

Malaria in Bombay, 1928

BY

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P R E F A C E

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*Appendices***Appendix A**

TABLE I

CLIMATIC DATA FOR BOMBAY (COLABA)

Temperature (in degrees Fahrenheit)

	Monthly normals derived from 24 hourly tabulations of dry bulb thermograms (1873-1920)	Means for observation hours (1873-1920)			Normal monthly temperatures		
		6 a.m.	2 p.m.	10 p.m.	Maximum	Minimum	Range
January ..	73.9	69.4	79.8	72.8	82.5	67.9	14.6
February ..	74.4	69.8	79.9	73.3	82.8	68.4	14.4
March ..	78.2	74.9	82.9	77.1	85.7	73.2	12.5
April ..	81.7	77.9	86.0	80.4	88.6	77.5	11.1
May ..	84.3	81.3	88.3	82.8	90.8	80.7	10.1
June ..	83.0	81.1	85.5	82.1	88.0	79.7	8.3
July ..	80.9	79.7	82.7	80.4	84.6	77.7	6.9
August ..	80.1	78.7	82.1	79.5	84.2	77.1	7.1
September ..	80.0	77.9	82.8	79.3	84.7	76.7	8.0
October ..	81.0	77.5	85.5	79.8	87.8	76.7	11.1
November ..	79.0	74.6	84.9	77.6	87.2	73.5	13.7
December ..	75.7	71.2	82.1	70.3	84.7	70.0	14.7
Year ..	79.3	76.0	83.5	78.2	86.0	74.9	11.1

Appendices

Appendix A

TABLE II

CLIMATIC DATA FOR BOMBAY (COLABA)

Precipitation, Moisture, Wind

	Rainfall 1847-1920				Moisture							
	Average amount	Greatest monthly and annual amount	Average number of rainy days*	Extent of cloud whole sky = 10	Pressure of vapour				Relative Humidity of the air			
					6 a. m.	2 p.m.	10 p.m.	Mean	6 a.m.	2 p.m.	10 p.m.	Mean
January ..	0.09	2.99	0.2	1.3	.530	.586	.583	.571	73	57	71	68
February ..	0.06	1.68	0.1	1.3	.544	.612	.592	.581	74	59	71	68
March ..	0.04	1.46	0.1	1.8	.670	.720	.703	.696	80	64	76	72
April ..	0.04	1.57	0.1	3.1	.777	.819	.808	.800	81	66	78	74
May ..	0.68	11.17	0.7	4.0	.847	.881	.869	.864	79	66	78	74
June ..	19.68	43.45	14.7	7.6	.892	.932	.907	.910	84	76	83	81
July ..	23.95	59.26	21.8	8.9	.876	.914	.886	.891	86	82	85	85
August ..	13.21	36.56	19.2	8.9	.847	.886	.855	.862	86	81	85	84
September ..	10.29	31.51	13.0	7.3	.847	.877	.843	.852	88	78	84	83
October ..	2.06	16.11	2.5	3.6	.800	.848	.831	.829	84	68	81	78
November ..	0.39	5.53	0.7	1.7	.657	.690	.705	.692	77	58	75	70
December ..	0.05	1.14	0.2	1.7	.561	.596	.612	.601	73	54	72	68
Year ..	70.54	114.89	73.3	4.3	.737	.780	.766	.762	80	67	78	75

	Wind								Mean Velocity (M. P. H.)
	Resultant component (in miles per hour)								
	7 to 8 a.m.	8 to 9 a.m.	9 to 10 a.m.	10 to 11 a.m.	11 a.m. to 12 m.	12 m. to 1 p.m.	1 to 2 p.m.	2 to 3 p.m.		Mean
January ..	3.1N	4.1E	6.0N	6.9W	4.7N	0.5W	4.6N	0.7W	6.9
February ..	3.0N	2.9E	6.8N	8.1W	4.5N	1.1W	4.9N	2.1W	7.3
March ..	2.2N	1.8E	6.2N	9.5W	3.6N	2.8W	4.1N	3.6W	7.5
April ..	1.2N	0.5E	4.9N	10.4W	3.2N	4.0W	2.9N	4.6W	7.4
May ..	0.2S	1.9W	1.4N	9.7W	0.5N	4.5W	0.5N	5.3W	7.1
June ..	3.7S	3.9W	3.8S	8.4W	4.4S	5.3W	4.0S	5.9W	10.3
July ..	3.4S	10.2W	3.0S	11.6W	3.8S	10.1W	3.4S	10.7W	12.3
August ..	1.9S	8.9W	1.2S	10.8W	2.0S	8.9W	1.8S	9.6W	10.6
September ..	0.7S	1.9W	1.6N	8.1W	0.2N	4.1W	0.3N	4.7W	7.3
October ..	1.0N	3.9E	3.9N	6.6W	2.0N	0.1E	2.2N	0.6W	6.3
November ..	2.4N	6.0E	4.5N	5.1W	3.4N	0.8E	3.4N	0.8E	6.6
December ..	2.9N	6.1E	4.9N	6.0W	4.2N	0.5E	4.0N	0.7E	6.7
Year ..	0.5N	0.1W	2.7N	8.4W	1.3N	3.3W	1.5N	3.9W	8.0

*A rainy day is a day on which 0.10" or more of rain is recorded.

Appendices

Appendix A

TABLE III

RAINFALL RECORDED AT BOMBAY (COLABA)

Five day period	Five day sums					Five day period	Five day sums				
	1916	1917	1918	1919	1920		1916	1917	1918	1919	1920
1	..	..	..	..	0'07	38	5'39	0'31	0'47	1'48	12'33
2	..	..	..	..	0'92	39	7'08	0'54	0'02	0'02	2'76
3	..	..	..	..	..	40	1'09	2'31	0'14	1'39	0'86
4	..	..	..	..	..	41	0'69	7'47	0'84	2'95	1'02
5	..	..	..	..	..	42	8'94	1'17	0'48	9'19	1'18
6	..	..	..	0'11	..	43	14'45	0'56	0'74	1'10	2'29
7	..	1'68	..	..	0'04	44	1'97	3'44	0'34	1'16	0'92
8	..	..	..	..	0'29	45	0'80	2'82	0'55	0'99	0'32
9	..	..	..	..	..	46	2'61	1'23	1'29	2'40	0'11
10	..	..	..	..	..	47	0'55	7'60	1'62	1'74	0'70
11	..	..	..	..	..	48	0'51	11'80	0'28	3'02	0'88
12	..	..	..	..	..	49	0'16	9'39	0'93	2'11	0'27
13	..	..	..	..	..	50	1'71	5'96	0'07	0'74	0'74
14	..	..	..	..	..	51	5'56	0'63	0'95	0'04	1'92
15	..	..	1'35	..	..	52	2'48	0'70	0'16	1'03	0'71
16	..	..	..	..	..	53	3'37	0'01	0'40	0'34	0'44
17	..	..	0'11	..	..	54	1'43	1'05	0'62	4'45	0'16
18	..	..	..	..	..	55	0'13	4'26	..	2'07	..
19	0'04	..	..	..	..	56	0'65	12'98	..	..	0'33
20	..	..	..	..	..	57	..	0'13	..	..	..
21	..	..	..	..	..	58	1'55	0'04	..	..	..
22	..	..	..	..	..	59	0'39	0'65	..	..	0'01
23	..	..	..	..	..	60	1'52	2'11	..	0'18	..
24	..	..	..	..	..	61	0'59	..	..	..	..
25	..	0'08	..	..	..	62	..	..	..	0'18	..
26	..	0'16	0'03	..	..	63	0'72	..	0'09	..	..
27	..	..	0'19	..	..	64	..	..	..	..	..
28	..	..	0'01	..	..	65	..	..	..	..	..
29	..	..	0'81	..	..	66	..	..	..	..	..
30	0'07	0'64	9'78	..	..	67	..	..	..	..	..
31	1'78	0'01	1'67	0'41	..	68	..	..	..	..	..
32	11'50	2'68	0'84	13'80	0'28	69	..	..	..	..	..
33	1'52	5'23	..	0'28	6'54	70	..	..	..	..	..
34	3'00	1'96	5'66	0'13	0'33	71	..	..	..	..	..
35	3'45	1'62	2'73	0'13	0'33	72	..	..	..	..	..
36	2'32	3'43	0'10	1'47	0'60	73	..	..	..	..	..
37	0'05	1'11	2'27	15'31	3'52						

Appendix A

TABLE IV

NUMBER OF DAYS IN EACH MONTH IN WHICH RAINFALL WAS 0.10" OR MORE

Month	1921	1922	1923	1924	1925
January	..	..	..	..	..
February	..	..	..	..	..
March	..	..	..	..	..
April	..	..	..	..	..
May	..	..	..	..	4
June	13	17	8	11	20
July	24	27	24	23	21
August	22	17	17	15	15
September	19	20	17	20	7
October	..	2	..	..	1
November	..	..	..	1	2
December	..	1	..	..	..

Appendix A

TABLE V

MONTHLY MEANS OF MAXIMUM AND MINIMUM TEMPERATURES AND HUMIDITY

	1921			1922			1923			1924			1925		
	Monthly mean Maximum Temperature	Monthly mean Minimum Temperature	Monthly mean Humidity	Monthly mean Maximum Temperature	Monthly mean Minimum Temperature	Monthly mean Humidity	Monthly mean Maximum Temperature	Monthly mean Minimum Temperature	Monthly mean Humidity	Monthly mean Maximum Temperature	Monthly mean Minimum Temperature	Monthly mean Humidity	Monthly mean Maximum Temperature	Monthly mean Minimum Temperature	Monthly mean Humidity
January	83.9	67.9	64	83.7	68.2	68	84.5	69.0	67	82.7	68.2	71	80.9	65.5	65
February	84.4	68.6	67	84.9	70.2	67	82.5	68.6	66	83.8	69.4	70	81.1	65.5	65
March	87.9	74.1	71	87.4	72.8	69	88.2	75.0	72	89.5	75.7	71	89.5	74.4	67
April	90.9	78.9	75	90.5	78.6	75	90.0	77.7	72	91.5	79.4	72	91.0	79.6	74
May	92.5	81.5	70	92.1	81.3	71	90.9	80.6	72	92.9	81.6	71	91.8	81.7	79
June	89.0	80.5	79	87.8	80.0	81	90.4	81.7	77	90.4	81.3	76	86.7	78.7	83
July	84.3	77.5	85	83.8	77.3	85	83.8	77.6	88	85.1	79.1	85	85.8	78.6	83
August	83.8	77.2	84	83.7	77.0	83	84.4	77.5	85	85.3	78.5	83	85.4	78.1	81
September	84.0	76.6	83	84.1	76.4	83	85.0	76.8	83	85.3	77.0	86	86.9	77.6	81
October	89.3	77.3	75	89.6	76.7	76	89.3	77.1	77	87.6	76.2	76	91.7	79.6	74
November	87.5	73.1	69	88.5	75.3	69	86.4	72.4	72	86.5	72.4	68	90.5	77.1	68
December	85.2	70.7	68	84.3	69.6	66	86.0	71.2	68	84.9	70.6	72	86.9	73.0	68

Appendix B

POPULATION AND DENSITY PER ACRE BY SECTIONS

Section	Population, 1906	Density per acre, 1906	Population, 1921	Density per acre, 1921	Estimated population, 1927	
A {	Upper Colaba	3,775	26	3,747	23'94	3,714
	Middle and Lower Colaba ..	15,310	54	20,048	71'67	20,103
	Fort, South	3,994	30	4,153	31'20	4,547
	Fort, North	28,778	214	30,921	194'86	34,434
	Esplanade	11,015	16	15,571	21'94	15,434
B {	Chakla	29,362	569	22,996	489'07	22,794
	Mandvi	38,158	232	38,612	206'12	41,656
	Umarnhadi	53,610	509	47,218	469'18	47,768
	Dongri	32,633	114	20,749	68'56	20,568
C {	Market	35,305	396	35,080	411'69	37,842
	Dhobi Talao	36,594	367	42,171	356'57	43,982
	Fanaswadi	29,240	233	30,105	305'82	31,530
	Bhuleshwar	38,129	503	34,622	471'30	34,317
	Kumbharwada	32,784	712	32,481	736'86	35,181
	Khara Talao	26,935	647	23,925	581'55	24,308
D {	Khetwadi	33,579	197	39,615	255'58	44,070
	Girgaum	28,449	228	36,003	320'31	38,953
	Chowpatti	13,033	117	14,260	131'16	15,927
	Walkeshwar	12,685	23	18,111	30'70	22,623
	Mahalakshmi	24,650	38	38,040	57'77	45,046
E {	Tardeo	28,193	123	31,986	213'44	34,349
	Kamathipura	36,484	552	44,585	714'05	49,091
	1st Nagpada	3,335	113	7,645	260'21	8,350
	2nd Nagpada	22,016	647	23,103	699'03	23,779
	Byculla	76,280	149	91,340	160'93	100,540
	Tarwadi	26,278	55	40,717	81'63	48,047
	Mazagaon	30,872	48	36,773	34'19	40,641
F {	Parel	46,960	85	60,196	107'25	68,871
	Sewri	15,985	36	28,645	49'58	34,383
	Sion	30,515	7	56,444	15'86	72,054
G {	Mahim	31,178	24	48,130	31'85	58,735
	Worli	69,488	38	119,790	52'69	137,607
Harbour, Docks, Railways, and Homeless	32,440	..	38,132	..	37,797	
Total ..	977,822	68	1,175,914	78'05	1,298,708	

Appendix C

STATEMENT SHOWING THE AVERAGE NUMBER OF SEERS OF WHEAT, JAWAR, BAJRI AND RICE PURCHASABLE FOR ONE RUPEE IN BOMBAY CITY IN EACH YEAR FROM 1912 ONWARDS

Year				Wheat	Jawar	Bajri	Rice
				S. ch.	S. ch.	S. ch.	S. ch.
1912	..	..	..	6 14	9 12	9 11	7 8
1913	..	..	..	7 1	9 12	10 10	7 8
1914	..	..	..	6 13	9 5	9 4	7 4
1915	..	..	..	5 8	10 9	9 1	7 3
1916	..	..	..	7 1	11 6	8 11	6 15
1917	..	..	..	6 11	9 11	8 4	6 15
1918	..	..	..	4 5	4 10	4 10	5 5
1919	..	..	..	4 1	4 2	4 3	5 4
1920	..	..	..	4 6	5 5	5 12	5 5
1921	..	..	..	4 1	5 2	4 6	5 6
1922	..	..	..	4 8	7 4	5 10	5 7
1923	..	..	..	5 10	8 0	7 5	5 11
1924	..	..	..	5 7	7 11	7 6	5 5
1925	..	..	..	5 2	7 5	6 11	5 6
1926	..	..	..	5 3	7 2	6 9	5 6
1927	..	..	..	5 4	7 0	6 10	5 7

Note.—Average annual prices for the years 1912-1921 are those given in "Prices and Wages in India, 1923"; the average annual prices for the years 1922-1927 are arrived at by striking the averages for the quotations in the fortnightly returns of retail prices published in the *Bombay Government Gazette*.

*Appendices***Appendix D****TABLE I**

**CASES OF MALARIA AND "FEVER NOT DEFINED" TREATED AT
MUNICIPAL DISPENSARIES BY MONTHS, 1922-1927**

	1922	1923	1924	1925	1926	1927
January ..	1,251	1,163	1,177	1,292	1,690	1,037
February ..	838	1,010	987	953	1,140	941
March ..	974	938	860	1,143	1,235	957
April ..	1,018	1,218	831	1,181	1,280	1,074
May ..	1,089	1,161	1,033	1,326	1,267	1,037
June ..	1,177	910	998	1,169	1,192	957
July ..	1,474	1,097	1,414	1,836	1,378	1,504
August ..	1,854	1,531	2,265	2,855	1,920	1,721
September ..	1,953	1,845	3,126	4,630	2,663	2,012
October ..	2,742	2,270	4,152	5,814	3,010	2,635
November ..	1,977	1,673	2,868	3,401	2,473	2,426
December ..	1,540	1,288	1,585	2,438	1,420	1,387
Total fever cases treated ..	17,887	16,104	21,296	28,038	20,668	17,688
Total new cases treated ..	71,020	69,036	75,577	78,665	71,921	68,887
Percentage of fever cases to total new cases ..	25.18	23.32	28.17	35.64	28.74	25.67

Appendix D

TABLE II

ADMISSIONS FOR MALARIA IN DIFFERENT INSTITUTIONS, 1922-1927

	1922	1923	1924	1925	1926	1927
Colaba B. M. H.	440	227	160	139	175	128
Marine Lines I. M. H.	353	165	291	251	186	54
St. George's Hospital	1,537	1,065	1,147	1,238	1,078	509
Goculdas Tejpal Hospital	859	1,899	2,281	3,202	2,669	1,715
Cama and Albless Hospital	259	185	304	282	184	125
Sir J. J. Hospital	1,789	2,598	2,434	4,767	4,693	3,452
Northcote Police Hospital	4,194	4,228	3,934	5,321	3,499	2,044
G. I. P. Railway Infirmary	4,389	3,179	2,675	3,949	3,373	2,551
Dr. Masina's Hospital	254	344	364	330	252	116
Adam's Wylie Hospital .. ..	..	..	..	687	1,086	153
Yamunabai Nair Hospital .. ..	..	..	..	..	545	83

Appendix D

TABLE III

TOTAL DEATHS FROM MALARIA AND AGUE AND REMITTENT FEVER, 1911-1927

Year	Deaths from Malaria	Deaths from Ague and Remittent Fever	Total deaths Malaria and Ague and Remittent Fever
1911	334	.....	.....
1912	360	3,070	3,430
1913	261	2,624	2,885
1914	213	2,517	2,730
1915	208	1,774	1,982
1916	238	1,735	1,973
1917	263	2,012	2,275
1918	200	4,219	4,419
1919	262	5,071	5,333
1920	311	3,216	3,527
1921	545	4,234	4,779
1922	485	2,703	3,188
1923	403	2,692	3,095
1924	488	2,679	3,167
1925	581	2,337	2,918
1926	635	2,004	2,639
1927	365	1,633	1,998

*Appendices***Appendix D****TABLE IV****DEATHS BY MONTHS FROM MALARIA (INCLUDING AGUE AND
REMITTENT FEVER)**

—	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
January	262	445	379	423	317	259	315	286	238	189
February	236	314	344	430	295	249	270	243	183	192
March	315	350	272	538	325	334	249	272	211	182
April	336	762	299	546	265	280	219	256	180	165
May	283	636	280	380	219	276	178	251	183	158
June	247	344	205	266	209	237	165	183	173	118
July	403	367	224	315	204	181	155	190	214	133
August	206	426	244	381	239	230	259	213	258	213
September	838	431	293	404	240	259	304	247	269	172
October	680	486	357	432	325	273	412	319	281	148
November	266	388	300	351	282	221	357	241	246	169
December	347	384	330	313	268	296	284	217	203	159
	4,419	5,333	3,527	4,779	3,188	3,095	3,167	2,918	2,639	1,998

Appendix D

TABLE V

RATIO PER 1,000 OF STRENGTH OF ADMISSIONS FOR MALARIA AMONGST
BRITISH AND INDIAN TROOPS STATIONED IN BOMBAY

Year	British Troops		Indian Troops	
	Number of cases	Ratio per 1,000	Number of cases	Ratio per 1,000
1896	107	88	257	205
1897	268	238	249	180
1898	168	140	303	250
1899	227	179	271	220
1900	173	149	318	258
1901	241	194	522	413
1902	154	116	329	282
1903	205	164	391	300
1904	142	110	323	321
1905	233	184	271	376
1906	256	228	261	471
1907	240	227	232	396
1908	392	340	330	509
1909	304	288	235	330
1910-13	Not available.		Not available.	
1914	193	155	Do.	
1915	69	147	Do.	
1916	224	213	Do.	
1917	809	344	Do.	
1918	1,192	517	Do.	
1919	710	379	Do.	
1920	916	605	Do.	
1921	1,101	973	Do.	
1922	350	418	Do.	
1923	140	169	162	265
1924	160	223	133	216
1925	144	226	184	366
1926	175	216	134	235
1927	128	150	40	81

*Appendices***Appendix D****TABLE VI****RATIO PER THOUSAND OF STRENGTH OF CASES TREATED FOR MALARIA
AMONGST THE POLICE STATIONED IN BOMBAY, 1921-1927**

Year					Sanctioned strength of Force	Total Cases treated for Malaria	Ratio per 1,000 of strength
1921	..	..	..	..	3,149	4,900	1,556
1922	..	..	..	..	3,247	4,462	1,374
1923	..	..	..	..	3,543	4,288	1,210
1924	..	..	..	..	3,413	4,298	1,259
1925	..	..	..	..	3,495	4,797	1,372
1926	..	..	..	..	3,495	3,105	889*
1927	..	..	..	..	3,478	1,845	534*

* *Note.*—In the Annual Reports on the Police of the City of Bombay for the years 1926 and 1927 the decrease in the number of malaria cases is attributed to the giving of a six weeks' course of treatment with Quinine Mixture to all men who have been admitted for this disease after their discharge from Hospital, and also to the fact that the Armed Police (448 in number) have been transferred to new lines at Naigaum.

It must be pointed out however that figures available from other sources show that this decrease in the incidence of the disease has been general throughout Bombay, though possibly not to such a great extent.

Appendix E

TABLE I

TABLE SHOWING RESULTS OF SPLEEN AND BLOOD EXAMINATIONS,
("RANDOM SAMPLING")

Ward	Section	Locality	Number of Children Examined	Percentage with Palpable Spleen	Percentage showing Malaria Parasites in Blood	Percentage showing evidence of Malarial Infection
A.	Upper Colaba ..	Reclamation Labour Camps ..	100*	17	20	22
	Middle and Lower Colaba.	Gun Carriage Street ..	35	} 2	5	5
		Bora Street ..	22			
		Colaba Land Mill ..	48			
	Fort North ..	Cochin Street ..	72	21	14	21
		Goa Street ..	14	..	..	..
	Esplanade ..	Paltan Road ..	100	8	4	5
		St. George's Hospital ..	36	} 12	..	..
		G. I. P. Yard, Victoria Terminus.	23			
		B. B. & C. I. Yard, Carnac Bunder ..	36			
B.	Mandvi ..	Dongri Street ..	100	14	14	22
	Umarkhadi ..	Imanwada Street ..	100	9	7	11
	Dongri ..	Valpakadi (Municipal Chawls) ..	100	41	31	45
C.	Market ..	Princess Street ..	34	} 3	11	12
		Takwadi Street ..	33			
		Picket Road ..	33			
	Dhobi Talao ..	Chandanwadi Street ..	100	6	8	11
	Fanaswadi ..	Tadwadi Street ..	67	} 11	8	12
		Fanaswadi Street ..	33			
	Bhuleshwar ..	2nd Fopalwadi Street ..	44	} 12	14	17
		2nd Bhotwada Street ..	56			
	Khara Talao ..	Khoja Street ..	100	8	7	10
	Kumbharwada ..	Northbrook Gardens ..	100	10	15	17
	D.	Khetwadi ..	Falkland Road ..	65	} 0	6	6
Khawa Lane ..			35			
Girgaum ..		Girgaum Road ..	59	} 8	28	32
		Mughhat Road ..	41			
Chowpati ..		Gandevi Road ..	100	31	37	41
Walakeshwar ..		Hindu Orphanage ..	41	} 16	24	26
		Old Bodyguard Stables ..	23			
	Gowalla Tank Road ..	36				

RESULTS OF SPLEEN AND BLOOD EXAMINATIONS—*contd.*

Ward	Section	Locality	Number of Children Examined	Percentage with Palpable Spleen	Percentage showing Malaria Parasites in Blood	Percentage showing evidence of Malarial Infection
E.	Mahalakshmi	Clerk Road, Tardeo Flats ..	100	39	36	53
		B. B. & C. I. Chawls, Bellasis Road ..	48	} 11	..	..
		Ganjawala Chawls, Bellasis Road	100			
	Mazagon	Wadi Bunder Road ..	100	12	8	13
	Tarwadi	Nesbit Road ..	100	29	29	32
		Mahomedan Orphanage ..	21	} 35	16	40
	Hindu Orphanage ..	39				
	2nd Nagpada	Tank Road ..	100	8	7	8
	Kamathipura	Stable Street ..	100	8	5	8
	Tardeo	Foras Road ..	100	27	26	33
	Byculla	Agripada Street ..	100	21	23	26
		B. B. & C. I. Chawls, Lamington Road ..	33	15	..	..
F	Parel	Chamar Bang Road ..	100	21	6	22
		Parel Village ..	100	10	..	..
		Curry Road ..	100	45	34	49
	Sewri	Jackeria Bunder ..	100	2	2	4
		Bhotwada, Village ..	100	2	..	..
	Sion	Dadar Road ..	100	13	7	14
Sion Road ..		100	3	1	4	
G.	Mahim	Dharavi Village ..	100	2	4	5
		Mori Road ..	20	} 6	1	6
		Police Lines, Mahim Village ..	35			
		Lady Jamshedji Road ..	20			
	Worli	DeLisle Road, B. D. T. Chawls..	100	2	10	10
		Worli Road, B. D. T. Chawls ..	100	21	14	30
		Elphinstone Mill Area ..	58	36	22	39
		DeLisle Road, Municipal Chawls	42	60	38	69
		DeLisle, Road, B. B. & C. I. Chawls ..	40	55	..	..
		Carrol Road, B. B. & C. I. Chawls ..	74	42	..	..
		Dadar Joint Yard, B. B. & C. I. .	19	10	..	..
Worli Village ..	100	11	..	..

Note.—Out of 511 positive blood films, Malignant Tertian parasites were found in 66 per cent., Benign Tertian in 25 per cent, and Quartan in 10 per cent. There were 13 mixed infections.

Appendix E

TABLE II

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
Ward G					
MAHIM ..	Dharavi Branch Marathi Boys..	46	1	2.2	1 ex Bombay.
	Dharavi Koliwada Marathi Boys.	67	1	1.5	
	Dharavi Marathi Boys ..	121	1	0.8	
	Dharavi Tamli	41	0	..	
	Mori Road Marathi Boys ..	41	3	7.3	
	Mahim Bazaar Road Gujarati ..	30	0	..	
	Mahim Bazaar Road Marathi Boys.	39	2	5.1	1 Worli.
	Upper Mahim Marathi Boys ..	139	4	2.9	
	Mahim Chunabhati Marathi Boys	150	1	0.6	
	Upper Mahim Marathi Girls ..	127	0	..	
	Cadell Cross Road Marathi Boys.	46	2	4.3	
	Mahim Gujarati Boys ..	44	2	4.5	
	Mahim Gujarati Girls ..	34	1	2.9	
	Gopi Tank Marathi Boys ..	157	4	2.5	
	Gopi Tank Marathi Girls ..	77	2	2.6	
	Lady Hardinge Road Gujarati Boys.	61	6	11.8	
	Lady Hardinge Road Marathi ..	61	2	3.3	
	Cadell Road No. 2 Marathi Boys.	99	1	1.0	
	Lady Jamshedji Road Marathi Boys.	401	12	3.0	1 ex Bombay.
	Lady Jamshedji Road Gujarati.	97	5	5.1	1 Parel, 1 Tardeo.
	Lower Mahim Marathi Girls ..	175	2	1.1	
WORLI ..	Worli Koliwada Boys ..	130	5	3.8	
	Worli Koliwada Girls ..	53	1	1.9	
	Lower Mahim Marathi Boys ..	127	2	1.6	
	Dadar Kumbharwada Marathi Girls.	303	3	1.0	1 ex Bombay.
	Parbhadevi Road Marathi Boys.	173	5	2.9	
	Parbhadevi Road Marathi Girls.	100	7	7.0	
	Dadar New Bawanishankar Road Marathi Boys.	171	8	4.6	
	Parbhadevi Road Marathi ..	103	26	25.2	
	Parbhadevi Gujarati ..	37	23	62.2	
	DeLisle Road No. 2 Urdu ..	59	22	37.3	1 ex Bombay.
	DeLisle Road Marathi Boys ..	187	57	30.5	
	Elphinstone Road Gujarati ..	78	18	23.1	1 ex Bombay.

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN—*contd.*

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
WORLI— <i>contd.</i>	Elphinstone Bridge Marathi Boys.	125	26	20·8	1 ex Bombay.
	Elphinstone Bridge Marathi Girls.	83	14	16·8	
	North Worli Marathi ..	195	71	36·4	1 ex Bombay.
	Worli Marathi ..	79	20	26·2	
	Fergusson Road Marathi Boys ..	210	28	13·3	
	Fergusson Road Marathi Girls ..	56	2	3·6	
	Lower Parel Station Road Marathi Boys.	138	24	17·4	
	Lower Parel Gujarati Boys ..	129	32	24·8	
	Lower Parel Gujarati Girls ..	85	18	21·2	
	Lower Parel Urdu ..	41	9	21·9	
	Lower Parel Marathi Girls ..	63	4	6·3	
	Sun Mill Road Marathi Boys ..	167	17	10·2	
	Curry Road Marathi Boys ..	342	32	9·4	
	Curry Road Marathi Girls ..	67	2	3·0	
	Arthur Road Urdu ..	28	4	14·3	
	DeLisle Road B. D. D. Marathi.	105	10	9·5	1 ex Bombay.
	DeLisle Road L. P. Marathi Boys.	52	2	3·8	
	Clerk Road Marathi ..	63	4	6·4	
	Jacob Circle Urdu Boys ..	26	4	15·4	
Jacob Circle Urdu Girls ..	22	0	..		
Jacob Circle Gujarati Boys ..	34	6	17·7		
Ward F					
SION	Sion Marathi Boys ..	111	1	0·9	
	Sion Marathi Girls ..	21	0	..	
	Matunga Labour Camp Marathi.	54	1	1·8	
	Matunga Gujarati Girls ..	65	1	1·5	
	Matunga Station Road Marathi Boys.	159	2	1·2	
	Matunga Station Road Marathi Girls.	92	0	..	
	Matunga Model Gujarati Boys..	173	8	4·6	
	Matunga Road Marathi Boys ..	106	3	2·8	
	Wadala Marathi Boys ..	167	3	1·8	1 ex Bombay.
	Wadala Marathi Girls ..	63	1	1·6	
	Nalgaum Gujarati ..	41	3	7·3	
	Dadar Urdu ..	43	3	6·9	
	Dadar Marathi Boys ..	103	6	5·8	

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN—*contd.*

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
SION— <i>contd.</i> ..	Dadar Cross Road Marathi Girls.	93	2	2·1	
	Dadar Cross Road Gujarati	36	2	5·5	
	Dadar Main Road Gujarati ..	34	3	8·8	
	Dadar Stable Marathi ..	29	0	..	
	Naigaum No. 1 Marathi Boys ..	88	7	7·9	
	Naigaum Marathi Girls ..	40	3	7·5	
	Naigaum No. 2 Marathi ..	63	5	7·9	
	Parel Bhoiwada Cross Road Marathi Boys.	187	9	4·8	
	Parel Bhoiwada Gujarati ..	63	6	9·5	
	Parel Bhoiwada Marathi Boys ..	188	14	7·4	
Parel Bhoiwada Marathi Girls ..	74	1	1·4		
SEWRI ..	Sewri Marathi Boys ..	70	0	..	
	Sewri Koliwada Marathi Boys ..	73	0	..	
	Golanji Hill Marathi Boys ..	141	10	7·1	1 Dongri.
	Golanji Hill Marathi Girls ..	55	2	3·6	
	Parel Tank Marathi Boys ..	24	2	8·4	
	South Sewri Marathi Boys ..	76	7	9·2	1 ex Bombay.
	Jackeria Bunder Marathi Boys..	72	1	1·4	
PAREL ..	Parel Marathi Boys ..	116	18	15·5	
	Poibavdi Marathi Boys ..	162	14	8·6	
	Poibavdi Marathi Girls ..	124	19	15·3	
	Poibavdi Urdu Boys ..	50	8	16·0	2 ex Bombay.
	Poibavdi Urdu Girls ..	27	2	7·4	
	Poibavdi Gujarati Boys ..	129	18	13·9	2 ex Bombay.
	Poibavdi Gujarati Girls ..	49	1	2·0	
	Lal Bag Gujarati Boys ..	38	8	21·0	1 ex Bombay.
	Lal Bag Gujarati Girls ..	27	2	7·4	
	Suparibag Marathi Boys ..	179	41	22·9	1 ex Bombay.
	Suparibag Marathi Girls ..	120	22	18·3	1 ex Bombay.
	Lal Bag Marathi Boys ..	134	14	10·8	
	Lal Bag Marathi Girls ..	53	5	9·4	
	Garamkhada Marathi Boys ..	55	5	9·1	
	Kala Chowky Marathi ..	143	33	23·1	1 ex Bombay.
	Ambewadi Marathi Boys ..	138	24	17·4	
	Parel Village Marathi Boys ..	184	12	6·5	1 ex Bombay.
Parel Village Marathi Girls ..	114	5	4·4		

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN—*contd.*

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
Ward E MAZAGON ..	Ghodapdeo Marathi Boys ..	208	20	9·6	1 Fort South.
	Ghodapdeo Marathi Girls ..	54	3	5·5	
	Tank Bunder Urdu Boys ..	42	4	9·5	
	Tank Bunder Urdu Girls ..	26	0	..	
	Tank Bunder Marathi Girls ..	61	3	4·9	
	Mazagon Urdu Boys ..	57	4	7·0	
	Mazagon Gujarati Boys ..	36	3	8·4	
	Mazagon Marathi Boys ..	192	22	11·5	1 ex Bombay.
	Mazagon Marathi Girls ..	41	0	..	
	Mazagon Junabazaar Marathi Boys.	166	21	12·6	1 ex Bombay.
TARWADI ..	Arthur Bridge Marathi Boys ..	217	11	5·0	1 Worl.
	Chinchpokli Marathi Boys ..	170	12	7·0	
	Chinchpokli Marathi Girls ..	63	8	12·7	
	Chinchpokli Urdu ..	50	3	6·0	
	Chinchpokli Gujarati Girls ..	32	1	3·1	
	Victoria Gardens Marathi Boys ..	140	10	7·1	
	Victoria Gardens Urdu Boys ..	25	3	12·0	
	Byculla Gujarati Girls ..	73	11	15·0	1 ex Bombay.
	Valpakhadi Gujarati Boys ..	111	45	40·5	1 ex Bombay.
BYCULLA ..	Byculla Marathi Boys ..	284	19	7·4	{ 3 Mazagon. 2 Mahim.
	Byculla Marthi Girls ..	97	6	6·2	
	Byculla Gujarati ..	52	2	3·8	
	DeLisle Road Urdu Boys No. 1 ..	56	7	12·5	
	Agripada Marathi Boys ..	300	36	12·0	
	Madanpura Marathi Girls ..	23	1	4·3	
	Madanpura Urdu Boys ..	156	26	16·6	
	Madanpura Urdu Girls ..	48	6	12·5	
	Sankli Cross Street Urdu ..	30	9	30·0	{ 1 Sewri. 1 Mazagon.
	Sankli Street Urdu ..	33	8	25·0	
	Safrabadi Urdu ..	65	7	10·8	
	Ripon Road Marathi Boys ..	47	1	2·1	1 ex Bombay.
	Moreland Road Urdu Boys ..	24	5	20·8	1 ex Bombay.
1ST NAGPADA .	New Nagpada Marathi Boys ..	143	21	14·7	
	New Nagpada Marathi Girls ..	58	6	10·4	1 Mazagon.

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN—*contd.*

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
2ND NAGPADA	Duncan Road Marathi Boys ..	111	10	9'0	1 ex Bombay. 1 ex Bombay.
	Nagpada A. V. Urdu Boys ..	105	9	8'6	
	Underia Street Urdu Boys ..	31	0	..	
	Temkar Street Urdu Boys ..	41	0	..	
	Khandia Street Urdu Boys ..	114	12	10'5	
	Khandia Street Urdu Girls ..	74	4	5'4	
	Telli Mohulla Urdu Boys ..	13	1	7'7	
	Telli Mohulla Urdu Girls ..	32	5	15'6	
KAMATHIPURA	Tavle Marathi Girls ..	25	1	4'0	5 Mahalakshmi 4 Tarwadi. 1 Masagon.
	Kamathipura Marathi Girls ..	132	2	1'3	
	South Kamathipura Marathi ..	203	4	2'0	
	Kamathipura Gujarati No. 1 ..	46	14	30'4	
	Kamathipura Central Bazaar Road Urdu.	42	1	2'4	
	Kamathipura Bazaar Road Gujarati Boys.	44	1	2'3	
	Kamathipura A. V. Marathi Boys.	160	9	5'6	
	Kamathipura Mixed Urdu ..	25	0	..	
TARDEO	Foras Road Marathi Boys ..	181	18	10'0	1 Umarkhadi. 1 Dhobi Talao. 1 ex Bombay. 2 Tarwadi.
	Foras Road Marathi Girls ..	51	1	2'0	
	Gilder Tank Marathi Boys ..	112	23	20'5	
	Gilder Tank Marathi Girls ..	70	6	8'6	
	Gilder Tank Gujarati Boys ..	64	3	4'7	
	Gilder Tank Gujarati Girls ..	70	8	11'4	
Ward D MAHALAKSHMI	Mahalakshmi Marathi ..	71	4	5'6	1 ex Bombay. 3 ex Bombay.
	Tardeo Bridge Marathi Boys ..	133	12	9'0	
	Tardeo Bridge Marathi Girls ..	47	3	6'4	
	Grant Road Marathi Boys ..	165	13	8'0	
	Grant Road Marathi Girls ..	101	4	4'0	
	Shankarshett Road Marathi Boys.	102	10	10'0	
	WALKESHWAR	Banganga Marathi ..	98	4		4'0	1 ex Bombay.
Ratanal Mulji Gujarati ..		77	1	1'3	
Walkeshwar Urdu Boys ..		9	0	..	
Walkeshwar Marathi Boys ..		46	1	2'2	

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN—*contd.*

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
KHETWADI ..	Lamington Road Marathi Boys .	225	19	8.5	
	Lamington Road Marathi Girls .	170	5	2.9	
	Falkland Road Urdu ..	36	0	..	
	West Khetwadi Marathi Boys ..	118	3	2.6	
	West Khetwadi Marathi Girls ..	63	4	6.3	
	Khetwadi Gujarati Girls ..	20	0	..	
	Sandhurst Road Gujarati Boys .	69	7	10.5	
	Angrewadi Marathi Boys ..	120	7	5.8	
	Angrewadi Marathi Girls ..	152	5	3.3	
	Khetwadi A. V. Marathi ..	57	7	12.3	
CHOWPATI ..	Gamdevi Marathi Boys ..	181	32	17.7	
	Gamdevi Marathi Girls ..	91	6	6.6	
	Gamdevi Gujarati Boys' ..	116	7	6.0	2 ex Bombay.
	Charni Road Marathi Boys ..	92	9	9.8	
	Charni Road Marathi Girls ..	125	3	2.4	
GIRGAUM ..	Girgaum Gujarati Boys ..	92	6	6.5	1 ex Bombay.
	Girgaum Gujarati Girls ..	82	1	1.2	
	Kandewadi Gujarati Boys ..	178	3	1.7	
	Kandewadi Marathi Boys ..	154	4	2.6	
	Kandewadi Marathi Girls ..	118	5	4.3	
	Mughbat Marathi Girls ..	141	8	5.7	
	Girgaum Marathi Boys ..	210	24	11.4	{ 1 ex Bombay. 1 Parel.
	Girgaum Marathi Girls ..	146	5	3.4	1 ex Bombay.
	Mughbat Marathi Boys ..	183	10	5.4	
	S. S. Bengalee Gujarati Girls ..	89	7	7.9	
	South Girgaum Marathi Boys ..	219	15	6.9	
	South Girgaum Marathi Girls ..	168	3	1.8	
	C. P. Tank Gujarati Boys ..	144	15	10.4	{ 3 ex Bombay. 1 Mahalakshmi.
	C. P. Tank Gujarati Girls ..	86	3	3.6	1 Mahim.
Ward C					
KUMBHARE WADA.	Durgadevi Marathi Girls ..	81	2	2.5	
	Jesharam Premji Gujarati Boys .	101	5	5.0	2 ex Bombay.
	Jesharam Premji Gujarati Girls .	57	0	..	
	Parmanand Raja Marathi Boys.	135	1	0.8	

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN—*contd.*

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
KUMBHARWADA— <i>contd.</i>	Nal Bazaar Marathi Boys ..	114	6	4·1	1 ex Bombay.
	Islampura Urdu Boys ..	43	2	4·7	
	Islampura Urdu Girls ..	19	0	..	
	Nal Bazaar Gujarati Boys ..	156	13	8·3	
	Nal Bazaar Gujarati Girls ..	74	1	1·4	
	Sutar Lane Marathi Boys ..	122	4	3·3	
	Sutar Lane Marathi Girls ..	55	0	..	
KHARA TALAO.	Chimna Butcher Urdu Girls ..	20	0	..	
	Mutton Street Urdu Boys ..	51	3	6·0	
	Yakub Street Urdu Boys ..	50	8	16·0	
	Yakub Street Urdu Girls ..	70	7	10·0	1 Parel.
	Khara Talao Urdu Boys ..	67	8	12·0	1 ex Bombay.
	Khara Talao Urdu Girls ..	34	1	3·0	
	Nal Bazaar Urdu Boys ..	57	3	5·3	
	Nal Bazaar Urdu Girls ..	41	1	2·4	
BHULESHWAR.	Nizampura Urdu Boys ..	119	4	3·4	
	Nizampura Urdu Girls ..	72	1	1·4	
	Ali Umar Urdu Boys ..	38	2	5·3	
	Kika Street Gujarati Boys ..	124	5	4·0	1 ex Bombay.
	Kika Street Gujarati Girls ..	129	2	1·6	1 ex Bombay.
	Ghogari Mohulla Urdu Boys ..	40	4	10·0	
	Ghogari Mohulla Urdu Girls ..	47	3	6·4	
	Bhendy Bazaar Gujarati Boys ..	75	6	8·0	1 ex Bombay.
	Bhuleshwar Gujarati Girls ..	140	6	4·3	
	Bhuleshwar L. P. Gujarati Girls.	86	2	2·3	
Bhuleshwar A. V. Gujarati Boys.	436	19	4·4	2 ex Bombay.	
FANASWADI ..	Thakurdwar Marathi Boys ..	208	15	7·2	
	Thakurdwar Marathi Girls ..	165	3	1·8	
	Navi Wadi Marathi Girls ..	176	3	1·7	1 ex Bombay.
DHOBI TALAO.	Valibhal Gujarati Girls ..	267	9	3·4	
	Navi Wadi Marathi Boys ..	220	12	5·9	
	Kalbadevi Marathi Boys ..	97	8	8·2	
	Kalbadevi Marathi Girls ..	45	4	9·0	
	N. R. Gujarati Boys ..	261	19	7·3	
	Buddhivardhak Gujarati Boys ..	174	19	10·9	
	Dhobi Talao Marathi ..	62	6	9·7	2 ex Bombay.

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN—*contd.*

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
DHOBI TALAO <i>—contd.</i>	Princess Street Urdu Boys ..	38	0	..	
	Princess Street Urdu Girls ..	25	0	..	
	Princess Street Gujarati Boys ..	41	3	7·6	
MARKET ..	Abdul Behman Street Gujarati Boys.	53	4	7·6	1 ex Bombay.
	Kapad Bazaar Gujarati Boys ..	166	9	5·4	1 ex Bombay.
	Kapad Bazaar Gujarati Girls ..	102	5	4·9	1 Worl.
	Kalbadevi Gujarati Girls ..	292	17	6·0	1 ex Bombay.
	Lord Harris Gujarati Boys ..	193	16	8·3	{ 2 ex Bombay. 2 Parel. 1 Mahalakshml.
	Princess Street Gujarati Girls ..	114	10	8·7	1 ex Bombay.
Ward B					
UMARKHADI ..	Dongri A. V. Marathi Boys ..	172	32	18·6	{ 2 ex Bombay. 1 Parel. 1 Byculla.
	Dongri Marathi Girls ..	118	10	8·5	
	Imamwada Urdu Boys ..	80	11	13·7	
	Memonwada Urdu Girls ..	69	5	7·3	
	Nishanpada Urdu ..	58	4	7·0	
	Murgha Mohulla Urdu Boys ..	15	1	6·6	
	Murgha Mohulla Urdu Girls ..	29	2	7·0	
	J. B. Urdu Boys ..	43	1	2·3	
	Chhatrisarang Urdu Girls ..	56	1	1·8	
Kohoja Mohulla Urdu ..	65	8	12·3	1 ex Bombay.	
DONGRI ..	Nutan Dongri Marathi Boys ..	182	39	21·4	
	Chinchbunder Marathi Boys ..	78	13	16·6	
	J. P. Gujarati Girls ..	55	3	5·3	
CHUCKLA ..	Kolsa Mohulla Urdu Boys ..	49	7	14·3	
	Kolsa Mohulla Urdu Girls ..	70	12	17·1	
	Nagdevi Gujarati Girls ..	67	1	1·5	
	Rangari Mohulla Urdu Boys ..	28	0	..	
	Rangari Mohulla Urdu Girls ..	23	0	..	
MANDVI ..	Khoja Mohulla Urdu Girls ..	53	2	3·8	
	Musjid Bunder Gujarati Girls ..	41	2	4·9	
	Peraj Padmasi Gujarati Girls ..	155	16	10·3	1 ex Bombay.
	Padmabal Urdu ..	67	6	9·0	
	Old Bengalipura Urdu Boys ..	44	4	9·1	

RESULTS OF SPLEEN CENSUS OF MUNICIPAL SCHOOL CHILDREN—concl'd.

Ward and Section	Name of School	Number examined	Number showing enlarged spleen	Per cent. showing enlarged spleen	Remarks
MANDVI—cont'd.	Old Bengalpura Urdu Girls ..	17	1	5.9	2 ex Bombay.
	Mandvi Gujarati Boys ..	26	0	..	
	Mandvi Gujarati Girls ..	33	2	6.1	
	Madhavrao Rokde Marathi Boys.	130	11	8.5	
	Mandvi Marathi Girls ..	44	0	..	
	Dana Bunder Gujarati Boys ..	24	7	29.2	
Ward A					
ESPLANADE ..	Crawford Market Marathi Boys..	114	13	11.4	
	Lord Harris Marathi Boys ..	179	16	8.4	
	Lord Harris Marathi Girls ..	53	0	..	
FORT NORTH .	Rambhabai Gujarati Girls ..	40	5	12.5	2 Byculla.
	Fort Marathi Boys ..	126	14	11.1	
	Fort Urdu ..	58	8	13.8	
	Fort Gujarati ..	43	20	46.5	
MIDDLE AND LOWER COLABA.	Colaba Urdu ..	22	3	13.8	1 ex Bombay.
	Colaba Marathi Boys ..	200	22	11.0	1 ex Bombay.
	Total Number Examined ..	27,647	2,249	8.1	