

SUPPLEMENT
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**VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF APRIL, 1911.**

REPORT OF THE REGISTRAR-GENERAL.

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

Births.

2. The births registered in the 31 towns during the month numbered 1,194 (602 males and 592 females), and were equal to an annual rate of 28·65 per 1,000, against 33·93 during the preceding month, 26·64 in the corresponding month of last year, and 29·60 the monthly average for the forty-two months, July, 1907, to December, 1910. Of the towns (excluding Vavuniya, which has a population under 1,000), the highest birth-rate was as in the previous month in Mullaittivu (75·73, average 34·40), and the lowest in "Hatton and Dikoya" (8·84, average 15·33).

3. In the city of Colombo* the births numbered 423 (207 males and 216 females), and were equal to an annual rate† of 26·04 per 1,000, against 28·66 in the preceding month, 18·88 in the corresponding month of last year, and 25·23 the monthly average. Of the wards (omitting Fort and Galle Face and the Pettah, which contain a population mainly floating), the highest birth-rate was in Slave Island (26·97, average 24·17), and the lowest as in the previous month in St. Paul's (11·53, average 17·43).

Deaths.

4. The deaths registered in the 31 towns during the month numbered 1,339 (726 males and 613 females), and were equal to an annual rate of 26·44 per 1,000, against 26·84 during the preceding month, 22·11 in the corresponding month of last year, and 30·28 the monthly average. In the towns of Nuwara Eliya, Vavuniya, and Lunugala there were no deaths of residents, the 2, 6, and 21 deaths which occurred respectively in those towns being of non-residents. Of the other towns (excluding Vavuniya), the highest death-rate was in Ratnapura (87·43, average 37·45), and the lowest in Moratuwa (11·74, average 20·21). Tangalla recorded the next lowest (13·39, average 38·77).

5. In the city of Colombo* the deaths registered numbered 475 (270 males and 205 females), and were equal to an annual rate† of 28·44 per 1,000, against 29·31 during the preceding month, 19·06 in the corresponding month of last year, and 32·35 the monthly average. Omitting Fort and Galle Face Ward and the Pettah Ward, the lowest death-rate was as in the two previous months in Kollupitiya (13·58, average 19·64), and the highest in San Sebastian (31·89, average 23·40).

Infantile Mortality.

6. The infantile mortality of the 31 towns was equal to a rate of 224 per 1,000 births registered, against 188 in the preceding month, 283 in the corresponding month of last year, and 254 the monthly average. In the towns having an estimated population of 5,000 or more, the infantile mortality ranged from 643 in Batticaloa (average 335), 500 in Negombo (average 164), 400 in Trincomalee (average 274), to 132 in Moratuwa (average 156), 105 in Kalutara (average 162), and 77 in Weligama (average 99).

7. The infantile mortality in the city of Colombo was 246 per 1,000 births registered, against 227 in the previous month, 251 in the corresponding month of last year, and 317 the monthly average, and ranged from 500 in St. Paul's (average 407) to 158 in Kollupitiya (average 275).

Causes of Death.

8. *Infants*.—Out of the 1,339 deaths from all causes at all ages in the 31 towns, 267 were among infants under one year. Of these, the chief causes were 75 *Convulsions* (including 31 in Colombo, 6 in Kandy, 5 each in Negombo and Batticaloa, 3 each in Moratuwa, Nawalapitiya, Jaffna, Matara, and Trincomalee); 59 *Debility* (19 in Colombo, 6 each in Jaffna and Ratnapura, 4 each in Moratuwa and Kandy); 25 *Premature Birth* (5 in Matara, 4 in Jaffna); 21 *Pneumonia* (17 in Colombo); 18 *Tetanus* (5 each in Colombo and Jaffna, 4 in Galle, 3 in Trincomalee); 13 *Bronchitis* (8 in Colombo); 12 *Diarrhoea* (4 in Colombo, 3 in Negombo).

* Consequent on the extension of the limits of the Colombo Municipality in February, 1910, by adding about 49 acres to Kotahena Ward, 531 to Maradana Ward, and 1,013 to Kollupitiya Ward, it became necessary to alter the limits of these registration divisions to make them co-terminous with the Municipal divisions, and this was done with effect from October 1, 1910, by Proclamation of September 13, 1910. The population of the town was increased but slightly, as the added parts are not populous. An additional Registrar has from October 1 been appointed to Kollupitiya Ward, owing to the large area of the ward as enlarged, the ward being divided into two registration divisions, north and south.

† The city-rate is worked out independently of the ward-rates and on a different basis of population, and takes into account hospital events, &c., not assignable to wards.

9. In the city of Colombo, out of the 475 deaths from all causes at all ages, 104 were among infants under one year. Of these, the chief causes were 31 *Convulsions* (14 in Maradana exclusive of hospitals, 5 in Kollupitiya, 4 each in New Bazaar and Slave Island); 19 *Debility* (4 each in Kotahena and New Bazaar); 17 *Pneumonia* (7 in Kotahena, 3 each in New Bazaar and Maradana exclusive of hospitals); 8 *Bronchitis* (2 each in San Sebastian, New Bazaar, and Slave Island); 5 *Tetanus* (3 in St. Paul's); 4 *Diarrhoea*.

10. **General Mortality (One Year and over).**—Out of the 1,072 deaths of persons one year and over in age in the 31 towns, there were 166 from *Pneumonia* (65 in Colombo, 9 each in Kandy and Jaffna, 8 in Galle, 7 in Kurunegala); 139 from *Diarrhoea* (26 in Ratnapura, 11 in Kandy, 10 in Kurunegala, 9 each in Colombo, Matale, and Lunugala); 102 from *Phthisis* (54 in Colombo, 10 each in Kandy and Galle, 7 in Jaffna); 56 from *Dochmius Duodenalis* or *Anchylostomiasis* (13 in Matale, 8 in "Hatton and Dikoya"); 49 from *Dysentery* (13 in Colombo, 5 in Kandy); 45 from *Enteric Fever* (34 in Colombo); 38 from *Malarial Cachexia* (9 in Ratnapura, 7 in Badulla); 28 from *Enteritis* (17 in Colombo); 27 from *Remittent Fever* (8 in Jaffna); 23 *Puerperal Fever* (6 in Colombo); 21 from *Bronchitis* (11 in Colombo); 18 from *Bright's Disease* and *Nephritis* (12 in Colombo).

11. The highest mortality in the city of Colombo was from *Pneumonia* (18 per cent. of all deaths one year and over), followed by *Phthisis* (15 per cent.), *Enteric Fever* (9 per cent.), *Enteritis* (5 per cent.). Out of the 103 deaths from *Phthisis* in all towns at all ages, 55 occurred in Colombo. *Phthisis* and *Pneumonia* were together responsible for 137 deaths at all ages in the city, or nearly 29 per cent. of the deaths from all causes.

12. Taking all the towns together, *Bronchitis* and *Pneumonia* contributed the highest mortality (17 per cent.), followed by *Diarrhoea* and *Dysentery* (15 per cent.), *Phthisis* (7 per cent.), and *Infantile Convulsions* (6 per cent.).

Meteorology.

13. **Rainfall.**—Galle records the highest rainfall (6.63 inches), followed by "Hatton and Dikoya" (4.65 inches). The next highest, 4.50 inches and 4.14 inches, were in Matara and Kalutara respectively. Colombo records 1.97 inches. In Matale, Jaffna, Hambantota, Tangalla, Puttalam, and Anuradapura the rainfall was less than one inch; while in Mullaattivu, Batticaloa, and Trincomalee there was no rainfall at all.

14. **Temperature.**—The mean temperature varied from 61.4° in Nuwara Eliya to 84.8° in Jaffna, 85.6° in Mannar, and 86.4° in Trincomalee, and was 78.7° in Kandy, 75.3° in Badulla.

15. 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, May 16, 1911.

P. ARUNACHALAM,
Registrar-General.

Table I.—Number of Births and Deaths registered during April, 1911, 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 December, 1910, and the Mean Temperature and Rainfall in the month in each Town of the Island proclaimed under Sections 31-36 of Ordinance No. 1 of 1895.

Towns.	Population (inclusive of the Military) at the Census of 1901.	Population estimated to the Middle of 1911 by Inter-censal Increase.		Total Births.		Total Deaths.		Deaths in Hospitals and Jails of Non-residents.		Birth-rate.		Death-rate.		Deaths of Children under One Year.	Deaths of Children under One Year of Age to 1,000 Births.	Mean Temp. per Annum.	Rainfall in Inches.
		Males.	Females	Males.	Females	Males.	Females	July, 1907, to Dec., 1910.	April, 1911.	July, 1907, to Dec., 1910.	Corrected,* April, 1911.	Crude, April, 1911.					
All 31 Towns	423,109	602	592	1,194	726	613	1,839	296	1,043	29.60	28.65	25.03	30.28	267	254	80.7	—
<i>Western Province.</i>																	
Columbo	155,869	207	216	423	270	205	475	60	415	25.23	26.04	25.55	32.35	104	317	80.7	1.97
Negombo	19,319	14	8	22	13	11	29	1	28	37.73	12.88	16.39	24.26	11	164	—	1.48
Moratuwa	29,600	39	52	91	13	24	37	—	37	32.55	30.59	12.44	20.21	12	156	—	—
Kalutara	11,500	22	10	38	15	15	27	4	23	33.17	37.91	22.94	28.10	4	162	—	4.14
Pansadure	3,845	6	8	14	8	8	16	10	6	33.63	38.15	16.35	27.74	1	201	—	—
<i>Central Province.</i>																	
Kandy	26,511	30	33	63	46	41	87	20	67	28.53	24.95	26.53	29.16	13	230	78.7	3.89
Gampola	3,791	8	12	20	10	12	22	8	14	35.54	48.76	34.13	42.11	3	248	—	3.65
Nawalapitiya	3,454	8	6	14	7	14	21	7	14	24.73	39.50	39.50	23.28	5	285	—	—
Hatton and Dikoya	2,858	3	—	3	15	7	22	14	8	15.33	8.84	23.60	9.63	—	169	—	4.05
Matale	4,951	8	6	14	23	21	44	20	24	31.38	29.00	49.72	40.43	4	251	—	0.65
Nuwara Eliya	5,072	4	5	9	2	—	2	2	—	15.39	11.36	0	13.71	—	297	—	1.08
<i>Northern Province.</i>																	
Jaffna	33,879	66	45	111	41	42	83	5	78	40.19	37.63	26.44	33.72	23	270	84.8	0.01
Mannar	3,338	3	7	10	5	6	11	1	10	40.84	36.45	36.45	37.47	5	191	85.6	0.04
Mullaitivu	1,446	4	—	—	3	5	8	5	3	34.40	75.73	25.24	49.02	1	198	—	0.00
Vavuniya	566	1	—	1	5	1	6	6	—	24.85	20.04	0	125.85	2	337	—	3.64
<i>Southern Province.</i>																	
Galle	37,165	54	60	114	44	53	97	5	92	29.65	33.62	27.13	28.07	17	207	81.1	6.63
Matare	11,848	26	13	39	13	17	30	3	27	38.37	34.23	23.70	23.97	11	164	—	4.50
Welligama	7,430	12	14	26	4	5	9	1	8	22.05	28.36	8.73	11.84	2	99	—	—
Hambantota	2,843	9	7	16	6	4	10	2	8	36.77	61.82	30.91	32.41	1	329	—	0.23
Tangalla	2,333	6	6	12	3	2	5	2	3	36.68	52.89	13.22	38.77	1	204	—	0.33
<i>Eastern Province.</i>																	
Batticaloa	9,969	7	7	14	10	15	25	2	23	31.81	16.02	26.33	35.60	9	335	84.1	0.00
Trincomalee	11,887	11	9	20	14	12	26	—	26	28.61	21.54	28.01	34.23	8	274	86.4	0.00
<i>North-Western Province.</i>																	
Kurunegala	6,483	15	11	26	34	13	47	22	25	26.49	35.35	34.47	52.36	8	359	84.1	1.73
Puttalam	5,115	9	12	21	8	7	15	3	12	37.24	48.55	27.74	39.46	3	277	82.1	0.89
Kalpitiya	1,487	3	1	4	4	4	8	—	8	25.34	28.72	57.44	30.63	1	293	—	—
Chilaw	4,168	4	5	9	10	4	14	5	9	35.34	23.48	23.48	32.32	1	186	—	2.69
<i>North-Central Province.</i>																	
Anuradhapura	3,672	2	6	8	10	8	18	1	17	24.11	17.87	37.98	54.46	3	410	84.7	0.52
<i>Province of Uva.</i>																	
Badulla	5,924	10	10	20	23	15	38	18	20	30.57	34.64	34.64	27.54	3	243	75.3	3.87
Lunugala	—	1	—	—	12	9	21	21	—	49.83	29.25	0	43.66	1	178	—	—
<i>Province of Sabaragamuwa.</i>																	
Ratnapura	4,084	7	7	14	41	30	71	38	33	31.59	35.85	84.48	37.45	10	236	81.7	3.59
Kogalla	2,340	3	5	8	9	6	15	10	5	28.19	36.43	22.71	21.48	—	220	—	—

* *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 when the number of births is less than five. ‡ Blanks indicate that there are no observatories or rain-gauges. § This includes the population estimated as added on the extension of the town limits. See note * p. 1. ¶ Corrected death-rates for "Hatton and Dikoya," "Welligama," and "Kalpitiya" 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. †† Population of Mannar and Trincomalee towns not having been separately enumerated at the Census of 1891, no estimate can be made of the rate of growth, 1891-1900 or 1901-1911. The population estimated for 1911 is the Census population of 1901, less (in the case of Trincomalee) the Military, who are no longer stationed there. ** The population of Lunugala town (as now constituted) was not enumerated at the Census of 1901; the estimate is of the population at the beginning of October, 1907.

Table III.—Number of Births and Deaths registered during the Month of April, 1911, 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 December, 1910, in each Ward of the City of Colombo.

Wards.	Population (inclusive of the Military) at the Census of 1901.	Population of estimated Middle of 1911 by Inter-censal 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.	Males.	Females.			Persons.	Birth-rate.	Crude Death-rate.			Corrected Death-rate.*	Average January, 1908, to Dec., 1910.	April, 1911.†		
			207	246	423	270			205	475	60	415	25.43	26.04	29.07	25.55	28.44	104
City of Colombo	155,869	197,613‡	1	—	1	1	—	1	5.71	5.32	7.30	5.32	—	—	—	—	—	
Fort and Galle Face	2,285	2,285§	2	—	2	7	—	7	6.78	3.22	12.56	11.26	—	—	—	—	—	
Pettah	7,561	7,561§	12	9	21	13	16	29	21.72	23.09	23.40	31.89	—	9	337	429	—	
San Sebastian	9,349	11,064	14	10	24	17	29	46	17.43	11.53	23.60	22.10	—	12	407	500	—	
St. Paul's	20,280	25,330	28	42	70	53	36	89	22.63	21.20	24.44	26.96	—	22	331	314	—	
Kotahena	33,355	40,168‡	17	21	38	16	22	38	23.30	21.83	28.64	21.83	—	13	388	342	—	
New Bazaar	17,470	21,178	44	46	90	88	37	125	—	—	—	—	—	3	—	—	—	
Maradana Hospitals	30,381	42,148‡	35	38	73	38	33	71	22.63	21.07	27.69	20.50	—	24	355	329	—	
Maradana (exclusive of Hospitals)	16,927	21,187	24	23	47	23	14	37	24.17	26.97	26.14	21.25	—	12	380	265	—	
Slave Island	18,281	28,662‡	30	27	57	14	18	32	17.04	24.20	19.64	13.58	—	9	275	158	—	
Kollupitiya																		

* 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.

‡ This includes the population estimated as added on the extension of the town limits. See note *, p. 1.

§ The population of these two wards being fluctuating one, their estimated population cannot be calculated. Hence the Census figures are retained.

Table IV.—Causes of Deaths registered during the Month of April, 1911, in each Ward and Race of the City of Colombo.

Causes of Deaths.	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.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.
All Causes	1	7	29	46	89	38	125	71	37	32	7	28	218	114	78	15	20
I.—Infantile Mortality																	
<i>A.—One Week and under.</i>																	
1. Prematurity																	
2. Debility			3	1	1	2	1	1	1	1	1		1	2	2	1	
3. Convulsions			2			1	8			2	1		9	3		1	
4. Diarrhoea																	
4a Enteritis																	
5. Tetanus				2	2								2	1	1		
6. Bronchitis			2												2		
7. Pneumonia			2		1								1		1		
8. Other Causes																	
<i>B.—Over 1 Week and under 1 Year.</i>																	
1. Prematurity																	
2. Debility					3	2			2	1		2	3	2	1		
3. Convulsions				1	1	3	1		3	3			9	2	4	1	
4. Diarrhoea				1	1		6						2	1			
4a Enteritis							1						2	1			
5. Tetanus				1	1		4						1		2		
6. Bronchitis				1	1										1		
7. Pneumonia				3	7	3		3	2	1		1	4		1	1	
8. Other Causes					5			1	2			3	6	3	2	2	
II.—General Mortality (1 Year and over)	1	7	20	34	67	25	122	47	25	23	5	21	166	97	56	9	17
1. Smallpox																	
2. Chickpox																	
3. Measles																	
4. Influenza						1											

* Represents the death of a Sinhalese from Atelactasis (in Kotahena).
 † Includes 3 deaths from Worms (1 each in St. Paul's, Kotahena, and Slave Island), 3 from Starvation (all in Kotahena), and 1 each from Phthisis and Bright's Disease (in St. Paul's), Thrush (in Kotahena), Stomatitis (in Maradana, exclusive of Hospitals), and Endocarditis (in Slave Island).

Table IV.—Causes of Deaths registered during the Month of April, 1911, 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.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.	
II.—General Mortality (1 Year and over)— <i>contd.</i>																			
5. Simple Fever	5																		
6. Enteric Fever	34																		
7. Remittent Fever	3																		
8. Ague	1																		
9. Malarial Cachexia	9																		
10. Cholera	17																		
11. Diarrhoea	13																		
11a. Enteritis	4																		
12. Dysentery	4																		
13. Doehmus Duodenalis	4																		
14. Cancer	54																		
15. Phthisis	3																		
16. Other Tubercular Diseases	4																		
17. Anæmia	2																		
18. Diabetes Mellitus	3																		
19. Convulsions	2																		
20. Tetanus	11																		
21. Bronchitis	65																		
22. Pneumonia	5																		
23. Other Diseases of Respiratory System	12																		
24. Bright's Disease and Nephritis	3																		
25. Puerperal Convulsions	6																		
26. Puerperal Fever																			
27. Miscarriage																			
28. Other and undefined Accidents of Child-birth	3																		
29. Starvation	1																		
30. Accidents or Negligence	10																		
31. Homicide																			
32. Suicide																			
33. Execution																			
34. All other Causes	96*	1	1	7	6	20	5	27	10	7	2	5	46	19	18	4	2		

* Here are included 13 deaths from Old Age (6 in Kotahena), 13 from Debility (9 in Kotahena), 12 Worn (4 in Maradana, exclusive of hospitals).