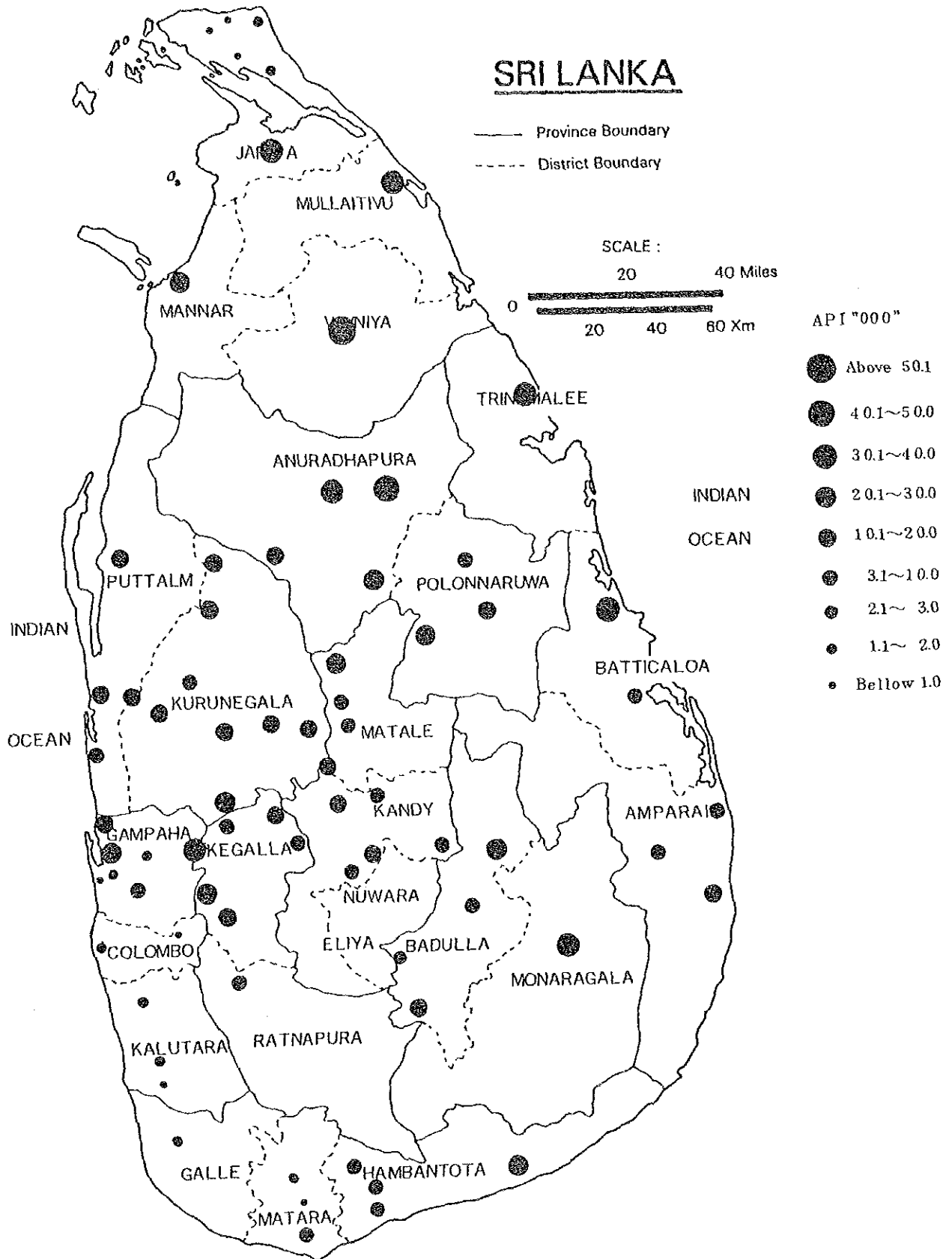


MALARIA

Appendix 4 DISTRIBUTION MAP OF MALARIA IN SRI LANKA



Appendix 5 LISTS ON YEARS OF EPIDEMIC OUTBREAKS AND THE AREAS AFFECTED

Year	Areas Affected
1877	Negombo, Kegalle, Kurunegala, Puttalam Districts, from Avissawella to Ratnapura
1880	Negombo, Ratnapura, Kurunegala, parts of Kandy, Matale Districts, Kalutara
1884	Negombo, Ratnapura, Kegalle, Puttalam, Kurunegala Districts, Matale, Anuradhapura
1887	Kelani Valley, Negombo, Dhilaw Districts, Kalutara, Galle, the Northern Province
1888	Matale, Galagedera
1889	Batticaloa, Jaffna, the Uva Province
1891	Northern, Eastern, North-Western, Southern Sabaragamuwa and Uva Provinces
1892	Western, North-Western and the Sabaragamuwa Provinces
1893	Areas affected during the previous year showed increased intensity of incidence during the first quarter.
1894	Western and the Sabaragamuwa Provinces. Negombo, Jaela and villages bordering the Kelani Valley

1895 Western Province, Galle and the Matara Districts

1898 Jaffna, Matale, Kurunegala

1899 Jaffna, Trincomalee, Eastern Province

1906 Throughout the island except the Northern Province-Matara, Hambantota, Veyangoda, Hanwella, Kelani Valley, Matale, Teldeniya, Buttala, Muppane, a large portion of the North-Western Province and nearly the whole of the Sabaragamuwa Province

1911 Parts of the Western, Sabaragamuwa and the Central Provinces- Kegalle, Matale, Ratnapura, Hambantota, and Kurunegala

1912 Hambantota, Kegalle, Galboda and Kinigoda Korales, and Yatinuwara in the Central Province

1913 Matale

1914 Eastern and the Uva Provinces

1922 Kegalle

1923 Kegalle and the Trincomalee Districts, Samanturai, Karawaka pattu and Akkarai pattu in the Eastern Province

(contd---)

Year	Areas Affected
1928/29	Uva and the North-Western Provinces. The lower part of the Kelani Valley in the Western Province, Kegalle in the Sabaragamuwa Province, Tangalle and Hambantota in the Southern Province, Matale District and Dumbara Valley in the Kandy District
1929	Northern, North-Central, Southern and the Eastern Provinces, Gampaha and Avissawella in the Western Province, North Matale and Dumbara Valley in the Central Province
1934/35	Western and the Sabaragamuwa Provinces, lower parts of the North-Western Province, Greater portions of the Kandy and Matale Districts
1939/40	Colombo, Kandy, Kurunegala, Matale and Negombo Districts
1943	Colombo, Negombo, Kurunegala, Kandy and Matale Districts
1945/46	Wet and the Intermediate Zones of the Kegalle, Kandy and Kurunegala Districts

From M.B. Wickramasinghe, Ceylon Med. J. 26, 1981.

Appendix 6 POSITIVE CASES OF MALARIA BY YEARS AND SPECIES 1958-1968
AND 1982 AND 1983

Year	No. of Exam.	No. of Posi.	Species			
			<i>P. vivax</i>	<i>P. malariae</i>	<i>P. falciparum</i>	mixed
1958	63,886	1,037	781	3	251	2
59	305,740	1,596	1,126	8	456	6
60	596,033	422	376	7	39	0
61	786,307	110	76	20	13	1
62	1,028,622	31	14	1	16	0
63	949,919	17	8	4	5	0
64	1,213,133	150	13	73	63	1
65	1,300,000 (about)	308	19	100	189	0
66	1,455,259	499	27	310	161	1
67	1,439,547	3,466	3,026	248	191	1
68	up to July 30	245,883	245,328	9	544	2

1982	1,127,605	38,566	36,967	0	1,571	58
83	1,055,626	127,264	122,764	0	4,341	159

From { 1958 - 1968; Personal communication.
1982 - 1983; From Administration Report of AMC, 1983.

Appendix 7 TOTAL BLOOD SMEARS FROM INSTITUTION AND FIELD AND NUMBER OF POSITIVES BY HEALTH DIVISIONS (JANUARY-DECEMBER, 1983)

Serial No.	Health Divisions	Total Exam.	Total Posi.	<i>P. vivax</i>	<i>P. falciparum</i>	Mixed	Positivity rate(%)
01	Jaffna	58,704	2,352	2,284	64	04	4.01
02	Vavuniya	54,063	10,696	10,225	438	33	19.50
03	Anuradhapura	121,557	21,579	20,193	1,372	14	17.75
04	Puttalam	64,237	7,341	6,754	580	07	11.45
05	Kurunegala	115,189	18,160	17,664	447	49	15.77
06	Matale	97,362	9,145	8,521	614	10	9.39
07	Batticaloa	56,111	6,511	6,452	46	13	11.60
08	Matara	84,090	6,915	6,897	18	-	8.22
09	Badulla	21,301	1,854	1,788	62	04	8.70
10	Galle	2,027	144	143	01	-	7.10
11	Ratnapura	65,088	4,163	4,117	46	-	6.40
12	Kegalle	52,096	9,248	9,207	39	02	17.75
13	Kandy	56,338	7,088	6,944	139	05	12.58
14	Colombo	26,130	727	721	06	-	2.78
15	Kalutara	4,964	205	204	01	-	4.13
16	Amparai	52,157	3,293	3,283	05	05	6.31
17	Gampaha	35,710	8,994	8,916	72	06	25.19
18	Nuwara Eliya	7,684	921	887	34	-	11.99
19	Moneragala	79,988	7,928	7,564	357	07	9.91
Total		1,055,626	127,264	122,764	4,341	159	12.06

From Administration Report of AMC., 1983

Appendix 8 EPIDEMIOLOGICAL DATA OF MALARIA INFECTION BY HEALTH AREAS,
JANUARY-DECEMBER, 1983

Serial No.	Health Areas	Total Population	No. of Blood Smears Exam.	No. of Positive cases	No. of P.f. Cases	A.B.E.R. (%)	A.P.I. "000"
01	Kayts	94,266	4,071	145	08	4.31	1.50
02	Manioay	113,981	3,381	57	01	2.96	0.50
03	Tellippalai	130,509	2,086	36	02	1.60	0.27
04	Jaffna	135,675	2,979	116	09	2.19	0.85
05	Kopay	113,981	5,461	92	03	4.79	0.80
06	Pt. Pedro	128,443	3,877	137	02	3.01	1.06
07	Chavakachoheri	77,737	11,900	153	09	15.30	1.96
08	Kilinochchi	66,288	24,949	1,616	34	37.75	24.04
09	Mullaitivu	79,767	9,982	1,808	87	12.51	22.66
10	Vavuniya	99,448	26,230	7,075	256	26.34	70.14
11	Mannar	109,795	18,651	1,813	128	16.98	16.51
12	Anuradhapura	268,100	33,260	6,379	297	12.40	23.79
13	Kekirawa	220,516	26,956	4,471	173	12.22	20.27
14	Kahatagasdigiliya	120,098	25,423	5,213	377	21.01	43.40
15	Trincomalee	266,001	35,918	5,516	539	13.70	20.73
16	Puttalam	160,463	34,122	3,098	355	21.26	19.30
17	Chilaw	132,494	14,201	2,252	175	10.70	16.99
18	Marawila	86,969	5,564	544	27	6.40	6.26
19	Dankotuwa	130,453	10,350	1,447	30	7.90	11.00
20	Maho	127,606	19,288	1,818	79	15.11	14.24

(contd---)

Serial No.	Health Areas	Total Population	No. of Blood Smears Exam.	No. of Positive cases	No. of P.f. Cases	A.B.E.R. A.P.I. (%)	"000"
21	Galgamuwa	84,024	12,768	1,029	46	15.19	14.24
22	Gokeralla	148,329	18,257	3,413	106	12.30	23.00
23	Bingiriya	77,744	8,038	1,115	86	10.07	14.34
24	Wariyapola	179,351	11,596	1,672	44	6.46	9.32
25	Kurunegala	137,905	5,135	1,490	47	3.72	10.80
26	Mawatagama	99,598	6,065	1,402	23	6.08	14.07
27	Kuliyapitiya	88,168	7,960	1,377	16	9.00	15.60
28	Moonamaldeniya	61,165	4,135	659	07	6.76	10.77
29	Kandanegedera	84,024	6,564	1,146	17	7.80	13.60
30	Polgahawela	102,730	11,936	2,527	15	11.62	24.60
31	Narammala	65,310	3,447	512	10	5.27	7.80
32	Dambulla	116,629	19,710	3,323	202	16.89	28.49
33	Rattota	54,427	3,737	246	21	6.86	4.51
34	Matale	144,453	11,012	862	45	7.62	5.97
35	Naula	54,813	17,361	1,465	58	31.69	26.72
36	Polonnaruwa	118,171	19,444	1,751	109	16.45	14.31
37	Hingurakgoda	154,092	26,098	1,498	189	16.93	9.72
38	Valachchenai	142,611	29,745	4,888	36	20.85	34.27
39	Kalmunai	147,011	14,536	527	01	9.88	3.58
40	Batticaloa	112,443	12,018	657	14	10.88	5.94

41	Kaluwanchikudy	87,761	14,378	966	09	16.38	11.00
42	Amparai	132,551	23,139	1,043	02	17.45	7.86
43	Thirukovil	123,207	14,482	1,723	07	11.75	13.98
44	Bibile	151,875	19,887	3,578	205	13.09	23.55
45	Badulla	380,549	16,281	1,506	56	4.27	3.95
46	Monaragala	137,135	60,101	4,350	159	43.82	31.72
47	Welikanda	172,069	811	102	05	0.47	0.59
48	Bandarawela	113,026	4,209	246	05	3.72	2.17
49	Hambantota	127,509	37,026	3,884	07	29.03	20.15
50	Tangalle	127,509	11,664	407	-	9.14	3.19
51	Walasmulla	183,404	16,067	1,396	09	8.76	7.61
52	Hakmana	82,903	6,508	390	-	7.80	4.70
53	Kamburupitiya	113,009	296	36	-	0.26	0.31
54	Matara	192,702	10,514	659	02	5.45	3.41
55	Weligama	67,407	197	30	-	0.29	0.43
56	Akuressa	79,804	1,818	113	-	2.27	1.41
57	Kotupola	132,600	-	-	-	-	-
58	Galle F. G.	70,764	-	-	-	-	-
59	Unawatuna	149,111	-	-	-	-	-
60	Baddegama	170,171	-	-	-	-	-
61	Ambalangoda	208,923	-	-	-	-	-
62	Elipitiya	82,559	2,027	114	01	2.45	1.74
63	Induruwa	85,086	-	-	-	-	-
64	Galle M. C.	75,818	-	-	-	-	-
65	Atakalampanna	250,491	20,463	1,364	16	8.16	5.44
66	Balangoda	142,550	18,037	1,785	10	1.26	12.52

(contd---)

Serial No.	Health Areas	Total Population	No. of Blood Smears Exam.	No. of Positive cases	No. of Cases	A.B.E.R. (%)	A.P.I. "000"
67	Ratnapura	334,538	11,083	469	04	3.31	1.40
68	Eheliyagoda	96,406	15,505	545	16	16.08	5.65
69	Dehiowita	134,772	6,765	1,306	04	4.98	9.69
70	Ruwanwella	116,215	9,267	1,649	05	7.97	14.18
71	Kegalle	71,973	4,326	694	12	6.09	9.64
72	Warakapola	96,669	10,027	2,464	06	10.37	25.48
73	Galagamuwa	76,136	6,838	1,518	05	8.98	19.93
74	Mawanella	148,108	9,458	692	04	6.38	4.67
75	Rambukkana	61,741	5,455	925	05	8.83	14.98
76	Wattegama	139,366	7,718	888	16	5.53	6.37
77	Galagedara	49,524	2,451	577	02	5.13	11.65
78	Werellegama	179,567	6,675	595	14	3.71	3.31
79	Meda Mahanuwara	99,047	6,843	1,117	38	6.90	11.27
80	Talatuoya	94,969	9,267	1,411	35	9.75	14.85
81	Maturata	101,840	7,274	825	33	7.14	8.10
82	Nawara Eliya	439,284	410	96	01	0.29	0.68
83	Gampola	145,541	4,241	253	02	2.91	1.73
84	Nawalapitiya	213,709	4,513	780	06	2.11	3.65
85	Kadugannawa	144,492	7,997	236	02	5.53	1.63
86	Kandy M. C.	99,047	6,543	1,231	29	6.60	12.42

87	Kochchikade	141,732	10,293	3,541	40	7.26	24.98
88	Negambo	52,808	518	23	-	0.98	0.43
89	Minuwangoda	122,018	2,547	477	08	2.08	3.90
90	Mirigama	113,817	15,545	4,347	24	13.65	38.19
91	Gampaha	188,208	1,401	211	01	0.74	1.12
92	Ja-ela	344,543	2,446	81	01	0.77	0.25
93	Kelaniya	257,563	-	-	-	-	-
94	Kirindiwela	187,201	2,960	314	04	1.58	1.69
95	Kolonnawa	104,464	-	-	-	-	-
96	Kotte	57,860	-	-	-	-	-
97	Homagama	193,276	43	04	-	0.02	0.02
98	Padukka	141,748	6,664	569	03	4.70	4.01
99	Moratuwa	235,659	-	-	-	-	-
100	Negambo M. C.	61,009	-	-	-	-	-
101	Colombo M. C.	696,779	19,423	154	03	2.78	0.22
102	Panadura	194,458	-	-	-	-	-
103	Horana	161,321	3,134	148	-	1.94	0.91
104	Kalutara	205,761	-	-	-	-	-
105	Agalawatta	188,208	1,445	56	01	0.76	0.29
106	Matugama	106,520	385	01	-	0.36	0.01
107	Nugegoda	171,645	-	-	-	-	-
108	Dehiwala	157,223	-	-	-	-	-
Total		15,372,850	1,055,626	127,264	4,500	6.87	7.99

From Administration Report of AMC, 1983.

Appendix 9 THE INCIDENCE OF MALARIA ON THE BASIS OF THE ANNUAL PARASITE INCIDENCE (API) IN 1983

Annual Parasite incidence "000"	No. of MOH	Population		Blood smears		P.f. & Mixed	Average (%)		
		Examined	Positives	Examined	Positives		ABER	SPR	
Above 50.1	01	99,448	26,230	7,075	256	26.37	26.90	71.14	
40.1 - 50.0	01	120,098	25,423	5,213	377	21.66	20.50	43.41	
30.1 - 40.0	03	393,563	105,391	13,585	219	26.77	12.80	34.51	
20.1 - 30.0	13	1,840,958	297,525	43,985	1,769	16.16	14.70	23.89	
10.1 - 20.0	23	2,361,811	260,372	34,676	1,263	11.02	13.31	14.68	
3.1 - 10.0	24	3,263,123	247,768	19,148	496	7.59	7.72	5.86	
2.1 - 3.0	02	493,575	20,490	1,752	61	4.15	8.55	3.54	
1.1 - 2.0	10	1,462,789	51,375	2,175	33	3.51	4.23	1.48	
Below 1.0	15	2,999,370	43,015	1,032	26	1.43	2.44	0.34	
"Non Malarious"	16	2,338,115	-	-	-	-	-	-	
<hr/>									
Total	108	15,372,850	1,077,589	128,641	4,500	7.00	11.93	8.36	

From Administration Report of AMC, 1983.

Appendix 10 AGE AND SEX DISTRIBUTION OF POSITIVE CASES BY HEALTH DIVISIONS
(JANUARY - DECEMBER, 1983)

Serial No.	Health Division	Sex		Age Group					
		Male	Female	Under 1 yr	1-5 yrs	6-9 yrs	9-15 yrs	Over 15 yrs	
01	Jaffna	1,505	847	23	337	191	257	1,544	
02	Vavuniya	6,139	4,557	104	1,806	1,096	1,513	6,177	
03	Anuradhapura	12,525	9,054	193	3,265	2,699	2,737	12,685	
04	Puttalam	4,130	3,211	52	1,043	820	1,133	4,293	
05	Kurunegala	9,483	8,677	78	856	1,967	2,957	12,302	
06	Matale	5,710	3,435	96	1,167	840	1,084	5,958	
07	Batticaloa	4,121	2,390	64	1,011	873	1,304	3,259	
08	Badulla	1,398	456	12	100	84	127	1,531	
09	Matara	4,199	2,716	66	1,013	610	818	4,408	
10	Galle	97	47	01	08	02	09	124	
11	Ratnapura	2,709	1,454	36	392	309	353	3,073	
12	Kegalle	5,269	3,979	182	735	432	2,091	5,808	
13	Kandy	4,797	2,291	85	407	228	1,157	5,211	
14	Colombo	475	252	06	31	41	60	589	
15	Kalutara	146	59	Nil	11	06	18	170	
16	Amparai	2,083	1,210	32	423	333	593	1,912	
17	Gampaha	5,459	3,535	77	542	466	493	7,416	
18	Nuwara Eliya	613	308	09	87	33	158	634	
19	Moneragala	5,452	2,476	84	876	500	625	5,843	
Total				1,200	14,110	11,530	17,487	82,937	

From Administration Report of AMC, 1983.

Appendix 11 AGE DISTRIBUTION OF *P. FALCIPARUM* CASES BY HEALTH DIVISIONS
(JANUARY - DECEMBER, 1983)

Serial No.	Health Divisions	Total <i>P. falciparum</i> and Mixed	Under 1 yr 1-5 yrs 6-9 yrs 10-15 yrs Over 15 yrs				
			08	06	08	08	46
01	Jaffna	68	-	06	08	08	46
02	Vavuniya	471	03	49	73	64	282
03	Anuradhapura	1,386	05	154	168	189	870
04	Puttalam	587	04	47	51	94	391
05	Kurunegala	496	05	59	58	64	310
06	Matale	624	07	53	66	81	417
07	Batticaloa	59	-	09	05	11	34
08	Badulla	66	-	03	03	04	56
09	Matara	18	-	-	01	01	16
10	Galle	01	-	-	-	-	01
11	Ratnapura	46	-	01	03	03	39
12	Kegalle	41	-	-	02	04	35
13	Kandy	144	-	04	09	20	111
14	Colombo	06	-	-	-	-	06
15	Kalutara	01	-	-	-	-	01
16	Amparai	10	-	-	-	01	09
17	Gampaha	78	01	09	08	12	48
18	Nuwara Eliya	34	01	03	01	04	25
19	Moneragala	364	03	29	34	38	260
Total			29	426	490	598	2,957

From Administration Report of AMC, 1983.

Appendix 12 A LIST OF ANOPHELINE MOSQUITO SPECIES FOR SRI LANKA

1. *Anopheles aitkenii* James. 1903
2. *An. barbirostris* Van der Wulp. 1884
- 3.* *An. barbumbrosus* Strickland and Choudhury. 1927
4. *An. gigas refutans* Alcock. 1913
5. *An. insulaeflorum* (Swellengrebel & Swellengrebel de Graff).
 1919
6. *An. interruptus* Puri. 1929
- 7.* *An. nigerrimus* Giles. 1900
8. *An. peditaeniatus* (Leicester) 1908
9. *An. reidi* n. sp.
- 10.* *An. aconitus* Donitz. 1902
- 11.* *An. annularis* Van der Wulp. 1884
- 12.* *An. culicifacies* Giles, 1901
13. *An. elegans* (James). 1903
- 14.* *An. jamesii* Theobald. 1901
- 15.* *An. karwari* (James). 1903
16. *An. maculatus maculatus* Theobald. 1901
- 17.* *An. pallidus* Theobald. 1901
18. *An. ramsayi* Covell. 1927
- 19.* *An. subpictus* Grassi. 1899
20. *An. tessellatus* Theobald. 1901
- 21.* *An. vagus vagus* Donitz. 1902
- 22.* *An. varuna* Iyengar. 1924

* Mosquitos have a preference for human blood

From N. Jayasekera & R.V. Chelliah, UNESCO Publication
No. 8, Sri Lanka.

Appendix 13 STATEMENT OF SPRAYING DONE IN HEALTH AREAS WHICH HAD QUARTERLY SPRAYING (1983)

Serial No.	Health Area	Total houses	Average houses (per round)	Average No. of houses sprayed (per round)		Part. Closed	Average No. of houses not sprayed	Malathion used in Kg.
				Comp.	Refused			
01	kilinochchi	3,670	3,670	3,262	254	80	74	1,632.3
02	Vavuniya	26,350	6,582	4,068	1,129	613	772	14,704.1
03	Mulativu	32,106	10,702	7,918	1,824	604	355	17,983
04	Mannar	31,220	7,805	3,786	2,227	1,059	733	13,905
05	Anuradhapura	191,836	47,959	21,826	18,164	2,682	5,286	98,528.7
06	Kekirawa	142,250	35,562	18,804	8,341	3,975	4,442	52,450.3
07	Trincomalee	37,093	12,364	8,415	2,636	776	536	21,433.6
08	Kahatagasdigiliya	112,918	28,229	14,710	7,694	3,719	2,106	49,142.1
09	Puttalam	131,083	32,770	16,755	11,875	1,619	2,521	58,887.7
10	Maho	93,250	31,083	15,614	9,735	2,195	3,539	46,765.2
11	Galgamuwa	69,161	23,053	10,508	8,485	1,899	2,162	32,443.6
12	Mawathagama	44,177	11,044	5,155	3,559	967	1,365	15,347.5
13	Hingurakgoda	140,990	35,247	24,356	4,329	4,176	2,385	74,428
14	Polonnaruwa	135,490	33,872	19,126	9,206	2,712	2,827	61,886.6
15	Dambulla	81,321	20,330	9,439	4,959	3,178	2,754	28,136.4
16	Naula	50,595	12,649	5,404	4,931	1,964	350	24,243.2
17	Valachchenai	27,797	6,949	6,371	265	134	177	13,538.7
18	Moneragala	261,363	65,341	43,992	8,476	6,345	6,526	126,488.4

19	Badulla	24,395	6,099	4,077	1,662	221	138	14,543.5
20	Bandarawela	6,462	1,615	1,226	250	70	70	3,400.3
21	Bibile	172,670	43,167	28,901	8,332	2,799	3,134	80,609.4
22	Hambantota	104,837	26,209	15,659	3,958	2,330	4,261	46,898.1
23	Atakalampanna	129,215	32,304	17,578	5,739	5,449	3,538	154,241
24	Balangoda	17,535	4,384	3,397	566	272	149	9,154.8
25	Rambukkana	24,176	6,044	3,034	2,035	375	599	11,831.4
26	Mawanella	7,695	1,923	761	842	142	179	3,602.5
27	Galigamuwa	12,707	3,177	1,113	1,532	169	369	4,143
28	Warakapola	13,907	3,477	1,327	1,499	316	336	5,813

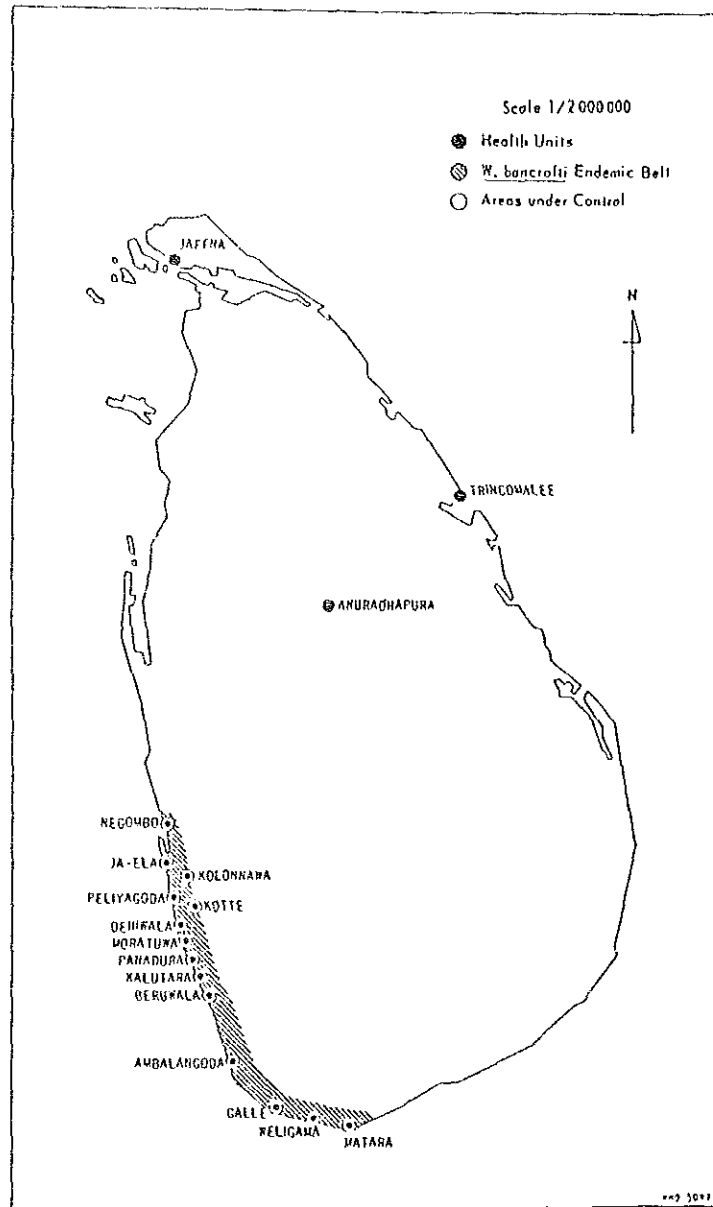
From Administration Report of AMC, 1983.

Appendix 14 MOBILITY AND MORTALITY OF MALARIA

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Indonesia							2411	3792		2708	276	
Morb												
Mort												
(CFR)												
Philippines	776	668	694	766	661	637	813	666	777	682		
Morb												
Mort	18	14	17	21	23	24	23	22	24	25		
(CFR)												
Sri Lanka	3794	1148	1020	1711	2319	2896	2150	1872	4872	330.2	3273	3171
Morb												
Mort	01	0.06	0.03	0.02	0.02	0.04	0.01	0.01				
(CFR)												
Thailand			262	810	1100	1239	1221	1475	1569	1642	2618	3442
Morb												
Mort							115	109	102	82	81	86
(CFR)												
Bangladesh							64	38	44	66	78	51
Morb												

FILARIASIS

Appendix 15 HEALTH UNITS AND AREA OF ENDEMIC *W. BANCROFTI* IN SRI LANKA



From M.H.M. Abdulcader, WHO Bull., 37, 1967.

Appendix 16 EXAMINATION OF BLOOD FILMS, RATE (%) OF MICROFILARIA CASES
IN 1981 AND 1983

M.O.H. Area	Place	1981			1983		
		NO. OF Blood Films Examined	NO. Posi- tive	M. F. Rate (%)	NO. OF Blood Films Examined	NO. Posi- tive	M. F. Rate (%)
<u>Colombo Unit</u>							
Dehiwala	Dehiwala (M.C.)	86,034	352	0.4	88,431	470	0.5
Kotte	Kotte (U.C.)	69,930	224	0.3	55,371	247	0.4
	Maharagama	9,654	11	0.1	5,237	26	0.5
	Godigamuwa	9,408	30	0.3	4,715	17	0.4
	Jambugasnulla	10,897	13	0.1	10,193	12	0.1
	Boralesgamuwa	10,988	45	0.4	8,991	14	0.2
	Pannipitiya	11,193	04	0.03	9,229	14	0.2
	Udahamulla	30,265	69	0.3	24,965	48	0.2
Homagama	Homagama		06	0.06	8,956	02	0.02
	Battaramulla	6,828	24	0.35	10,227	31	0.3
	Talangama	5,557	03	0.06	518	-	-
	Kalapaluwawa	7,621	?	0.3	5,938	46	0.8
	Hokandara	9,080	05	0.05	8,678	02	0.02
Kolonnawa	Kolonnawa (U.C.)	25,167	113	0.5	20,706	227	1.1
	Mulleriyawa	8,396	15	0.2	8,716	19	0.2
	Buthgamuwa	9,023	08	0.08	10,775	36	0.3
	Gothatuwa	5,339	40	0.6	7,185	86	1.2
	Kotuwila	10,229	79	0.8	5,357	19	0.4

Kelaniya	18,208	85	0.5	10,643	77	0.7
Dalugama	6,056	15	0.2	9,223	48	0.5
Kadawatha	12,031	31	0.3	18,664	39	0.2
Mahara	9,142	22	0.2	9,787	20	0.2
Hunupitiya	11,140	67	0.6	10,850	52	0.5
Biyagama	10,863	23	0.2	8,894	28	0.3
Makola	10,291	04	0.03	10,627	10	0.1
Ja-Ela (U.C.)	22,363	10	0.04	19,741	05	0.02
Kandana (T.C.)	28,181	66	0.2	19,895	35	0.2
Wattala (U.C.)	21,829	89	0.4	16,699	65	0.4
Peliyagoda (U.C.)	14,202	191	1.3	16,036	300	1.9
Hendala (T.C.)	19,801	38	0.2	18,123	27	0.2
Ragama (T.C.)	9,015	04	0.04	6,799	02	0.2
Negombo (M.C.)	41,978	53	0.1	41,237	59	0.1
Seeduwa (U.C.)	7,872	06	0.07	7,866	09	0.1
Gampaha (U.C.)	12,522	49	0.4	7,837	17	0.2
Bopitiya				5,774	08	0.1
Veyangoda	3,450	13	0.4	5,455	20	0.4
Polgahawela (U.C.)	10,109	39	0.4	11,115	43	0.4
Kurunegala (M.C.)	9,297	48	0.5	11,250	82	0.7
Chilaw (U.C.)	10,892	13	0.1	7,809	16	0.2

Kalutara Unit.

Moratuwa	40,631	34	0.08	60,249	37	0.06
Alwawala	11,358	-	-	8,100	02	0.02
Katuwawala	11,523	27	0.23	10,047	17	0.17

(Contd---I)

M.O.H Area	Place	1981			1983		
		No. Of Blood Films Examined	No. Posi- tive	M. F. Rate (%)	No. Of Blood Films Examined	No. Posi- tive	M. F. Rate (%)
Panadura	Piliyandala	2,603	-	-	10,329	06	0.06
	Wewala	10,411	02	0.02	10,804	09	0.08
	Panadura (U.C.)	22,810	27	0.12	22,116	27	0.12
	Alubomulla	11,351	06	0.05	10,610	01	0.01
	Hirana	12,519	07	0.05	10,993	07	0.06
	Kehelwatte	20,159	24	0.12	22,435	32	0.14
	Pothupitiya	6,183	07	0.11	6,620	01	0.01
	Wadduwa	9,975	04	0.04	10,331	04	0.03
	Kaludawela	-	-	-	6,909	03	0.04
	Kalutara (U.C.)	5,835	-	-	11,043	11	0.09
Kalutara	Alutgama	11,221	11	0.098	9,177	02	0.01
	Beruwala	5,192	02	0.038	10,466	07	0.06
	Maha Waskaduwa	11,749	04	0.034	10,891	03	0.02
	Heenatiyangala	10,475	16	0.15	7,517	09	0.11
	Maggona	8,209	02	0.02	-	-	-
	Kalamulla	-	-	-	7,010	05	0.07
	Paiyagala	12,870	01	0.007	9,817	-	-
	Walatara	9,62-	03	0.031	11,037	02	0.02

Induruwa	12,119	12	0.09	9,538	03	0.03
Bentota	1,060	01	0.09	2,515	01	0.04
Haburugala	11,154	-	-	10,348	04	0.03
Hegala	11,028	20	0.18	11,509	10	0.08
Wellaboda	8,363	16	0.19	7,234	16	0.22
Ambalangoda	9,628	07	0.07	9,845	10	0.1
Alutwala	9,621	05	0.05	10,187	19	0.18
Arachchikanda	11,205	13	0.12	9,906	09	0.09
Balapitiya	9,510	32	0.33	10,863	14	0.13
Batapola	11,047	16	0.14	10,343	05	0.05
Boossa	16,431	04	0.024	10,883	11	0.1
Dodanduwa	11,042	04	0.036	10,888	10	0.09
Hikkaduwa	11,137	17	0.15	11,050	26	0.26
Ratgama	11,643	04	0.03	4,902	03	0.06
Watugedera	17,133	07	0.04	10,744	19	0.17
Madampe	10,429	11	0.11	11,027	12	0.1
Weragoda	16,224	07	0.06	11,169	13	0.11
<u>Matara Unit</u>						
Galle (M.C.)	30,372	182	0.59	31,179	150	0.48
Walagabdywa	10,914	53	0.48	11,334	24	0.21
Uluwitike	10,720	30	0.28	10,324	11	0.106
Hapugala	3,921	10	0.304	-	-	-
Labuduwa	10,704	12	0.102	10,725	04	0.3
Unawatuna	7,666	20	0.26	7,146	32	0.4
Wanchawala	10,885	64	0.05	9,787	10	0.102
Kataluwa	-	-	-	-	-	-

(Contd---2)

1981

1983

M.O.H. Area	Place	1981			1983		
		No. of Blood Films Examined	No. of Positive	M. F. Rate (%)	No. of Blood Films Examined	No. of Positive	M. F. Rate (%)
Weligama	Dikkumbura	8,499	13	0.15	-	-	-
	Habaraduwa	9,099	36	0.34	10,713	20	0.18
	Ahangama	11,618	27	0.23	10,266	12	0.11
	Weligama (U.C.)	12,771	22	0.17	17,876	43	0.24
	Midigama	10,901	31	0.28	11,324	04	0.03
	Mudugamuwa	9,606	12	0.12	9,868	04	0.04
	Mirissa	3,293	25	0.27	7,470	10	0.13
	Kamburugamuwa	7,437	32	0.42	4,734	17	0.35
	Denipitiya	6,459	12	0.18	7,139	02	0.02
	Matara (U.C.)	30,023	215	0.72	27,791	196	0.705
Matara	Kotuwila	9,734	26	0.27	10,521	17	0.16
	Walgama	10,915	97	0.89	9,606	86	0.89
	Hittatiya	10,851	27	0.24	10,939	06	0.05
	Talpawila	10,493	29	0.27	11,157	05	0.04
	Kekanadura	7,318	09	0.105	10,909	03	0.02
	Talalla	10,427	10	0.09	10,101	04	0.03
	Dickwella	9,720	03	0.05	9,853	03	0.03
	Urugamuwa	10,797	18	0.16	10,699	05	0.04
	Bambarenda	11,053	35	0.31	11,342	07	0.06
	Devinuwara	10,130	02	0.01	9,581	02	0.02

Kamburupitiya	Thihagoda (Spl.)	2,219	05	0.22	8,810	08	0.09
	Kirinda	7,020	03	0.04	10,917	37	0.33
Tangalla	Tangalla	10,407	31	0.29	10,905	17	0.15
	Beliatta	10,418	18	0.17	11,025	36	0.32
Walasmulla	Walasmulla	9,683	16	0.16	6,553	-	-
Hambantota	Hambantota	7,848	04	0.05	8,002	04	0.04
	Ambalantota	11,609	34	0.29	10,756	03	0.02
	Hungama	9,123	04	0.04	9,547	01	0.01
	Tissa	7,155	06	0.08	10,937	03	0.02
Total		1,407,420	3,460	0.24	1,377,794	3,433	0.25

From Administration Report of AFC, 1981 1983

Appendix 17 BLOOD FILM SURVEYS OUTSIDE 'ENDEMIC BELT' OF FILARIASIS IN 1981

Serial No.	Place of Survey	No. Blood Films	No. Positives
01	P. H. I. Division, Kataragama	3,298	9
02	Kankesanthurai	431	-
03	Panagoda Homagama	254	-
04	District Hospital, Horana	172	-
05	Base Hospital, Kegalle	305	-
06	District Hospital, Warakapola	132	-
07	District Hospital, Wathupitiwela	234	-
08	Base Hospital, Vavuniya	107	-
09	Base Hospital, Tellipallai	182	-
10	District Hospital, Avissawella	297	-
11	District Hospital, Karawanella	154	-
12	General Hospital, Jaffna	442	-
13	General Hospital, Anuradhapura	643	2
14	General Hospital, Ratnapura	614	-
Total		7,235	11

From Administration Report of AFC, 1981

Appendix 18 MICROFILARIAL RATES IN DIFFERENT AREAS OF SRI LANKA
 IN 1949 AND 1963

Anti-Filariasis Campaign Station	Microfilarial rate (%)	
	1949	1963
Beruwala	12.2	2.5
Matara	11.0	3.5
Dehiwala-Mt Lavinia	7.5	3.2
Peliyagoda	6.7	2.9
Kotte	6.5	4.5

From M.H.M. Abdulkader, Bull. W.H.O., 37, 1967.

Appendix 19 RESULTS OF BLOOD FILMS EXAMINATION FROM 1976 TO 1983

Year	No. of Blood Films Examined	No. Positive	Microfilaria Rates (%)
1976	1,636,255	4,352	0.26
1977	1,431,154	2,995	0.21
1978	1,500,552	3,831	0.21
1979	1,477,532	4,329	0.29
1980	1,378,957	4,438	0.32
1981	1,425,443	3,483	0.24
1982	1,379,889	3,966	0.29
1983	1,389,043	3,464	0.25

From Administration Report of AFC, 1981 and 1983

Appendix 20 Incidence of microfilaremia among persons by age and sex
in 1960

Age-group (Years)	Males		Females	
	No. of Films Taken	% Positive	No. of Films Taken	% Positive
0-9	1,290	1.86	1,243	1.93
10-19	2,085	3.60	1,943	3.81
20-29	1,200	3.85	1,318	3.03
30-39	886	5.08	1,032	2.33
40-49	631	4.28	690	3.19
50-59	397	5.54	434	2.30
60-69	261	4.60	206	4.37
70 and over	88	2.27	84	1.19
All ages	6,838	3.70	6,950	2.93

From M.H.M. Abdulcader & R. Padley, Indian J. of Malariaology, 14, 1960.

Appendix 21 NUMBERS OF MOSQUITO LARVAE OF DIFFERENT SPECIES COLLECTED FROM BREEDING SITES IN CONTROLLED AREAS IN THE PERIOD 1962-1968

Breeding site	<i>C. p. fatigans</i>		<i>C. gelidus</i>		<i>C. tritaenio thynchus</i>		<i>Ae. aegypti</i>		<i>Ae. albopictus</i>		<i>Armigeres</i>		Other		Total	
	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%
busk pits	3 484	21.3	782	45.7	107	5.6	9	.4	73	.6	1 889	6.3	85	5.4	6 429	9.8
discarded receptacles	4 666	28.4	113	6.7	416	22.0	1 653	75.3	9 419	77.8	10 342	35.0	408	25.9	27 017	41.3
frenches, burrow pits	1 677	10.0	380	22.3	546	29.0	15	.7	148	1.6	344	1.1	312	19.8	3 472	5.3
fanks	692	4.2	14	.8	75	4.0	158	7.2	442	3.6	327	1.0	69	4.4	1 777	2.7
catch pits	1 603	9.7	20	1.1	42	2.2	29	1.3	175	1.4	5 420	18.1	95	6.0	7 384	11.2
drains	2 052	12.4	90	5.3	223	11.8	41	1.8	189	1.5	653	2.2	64	4.0	3 312	5.0
boats	164	1.0	0	0	0	0	7	.3	49	.4	3	.01	5	.3	228	.3
arecanut pots	780	4.8	39	2.3	105	5.4	107	4.8	498	4.3	5 816	19.4	56	3.5	7 401	11.3
wells	222	1.3	13	.8	37	1.9	7	.3	16	.1	16	.08	28	1.8	339	.5
unused wells	58	.3	5	.03	11	.6	4	.2	18	.1	12	.04	0	0	108	.2
spent nuts	161	1.0	0	0	28	1.5	26	1.2	508	4.2	3 417	11.4	11	.7	4 151	6.3
free holes, plants	161	1.0	36	2.1	21	1.1	88	4.0	292	2.5	559	1.8	42	2.7	1 199	1.8
swamps	567	3.5	205	12.0	236	12.5	32	1.4	163	1.3	1 068	3.5	183	11.6	2 454	3.7
crab holes	6	.03	0	0	37	1.9	16	.7	6	.05	0	0	9	.5	74	.1
others	19	.1	14	.8	6	.3	9	.4	82	.7	73	.2	210	13.4	413	.6
total	16 312		1 711		1 890		2 201		12 128		29 939		1 577		65 758	
% of total larvae	24.8		2.6		2.9		3.2		18.4		45.5		2.4			

From F.L. Lambrecht, Bull. W.H.O. 51, 1974.

Appendix 22 NUMBERS OF MOSQUITO LARVAE OF DIFFERENT SPECIES COLLECTED FROM BREEDING SITES IN UNCONTROLLED AREAS IN THE PERIOD 1962-1968

Breeding site	<i>C. p. fatigans</i>		<i>C. gelidus</i>		<i>C. tritaenico rhyachus</i>		<i>Ae. aegypti</i>		<i>Ae. albopictus</i>		<i>Armigeres</i>		<i>Others</i>		<i>Total</i>	
	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%
husk pits	69	4.7	148	41.6	55	8.2	0	236	11.6	252	5.7	209	27.5	969	9.5	
discarded receptacles	531	36.4	56	15.9	70	10.5	84	74.4	1 251	61.5	1 680	35.1	51	6.7	3 723	36.7
trenches, burrow pits	166	11.3	81	22.9	324	48.4	0	106	5.2	104	2.8	69	9.0	850	8.3	
tanks	0		0		9	1.3	6	5.3	109	5.3	16	.3	4	.5	144	1.4
catch pits	113	7.7	17	4.9	9	1.3	0	60	2.9	196	4.0	8	1.1	403	4.0	
drains	87	5.9	13	3.7	54	8.0	18	15.9	10	.5	35	.7	8	1.1	225	2.2
boats	0		0		0		0	0	0		0		0		0	
arecanut pots	314	21.5	7	2.0	41	6.0	0	52	2.5	1 441	30.1	4	.5	1 859	18.3	
wells	16	1.1	0		25	3.7	0	0	0	0	0	0	0	41	.4	
unused wells	0		0		0		0	0	0	0	0	0	1	.1	1	.0?
Spent nuts	75	5.1	0		36	5.4	0	92	4.5	957	20.0	0	0	1 160	11.5	
tree holes, plants	0		2	.5	0		5	4.4	65	3.2	69	1.2	4	.5	145	1.4
swamps	49	3.3	33	8.4	32	4.8	0	28	1.3	2	.004	59	7.2	203	2.0	
crab holes	0		0		0		0	0	0	0	0	0	0	0	0	
others	43	2.8	0		16	2.4	0	31	1.5	2	.004	351	45.6	443	4.3	
total	1 463		357		671		113		2 040		4 754		768		10 166	
% of total larvae	14.4		3.5		6.6		1.0		20.0		46.8		7.6			

From F.L. Lambrecht, Bull. W.H.O. 51, 1974

Appendix 23 INFECTION RATE AND INFECTIVITY RATES OF *C. QUINQUEFASCIATUS*, 1983

Total No. of mosquitoes collected	32,572
Total No. of <i>C. quinquefasciatus</i> collected	24,270
Total No. of <i>C. quinquefasciatus</i> dissected	17,352
Total No. of mosquitoes spoilt	7,796
Total No. of infections	162
Total No. of infectives	31
Infection rate (%)	0.93
Infective rate (%)	0.18

From Administration Report of AFC, 1983

Appendix 24 INFECTION RATES OF *C. QUINQUEFASCIATUS* IN MATARA, 1978-1983

Year	1978	1979	1980	1981	1982	1983
Infection rate (%)	1.13	1.59	1.45	1.04	1.05	6.84

From Administration Report of AFC, 1983

Appendix 25 ENTOMOLOGICAL SURVEY IN DIFFERENT AREAS IN 1981

Name of Section	No. of Dwellings		Exd.	Pos.	% Positive	Catch per man hr.	No. Identified		No. dissected		No. Infected	No. Infected	Infection Rate %	Infective Rate %
							C. quin.	Oth.	C. quin.	Oth.				
Matara	2097	907			43.25	26.06	4766	159	3375	94	35	18	1.04	0.53
Weligame	525	206			39.24	25.80	1146	51	805	30	14	08	1.74	0.99
Galle	2416	697			28.85	25.56	4368	115	3178	68	29	08	0.91	0.28
Ambalangoda	146	32			21.92	9.49	88	06	62	02	01	01	1.61	1.61
Balapitiya	85	17			20.0	16.59	106	-	86	-	03	01	3.49	1.16
Kalutara	1996	1368			72.53	24.55	4973	191	3655	105	23	07	0.63	0.19
Beruwala	206	158			76.70	19.14	428	14	292	06	01	01	0.34	0.34
Keselwatte	191	144			75.39	23.44	470	04	370	02	-	-	-	-
Panadura	175	125			71.43	30.40	496	27	363	11	02	01	0.55	0.28
Moratuwa	191	141			73.82	26.26	501	26	360	25	01	-	1.39	-
Dehiwala	2276	1876			73.82	41.81	10152	403	6899	202	55	20	0.80	0.29
Kotte-Nugegoda	465	394			84.73	39.58	2001	78	1390	44	11	04	0.79	0.29
Kolonnawa	361	293			81.16	27.06	1089	58	752	41	06	03	0.80	0.40
Peliyagoda	363	310			85.40	37.55	1426	86	1006	46	12	05	1.19	0.50
Negombo *	677	325			48.01	23.54	1671	101	973	34	04	02	0.41	0.21
Kandana *	91	43			47.25	10.94	118	07	82	06	-	-	-	-
Wattala *	45	27			60.0	25.04	156	07	63	04	-	-	-	-
Total	12196	7063			57.91	25.46	33955	1333	23719	720	197	80	0.83	0.34

IN UNCONTROLLED AREAS - 1981														
Name of Section	No. of Dwellings		Exd.	Pos.	% Positive	Catch per man hr.	No. Identified		No. dissected		No. Infected	No. Infected	Infection Rate %	Infective Rate %
							C. quin.	Oth.	C. quin.	Oth.				
Kottegoda	285	90			31.58	13.36	320	08	230	08	04	01	1.74	0.43
Unawatuna	240	64			26.67	28.47	459	16	345	06	01	-	0.29	-
Ja-Ela *	95	46			48.42	15.81	109	16	66	10	-	-	-	-
Hendala *	75	33			44.0	27.75	150	05	83	03	-	-	-	-
Total	695	233			33.53	21.35	1038	45	724	27	05	01	0.69	0.14

* 1st and 2nd Quarter only.

From Administration Report of A.F.C., 1981

Appendix 26 ENTOMOLOGICAL SURVEY IN DIFFERENT AREAS IN 1983

Name of Section	No. of dwellings Exd.	No. of dwellings Pos.	% Pos.	Total No. of mosqs. collected	Catch per man hour.	No. Identified		C. quin.	Oth.	C. quin.	Oth.	No. dissected	No. Infected	No. Infve	Infctd. Rate %	Infv. Rate %
						C. quin.	Oth.									
Matara	2304	795	34.51	3445	17.08	3120	193	90.57	193	90.57	2198	146	15	05	6.84	0.23
Meligama	605	224	37.02	1162	19.20	1057	62	94.04	62	94.04	684	39	06	02	0.88	0.29
Dickwella	210	58	27.68	277	15.15	222	35	82.22	35	82.22	168	16	01	01	0.60	0.60
Kamburugamuwa	105	38	20.54	135	8.32	115	16	85.19	16	85.19	77	13	-	-	-	-
Galle	2827	709	25.08	4578	24.83	3208	21	70.07	21	70.07	2678	16	26	11	0.97	0.41
Ahangama	194	61	31.44	227	16.56	149	-	68.67	-	68.67	2678	-	-	-	-	-
Ambalangoda	456	103	22.59	599	19.39	365	01	60.93	01	60.93	304	01	03	01	0.99	0.33
Balapitiya	174	45	25.86	247	20.48	206	01	83.40	01	83.40	184	01	03	-	1.63	-
Babaraduwa	88	21	23.86	138	23.27	59	-	42.75	-	42.75	53	-	-	-	-	-
Hikkaduwa	66	18	27.27	95	21.59	88	-	92.63	-	92.63	77	-	01	-	1.30	-
Kalutara	1283	847	66.02	3074	25.77	2269	18	73.81	18	73.81	1719	04	22	02	1.28	0.12
Beruwala	198	130	85.66	446	22.95	328	16	73.54	16	73.54	227	16	04	-	1.76	-
Keselwatte	141	101	71.63	427	41.99	257	-	60.19	-	60.19	184	-	01	-	0.54	-
Panadura	188	119	63.30	462	25.52	371	01	80.30	01	80.30	270	01	04	01	1.48	0.37
Moratara	122	81	66.39	329	27.93	286	-	86.93	-	86.93	190	-	03	01	1.58	0.53
Bentota	158	103	65.19	335	21.27	263	-	78.51	-	78.51	199	-	03	01	1.51	0.50
Aluthgama	195	132	67.69	539	27.94	338	-	62.71	-	62.71	249	-	02	-	0.80	-
Dohiwala	353	1063	78.57	5433	34.89	3904	33	71.86	33	71.86	2429	14	18	01	0.74	0.04
Kotte/Nugegoda	561	414	73.89	2001	30.03	1432	98	71.56	98	71.56	852	08	14	01	1.64	0.12
Kolonnawa	589	439	74.53	2078	30.39	1414	27	68.05	27	68.05	944	25	02	-	0.21	-
Negombo	731	421	57.59	2434	43.46	1553	03	63.80	03	63.80	1152	03	07	01	0.61	0.09
Ja-Ela	107	47	43.93	281	36.49	219	-	77.94	-	77.94	147	-	-	-	-	-
Kandana	148	79	53.39	301	33.26	225	09	74.75	09	74.75	186	02	-	-	-	-
Hondala	316	175	55.38	601	36.86	638	26	79.65	26	79.65	473	26	04	01	0.85	0.21
Wattala	347	162	46.69	821	30.63	684	24	83.31	24	83.31	455	24	04	01	0.88	0.22
Peliyagoda	554	376	67.87	1907	45.16	1500	12	78.66	12	78.66	1135	13	19	01	1.67	0.09
				32572		24270	506				17352	368	162	31		

From Administration Report of AFC, 1983

Appendix 27 NATURAL INFECTION RATES OF *C. QUINQUEFASCIATUS* IN DIFFERENT AREAS OF SRI LANKA, 1949-1962

Station	Natural infection rates (%) in																		
	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962					
	Controlled areas																		
Matara	24.1	11.2	13.3	11.3	12.0	12.8	12.3	10.3	7.5	4.6	3.7	2.7	2.4	1.9					
Dehiwala-Mt Lavinia	13.4	10.6	9.9	7.1	7.1	8.3	8.3	7.3	4.2	2.2	1.6	2.8	3.2	1.0					
Kotte	12.4	9.2	9.6	5.4	6.7	7.9	7.1	2.7	3.5	2.3	3.2	3.9	1.9	1.4					
Peliyagoda	-	-	-	30.9	12.7	3.8	15.8	12.6	3.5	2.2	3.6	2.1	1.4	3.3					
Negombo	Not worked untill 1957													2.5	1.6	2.6	1.7	1.5	0.7
	Uncontrolled areas																		
Hunupitiya	-	-	-	-	10.1	14.9	3.1	15.5	1.4	2.6	11.8	-	-	-					
Kelaniya	-	-	-	4.9	2.3	4.5	2.1	11.2	1.8	1.1	6.7	4.7	-	-					
Dalugama	-	-	-	7.8	-	3.2	9.0	2.9	2.9	1.9	5.2	-	-	-					
Mirissa	-	-	-	-	-	-	4.3	11.6	3.0	2.2	1.5	3.1	-	-					

From M.H.M. Abdulcader, Bull. W.H.O, 37, 1967.

Appendix 28 EXPECTED PERCENTAGE REDUCTION OF MOSQUITO SPECIES AS A RESULT OF TREATMENT
OR ELIMINATION OF SPECIFIC GROUPS OF BREEDING SITES IN UNCONTROLLED ZONES

	<i>C. quinquefasciatus</i>	<i>C. gellius</i>	<i>C. tritaeniorhynchus</i>	<i>Ae. aegypti</i>	<i>Ae. albopictus</i>	All species
Larvicidal spraying in catch pits, drains, tanks, boats trenches etc.	27.8	31.5	67.0	21.2	15.4	20.2
Elimination of discarded household receptacles and spent nuts	41.5	15.9	18.3	74.4	66.0	48.2
	69.3*	47.4	85.3	95.6	81.4	68.4
Avoidance of breeding in arecanut pots	21.5	2.0	6.0	0	2.5	18.3
	90.8	49.4	91.3	95.6	83.9	86.7
Prevention of breeding in husk pits	4.7	41.6	8.2	0	11.6	9.5
	95.5	91.0	99.5	95.6	95.5	96.2

From F. L. Lambrecht, Bull. W.H.O., 51, 1974

* The figures in the bottom rows are cumulative percentages.

Appendix 29 RESULTS OF PARASITE CONTROL PROGRAMME IN JA-EIA

Parasite survey	1st round	2nd round	3rd round	4th round
Date started	Feb. 1963	Oct. 1963	July, 1964	Feb. 1965
Available population	5,060	5,100	5,140	4,181
No. blood filmed	4,001	4,263	3,852	4,033
Percent blood filmed	79.0	83.6	74.9	77.8
Number positive	129	43	37	18
Percent positive	3.22	1.01	0.96	0.45
Analysis of positives				
Number positive	129	43	37	18
Number imported	-	1	21	5
Previously absent	-	31	0	0
Previously negative	-	11	16	13
Result of treatment				
Number treated	129	43	37	18
Number positive after 1 month	22	8	6	*
After 6 months	13	1	1	*
After 12 months	5	0	*	*
After 18 months	3	*	*	*

From M.H.M. Abdulcader and Sasa, Jap. J. Exp. Med., 36, 1966.

* examination not yet finished

Appendix 30 NUMBER OF CLINICAL CASES OF FILARIASIS, 1976-1983

Year	Cases with clinical manifestations	New cases
1976	4,352	2,093
1977	2,995	1,315
1978	3,831	1,525
1979	4,329	1,720
1980	4,450	1,504
1981	4,944	1,606
1982	9,673	2,676
1983	11,175	1,622

From Administration Report of AFC, 1983

OTHER PARASITIC
DISEASES

Appendix 31 PREVALENCE OF SOIL TRANSMITTED HELMINTHS IN SRI LANKA

Area	Period	Number Examined	Age Group	Infestation rate (%)			Reference
				General	<i>Ascaris</i>	Hookworm <i>Trichuris</i>	
Sri Lanka	1924-1925	32,507	All ages	-	-	90.5	Sweet W. C. (1928)
Colombo	1953-1955	557	2-19 yrs	73.0	52.4	5.2	Jayewardena L. G. (1957)
Rural	"	804	2-17 yrs	88.3*	49.8	72.5	"
Areas in and around Colombo & Greater Colombo	1946-1952	1,251	All ages	90.8*	49.0	45.0	Sivalingam, V. (1961)
Obeysekera Town	1962	423	0-10 yrs	82.1	48.9	7.6	WHO Diarrhoeal Diseases Team (1967)
Rural village (Horape)	1962	458	0-10 yrs	80.6	46.7	30.1	"
Hindagala Community Health Project Area	1966-1967	5,201	All ages	83.5	64.4	45.2	Fernando M. A. & Balasuriya S. (1976)
Sedawatte (semi-rural)	1982	287	3-20 yrs	-	79.8	55.8	Ismail M. M. & Lionel N.D.W.
Borella (urban)	1982	220	3-20 yrs	-	85.0	23.1	"
						93.6	"

* Includes protozoan infestation.

From M.A. Fernando, & S. Balasuriya, Ceylon Med. J. 22, 1976.

Appendix 32 INCIDENCE OF TRIPICAL EOSINOPHILIA CASES ACCORDING TO AGE,
RACE & SEX, 1962-1963

Age group (years)	Cases	Sex		Race			
		Males	Females	Sinhalese	Tamil	Muslim	Burgher
11 - 20	18	14	4	15	1	1	1
21 - 30	29	28	1	25	1	3	0
31 - 40	13	11	2	11	1	1	0
41 - 50	12	12	0	7	2	3	0
51 - 60	7	6	1	5	1	1	0
61 - 70	2	1	1	2	0	0	0
Total	81	72	9	65	6	9	1

From L.G. Jayewardene, M.M. Ismail & Y. Wijayaratanam, Ceylon J. Sci. Med. Sci, 14, 1965

Appendix 33 THE DISTRIBUTION OF INDIRECT HAEMAGGLUTINATION TEST TITRES
AGAINST TOXOPLASMA GONDII IN THE 734 CORD BLOOD SPECIMENS

Title	No. of specimens	Percentage of total
Negative	520	70.8
1 : 2	22	3.0
1 : 4	07	1.0
1 : 8	13	1.8
1 : 16	12	1.6
1 : 32	38	5.2
1 : 64	25	3.4
1 : 128	30	4.1
1 : 256	22	3.0
1 : 512	11	1.5
1 : 1024	11	1.5
1 : 2048	15	2.0
1 : 4096	07	1.0
1 : 8192	01	0.1

From S. de Silva et al., Ceylon J. Med. Sci., 21, 1872

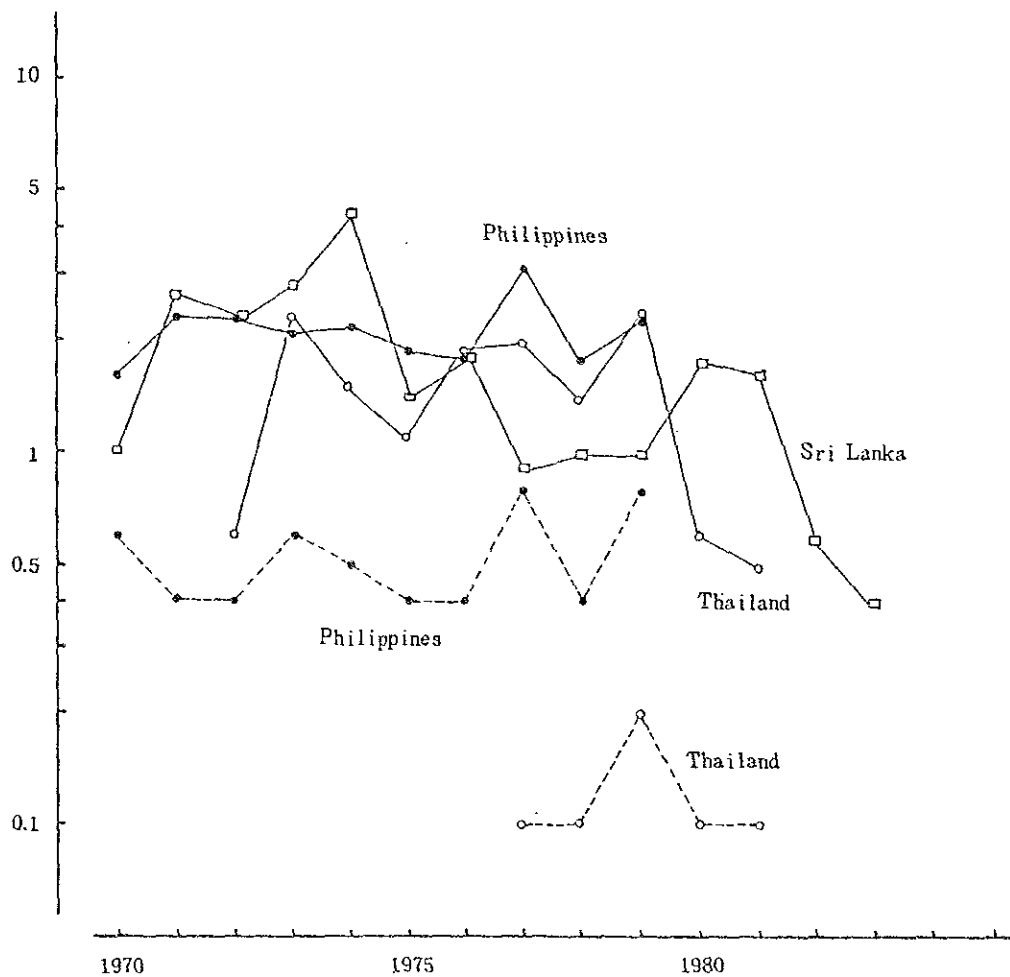
Appendix 34 THE DISTRIBUTION OF ANTIBODY TITRES OF THE INDIRECT HAEMAGGLUTINATION TEST AND THE INDIRECT FLUORESCENT ANTIBODY TEST AGAINST TOXOPLASMA GONDII IN A TOTAL OF 1,069 BLOOD SPECIMENS FROM BLOOD BANK.

Title	IHA		IFA	
	No.	Percent.	No.	Percent.
Negative	641	60.0	463	43.3
1 : 2	19	1.8	121	11.3
1 : 4	25	2.3	105	9.8
1 : 8	26	2.4	79	7.4
1 : 16	32	3.0	52	4.9
1 : 32	71	6.6	73	6.8
1 : 64	75	7.0	84	7.9
1 : 128	96	9.0	58	5.4
1 : 256	38	3.6	21	2.0
1 : 512	24	2.2	8	0.7
1 : 1024	11	1.0	2	0.2
1 : 2048	9	0.8	2	0.2
1 : 4096	-	-	1	0.1
1 : 8192	1	0.1	-	-
1 : 16382	-	-	-	-
1 : 32768	1	0.1	-	-

From C. de S. Kulasiri et al., Ceylon J. Med. Sci., 22, 1973

POLIOMYELITIS

Appendix 35 ANNUAL PATTERN OF POLIOMYELITIS



Appendix 36 MORBIDITY AND MORTALITY OF POLIOMYELITIS

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Indonesia													
Morb		23	23	21	22	19	18	32	18	23			
Mort		04	04	06	05	04	04	08	04	08			
(CFR)	(391)	(193)	(185)	(297)	(213)	(208)	(243)	(246)	(222)	(335)			
Philippines													
Morb	10	26	23	28	44	14	18	09	10	10	18	17	06
Mort													
(CFR)													
Sri Lanka													
Morb			06	23	15	11	19	20	14	24	06	05	06
Mort								01	01	02	01	01	
(CFR)								(50)	(71)	(83)	(167)	(200)	
Thailand													
Morb													
Mort													
(CFR)													

Appendix 37 NEUROLOGICAL PROGNOSIS OF POLIOMYELITIS

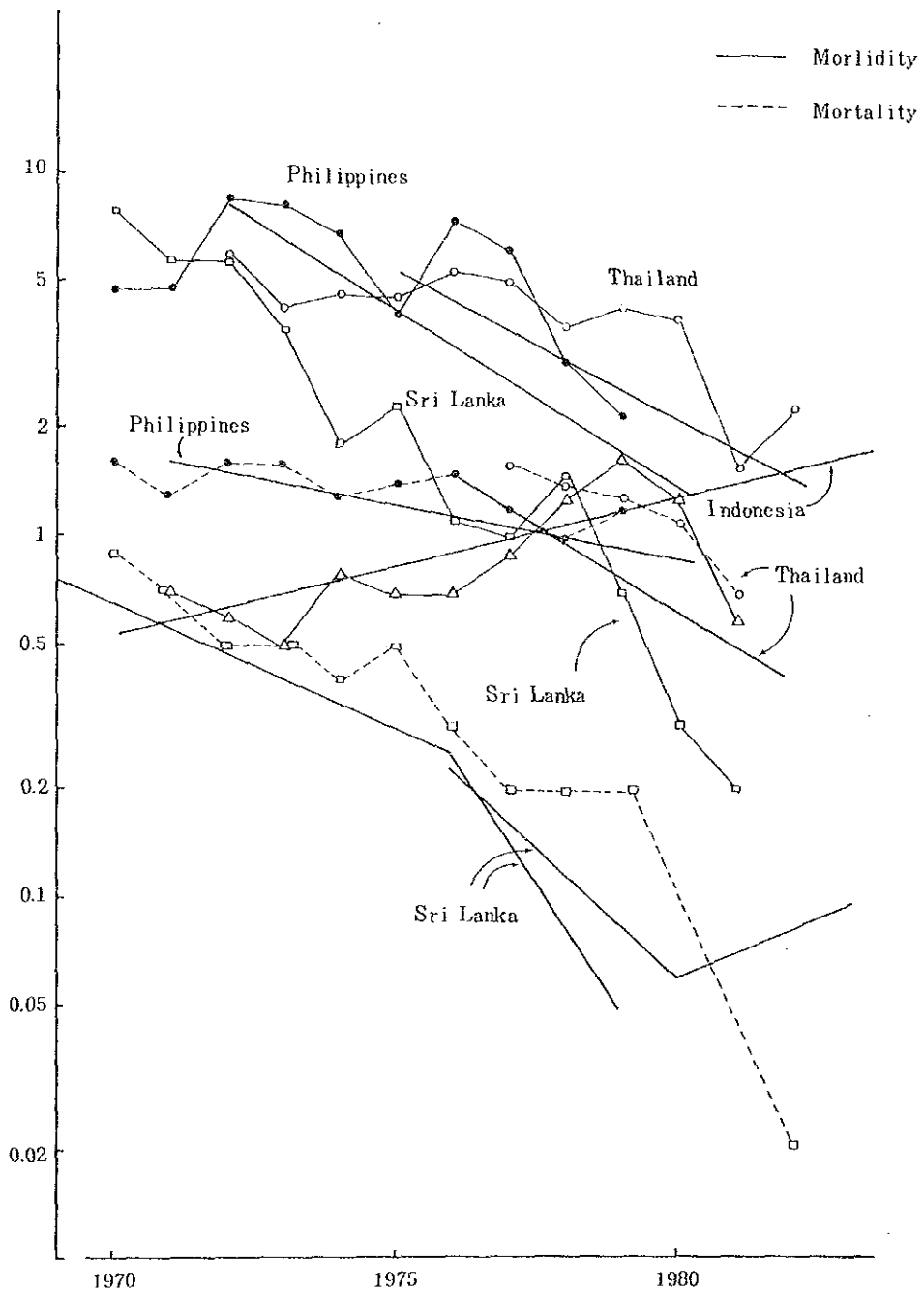
Year	Intact	Mild	Moderat	Severe	Total	Dead	No of patient
1978	12	12	7	5	36	12	153
79	8	25	20	14	67	4	141
80	19	27	37	12	95	31	264
81	10	21	17	4	52	22	254

POSITIVE RATE OF POLIOVIRUS

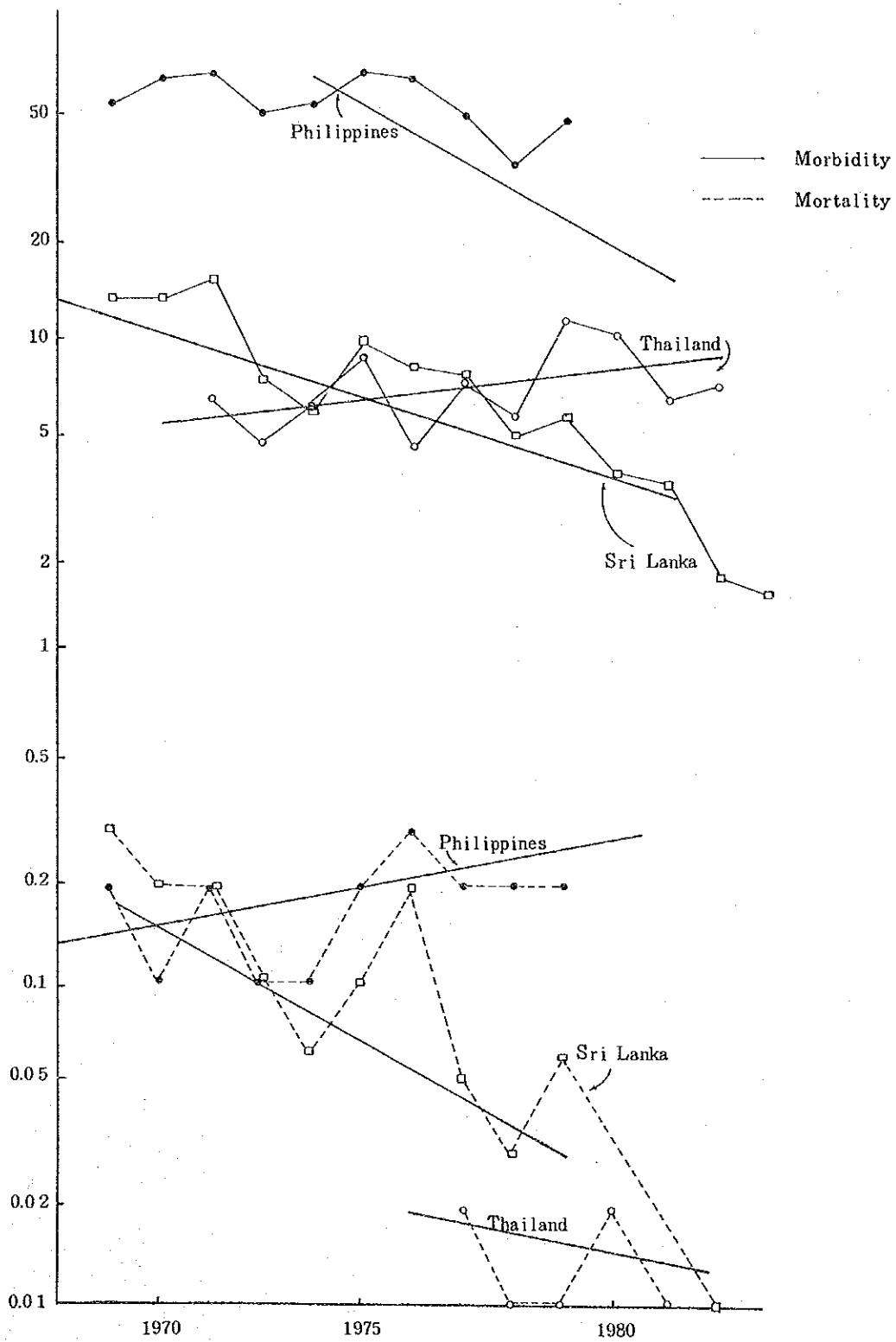
Year	No. of Sample	No. of Positive	Type1	Type2	Type3
1978	53	27	12 (44.4)	13 (48.1)	2 (7.4)
79	51	19	12 (63.2)	6 (31.6)	1 (5.3)
80	114	25	0	2 (8)	23 (92)
81	23	11	9 (81.8)	2 (18.2)	0
82	88	16	6 (37.5)	5 (31.3)	5 (31.3)

DIPHTHERIA WHOOPING COUGH
AND TETANUS

Appendix 38 ANNUAL PATTERN OF DIPHTHERIA



Appendix 39 ANNUAL PATTERN OF WHOOPING COUGH



Appendix 40 DIPHTHERIA

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Indonesia														
Morb		0.7	0.6	0.5	0.8	0.7	0.7	0.9	1.3	1.7	1.3	0.6		
Mort										0.2	0.1	0.07		
(CFR)										(111)	(100)	(121)		
Philippines														
Morb	4.8	4.9	8.6	8.4	7.0	4.2	7.7	6.4	3.1	2.2				
Mort	1.6	1.3	1.6	1.6	1.3	1.4	1.5	1.2	1.0	1.2				
(CFR)	(340)	(269)	(184)	(196)	(180)	(340)	(181)	(195)	(328)	(523)				
Sri Lanka														
Morb	7.9	5.7	5.8	3.7	1.8	2.3	1.1	1.0	1.5	0.7	0.3	0.2	0.15	0.16
Mort	0.9	0.7	0.5	0.5	0.4	0.5	0.3	0.2	0.2	0.2			0.02	
(CFR)	(108)	(118)	(93)	(143)	(206)	(209)	(282)	(240)	(153)	(329)			(136)	
Thailand														
Morb			6.0	4.3	4.7	4.5	5.5	5.2	3.9	4.4	4.1	1.6	2.3	
Mort								1.6	1.4	1.3	1.1	0.7		
(CFR)								(308)	(359)	(295)	(268)	(412)		

WHOOPING COUGH

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Indonesia														
Morb														
Mort														
(CFR)										(CFR from Hospital Report)	(66)	(31)	(47)	
Philippines														
Morb	54.1	63.9	67.4	50.2	53.2	66.4	62.7	47.6	33.5	45.6				
Mort	0.2	0.1	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.3				
(CFR)	(0.3)	(0.2)	(0.2)	(0.2)	(0.3)	(0.3)	(0.4)	(0.5)	(0.5)	(0.7)				
Sri Lanka														
Morb	13.4	13.4	15.0	7.3	5.8	9.7	8.0	7.6	4.9	5.5	3.7	3.4	1.8	1.6
Mort		0.2	0.2	0.1	0.06	0.1	0.2	0.05	0.03	0.06			0.01	
(CFR)		(1.5)	(1.2)	(1.5)	(1.03)	(1.4)	(2.1)	(0.7)	(0.6)	(1.1)			(0.3)	
Thailand														
Morb			6.4	4.7	5.9	7.8	4.6	7.2	5.7	11.1	10.1	6.2	7.0	
Mort								0.02	0.01	0.01	0.02	0.01		
(CFR)								(0.3)	(0.2)	(0.1)	(0.2)	(0.1)		

Appendix 41 OCCURRENCE OF TETANUS CASES

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Indonesia ¹⁾															
Morb	114	114	104	120	112	109	108	108	123	93	62	55	35	22	
Mort	102	101	84	93	90	92	100	94	84	76	26	15	088	061	
(CFR)	(890)	(884)	(807)	(778)	(806)	(840)	(928)	(867)	(684)	(819)	(422)	(276)	(254)	(273)	
									Neonatal Tetanus				(533)	(512)	
Philippines															
Morb	167	230	169	227	262	221	222	169	217	217	108	83	444		
Mort															
(1)															
(CFR)															
Sri Lanka															
Morb			104	99	90	91	88	100	80	82	74	58	49	38	
Mort			23	23	18	18	19	22	20	22	14	13	12	08	
(2)			(221)	(232)	(200)	(198)	(216)	(220)	(250)	(268)	(189)	(224)	(245)	(210)	
(CFR)															
Thailand															
Morb				39	38	37	37	41	45	48	43	39	39		
Mort									097	101	078	064	053		
(CFR)									(216)	(210)	(180)	(163)	(164)		

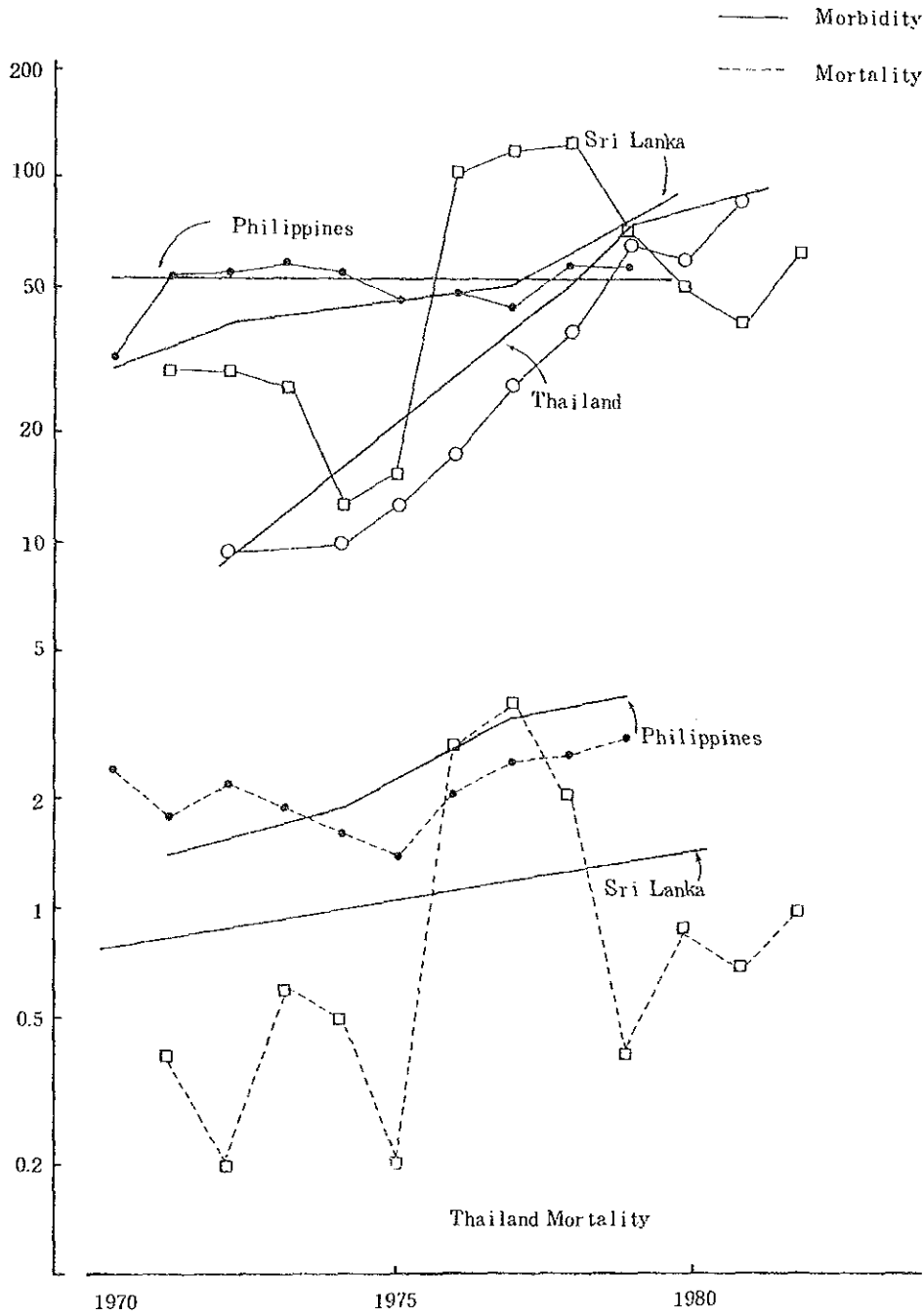
1) Hospital records. Although there are many Outpatients and deaths, no annual morbidity is available.

2) (1) Neonatal tetanus morbidity per 1,000 new born.

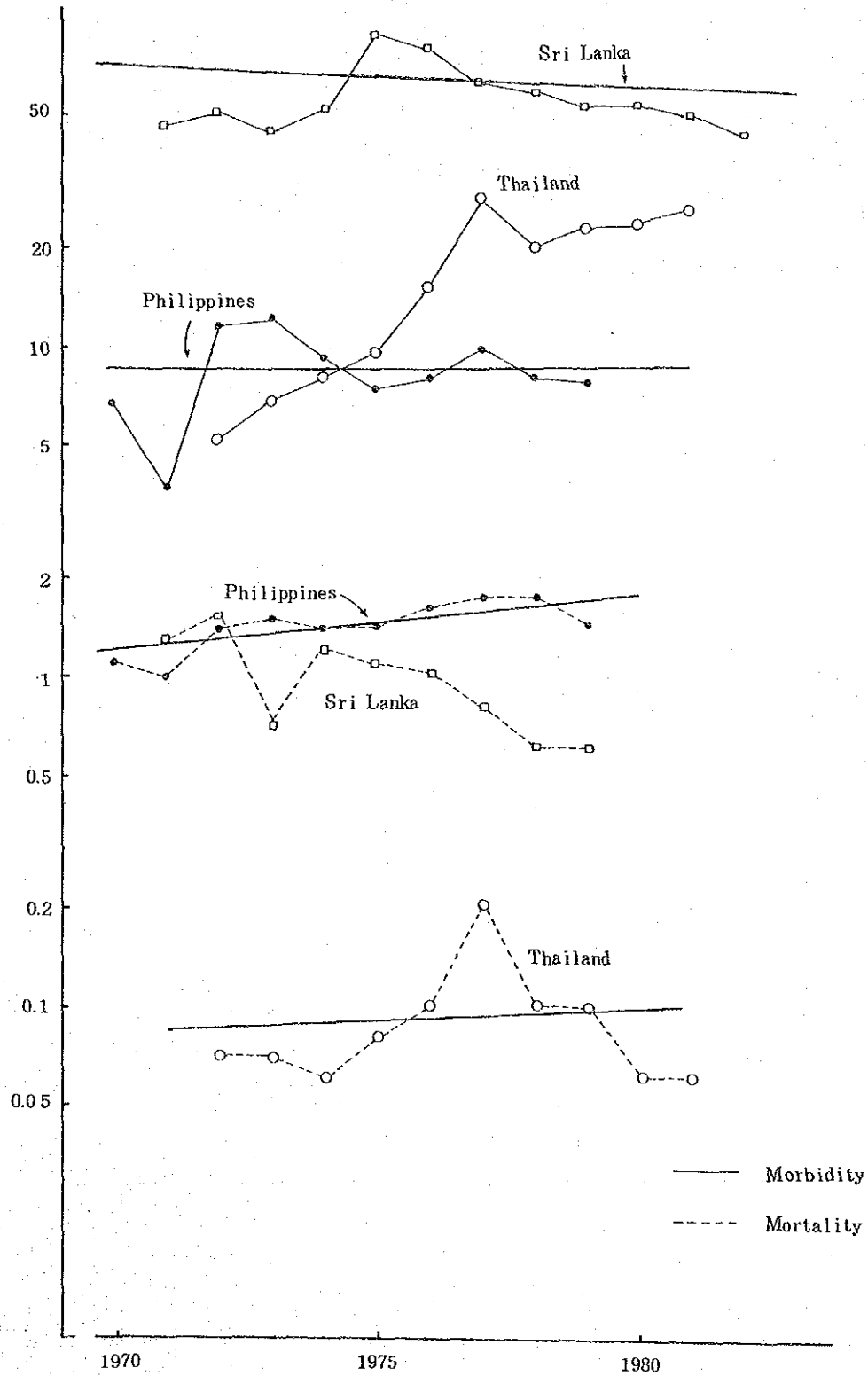
(2) Figures excluding neonatal tetanus per 100,000 Population.

DYSENTERY, ENTERIC FEVER, CHOLERA,
ACUTE DIARRHOEAL
DISEASES AND HEPATITIS

Appendix 42 OCCURRENCE OF DYSENTERY



Appendix 43 OCCURRENCE OF ENTERIC FEVER



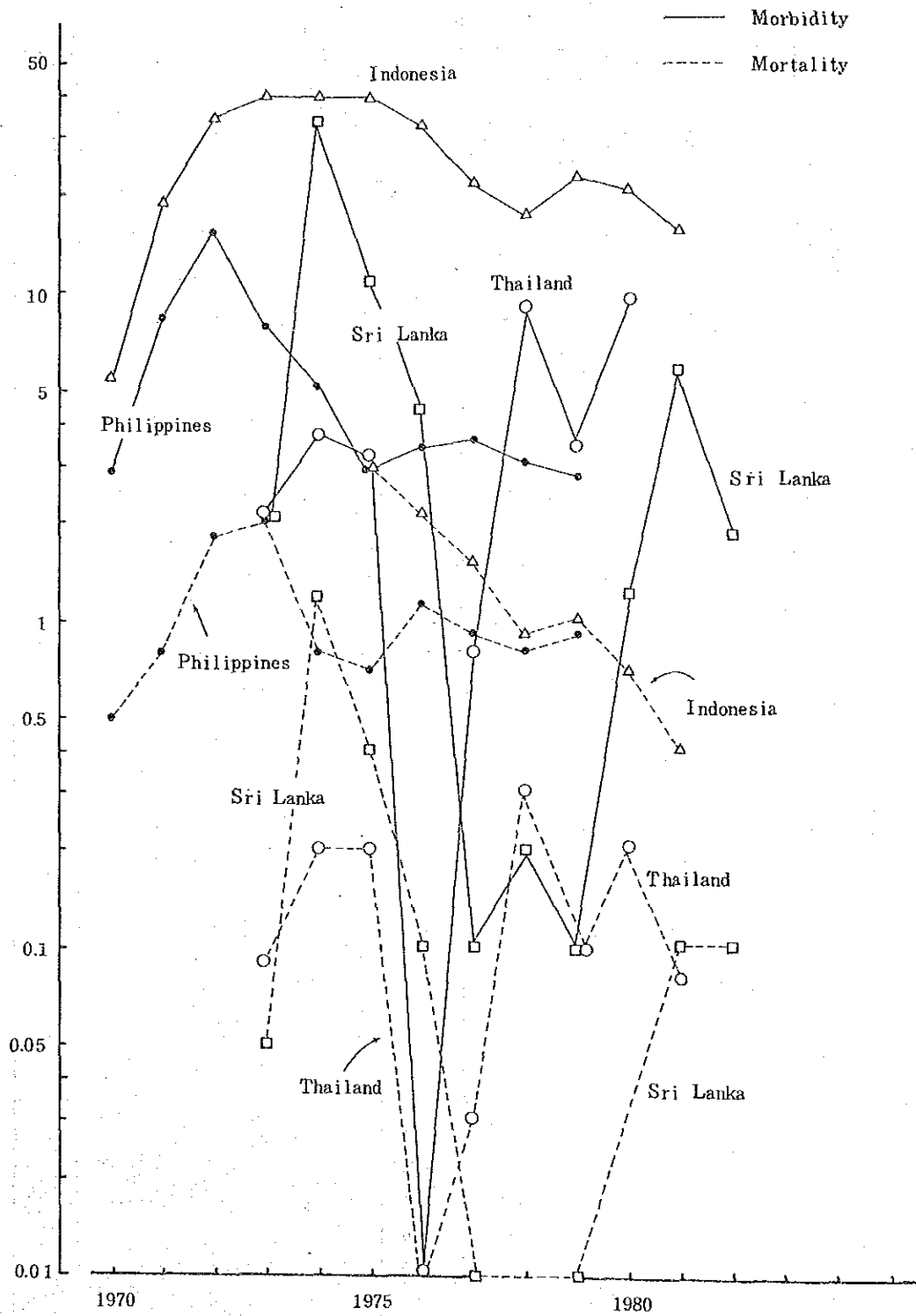
Appendix 44 OCCURRENCE OF DYSENTERY

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Indonesia														
Morb														
Mort														
(CFR)														
Philippines	37.2	32.4	54.4	55.8	59.5	56.8	47.5	50.5	45.9	60.7	60.7			
Morb														
Mort	3.4	2.4	1.8	2.2	1.9	1.6	1.4	2.1	2.6	2.7	3.0			
(CFR)	(9.0)	(7.4)	(3.3)	(4.0)	(3.2)	(2.7)	(2.9)	(4.1)	(5.6)	(4.5)	(4.9)			
Sri Lanka														
Morb														
Mort														
(CFR)														
Thailand														
Morb														
Mort														
(CFR)														

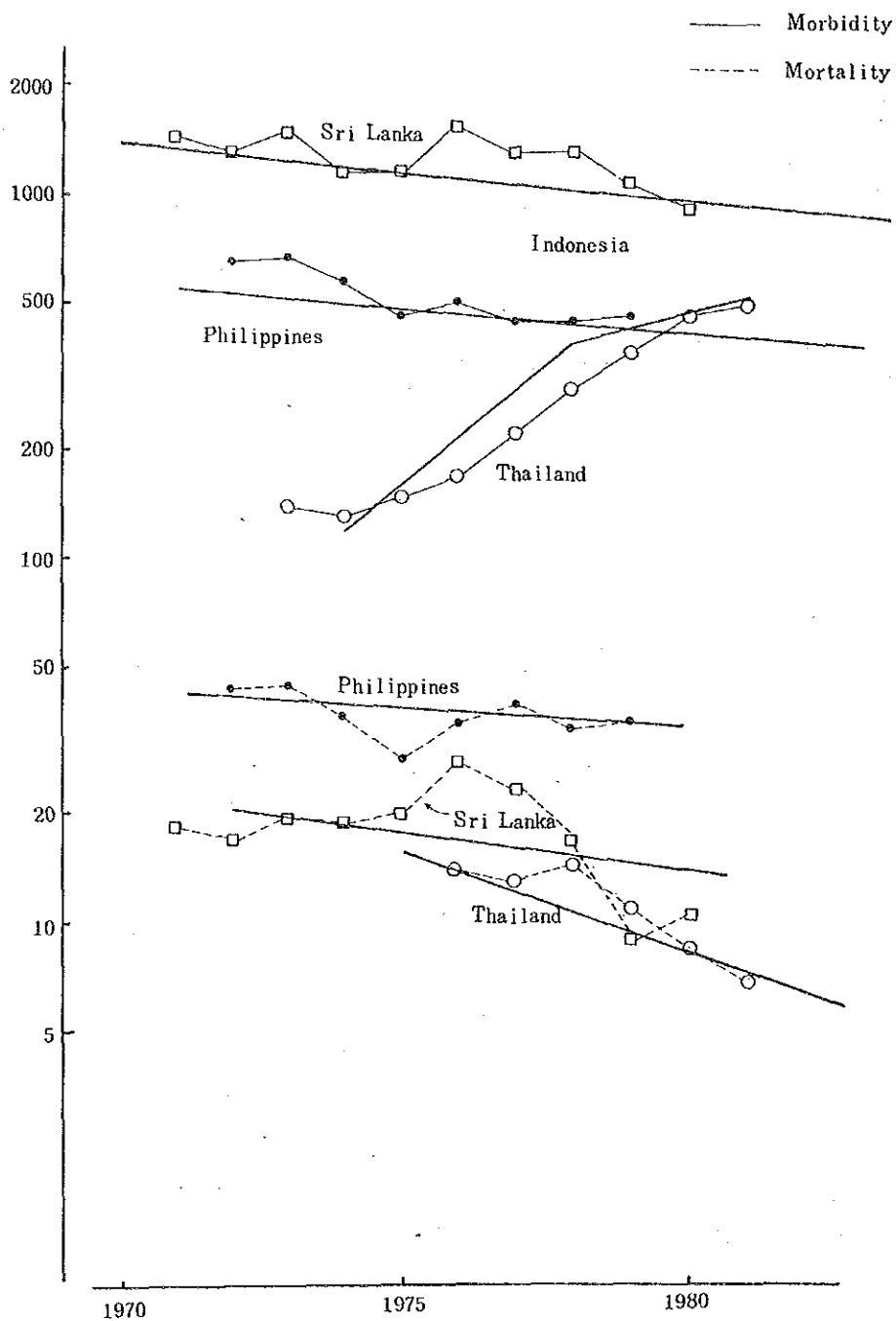
ENTERIC FEVER

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Indonesia														
Morb														
Mort														
(CFR)														
Philippines	4.1	6.7	3.7	11.5	12.1	9.1	7.3	7.9	9.6	7.8	7.6			
Morb														
Mort	1.1	1.1	1.0	1.4	1.5	1.4	1.4	1.6	1.7	1.7	1.4			
(CFR)	(2.0)	(166)	(262)	(12.1)	(14.4)	(15.2)	(19.2)	(20.0)	(17.7)	(22.4)	(18.6)			
Sri Lanka														
Morb														
Mort														
(CFR)														
Thailand														
Morb														
Mort														
(CFR)														

Appendix 45 CHOLERA EPIDEMICS



Appendix 46 OCCURRENCE OF ACUTE DIARRHOEAL DISEASES



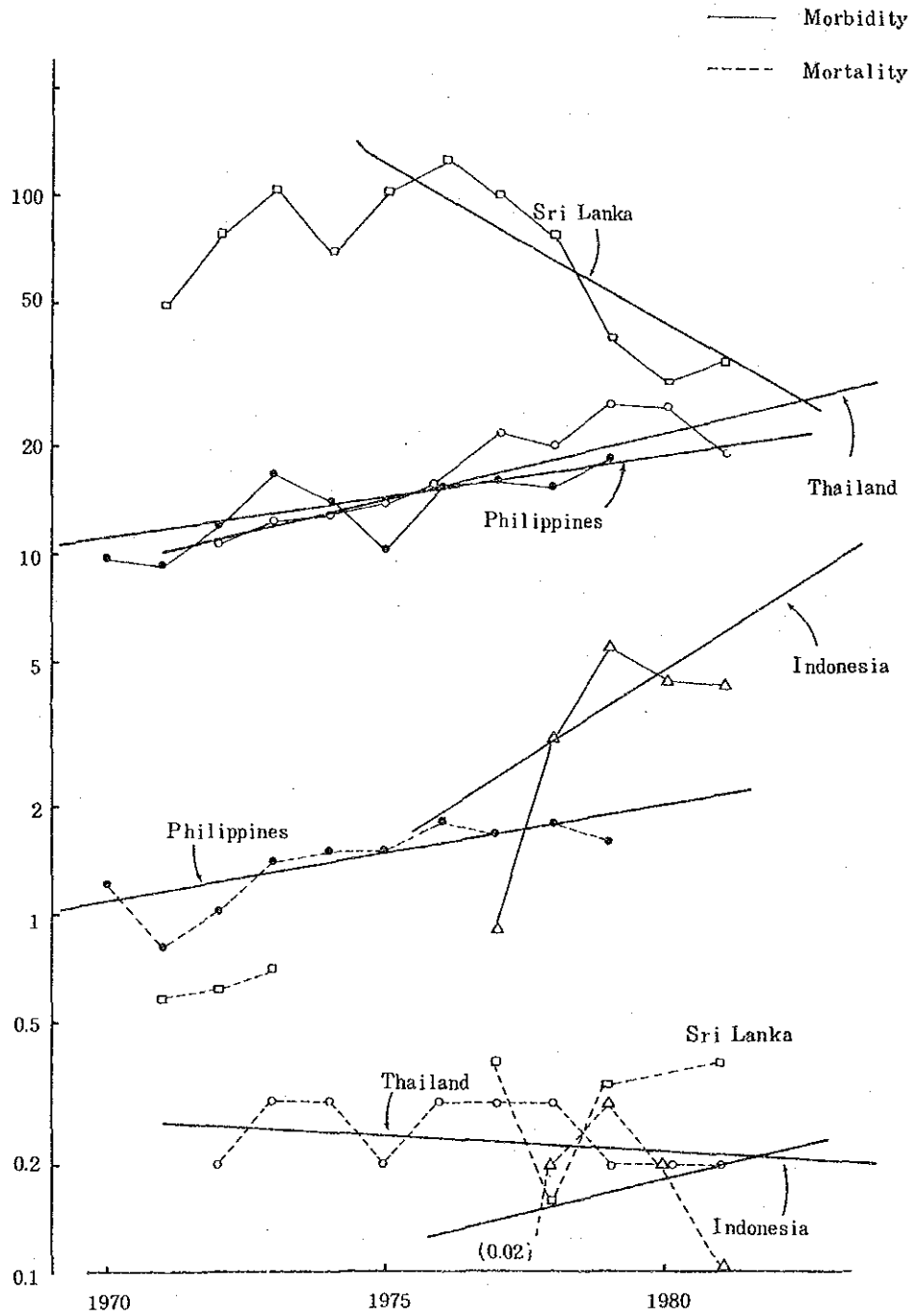
Appendix 47 CHOLERA EPIDEMICS (1969 ~ 1982)

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Indonesia	Morb	15	55	191	345	397	392	38.6	31.9	21.3	16.7	21.7	198	14.9
	Mort (CFR)	1.2 (35.8)	1.1 (21.2)					2.9 (7.2)	2.1 (6.3)	1.5 (6.7)	0.9 (5.1)	1.0 (4.7)	0.7 (3.8)	0.4 (2.5)
Philippines	Morb	3.8	2.8	8.4	15.1	7.8	5.1	2.8	3.3	3.5	3.0	2.7		
	Mort (CFR)	0.5 (12.2)	0.5 (15.7)	0.8 (9.4)	1.8 (11.9)	2.0 (25.1)	0.8 (16.5)	0.7 (24.6)	1.1 (32.0)	0.9 (25.4)	0.8 (25.3)	0.9 (32.2)		
Sri Lanka	Morb					2.1	33.1	10.8	4.4	0.1	0.2	0.1	1.2	5.6
	Mort (CFR)					0.05 (2.1)	1.2 (3.7)	0.4 (3.7)	0.1 (3.3)	0.01 (8.2)	0	0.01 (9.0)	0	0.4 (6.8)
Thailand	Morb					2.1	3.6	3.2	0.01	0.8	8.7	3.3	9.1	0.08
	Mort (CFR)					0.09 (4.3)	0.2 (4.4)	0.2 (6.6)	0.0	0.03 (3.4)	0.3 (3.2)	0.1 (3.1)	0.2 (2.0)	0.0 (5.1)

OCCURRENCE OF ACUTE DIARRHOEAL DISEASES

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Indonesia	Morb									943.7	1,206.9	1,215.0		
	Mort (CFR)									(7.5)	(3.5)	(3.1)	(2.6)	
Philippines	Morb	661.8	570.9	356.0	661.6	689.0	592.8	476.2	524.7	464.5	462.6	466.2		
	Mort (CFR)	40.9 (6.2)	35 (6.1)	32.2 (9.1)	44.0 (6.7)	45.0 (6.5)	36.6 (6.2)	27.8 (5.8)	35.5 (6.8)	40.1 (8.6)	34.5 (7.5)	35.9 (7.7)		
Sri Lanka	Morb			1,488	1,356	1,536	1,176	1,221	1,596	1,358	1,365	1,184	954.9	1,186
	Mort (CFR)			18.4 (1.2)	16.8 (1.2)	19.5 (1.2)	18.8 (1.6)	19.8 (1.6)	27.5 (1.7)	23.4 (1.7)	16.8 (1.2)	8.9 (0.75)	10.5 (1.0)	13.1 (1.1)
Thailand	Morb			83.6	139.0	133.9	148.9	171.3	224.7	304.1	383.5	475.9	513.2	
	Mort (CFR)							13.6 (7.9)	13.2 (5.9)	14.5 (4.8)	10.9 (2.8)	8.3 (1.7)	6.7 (1.3)	

Appendix 48 ANNUAL PATTERN OF HEPATITIS

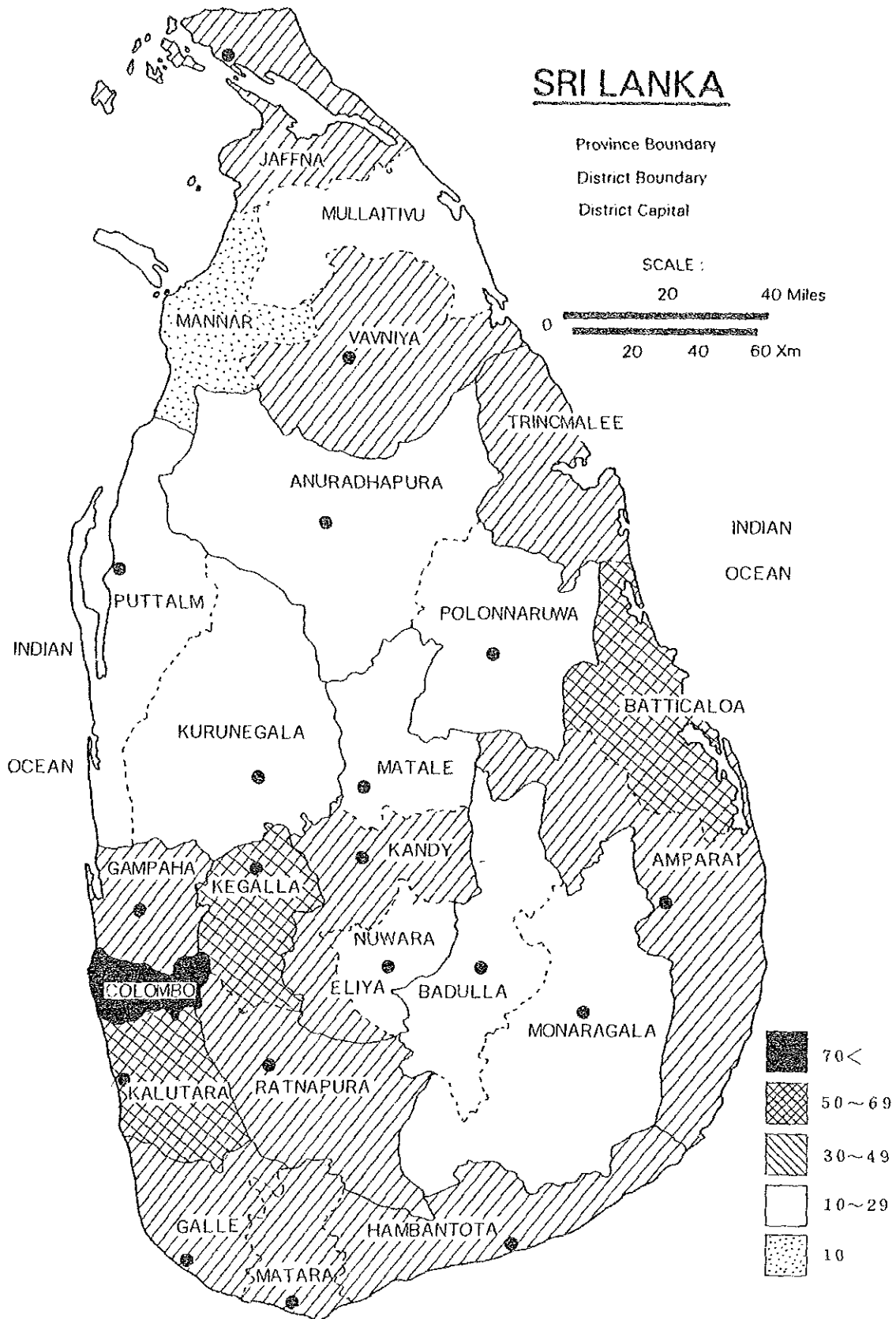


Appendix 49 HEPATITIS

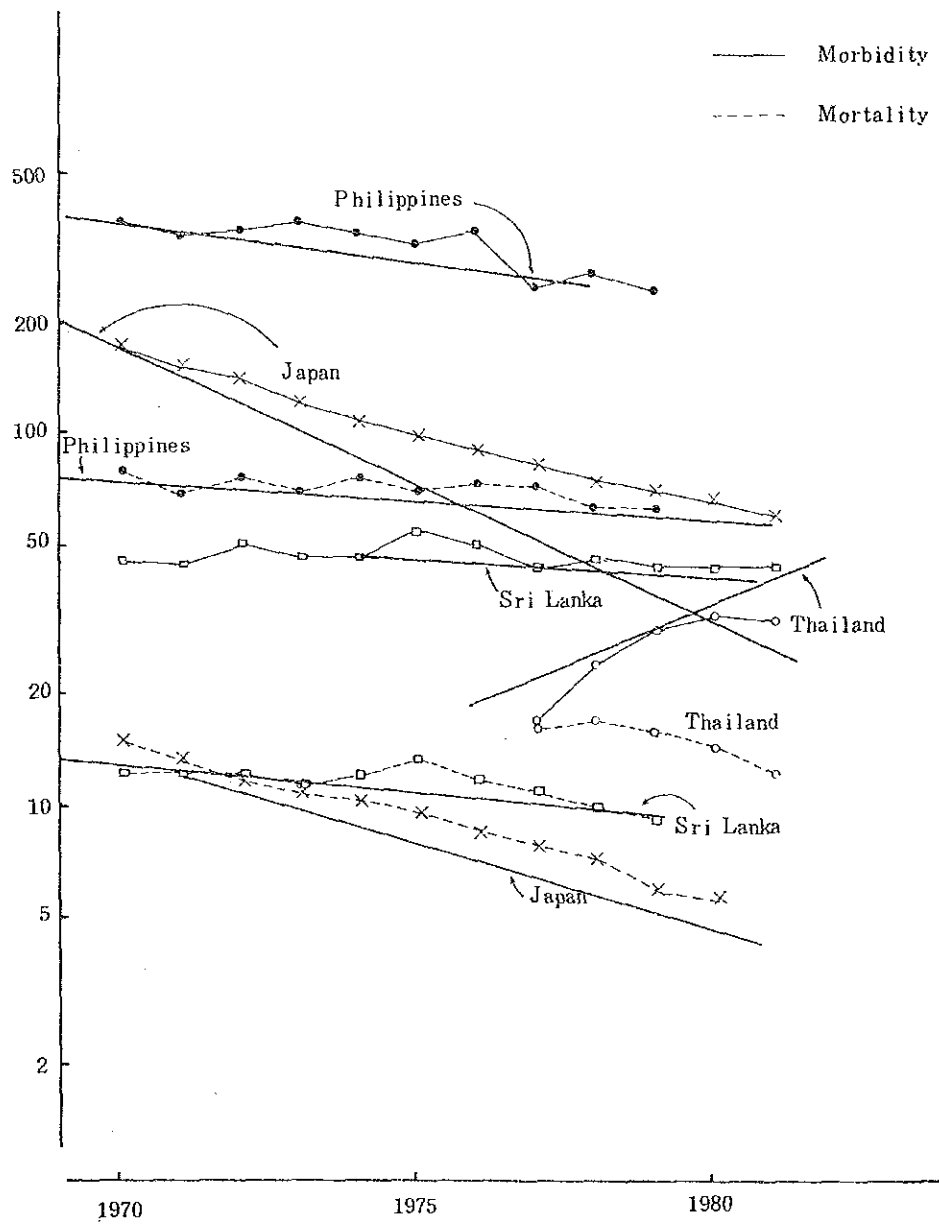
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Indonesia								0.9 0.02 (2.5)	3.1 0.2 (6.0)	5.7 0.3 (5.7)	4.5 0.2 (3.9)	4.4 0.1 (3.3)	
Philippines	9.7 1.2 (12.6)	9.4 0.8 (8.5)	12.3 1.0 (6.2)	16.8 1.4 (8.1)	14.4 1.5 (10.6)	10.4 1.5 (14.7)	15.6 1.8 (11.3)	16.4 1.7 (10.3)	15.8 1.8 (11.3)	19.0 1.6 (8.5)			
Sri Lanka	62.0	50.0 0.6 (1.1)	80.0 0.6 (0.8)	108.5 0.7 (0.6)	70.4 0 (0)	109.8 1.4 (1.3)	132.1 1.9 (1.5)	107.8 0.4 (0.4)	71.5 0.2 (0.2)	43.3 0.3 (0.8)	31.3	35.3 0.4 (1.1)	
Thailand			10.6 0.2 (1.8)	12.5 0.3 (2.1)	13.0 0.3 (2.1)	14.1 0.2 (1.7)	15.9 0.3 (1.9)	22.5 0.3 (1.4)	21.0 0.3 (1.2)	27.4 0.2 (0.8)	26.9 0.2 (0.6)	19.9 0.2 (0.9)	

TUBERCULOSIS

Appendix 50 DISTRIBUTION OF TUBERCULOSIS IN SRI LANKA



Appendix 51 ANNUAL PATTERN OF TUBERCULOSIS



Appendix 52 OCCURRENCE OF TUBERCULOSIS

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Japan	Morb 174.1 Mort 15.4 (CFR)	150.2 13.0	138.2 11.9	118.5 11.1	107.0 10.4	98.4 9.5	88.8 8.5	80.8 7.8	73.2 7.2	68.0 5.8	62.6 5.5	58.0
Philippines	Morb 369.2 Mort 80.1 (CFR)	337.1 68.6	351.0 76.3	367.2 70.3	343.1 74.9	314.1 69.2	338.4 71.7	238.0 70.7	260.5 62.4	233.6 60.6		
Sri Lanka	Morb 46.0 Mort 12.5 (CFR)	44.8 12.6	50.0 12.3	45.6 11.1	45.7 11.7	54.2 13.4	49.7 11.6	42.9 10.8	44.8 9.8	42.5 9.2	42.1	41.9
Thailand	Morb Mort (CFR)						15.1	16.1 15.8	23.5 16.6	28.8 15.1	31.8 14.3	30.4 11.9

RABIES

Appendix 53 OCCURRENCE OF RABIES

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Indonesia Morb							0.05	0.04	0.06	0.03	0.05		
Philippines Morb	0.6	0.5	0.4	0.5	0.5	0.3	0.6	0.6	0.6	0.6			
Sri Lanka Morb								224	171	183	104	090	088
Thailand Morb			0.30	0.36	0.35	0.36	0.44	0.52	0.50	0.50	0.53	0.45	

