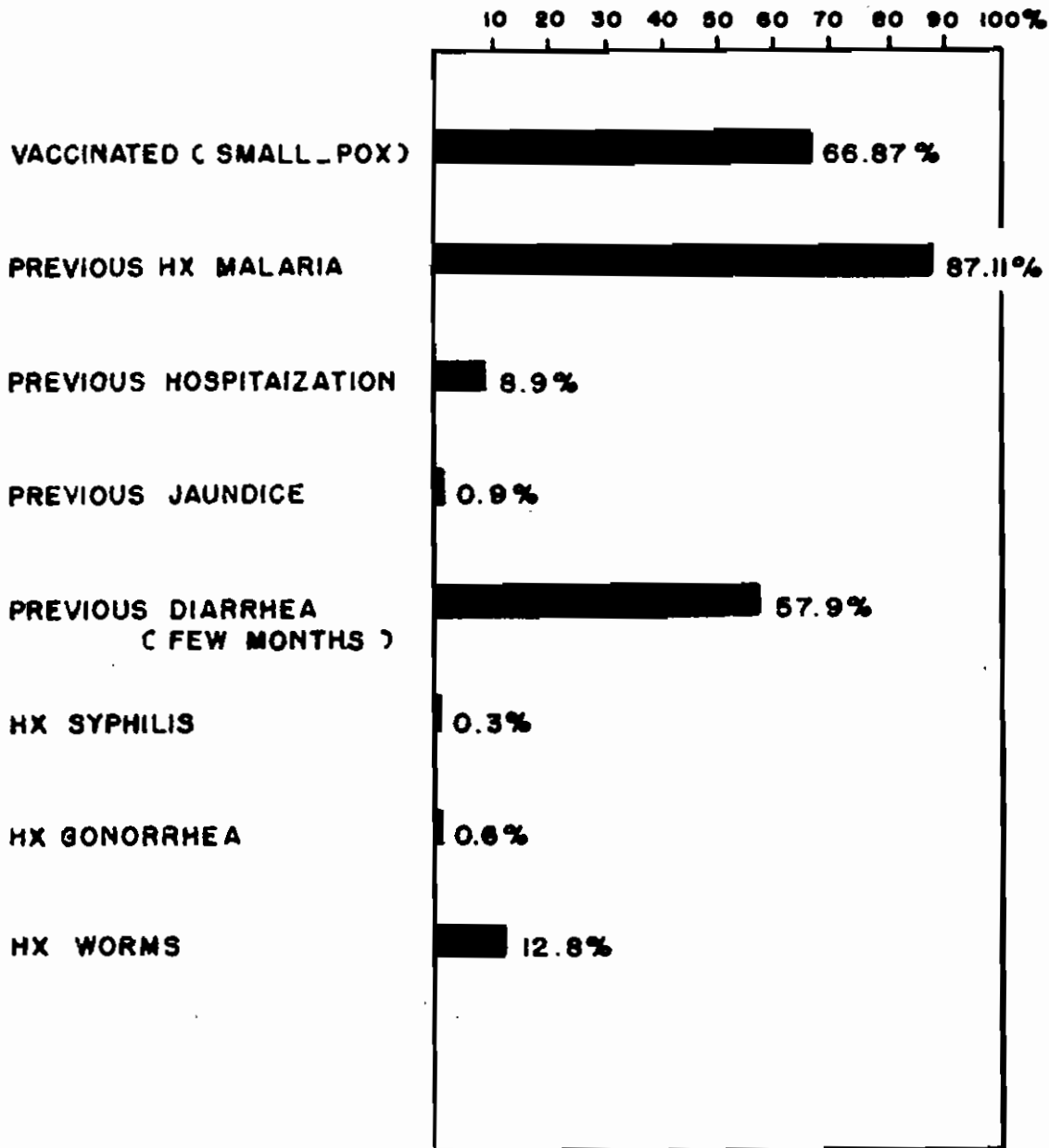
- 1) Immunization refers to small-pox vaccination evidenced by scarring as well as by history.
- 2) Malaria was described as fever with chills and prostration.
- 3) Diarrhea was considered during the past few months.
- 4) Syphilis, Gonorrhoea and Worms response was affected by cultural stigma.

Following is a table of recapitulation for all medical histories obtained.

TABLE OF MEDICAL HISTORY OF ALL DJARAI SUBJECTS EXAMINED
PHU BON PROJECT II

Age group	Immunization	Malaria	Prev. Hospitalization	Jaundice	Diarrhea	Syphilis	Gonorrhea	Worms in stools
0 - 4	2	28	0	0	13			1
5 - 9	10	41	1	0	18			2
10 - 14	10	28	0	0	15	0	0	1
15 - 19	7	15	0	0	11	0	0	0
20 - 24	21	20	0	0	14	0	0	0
25 - 29	17	14	0	0	10	0	0	1
30 - 34	14	12	3	0	14	0	0	3
35 - 39	21	19	2	1	8	0	1	1
40 - 44	26	24	3	0	16	0	0	3
45 - 49	21	19	9	0	15	0	1	12
50 - 54	31	26	5	2	24	0	0	4
55 - 59	11	11	1	0	11	0	0	3
60	22	21	3	0	16	1	0	10
?	5	6	2	0	4	0	0	1
Total	218	284	29	3	189	1	2	42
% of total (326)	66.87	87.11	8.9	0.9	57.9	0.3	0.6	12.8

GRAPHIC OF MEDICAL HISTORY FOR ALL DJARAI EXAMINED PHU BON PROJECT II

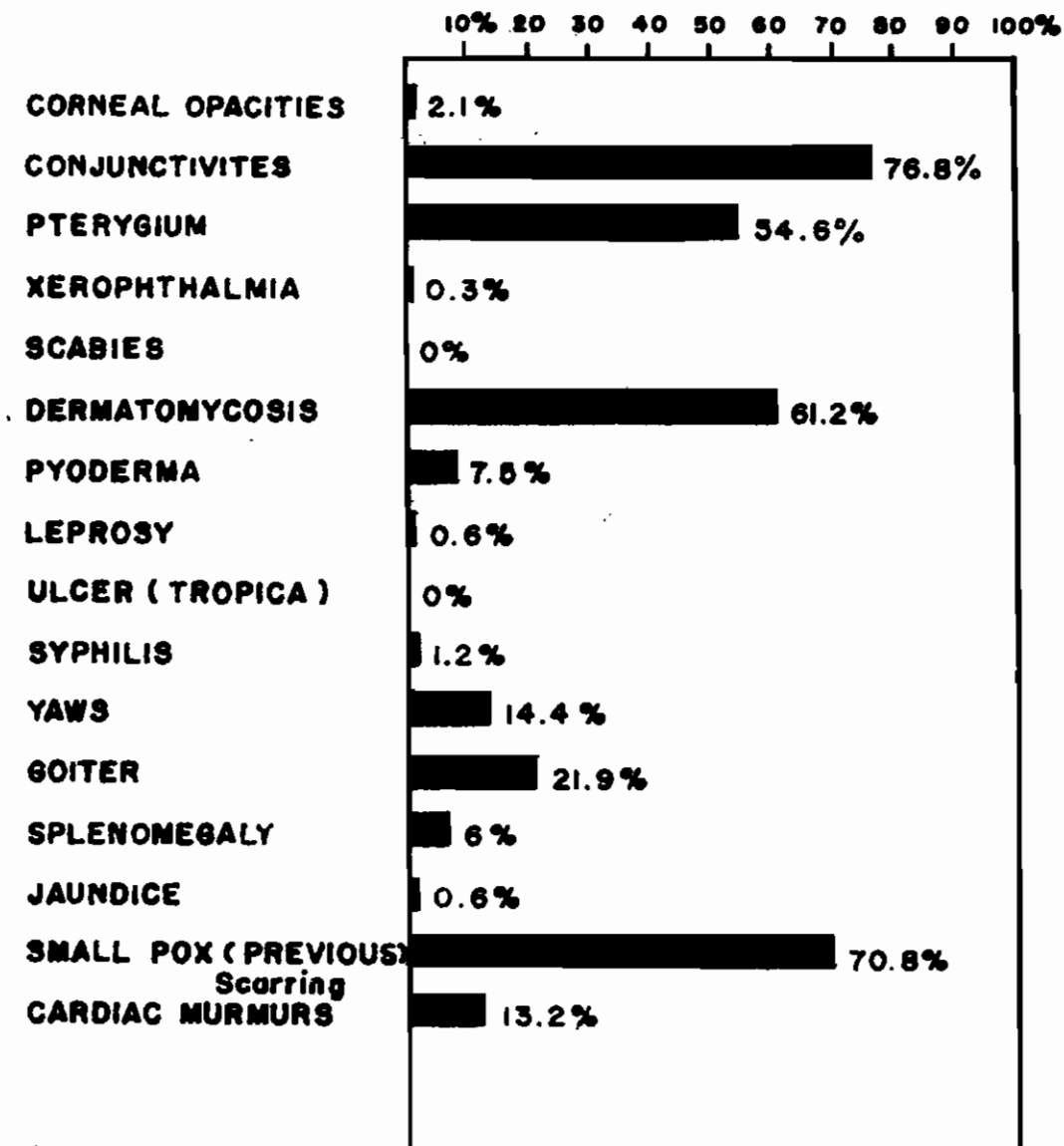


PHYSICAL EXAMINATION

Certain disease conditions easily diagnosed by physical examination were observed.

The following graphic lists these disease conditions by age groups.

**GRAPHIC OF DIAGNOSED DISEASE CONDITIONS BY
PHYSICAL EXAMINATION
FOR ALL DJARAI EXAMINED - PHU BON PROJECT II**



Age Group		Corneal Opacities	Conjunctivites	Pterygium	Xerophthalmia	Scabies	Dermatomycosis	Pyoderma	Leprosy	Ulcer (Tropical)	Evidence of Edema	Syphilitic	Yaws	Goiter	Splenomegaly	Evidence of Jaundice	Small Pox	Hepatomegaly	Cardiac murmurs
0 - 4	Number	0	30	0	0	0	15	5	0	0	0	0	1	1	6	0	8	2	3
	% of total	0	9.2	0	0	0	4.6	1.5	0	0	0	0	0.3	0.3	1.8	0	2.5	0.6	0.9
5 - 9	Number	0	42	3	0	0	29	7	1	0	0	0	5	6	11	0	15	7	4
	% of total	0	12.8	0.9	0	0	8.9	2.1	0.3	0	0	0	1.5	1.8	3.3	0	4.6	2.1	1.2
10 - 14	Number	0	19	8	0	0	22	3	0	0	1	0	9	9	0	1	16	3	3
	% of total	0	5.8	2.4	0	0	6.7	0.9	0	0	0.3	0	2.7	2.7	0	0.3	4.9	0.9	0.9
15 - 19	Number	0	13	7	0	0	9	1	0	0	0	0	0	4	1	0	7	0	3
	% of total	0	3.9	2.1	0	0	2.7	0.3	0	0	0	0	0	1.2	0.3	0	2.1	0	0.9
20 - 24	Number	0	15	12	0	0	13	1	0	0	0	0	6	9	0	0	21	1	1
	% of total	0	4.6	3.6	0	0	3.9	0.3	0	0	0	0	1.8	2.7	0	0	6.4	0.3	0.3
25 - 29	Number	0	15	9	0	0	10	2	0	0	0	1	2	10	1	0	17	1	4
	% of total	0	4.6	2.7	0	0	3	0.6	0	0	0	0.3	0.6	3	0.3	0	5.2	0.3	1.2
30 - 34	Number	0	7	13	0	0	8	0	0	0	0	0	1	5	0	0	15	0	1
	% of total	0	2.1	3.9	0	0	2.4	0	0	0	0	0	0.3	1.5	0	0	4.6	0	0.3
35 - 39	Number	0	12	20	0	0	14	1	0	0	0	0	4	6	0	0	21	0	3
	% of total	0	3.6	6.1	0	0	4.2	0.3	0	0	0	0	1.2	1.8	0	0	6.4	0	0.9
40 - 44	Number	0	18	18	0	0	13	4	0	0	0	0	3	4	0	0	26	0	5
	% of total	0	5.5	5.5	0	0	3.9	1.2	0	0	0	0	0.9	1.2	0	0	7.9	0	1.5
45 - 49	Number	2	19	22	1	0	17	0	0	0	0	1	3	4	1	0	21	0	1
	% of total	0.6	5.8	6.7	0.3	0	5.2	0	0	0	0	0.3	0.9	1.2	0.3	0	6.4	0	0.3
50 - 54	Number	1	27	31	0	0	26	1	0	0	0	0	5	8	0	1	31	2	6
	% of total	0.3	8.2	9.5	0	0	7.9	0.3	0	0	0	0	1.5	2.4	0	0.3	9.5	0.6	1.8
55 - 59	Number	1	8	11	0	0	9	0	1	0	0	1	2	3	0	0	11	3	4
	% of total	0.3	2.4	3.3	0	0	2.7	0	0.3	0	0	0.3	0.6	0.9	0	0	3.3	0.9	1.2
60 ->	Number	3	18	22	0	0	14	0	0	0	0	1	5	4	0	0	22	0	6
	% of total	0.9	5.5	6.7	0	0	4.2	0	0	0	0	0.3	1.5	1.2	0	0	6.7	0	1.8
Unk.	Number	0	5	4	0	0	3	0	0	0	0	0	2	0	0	0	1	1	0
	% of total	0	1.5	1.2	0	0	0.9	0	0	0	0	0	0.6	0	0	0	0.3	0.3	0
TOTAL	Number	7	248	180	1	0	202	25	2	0	1	4	48	73	20	2	222	20	44
	% of total	2.1	76.8	54.6	0.3	0	61.2	7.5	0.6	0	0.3	1.2	14.4	21.9	6	0.6	70.8	6	13.2

TABLE OF DIAGNOSED DISEASE CONDITIONS BY PHYSICAL EXAMINATION
FOR ALL DJARAI EXAMINED - PHU BON PROJECT II

TUBERCULOSIS

Chest X-Rays were taken of 320 subjects. Of these, 266 films were readable. The loss of 54 films was due to the use of an experimental transistorized field model X-Ray unit and a combined fixer-developer solution which were not suitable to the climate and field conditions. The readable 266 films were obtained using the common field 30 MA Picker Portable X-Ray unit. The source of power was a 1.7 KV portable field generator.

Number of X-Rays : 266

- Relevant shadows : 17 or 6.5%
- Highly suspect Tuberculosis : 11 or 4.1%

URINALYSIS

Urine samples were obtained from over 96% (305) of the subjects examined (326).

Albumin was found in 16 subjects or 5.2%.

No. (1+)

3
7
14
28
32
37
52
59
60
78
85
148
233
266
270

No. (2+)

274

Glucose was found in none.

Urine samples of the 14 subjects in the MAAG Compound were not taken.

MALARIA

Of 326 blood smears examined, 5 were positive, or about 1.5 %.

Code No. 158 : F++
" 160 : F+
" 305 : G+ Mg+
" 229 : F+
" 282 : F+

The map of Malarionetric Index prepared by A.G.M.L. Vietnam indicates the area to be malaria free.

Daily activities of many villagers carry them to high malaria areas within kilometers from Boun Khan. Boun Khan is also so situated that it has been regularly sprayed with DDT, unlike areas a few kilometers from Boun Khan where insecurity has prevented regular spraying.

About 85% of the subjects interviewed claim to have had fever and chills (malaria) while living in the "forest" (prior to relocation).

A prior survey undertaken during Phu Bon Project I - February 1963 of a Jarai refugee population in the Boun Samla area revealed a 54% positive malarionetric index (see map).

STOOL PARASITOLOGY

Stool samples were obtained from over 95% of the subjects examined. The findings are presented in the Parasitology Table as well as by age group graphics.

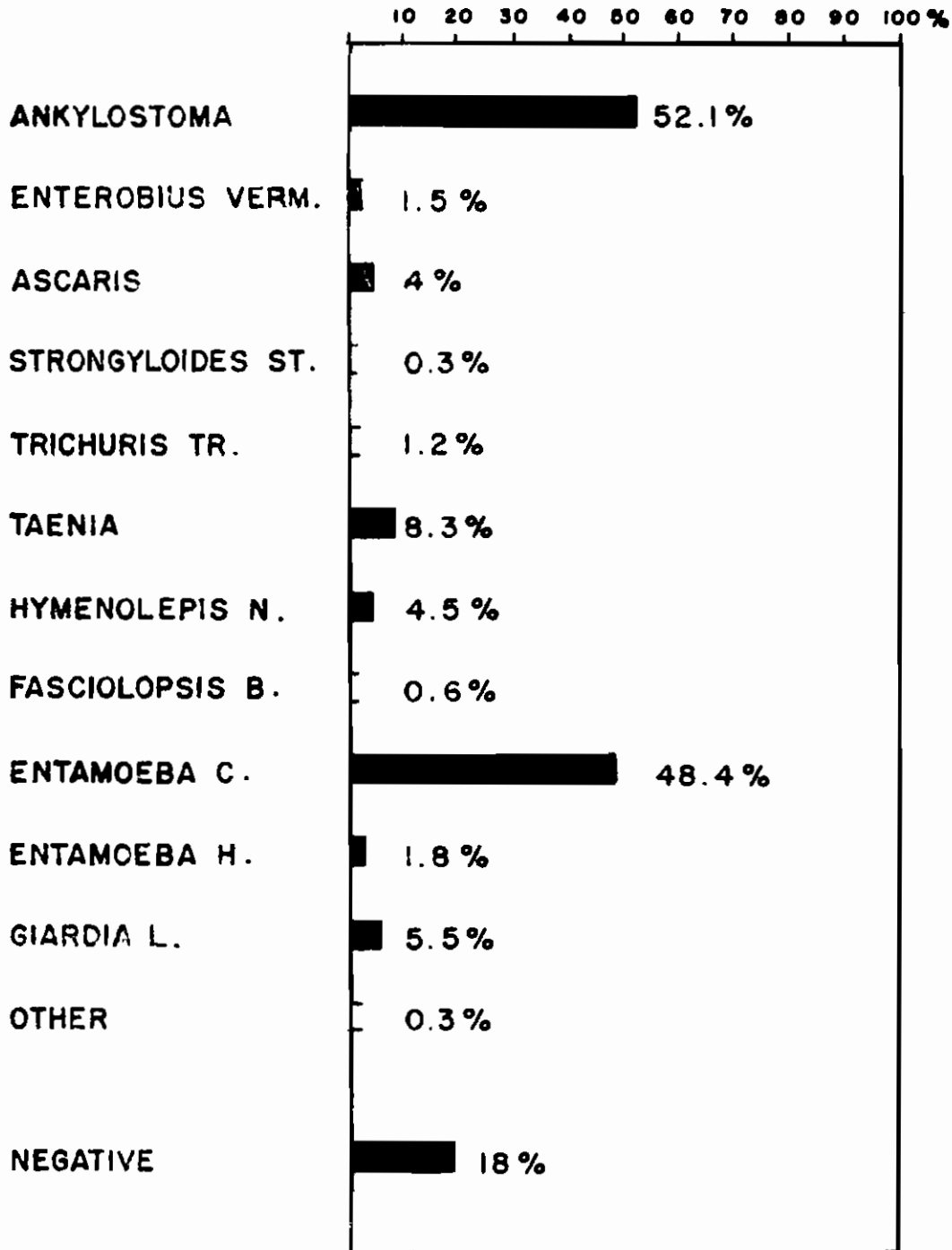
Stool specimens were fixed in methyl alcohol and formalin and colored with iodine. No special methods were employed for *Enterobius vermicularis*.

All specimens plated on selenite and SS plates were destroyed before reading thus no information is available on stool patho - bacteriology.

Age Group		Ankylostoma	Enterobius vermicularis	Ascaris	Strongyloides stercoralis	Trichuris trichiura	Taenia	Hymenolepis nana	Diphyllobothrium latum	Fasciolopsis buski	Entamoeba coli	Entamoeba histolytica	Giardia lamblia	Negative
0 - 4	Number	9	1	1	0	1	0	3	0	0	17	0	2	11
	% of total	2.7	0.3	0.3	0	0.3	0	0.9	0	0	5.2	0	0.6	3.3
5 - 9	Number	22	1	2	1	0	2	0	1	1	17	0	5	11
	% of total	6.7	0.3	0.6	0.3	0	0.6	0	0.3	0.3	5.2	0	1.5	3.3
10 - 14	Number	16	0	1	0	0	1	1	0	0	10	0	3	8
	% of total	4.9	0	0.3	0	0	0.3	0.3	0	0	3	0	0.9	2.4
15 - 19	Number	11	0	1	0	0	0	1	0	1	6	2	0	2
	% of total	3.3	0	0.3	0	0	0	0.3	0	0.3	1.8	0.6	0	0.6
20 - 24	Number	12	1	4	0	0	1	3	0	0	14	0	3	2
	% of total	3.6	0.3	1.2	0	0	0.3	0.9	0	0	4.2	0	0.9	0.6
25 - 29	Number	11	0	0	0	0	1	0	0	0	7	0	0	2
	% of total	3.3	0	0	0	0	0.3	0	0	0	2.1	0	0	0.6
30 - 34	Number	9	0	0	0	0	0	1	0	0	6	0	2	5
	% of total	2.7	0	0	0	0	0	0.3	0	0	1.8	0	0.6	1.5
35 - 39	Number	12	0	1	0	2	1	1	0	0	9	1	1	2
	% of total	3.6	0	0.3	0	0.6	0.3	0.3	0	0	2.7	0.3	0.3	0.6
40 - 44	Number	11	3	1	0	0	1	0	0	0	15	1	1	5
	% of total	3.3	0.9	0.3	0	0	0.3	0	0	0	4.6	0.3	0.3	1.5
45 - 49	Number	13	0	2	0	0	9	3	0	0	8	0	0	3
	% of total	3.9	0	0.6	0	0	2.7	0.9	0	0	2.4	0	0	0.9
50 - 54	Number	21	0	0	0	1	6	0	0	0	19	0	0	3
	% of total	6.4	0	0	0	0.3	1.8	0	0	0	5.8	0	0	0.9
55 - 59	Number	4	0	0	0	0	3	0	0	0	7	0	0	2
	% of total	1.2	0	0	0	0	0.9	0	0	0	2.1	0	0	0.6
60→	Number	14	0	0	0	0	3	1	0	0	12	2	0	4
	% of total	4.2	0	0	0	0	0.9	0.3	0	0	3.6	0.6	0	1.2
Unk	Number	2	0	0	0	0	0	1	0	0	4	0	0	0
	% of total	0.6	0	0	0	0	0	0.3	0	0	1.2	0	0	0
TOTAL	number	167	6	13	1	4	28	15	1	2	151	6	17	60
	% of total	50.4	1.8	3.9	0.3	1.2	8.4	4.5	0.3	0.6	45.7	1.8	5.1	18

INTESTINAL PARASITE INFESTATION

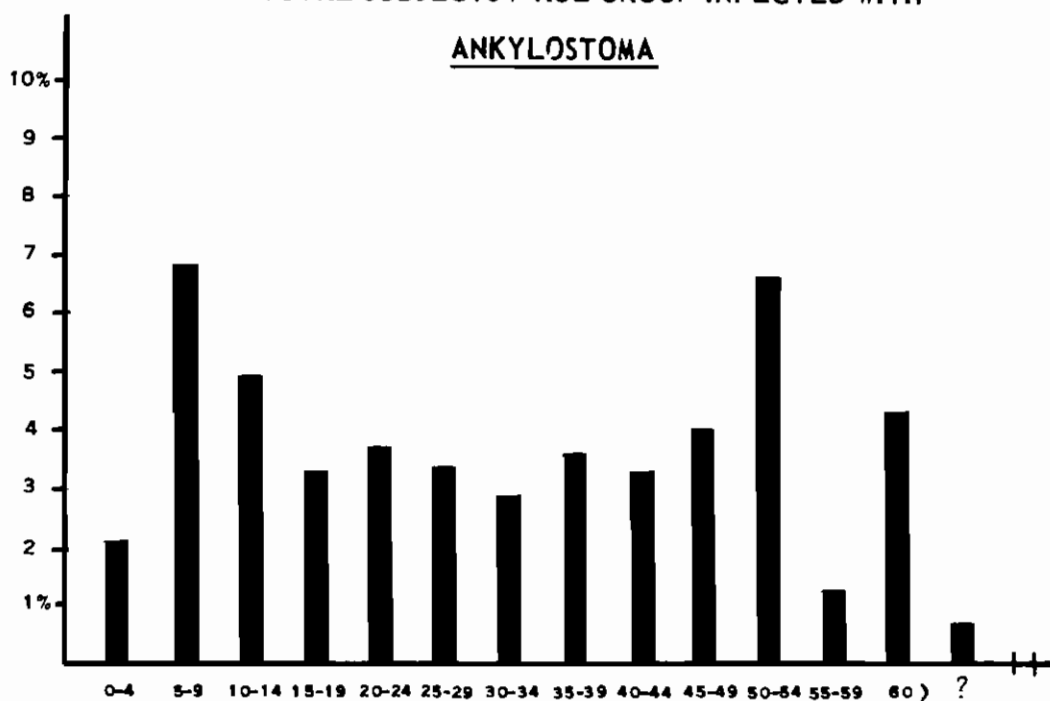
% INFECTED OF TOTAL SUBJECTS EXAMINED (326)



% OF TOTAL SUBJECTS / AGE GROUP INFECTED WITH

ANKYLOSTOMA

**%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
WITH
ANKYLOSTOMA**

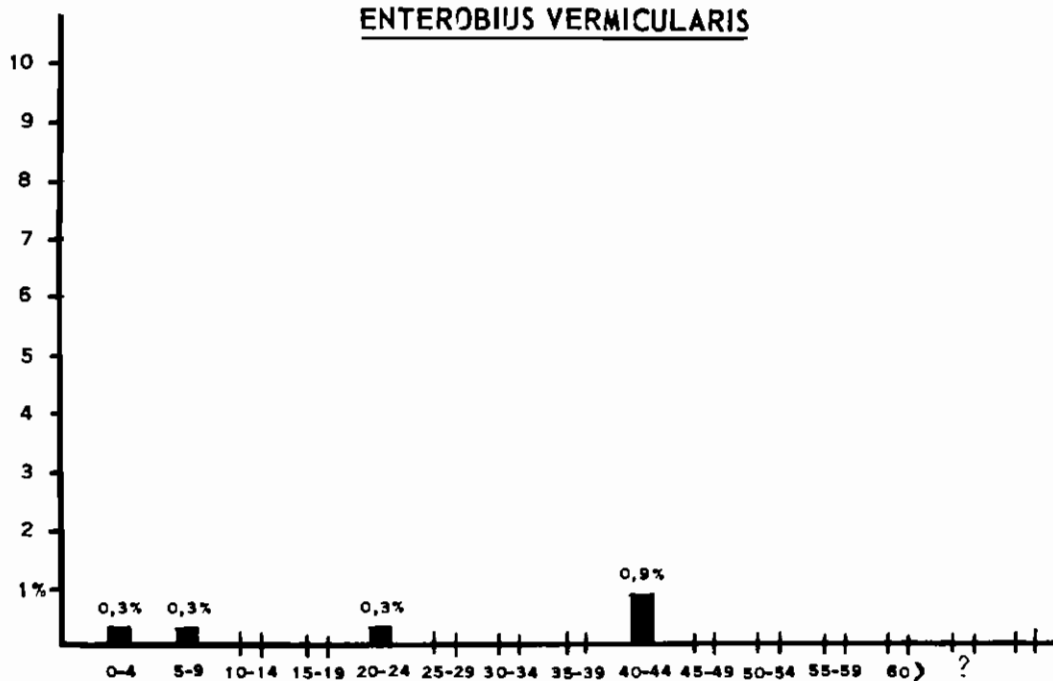


SUBJECTS BY AGE GROUPS

% OF TOTAL SUBJECTS / AGE GROUP INFECTED WITH

ENTEROBIUS VERMICULARIS

**%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
WITH
ENTEROBIUS VERMICULARIS**

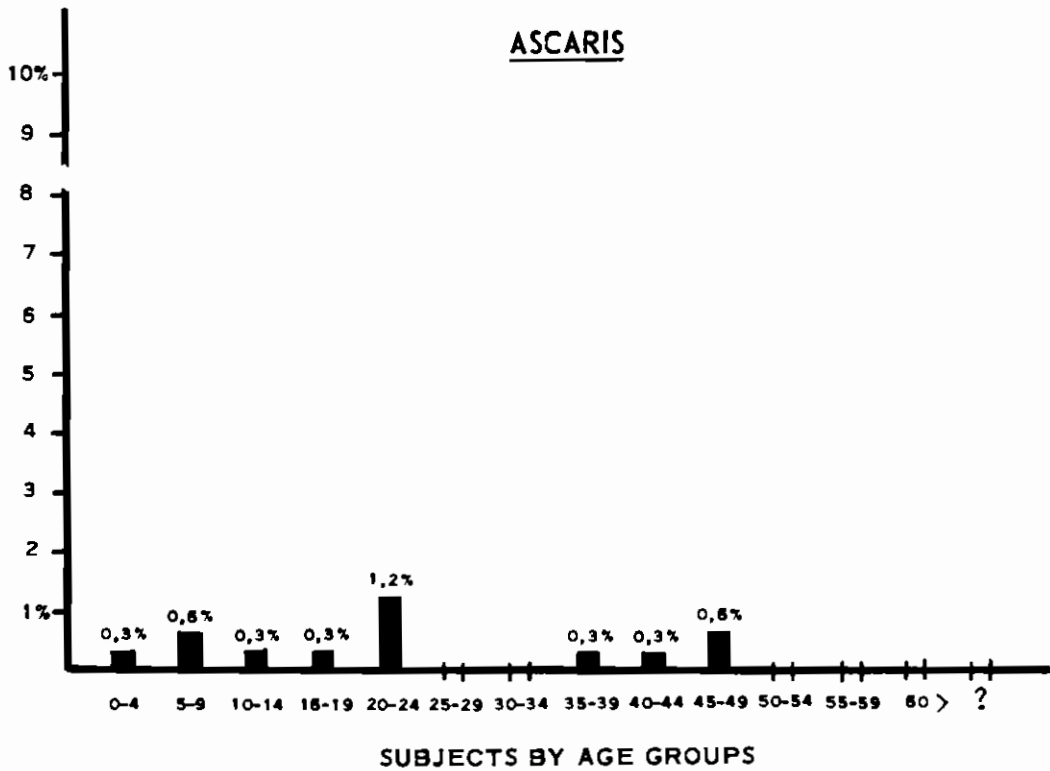


SUBJECTS BY AGE GROUPS

% OF TOTAL SUBJECTS / AGE GROUP INFECTED WITH

ASCARIS

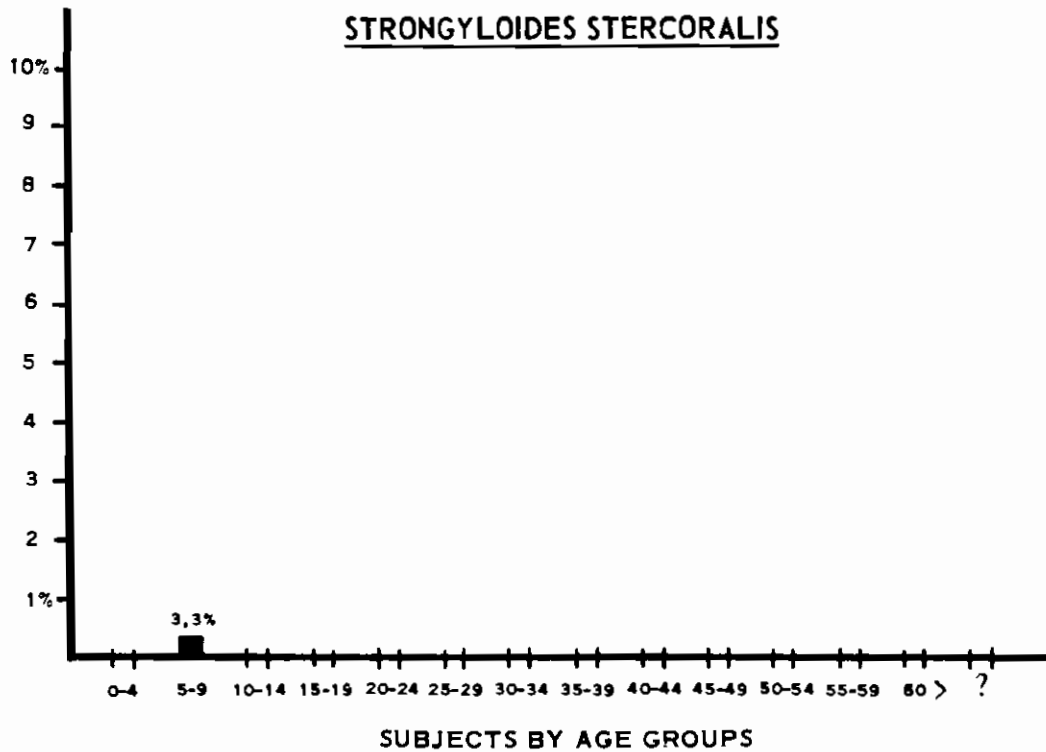
%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
WITH
ASCARIS



% OF TOTAL SUBJECTS / AGE GROUP INFECTED WITH

STRONGYLOIDES STERCORALIS

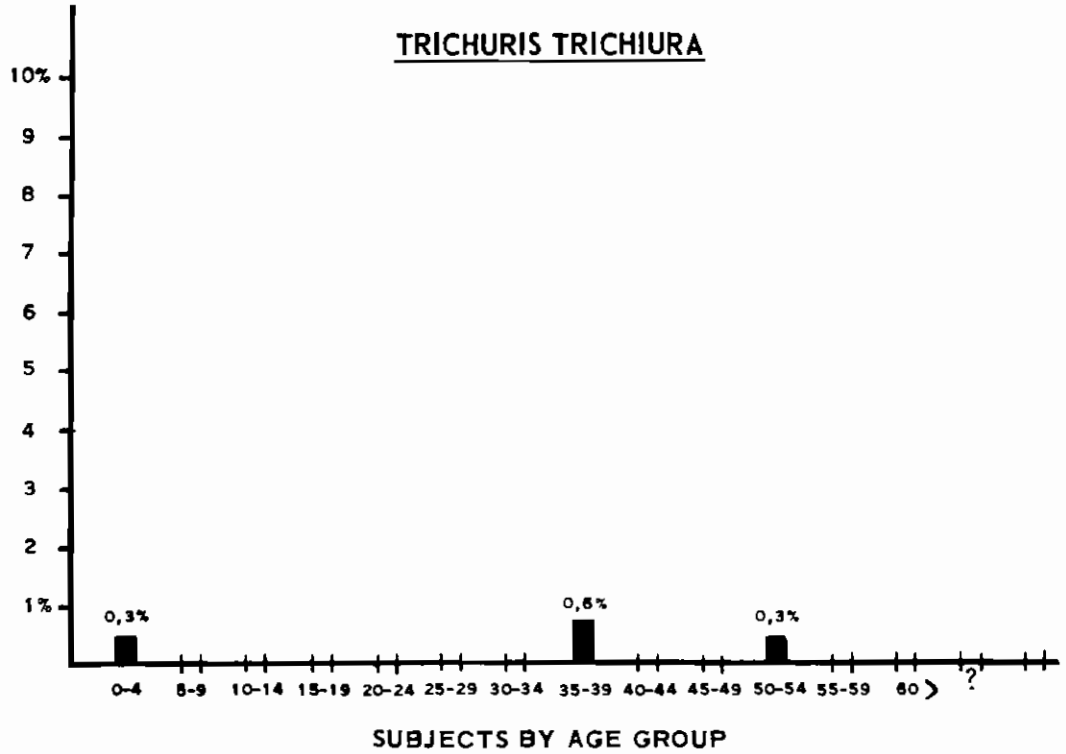
%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
STRONGYLOIDES ST.



% OF TOTAL SUBJECTS / AGE GROUP INFECTED WITH

TRICHURIS TRICHIURA

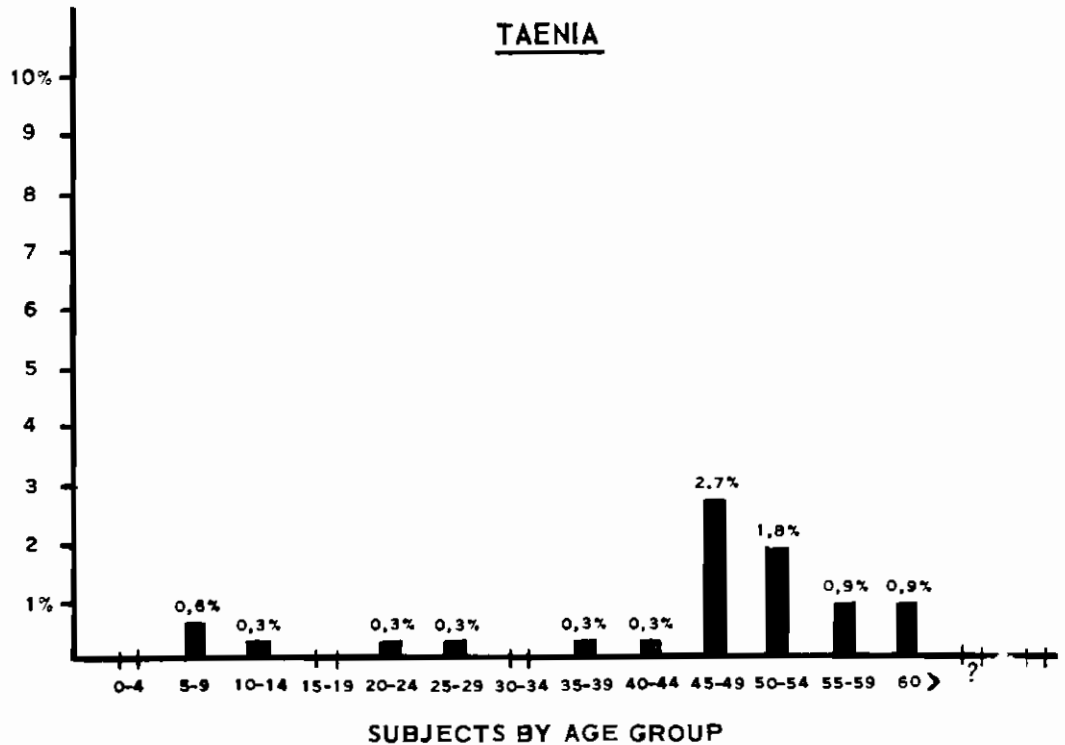
%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
TRICHURIS TR.



% OF TOTAL SUBJECTS / AGE GROUP INFECTED WITH

TAENIA

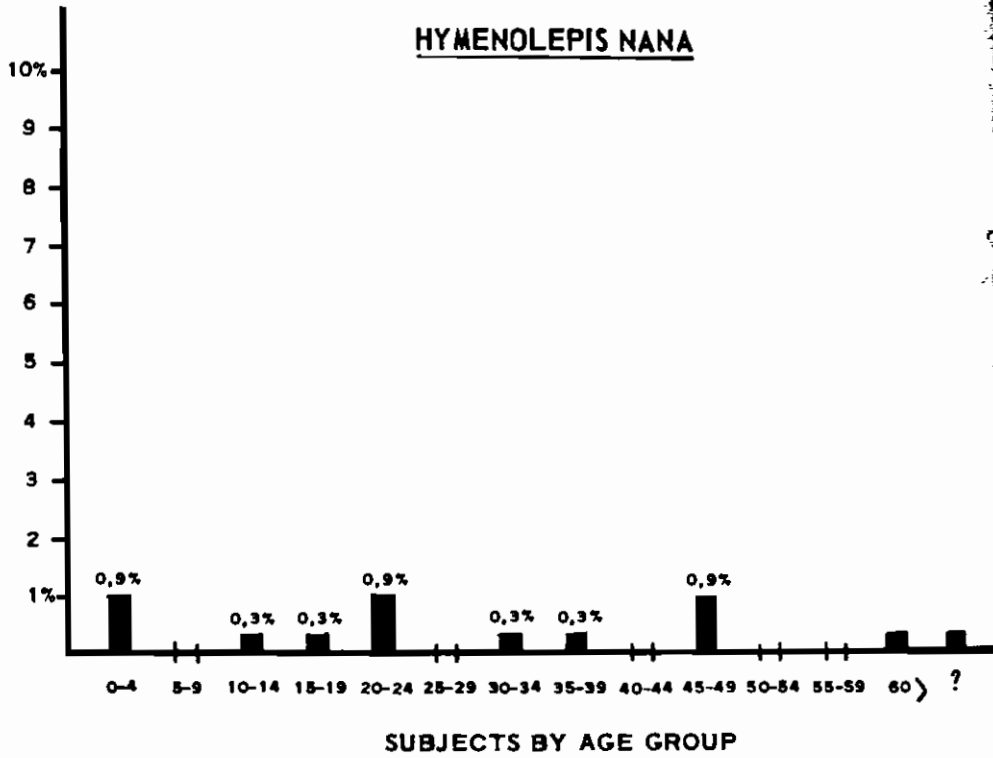
%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
TAENIA



% OF TOTAL SUBJECTS / AGE GROUP INFECTED WITH

HYMENOLEPIS NANA

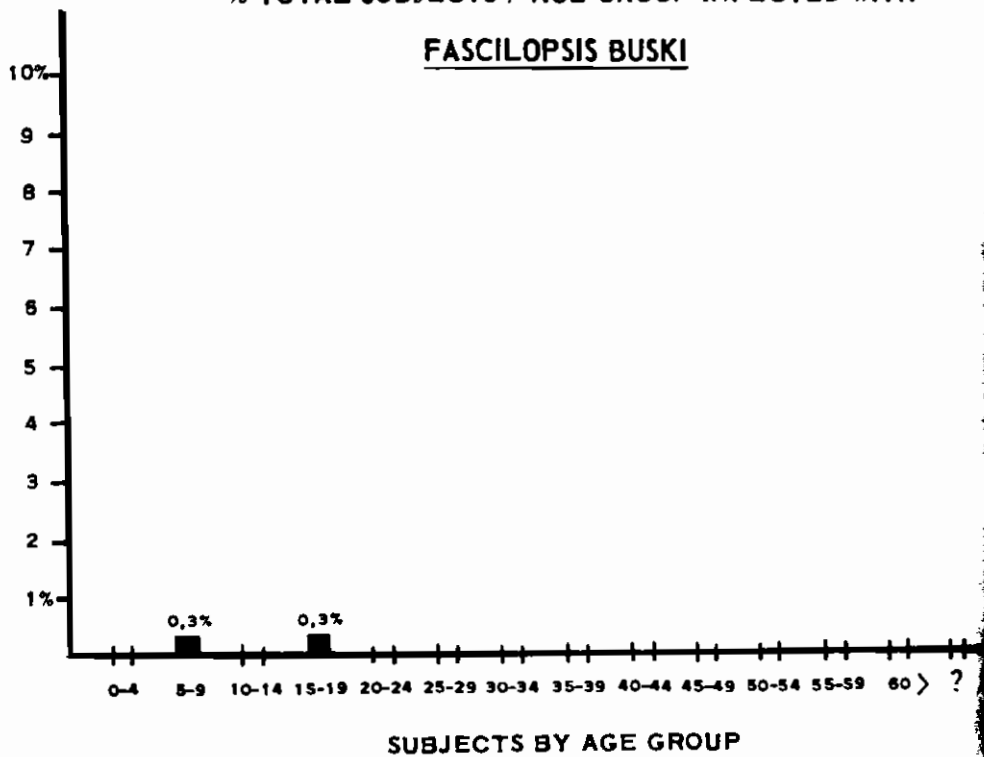
%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
HYMENOLEPIS N.



% TOTAL SUBJECTS / AGE GROUP INFECTED WITH

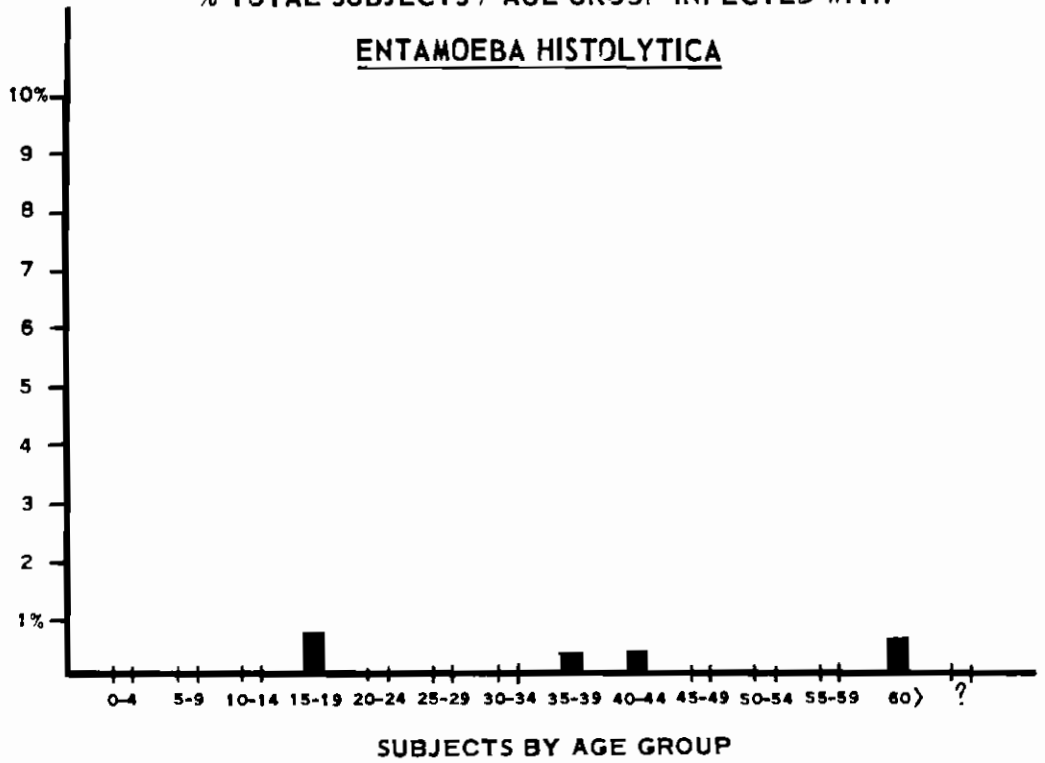
FASCIOLOPSIS BUSKI

%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
FASCIOLOPSIS BU.



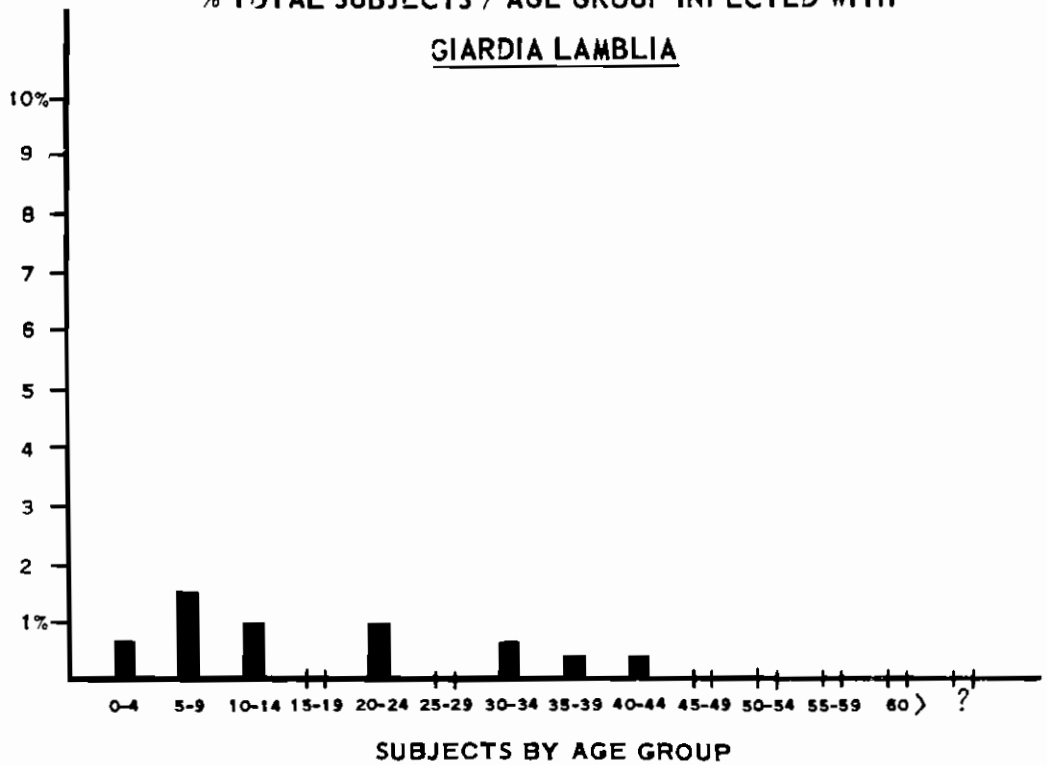
**% TOTAL SUBJECTS / AGE GROUP INFECTED WITH
ENTAMOEBIA HISTOLYTICA**

%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
ENTAMOEBIA H.



**% TOTAL SUBJECTS / AGE GROUP INFECTED WITH
GIARDIA LAMBLIA**

%
TOTAL SUBJECTS BY
AGE GROUP INFECTED
GIARDIA L.



LEPTOSPIROSIS.

Of 182 sera examined by leptospiral H.I. test, antibodies were found at titers of 1:10 to 1:640 for 53% of all these sera examined.

INFANT MORTALITY

The total number of female adults examined was 134. The earliest age of reported pregnancy was 20 years old. The total number of pregnancies to completion (term) during their child bearing years was 387. The total number of live births was 342. The total number of these children reaching adulthood was 254. An overall infant mortality of 116 per 1000 is calculated.

HEALTH ATTITUDES

Interviews were conducted by 2 montagnards health workers of a closely related tribe (Rhadé). The interviewers were accompanied by Ksor Dinh, the second village chief. Resistance to the questioning was almost total and response was obtained often under suggestion and/or verbal pressure.

A total of 31 montagnards were chosen at random and interviewed. Of these, 17 were males between 30 and 70 years old, and 14 were females between 20 and 60 years old.

Results of Interviews :

1. Name 3 most common diseases in this village.

- a. Abdominal pain7 persons
- b. Body-ache6 persons
- c. Cough5 persons
- d. No response 13

1.1 What do you think causes these diseases ?

- a. Caused by Yang (Holy Spirit) 15
- b. It is natural 7
- c. Eating unsanitary and improper foods 4
- d. Weather 2
- e. Overwork 3

1.2 What is done when someone in your house gets these diseases ?

- a. Prepare offerings for Yang (Holy Spirit) ... 17
- b. Invite sorcerer 13
- c. Know of no means 1
- d. a & b 10

1.3 Do you know of any way to prevent these diseases ?

- a. Prepare offerings for Yang 13
- b. No 18
- c.

2. What would you do for the following conditions that might occur in your household ?

2.1 Bad toothache.

- a. Nothing 6
- b. To suck something bitter (guava bark) ... 15
- c. No response 10

2.2 Serious fever.

- Prepare offerings under sorcerer's advice..... 31

- 2.3 Severe stomach pain.
- a. Drink warm water or invite sorcerer to do massage..22
 - b. No response 9
- 2.4 Watery stool.
- a. Drink bitter leave juice (guava) 28
 - b. No response 3
- 2.5 Severe cut with oleding.
- a. Bind the cut to stop bleeding 25
 - b. No response 6
- 2.6 Leprosy.
- a. Isolate patients 5
 - b. Prepare offerings to Yang, no medecines... 2
 - c. No response24
- 2.7 Person is struck by lightning and stops breathing.
- a. Placing pig's excreta to all over the victim ... 3
 - b. Place victim near fire 1
 - c. No response27
- 2.8 Severe and/or chronic cough.
- a. Prepare offerings to Holy Ghost 19
 - b. No response 12
3. How many days of illness did you have during the past 90 days ?
(unable to leave or carry out routine functions).
- a. One day 1
 - b. 3/4 day 1
 - c. None29
4. In general are certain foods and meats better for us than others ?
- 4.1 Which foods and meats are better ?
- No response.

- 4.2 Which foods and meats are harmful ?
- a. Spoiled foods 20
 - b. Dog's meat 2
 - c. No response 9
- 4.3 Is there good and bad water for drinking ?
- a. Stream and river water : good 14
 - b. Pond and bad water cause abdominal pain9
 - c. No response8
- 4.4 What is the difference ?
- Unable to evaluate
- 4.5 What foods do you eat daily ?
- a. Rice and soup17
 - b. Available foods14
- 4.6 What foods do you eat occasionally ?
- a. Rice and soup 25
 - b. Fresh fish, vegetable ... 5
 - c. No response 1
5. What causes a woman to be pregnant ?
- Male and female relation (coitus).....31
- 5.1 Must a woman take any special precautions, foods or medicine during pregnancy ?
- a. Avoid carrying heavy things and anger6
 - b. Eat as usual, except some kind of fishes...2
 - c. No special food. No medicines23
- 5.2 Can one determine or arrange sex of fetus before birth? How?
- a. No 27
 - b. It depends on Spirits..... 3
 - c. Baby is girl if her mother is fat and father thin.
On the contrary, the baby is a boy 1

- 5.3 Who generally assist the women of your household during birth?
- midwife 31
- 5.4 What is the significance of multiple births? (e.g. twins)
- a. Due to gods 7
 - b. Too much sexual intercourse..3
 - c. None21
- 5.5 What is the significance of birth defects: (e.g. monsters, extra limbs, missing limbs.)
- a. Due to Gods 2
 - b. Anemia and syphilis ... 1
 - c. None23
 - d. No response 5
- 5.6 Must a woman take any special precautions, medicines, foods etc for a period following delivery ?
- a. Eat only rice and salt, no raw meat and any kind of birds for one or two months..... 3
 - b. Do not take bath for fortnight after delivery.... 10
 - c. Drink warm water 18

