

SUPPLEMENT
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PART I.

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**VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF OCTOBER, 1912.**

REPORT OF THE REGISTRAR-GENERAL.

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

Births.

2. The births registered in the 31 towns during the month numbered 1,199 (626 males and 573 females), and were equal to an annual rate of 26·61 per 1,000, against 27·01 during the preceding month, 28·05 in the corresponding month of last year, and 29·56 the monthly average for the sixty months, July, 1907, to June, 1912. Of the towns (excluding Vavuniya and Lunugala, which have a population under 1,000), the highest birth-rate was in Hambantota (60·43, average 37·18), and the lowest in Kalpitiya (7·33, average 24·47).

3. In the city of Colombo* the births numbered 446 (235 males and 211 females), and were equal to an annual rate† of 23·20 per 1,000, against 22·74 in the preceding month, 23·29 in the corresponding month of last year, and 25·19 the monthly average. Of the wards (omitting Fort and Galle Face and the Pettah, which contain a mainly floating population), the highest birth-rate was in Wellawatta (23·64, average 30·64), followed by Slave Island (23·33, average 23·74), and the lowest was in Kollupitiya (10·13, average 17·02).

Deaths.

4. The deaths registered in the 31 towns during the month numbered 1,329 (763 males and 566 females), and were equal to an annual rate of 25·87 per 1,000, against 27·40 in the preceding month, 31·47 in the corresponding month of last year, and 30·79 the monthly average. Of the towns (excluding Vavuniya and Lunugala), the highest death-rate was in Anuradhapura (68·16, average 56·29), and the lowest was in Panadure (10·52, average 25·96).

5. In the city of Colombo* the deaths registered numbered 501 (285 males and 216 females), and were equal to an annual rate† of 25·70 per 1,000, against 26·74 in the preceding month, 32·40 in the corresponding month of last year, and 32·29 the monthly average. Omitting Fort and Galle Face Ward and the Pettah Ward, the lowest death-rate was in Kollupitiya (5·29, average 18·89), and the highest in Wellawatta (30·65, average 26·08).

Infantile Mortality.

6. The infantile mortality of the 31 towns was equal to a rate of 233 per 1,000 births registered, against 261 in the preceding month, 266 in the corresponding month of last year, and 257 the monthly average. In the towns having an estimated population of 5,000 or more, the infantile mortality ranged from 750 in Anuradhapura (average 424), 429 in Badulla (average 258), 385 in Nuwara Eliya (average 285), to 111 each in Trincomalee, Kurunegala, and Kalutara (average 283, 352, and 163 respectively), and 91 in Weligama (average 101).

7. The infantile mortality in the city of Colombo was 260 per 1,000 births registered, against 265 in the preceding month, 319 in the corresponding month of last year, and 316 the monthly average, and ranged from 511 in New Bazaar (average 398) to 185 in Kotahena (average 322).

Causes of Death.

8. *Infants.*—Out of the 1,329 deaths at all ages in the 31 towns, 279 were among infants under one year. Of these, the chief causes were 83 *Convulsions* (including 41 in Colombo, 6 in Kandy); 47 *Debility* (13 in Colombo, 9 in Jaffna); 38 *Premature Birth* (11 in Colombo, 7 in Moratuwa); 25 *Tetanus* (8 in Galle, 6 in Colombo); 24 *Pneumonia* (13 in Colombo, 3 in Galle); 16 *Bronchitis* (8 in Colombo, 7 in Jaffna); 7 *Diarrhoea* (3 in Colombo); 6 *Enteritis* (3 in Colombo)

9. In the city of Colombo, out of the 501 deaths from all causes at all ages, 116 were among infants under one year. Of these, the chief causes were 41 *Convulsions* (14 in Maradana, exclusive of hospitals, 9 in New Bazaar, 7 in Slave Island, 13 *Debility* (8 in New Bazaar); 13 *Pneumonia* (5 in Maradana, exclusive of hospitals, 3 in Slave Island); 11 *Premature Birth* (5 in Maradana hospitals, 3 in Maradana, exclusive of hospitals); 8 *Bronchitis* (3 in St. Paul's, 2 in New Bazaar); 6 *Tetanus* (5 in Kotahena); 3 *Diarrhoea* (1 each in Maradana, exclusive of hospitals, Slave Island, and Wellawatta); 3 *Enteritis* (2 in New Bazaar).

* Consequent on the extension of the Municipal limits of the Colombo town on November 9 last by the addition of Wellawatta, the limits of the registration division of Kollupitiya Ward was altered with effect from January 1, 1912, by Proclamation of December 18, 1911.

† The city-rate is worked out differently from the ward-rates, and takes into account hospital events, &c., not assignable to wards.

10. **General Mortality (One Year and over).**—Out of the 1,050 deaths of persons one year and over in age in the 31 towns, there were 116 from *Phthisis* (67 in Colombo, 10 in Moratuwa, 7 in Kalutara); 109 from *Pneumonia* (36 in Colombo, 12 in Moratuwa, 11 in Kandy); 95 from *Diarrhœa* (17 in Ratnapura, 11 in Colombo, 7 in Jaffna); 78 from *Dysentery* (19 in Colombo, 12 in Moratuwa, 7 in Nawalapitiya); 51 from *Enteritis* (35 in Colombo, 6 in Badulla); 39 from *Anchylostomiasis* or *Dochmius Duodenalis* (9 in Matale, 8 in Colombo, 6 in Kandy); 31 from *Malarial Cachexia* (5 in Batticaloa, 4 in Ratnapura); 30 from *Convulsions* (13 in Colombo, 4 in Kandy, 3 in Matara); 29 from *Enteric Fever* (16 in Colombo, 5 in Moratuwa, 4 in Jaffna); 26 from *Malaria* (7 in Jaffna, 3 in Anuradhapura); 23 from *Accidents* or *Negligence* (9 in Colombo, 3 in Kandy); 19 from *Puerperal Septicæmia* (3 each in Colombo, Moratuwa, Jaffna, and Galle); 14 from *Bronchitis* (5 in Colombo, 3 in Weligama); 13 from *Bright's Disease* and *Nephritis* (8 in Colombo, 2 in Jaffna); 12 from *Cancers* (5 in Colombo; 2 in Trineomalee).

11. The highest mortality in the city of Colombo was from *Phthisis* (17 per cent. of all deaths one year and over), followed by *Pneumonia* and *Enteritis* (each 9 per cent.), *Dysentery* (nearly 5 per cent.), *Enteric Fever* (4 per cent.), *Convulsions* (3 per cent.). Out of the 116 deaths from *Phthisis* in all towns, 67 occurred in Colombo. *Phthisis* and *Pneumonia* were together responsible for 116 deaths at all ages in the city, or 22 per cent. of the deaths from all causes.

12. Taking all towns together, *Diarrhœa* and *Dysentery* contributed the highest mortality (nearly 14 per cent.), followed by *Bronchitis* and *Pneumonia* (12 per cent.), *Phthisis* (nearly 9 per cent.), *Infantile Convulsions* (8 per cent.), and *Debility* (nearly 7 per cent.).

13. **Infectious Diseases.**—The most prevalent infectious disease during the month was *Phthisis*, of which 69 cases were reported (all in Colombo), followed by *Measles* 67 (35 in Colombo, 9 each in Kandy and Kegalla), *Chickenpox* 67 (19 in Kandy, 17 in Colombo, 10 in Nuwara Eliya, 8 in Trincomalee), *Enteric Fever* 43 (39 in Colombo, 3 in Moratuwa), *Continued Fever* 14 (12 in Colombo), *Dysentery* 9 (all in Moratuwa), *Diphtheria* 6 (all in Colombo), *Diarrhœa* 2 (in Colombo).

Meteorology:

14. **Rainfall.**—Ratnapura records the highest rainfall (26·83 inches), followed by Galle (19·58 inches). The next highest (18·63 inches and 17·01 inches) were in Kalutara and Kurunegala, while in the other towns the rainfall ranged from 15·89 inches in Gampola to 4·31 inches in Badulla.

15. **Temperature.**—The mean temperature varied from 59·3° in Nuwara Eliya to 83·7° in Mannar, and was 80·6° in Colombo and 75·6° in Kandy.

16. For detailed information 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, November 13, 1912.

P. ARUNACHALAM,
Registrar-General.

Table I.—Number of Births and Deaths registered during October, 1912, their Proportion per 1,000 of the Population per Annum, the Deaths of Children under One Year and their Proportion per 1,000 Registered Births, together with the Average Birth- and Death-rates and Infantile Mortality from July, 1907, to June, 1912, 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.

Towns.	Population (inclusive of the Military at the Census of March 10, 1911.)		Population estimated to the middle of 1912 by intercensal increase.		Total Births.		Total Deaths.		Deaths of Town Residents.		Birth-rate.		Death-rate.		Deaths of Children under One Year.	Deaths of Children under One Year of Age to 1,000 Births.	Mean Temperature.	Rainfall in Inches.†	
	Males.	Females.	Males.	Females.	Males.	Females.	Parsons.	Parsons.	Males.	Females.	July, 1907, to June, 1912.	October, 1912.	Corrected.*	July, 1907, to June, 1912.					October, 1912.
All 21 Towns	517,877	527,764	626	573	1,199	763	566	1,329	206	1,102	29.56	26.61	30.79	25.87	279	233	80.6	14.21	
<i>Western Province.</i>																			
Colombo ..	219,557	226,969	235	211	446	285	216	501	38	444	25.19	23.20	32.29	25.70	116	260	80.6	14.21	
Negombo ..	13,045	12,138	30	26	56	24	13	37	3	34	36.32	29.18	25.72	10.91	11	196	—	8.43	
Moratuwa ..	27,256	26,922	56	44	100	44	49	93	1	92	35.67	43.85	23.09	38.09	18	180	—	—	
Kalutara ..	13,005	13,191	21	15	36	19	12	31	10	21	34.07	32.22	28.06	18.31	4	111	—	18.63	
Panadura ..	5,709	5,958	5	7	12	6	4	10	5	5	31.32	23.78	25.96	10.52	1	83	—	—	
<i>Central Province.</i>																			
Kandy ..	30,149	30,627	27	29	56	50	32	82	14	68	27.89	21.59	30.30	27.49	17	304	75.6	10.58	
Gampola ..	5,521	5,751	1	4	5	9	9	18	5	13	35.03	10.26	40.17	23.23	—	—	—	15.89	
Nawalapitiya ..	3,767	3,816	9	5	14	14	12	26	11	15	25.58	43.32	27.24	55.34	5	357	—	—	
Hatton and Dikoya ..	3,025	3,055	—	8	8	9	13	22	15	7	15.38	30.92	—	—	2	250	—	14.22	
Matale ..	5,792	5,900	2	5	7	18	13	31	17	14	30.22	14.01	43.26	31.92	2	286	—	10.31	
Nuwara Eliya ..	14,910	14,824	4	9	13	4	5	9	3	6	15.42	20.72	13.54	12.52	5	385	59.3	8.51	
<i>Northern Province.</i>																			
Jaffna ..	40,441	41,310	66	40	106	60	30	90	2	88	39.68	30.29	34.07	26.50	28	264	81.9	5.32	
Manner ..	3,777	3,573	3	1	4	8	2	10	3	7	41.76	13.22	42.10	26.41	4	—	83.7	9.27	
Mullaitivu ..	1,392	1,402	3	—	3	5	3	8	1	7	36.03	25.26	53.91	64.53	3	—	—	—	
Vavuniya ..	808	840	—	—	—	1	1	2	1	1	24.76	—	105.37	16.90	—	—	—	—	
<i>Southern Province.</i>																			
Galle ..	39,936	40,286	50	50	100	51	42	93	8	85	30.52	29.31	27.44	24.35	21	210	78.5	19.58	
Matara ..	13,851	14,107	20	22	42	12	14	26	1	25	38.61	35.15	24.50	20.26	6	143	—	14.32	
Weligama ..	8,672	8,809	14	19	33	8	4	12	—	12	25.73	44.23	—	—	3	91	—	—	
Hambantota ..	3,092	3,126	9	7	16	8	3	11	2	9	37.18	60.43	34.53	35.59	5	312	80.2	12.51	
Tangalla ..	3,505	3,658	3	4	7	3	1	4	—	4	36.29	22.59	37.08	13.64	1	143	—	10.88	
<i>Eastern Province.</i>																			
Batticaloa ..	10,671	10,767	12	21	33	16	9	25	3	22	31.48	36.19	35.00	24.88	8	242	81.8	9.16	
Trincomalee ..	8,840	8,503	11	7	18	13	6	19	2	17	30.11	24.99	38.13	27.37	2	111	81.9	8.31	
<i>North-Western Province.</i>																			
Kurunegala ..	8,167	8,402	12	6	18	15	11	26	11	15	26.50	25.29	51.46	24.83	2	111	79.6	17.01	
Puttalam ..	5,990	6,105	5	9	14	3	6	8	—	7	35.36	27.07	37.50	13.86	2	143	80.4	11.47	
Kalpitiya ..	1,591	1,610	—	1	1	1	1	2	—	2	24.47	7.33	—	—	1	—	—	—	
Chilaw ..	5,033	5,145	5	6	11	—	5	5	1	4	33.47	25.24	33.96	9.35	—	—	—	9.91	
<i>North-Central Province.</i>																			
Anuradhapura ..	5,361	5,590	6	2	8	19	9	28	—	28	23.77	16.90	56.29	68.16	6	750	81.6	8.33	
<i>Province of Uva.</i>																			
Badulla ..	6,487	6,574	6	8	14	24	19	43	10	33	30.89	25.14	30.04	60.61	6	429	73.8	4.31	
Lunugala ..	515	563	—	—	—	7	4	11	10	1	40.34	—	—	—	—	—	—	—	
<i>Province of Sabaragamuwa.</i>																			
Ratnapura ..	5,476	5,680	8	5	13	24	12	36	23	12	30.48	27.02	44.48	25.81	—	271	78.9	26.83	
Kegalla ..	2,536	2,563	3	2	5	3	7	10	6	4	26.93	23.03	24.29	19.21	—	224	—	—	

* I.e., rate calculated on the basis that the age- and sex-constitution of the population of each town is the same as for the whole Island, and also (as in crude rate) excluding non-residents.
† Infantile death-rate omitted where the number of births is less than five.
‡ Blanks indicate that there are no observations or rain-gauges.
§ This includes the population as added on the extension of the town limits. See note * p. 1.
|| Corrected death-rates for "Hatton and Dikoya", Weligama, Kalpitiya, and Lunugala towns not available, as they were created registration districts after the Census of 1901. The death-rate given for †: All Towns is therefore independent of these towns, but is scarcely affected by their rates.
¶ Estimated to the end of June, 1912, by natural increase method owing to the inability of applying the intercensal method, as the limits of the town were altered between 1901 and 1911.
** Calculated for non-estate events on the population exclusive of the estate population at the Census of 1911.

III.—Number of Births and Deaths registered during the Month of October, 1912, and their Proportion per 1,000 of the Population, and the Deaths of Children under One Year and their Proportion per 1,000 Registered Births, together with the Average Birth- and Death-rates and Infantile Mortality from January, 1908, to June, 1912, in each Ward of the City of Colombo.

Wards.	Population (inclusive of the Military) at the Census of 1911.	Population Estimated to the Middle of 1912 by Intercensal Increase.	Total Births registered.		Total Deaths including Deaths in Hospitals and Jails.		Deaths of Non-residents.	Deaths of Residents.	Per Mille per Annum.				Deaths of Children under One Year.	Deaths of Children under One Year of Age to 1,000 Births registered.			
			Males.	Females.	Persons.	Males.			Females.	Persons.	Birth-rate.	Crude Death-rate.		Corrected Death-rate.*	Average January, 1908, to June, 1912.	October, 1912.†	
			235	211	446	285			216	501		57	444				Average January, 1908, to June, 1912.
City of Colombo..	219,557	226,969	235	211	446	285	216	501	57	444	23·20	28·99	23·10	25·70	116	319	260
Fort and Galle Face	3,512	3,512†	—	—	—	4	2	6	—	6	—	6·86	20·17	—	—	99	—
Pettah ..	7,974	7,974†	2	1	3	4	1	5	1	4	4·44	12·55	5·92	—	—	341	—
San Sebastian ..	11,546	11,877	13	8	21	8	10	18	6	12	20·88	24·79	11·93	—	6	359	286
St. Paul's ..	24,735	25,402	20	15	35	21	14	35	9	26	16·27	24·52	12·08	—	7	413	200
Kotahena ..	40,771	41,827	33	48	81	26	32	58	—	58	22·86	24·50	16·37	—	15	322	185
New Bazaar ..	22,309	23,054	25	20	45	26	26	52	3	49	23·05	28·80	25·09	—	23	398	511
Moradana Hospitals			41	31	72	91	43	134	37	97	—	—	—	—	6	—	—
Moradana (exclusive of Hospitals) ..	48,093	50,272	54	40	94	52	50	102	—	102	22·08	26·60	23·95	—	29	358	309
Slave Island ..	21,984	22,773	21	24	45	21	22	43	—	43	23·33	25·19	22·29	—	14	371	311
Kollupitiya ..	25,410	26,796	11	12	23	9	3	12	—	12	10·13	18·89	5·29	—	7	269	304
Wellawatta ..	13,223	13,482§	15	12	27	23	13	36	1	35	23·64	26·08	30·65	—	9	234	333

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

† Infantile death-rates omitted where number of births is less than five.

‡ The population of these two wards being a fluctuating one, their population cannot be estimated to the middle of 1912. Hence the Census figures are retained.

§ This population is estimated partly on the natural increase method and partly on the intercensal increase method, i.e., population of Wellawatta on the former method (as it was not a separate division at the Census of 1901) and that of the part of Kollupitiya taken over to Wellawatta on the latter method.

|| For the six months, January to June, 1912.

Table IV.—Causes of Deaths registered during the Month of October, 1912, in each Ward and Race of the City of Colombo.

Causes of Deaths.	City of Colombo.	Ward.										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.	Burgbers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.
All Causes	501	6	5	18	35	58	52	134	102	43	12	36	2	28	242	114	84	19	17
I.—Infantile Mortality	116	—	—	6	7	15	23	6	29	14	7	9	—	6	59	17	24	6	4
A.—One Week and under.																			
1. Prematurity	9	—	—	—	—	2	—	4	2	1	—	—	—	—	7	1	1	—	—
2. Debility	9	—	—	—	—	1	6	—	—	—	—	—	—	—	6	2	1	—	—
3. Convulsions	15	—	—	—	—	—	3	—	5	2	1	2	—	—	5	3	6	1	—
4. Diarrhoea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4a Enteritis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Tetanus	6	—	—	—	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Bronchitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. Pneumonia	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Other Causes	3*	—	—	—	—	—	—	—	1	1	—	1	—	—	—	—	—	—	—
B.—Over 1 Week and under 1 Year.																			
1. Prematurity	2	—	—	—	—	—	—	1	1	—	—	—	—	—	2	—	—	—	—
2. Debility	4	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—
3. Convulsions	26	—	—	—	—	—	—	—	9	5	3	—	—	—	16	4	2	3	—
4. Diarrhoea	3	—	—	—	—	—	—	—	1	1	—	—	—	—	2	—	—	—	—
4a Enteritis	3	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
5. Tetanus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Bronchitis	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. Pneumonia	11	—	—	—	—	—	—	—	5	2	—	—	—	—	4	3	2	—	—
8. Other Causes	15†	—	—	—	—	—	—	—	3	—	2	3	—	—	5	2	5	—	—
II.—General Mortality (1 Year and over)	385	6	5	12	28	43	29	128	73	29	5	27	2	17	183	97	60	13	13
1. Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Chickenpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Influenza	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* This represents 3 deaths, 1 each from Congenital Malformation, Umbilical Infection, and "Born weakly."

† This represents 15 deaths, 4 from Rickets, 2 each from Stomatitis, Marasmus, and Malnutrition, and 1 each from Heart Failure due to congenital defects, Snake-bite, Meningococci, Congenital Syphilis, and Peritonitis.

Table IV.—Causes of Deaths registered during the Month of October, 1912, in each Ward and Race of the City of Colombo—*contd.*

Causes of Deaths.	City of Colombo.	Ward.										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.	Wellawatte.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.	
II.—General Mortality (1 Year and over)— <i>contd.</i>																				
5. Pyrexia or Fever ..	3	1		1	5				1	1	4									
6. Enteric Fever ..	16		1					1	1											
7. Malaria ..	1																			
8. Malarial Cachexia ..																				
9. Cholera ..																				
10. Diarrhoea ..	11		1	4			6				1									
10a. Enteritis ..	35			3			19		1		4									
11. Dysentery ..	19			2			8		2		1									
12. Anchylostomiasis or Doehrmus Duo- denalis ..	8						7													
13. Cancer ..	5						2		1											
14. Phthisis ..	67			2	4	4	21	15	6	2										
15. Other Tuberculous Diseases ..	2						1													
16. Anæmia ..	2																			
17. Diabetes Mellitus ..	5						4													
18. Convulsions ..	13																			
19. Tetanus ..	2																			
20. Bronchitis ..	5																			
21. Pneumonia ..	36			2	3	3	10	11	1	2	2									
22. Other Diseases of Respiratory System ..	1						1													
23. Bright's Disease and Nephritis ..	8						2													
24. Puerperal Eclampsia ..	2			2			1													
25. Puerperal Septicæmia ..	3						1													
26. Miscarriage ..																				
27. Other and undefined Accidents of Childbirth ..	5						3													
28. Starvation ..																				
29. Accidents or Negligence ..	9						6	2												
30. Homicide ..																				
31. Suicide ..	1																			
32. Execution ..	2			4				2												
33. All other causes ..	124*	2	3	4	7	21	8	27	9	1	9									

* This includes 27 deaths from Senility (13 in Maradana exclusive of hospitals), 23 from Debility (6 in Kotahena), and 7 from Worms (3 in Kotahena).