

**SUPPLEMENT**  
TO THE  
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PART I.

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**VITAL STATISTICS OF TOWNS IN CEYLON IN THE MONTH OF SEPTEMBER, 1919.**

**REPORT OF THE REGISTRAR-GENERAL.**

THIS report deals with the Vital Statistics of the 33 principal towns in the Island proclaimed under sections 31-36 of the Ordinance No. 1 of 1895:

**Births.**

2. The number of births registered was 1,229 (612 males and 617 females), and was equivalent to an annual rate of 23·02 per 1,000, against 18·91 in the preceding month, 25·22 in the corresponding month of last year, and 26·31 the average for the corresponding months since 1909. The rate ranged from 5·28 in Ambalangoda to 45·67 in Kalutara.

3. In the city of Colombo the births registered numbered 440 (229 males and 211 females), and were equivalent to an annual rate of 18·73 per 1,000, against 17·18 in the preceding month, 19·97 in the corresponding month of last year, and 21·76 the average for the corresponding months since 1909. The rate ranged from 8·85 in Kollupitiya to 21·65 in Wellawatta.

**Deaths.**

4. The total deaths registered during the month numbered 1,559 (855 males and 704 females). There were 1,139 deaths of residents in towns, equivalent to an annual rate of 23·26 per 1,000, against 28·16 in the preceding month, 35·12 in the corresponding month of last year, and 28·24 the average for the month of September in each year since 1909. The rate ranged from 100·96 in Nawalapitiya to 5·50 in Nuwara Eliya.

5. In the city of Colombo the deaths numbered 570 (313 males and 257 females). There were 459 deaths of residents, equivalent to an annual rate of 22·67 per 1,000, against 26·38 in the preceding month, 33·16 in the corresponding month of last year, and 27·65 the average for the month of September in each year since 1909. The rate ranged from 27·06 in Wellawatta to 9·15 in Kollupitiya.

6. The stillbirths registered numbered 79 (40 males and 39 females), as against 74 in the preceding month.

**Infant Mortality.**

7. The mortality of infants under one year of age was equal to a rate of 194 per 1,000 births registered during the twelve months ended September 30, 1919. Reckoned on the births registered during the month only the rate was 213, against 285 in the preceding month, 267 in the corresponding month of last year, and 239 the average for the corresponding months since 1909.

8. In the city of Colombo the mortality of infants was equal to a rate of 207 per 1,000 births registered during the twelve months ended September 30, 1919. Reckoned on the births registered during the month only the rate was 227, against 292 in the preceding month, 308 in the corresponding month of last year, and 258 the average for the corresponding months since 1909.

**Causes of Death.**

9. The highest mortality was from *Pneumonia*, to which 13 per cent. of the total deaths was due, 8 per cent. each was due to *Phthisis* and *Debility*, 7 per cent. each to *Anchylostomiasis* and *Convulsions*, 6 per cent. to *Diarrhœa*, 4 per cent. each to *Enteritis* and *Dysentery*, 3 per cent. each to *Bright's Disease and Nephritis*, *Enteric Fever*, *Malaria and Malarial Cachexia*, and *Influenza*, and 1 per cent. each to *Bronchitis*, *Prematurity*, and *Puerperal Septicæmia*.

10. In Colombo too the highest mortality was from *Pneumonia*, to which 12 per cent. of the deaths was due, 11 per cent. was due to *Phthisis*, 7 per cent. to *Debility*, 6 per cent. to *Convulsions*, 5 per cent. to *Enteric Fever*, 4 per cent. to *Enteritis*, 3 per cent. each to *Dysentery*, *Influenza*, and *Bright's Disease and Nephritis*, 2 per cent. each to *Bronchitis* and *Diarrhœa*, and 1 per cent. each to *Prematurity* and *Tetanus*.

11. Five deaths from *Plague* were registered (in Colombo), as against 2 in the preceding month. One death from *Cholera* was registered in Hambantota, as against 76 in the previous month.

12. *Infectious Diseases reported.*—The infectious disease most prevalent during the month was *Phthisis*, of which 140 cases were reported (131 in Colombo), followed by *Enteric Fever* 91 (67 in Colombo, 10 in Moratuwa), *Measles* 53 (49 in Colombo), *Chickenpox* 49 (22 in Colombo), 8 in Matale, 6 in Badulla), *Continued Fever* 34 (22 in Colombo), 8 in Moratuwa), *Mumps* 12 (10 in Colombo), *Plague* 6 (in Colombo), *Dysentery* 4 (3 in Kurunegala), and *Cholera* 1 (in Hambantota).

**Meteorology.**

13. *Rainfall.*—Ratnapura recorded the highest rainfall (38·11 inches), followed by Nawalapitiya (37·56 inches). In the other towns the rainfall ranged from 30·39 inches in Matara to 0·71 of an inch in Kalpitiya. Colombo recorded 16·74 inches.

14. *Temperature.*—The mean temperature varied from 60·1° in Nuwara Eliya to 84·2° in Trincomalee, and was 79·8° in Colombo.

15. For detailed statistics, see Tables I. and II. for all towns, and Tables III. and IV. for the city of Colombo, in the Appendix.

Registrar-General's Office,  
Colombo, October 25, 1919.

N. W. MORGAPPAH,  
Acting Registrar-General.

Table I.—Number of Births and Deaths registered during September, 1919, their Proportion per 1,000 of the Population per Annum, and the Stillbirths and the Deaths of Children under One Year and their Proportion in the corresponding months since 1909, and the Mean Temperature and Rainfall in the Month in each Town of the Island proclaimed under Sections 31-36 of the Ordinance No. 1 of 1895.

Provinces and Towns.	Population of (inclusive of the Military) at the Census of March 10, 1911.	Population of estimated of the 31st of Dec. 1919 by Inter-censal Increase.	Total Births.		Total Deaths.		Total Stillbirths.		Deaths of Town Residents.		Birth-rate.		Standardized <sup>a</sup> .		Mortality of Children under One Year.		Mean Rainfall in Inches.				
			Males.	Females.	Males.	Females.	Males.	Females.	Sept. 1919.	Average Birth-rate for Sept. 1909-1918.	Crude, Sept. 1919.	Sept. 1919.	Average Death-rate for Sept. 1909-1918.	Number registered during Sept. 1919.	Its proportion to 1000 births registered during the year ended the last day of Sept., 1919.	Its proportion per annum to 1000 births registered during the year ended the last day of Sept., 1919.					
All 33 Towns ..	517,877	649,472	612,617	1,229	855	704	1,559	40	39	79	411	1,139	23.02	26.31	21.34	23.26	28.24	262	213	194	79.8
<i>Western.</i>																					
Colombo ..	219,557	285,795	229,211	440	313	257	570	10	16	26	105	459	18.73	21.76	19.54	22.67	27.65	100	227	207	16.74
Negombo ..	13,045	27,038c	33	66	35	24	59	4	4	4	9	50	29.70	31.70	22.50	23.51	25.29	7	106	96	14.43
Moratuwa ..	27,256	30,902	41	84	35	39	74	2	2	4	2	72	33.07	38.46	28.35	31.26	33.48	22	262	245	—
Kalutara ..	13,005	14,386	25	29	16	18	34	2	4	6	7	27	45.67	25.32	22.83	22.69	23.19	7	129	190	25.67
Panadura ..	8,709	7,936	6	8	6	5	11	—	—	—	2	9	21.46	24.27	13.80	16.42	27.57	—	—	—	—
<i>Central.</i>																					
Kandy ..	30,149	33,197	35	42	55	41	96	1	2	3	37	59	28.22	24.89	21.62	23.57	31.07	12	156	151	75.2
Gampola ..	8,521	7,560	8	5	13	13	29	1	1	1	12	17	20.95	28.38	27.40	28.43	28.19	1	77	63	12.08
Nawalapitiya ..	3,767	4,061	5	4	9	15	16	1	1	2	31	26.96	34.15	92.87	100.96	24.37	24.37	3	333	429	18.82
Hatton and Dikoya ..	3,025	3,187	3	3	23	11	34	—	—	—	32	2	22.91	22.06	7.63	8.92	21.18	3	500	487	37.56
Matale ..	6,792	8,073d	14	11	25	22	45	—	—	—	24	21	37.68	28.31	31.65	36.37	38.19	5	200	248	17.17
Nuwara Eliya ..	14,910	15,131e	6	5	11	8	12	1	—	1	6	6	8.84	15.62	4.83	5.50	11.45	3	273	198	8.31
<i>Southern.</i>																					
Galle ..	39,936	42,418	35	34	46	54	100	5	3	8	24	76	19.79	23.22	21.80	21.34	25.18	19	275	206	11.60
Ambalangoda ..	13,851	17,529d	19	16	22	24	46	1	—	1	8	38	24.29	32.79	26.88	25.83	23.39	7	200	152	24.70
Matara ..	8,872	9,484	10	10	7	8	16	1	—	—	15	8	25.13	31.69	18.85	16.98	14.16	1	50	37	30.39
Weligama ..	3,318	3,318	4	3	7	2	9	1	1	2	1	8	25.67	42.28	29.33	32.80	32.91	3	428	287	4.78
Hambantota ..	3,505	6,187d	7	5	3	4	7	—	—	—	3	4	23.60	37.69	7.87	8.04	29.73	—	—	—	—
Tangalla ..																					
<i>Northern.</i>																					
Jaffna ..	40,441	46,858	46	67	39	57	96	2	4	6	4	92	29.34	34.12	23.89	24.40	30.99	26	230	237	12.96
Mannar ..	3,777	4,191	3	3	4	2	6	1	—	1	1	5	17.42	40.22	14.52	15.98	36.53	1	166	114	83.0
Mullaitivu ..	1,392	1,466	1	1	2	3	5	—	—	—	3	2	16.59	46.73	16.60	22.00	30.15	—	—	—	2.27
Vavuniya ..	808	1,087	—	—	—	3	5	—	—	—	1	4	—	22.15	44.77	60.79	44.55	—	—	—	2.79
<i>Eastern.</i>																					
Baticaloa ..	10,671	11,290	23	19	18	12	30	2	—	2	4	26	45.26	43.80	28.02	27.63	38.69	8	190	205	7.21
Kalmunai ..	—	2,124	4	3	7	9	14	1	—	1	7	7	40.09	54.27	40.09	—	—	2	286	213	83.8
Trincomalee ..	8,840	11,136	10	11	21	6	10	1	1	1	16	16	22.94	33.37	17.48	19.19	36.22	5	238	206	2.37
<i>North-Western.</i>																					
Kurunegala ..	8,167	9,931	8	13	21	34	60	2	—	2	34	24	25.73	29.24	29.40	30.20	39.51	9	429	393	10.26
Puttalam ..	5,990	6,830	9	6	15	14	20	—	—	—	3	17	26.72	29.82	30.28	32.39	31.48	5	333	275	81.1
Kalpitiya ..	1,591	1,691	2	3	5	4	5	—	—	—	—	5	35.97	22.86	35.97	—	—	1	200	381	4.90
Chilaw ..	5,033	6,274d	4	6	10	10	16	1	1	1	8	8	19.39	25.35	15.51	14.87	29.64	2	200	135	0.71
<i>North-Central.</i>																					
Anuradhapura ..	5,361	7,368	1	5	6	17	5	22	—	1	5	17	9.92	24.33	28.11	34.44	43.39	—	—	—	11.77
<i>Uva.</i>																					
Badulla ..	6,487	7,361d	11	7	18	15	24	3	1	4	14	10	29.75	33.98	16.53	18.24	30.63	3	166	144	6.91
Lunungala ..	515	629	1	1	20	4	24	—	—	—	22	2	19.36	38.85	38.72	—	—	3	—	—	4.38
<i>Sabaragamuwa.</i>																					
Retnapura ..	5,476	7,543d	6	4	10	19	8	27	—	2	23	4	16.13	22.30	6.45	7.31	37.13	2	200	139	5.72
Kegalla ..	2,536	2,712	3	5	8	4	12	2	—	2	10	2	35.90	24.14	8.97	8.23	38.41	1	125	145	38.11

<sup>a</sup> The standardized death-rates represent the crude death-rates multiplied by the respective standardizing factor in order to make correction for differences of sex- and age-constitution of the several populations in 1911 as compared with that of the Island. <sup>b</sup> Blanks indicate that there are no observations or rain gauges. <sup>c</sup> Includes population of the Negombo Local Board and registration area. <sup>d</sup> This increase of population is due to the extension of the town limits. <sup>e</sup> Estimated to the end of December, 1918, by natural increase method of the Registrar General's Office. <sup>f</sup> Standardized death-rates for Kalpiya and Lunungala towns are not available, as the population of these towns has not been enumerated at the Census of 1911 by age and sex, while the town of Kalmunai was created a registration division only in January, 1914, and Ambalangoda in January, 1915. The death-rates given for "All Towns" is, therefore, independent of the towns, but is scarcely affected by their rates.





Table III.—Number of Births and Deaths registered during the Month of September, 1919, and the Deaths of Children under One Year, and their Proportion per 1,000 of the Registered Births, together with the Average Birth- and Death-rates for September, 1909 to 1918, in each Ward of the City of Colombo.

Wards.	Population (inclusive of Military) at the Census of 1911.	Population Estimated to Middle of 1919 by Inter-censal Increase.	Total Births registered.			Stillbirths.			Total Deaths including Deaths in Hospitals and Jails.			Deaths of Non-residents.	Deaths of Residents.	Per Mille per Annum.				Mortality of Children under one Year.				
			Total Births registered.		Stillbirths.		Total Deaths including Deaths in Hospitals and Jails.			Birth-rate.*				Death-rate.*		Standard-Death-rates.†	Number registered during Sept., 1919.	Its proportion to 1000 births registered during Sept., 1919.	Its proportion to 1000 births registered during the Year ended last day of Sept., 1919.			
			Males.	Females.	Males.	Females.	Persons.	Males.	Females.	Persons.	Sept., 1919.			Average for Sept., 1909 to 1918.	Sept., 1919.					Average for Sept., 1909 to 1918.		
City of Colombo ..	219,557	285,795	229	211	440	10	16	26	313	257	570	111	459	18.73	21.76	19.54	24.30	22.67	100	227	207	
Fort and Galle Face	3,512	3,512†	—	—	—	—	—	—	3	—	3	3	—	—	—	—	—	—	—	—	—	
Pettah ..	7,974	7,974†	2	1	3	—	—	—	8	—	8	—	8	4.58	5.27	12.21	9.49	—	—	—	—	
San Sebastian ..	11,546	13,780	10	3	13	—	1	1	11	7	18	—	18	11.48	15.46	15.89	20.35	—	5	385	258	
St. Paul's ..	24,735	29,210	20	11	31	1	3	4	22	14	36	—	36	12.88	13.80	14.99	19.90	—	13	420	385	
Kotahena ..	40,771	48,168	37	35	72	3	2	5	30	42	72	—	72	18.19	19.82	18.19	20.82	—	15	208	183	
New Bazaar ..	22,309	27,362	20	20	40	—	—	—	17	19	36	—	36	17.79	21.34	16.01	23.32	—	5	125	128	
Maradana Hospitals			59	61	120	4	8	12	103	74	177	88	89	—	—	—	—	—	15	—	—	—
Maradana (exclusive of Hospitals) ..	48,093	70,574	30	32	62	2	1	3	48	49	97	7	90	10.69	16.60	15.52	19.08	—	23	371	288	
Slave Island ..	21,984	27,353	21	17	38	—	—	—	23	19	42	2	40	16.90	21.60	17.79	20.84	—	9	237	225	
Kolupitiya ..	25,410	39,878	16	13	29	—	—	—	26	15	41	11	30	8.85	13.45	9.15	12.94	—	10	345	360	
Wellawatta ..	13,223	17,984	14	18	32	—	1	1	22	18	40	—	40	21.65	26.77§	27.06	30.87§	—	5	156	119	

\* The city-rate is worked differently from the ward-rates, and takes into account events in hospitals, &c., not assignable to wards.

† For explanation of "standardized death-rate" see note a, Table I. The population of the several wards of the city not being available by age- and sex-constitution, their standardized death-rates cannot be calculated.

‡ The population of these two wards being a fluctuating one, their population cannot be estimated to the middle of 1919. Hence the Census figures are retained.

§ Average for months of September, 1912-1918.

Table IV.—Causes of Deaths registered during the Month of September, 1919, in each Ward and of each Race in the City of Colombo.

Causes of Death.	City of Colombo.	Wards.											Deaths among all Races.						
		Fort and Galle Face.	Pettah.	San Sebastian.	St. Paul's.	Kotahena.	New Bazaar.	Maradana Hospitals.	Maradana (exclusive of Hospitals).	Slave Island.	Kollupitiya.	Wellawatta.	Europeans.	Burghers.	Sinhalese.	Tamil.	Moors.	Malays.	Others.
All Causes	570	3	8	18	36	72	36	177	97	42	41	40	5	18	318	109	83	17	20
I.—Infantile Mortality	100	—	—	5	13	15	5	15	23	9	10	5	—	3	47	25	18	5	2
<i>A.—One Week and under.</i>																			
1. Prematurity ..	6	—	—	—	1	2	1	1	—	—	—	1	—	1	3	2	—	—	—
2. Debility ..	8	—	—	—	1	1	1	2	4	—	—	—	—	3	2	2	—	1	—
3. Convulsions ..	7	—	—	1	2	1	1	—	2	—	—	—	—	1	3	2	—	1	—
4. Diarrhoea ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4a. Enteritis ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Tetanus ..	3	—	—	—	—	—	—	1	—	1	1	—	—	1	1	—	—	1	—
6. Bronchitis ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. Pneumonia ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Other Causes ..	2*	—	—	—	—	—	—	—	—	—	1	1	—	1	1	—	—	—	—
<i>B.—Over 1 Week and under 1 Year.</i>																			
1. Prematurity ..	2	—	—	—	—	—	—	1	—	1	—	—	—	—	1	1	—	—	—
2. Debility ..	22	—	—	1	—	3	1	4	7	4	1	1	—	2	10	4	4	1	1
3. Convulsions ..	22	—	—	3	7	3	2	—	5	—	1	1	—	—	9	6	6	1	—
4. Diarrhoea ..	2	—	—	—	—	2	—	—	—	—	—	—	—	—	2	—	—	—	—
4a. Enteritis ..	3	—	—	—	—	1	—	—	1	—	1	—	—	—	3	—	—	—	—
5. Tetanus ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—
6. Bronchitis ..	4	—	—	—	1	—	—	—	—	1	2	—	—	—	1	2	1	—	—
7. Pneumonia ..	9	—	—	—	1	1	—	3	2	2	1	1	—	—	7	1	1	—	—
8. Other Causes ..	10†	—	—	—	—	1	—	3	2	2	2	—	—	5	2	2	—	—	1
II.—General Mortality (1 Year and over)	470	3	8	13	23	57	31	162	74	33	31	35	5	15	271	84	65	12	18
1. Plague ..	5	—	2	—	1	1	—	—	—	—	—	1	—	—	—	2	3	—	—
2. Smallpox ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Chickenpox ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Measles ..	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—
5. Influenza ..	16	—	4	1	2	1	2	—	4	1	—	1	—	1	5	6	4	1	—
6. Pyrexia or Fever ..	5	—	—	1	—	—	1	—	1	1	1	—	—	—	5	—	—	—	—
7. Enteric Fever ..	31	—	—	2	2	1	1	8	4	1	1	11	1	2	17	2	8	1	—
8. Malaria ..	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—
9. Malarial Cachexia ..	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Cholera ..	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—
11. Diarrhoea ..	8	—	—	—	—	4	—	1	1	1	—	1	—	—	5	2	1	—	—
11a. Enteritis ..	22	—	—	—	—	4	—	14	2	—	1	1	—	—	16	4	1	—	—
12. Dysentery ..	18	—	—	—	2	5	—	4	3	1	3	—	—	—	11	5	2	—	1
13. Anchylostomiasis or Dochmius Duodenalis ..	4	—	—	—	—	—	—	1	3	—	—	—	—	—	2	2	—	—	—
14. Cancer ..	5	—	—	—	—	—	—	5	—	—	—	—	—	1	3	1	—	—	—
15. Phthisis ..	65	1	—	1	1	8	4	27	7	4	10	2	—	3	46	9	5	—	2
16. Other Tuberculous Diseases ..	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
17. Anæmia ..	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
18. Diabetes Mellitus ..	5	—	—	—	—	—	—	2	1	—	—	1	—	—	4	—	—	—	—
19. Convulsions ..	8	—	—	—	3	1	3	—	1	—	—	2	1	—	4	—	—	—	—
20. Tetanus ..	5	—	—	—	2	—	—	2	—	—	—	1	—	—	5	3	—	—	—
21. Bronchitis ..	10	—	—	—	—	2	—	—	—	2	1	1	—	—	2	2	1	—	—
22. Pneumonia ..	58	—	—	2	—	4	2	32	10	4	2	2	—	3	32	10	6	1	6
23. Other Diseases of the Respiratory System ..	7	1	—	—	1	1	—	3	1	—	—	—	—	—	3	3	—	—	1
24. Bright's Disease and Nephritis ..	16	—	—	—	1	1	2	8	2	2	—	—	1	1	8	—	4	1	1
25. Puerperal Eclampsia ..	1	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—
26. Puerperal Septicæmia ..	4	—	—	—	—	—	—	2	1	1	—	—	—	—	3	—	1	—	—
27. Miscarriage ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28. Other undefined Accidents of Childbirth ..	3	—	—	—	—	1	—	1	—	1	—	—	—	—	2	1	—	—	—
29. Starvation ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30. Accidents or Negligence ..	9	—	—	1	2	—	1	5	—	—	—	—	—	—	6	2	1	—	—
31. Homicide ..	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
32. Suicide ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
33. Execution ..	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34. All Other Causes ..	155†	1	2	5	6	23	11	44	28	14	12	9	2	4	85	25	24	8	7

\* From Atelectasis.

† Three deaths each from Syphilis and Want of Breast Milk, 2 from Nephritis, and 1 each from Dysentery and Stomatitis.

‡ Here are included 49 deaths from Old Age, 13 each from Paralysis and Intestinal Parasites, 11 from Rickets, 8 from Debility, and 5 from Cerebral Hæmorrhage.