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**VITAL STATISTICS OF TOWNS IN CEYLON IN THE  
MONTH OF OCTOBER, 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 1,199 (630 males and 569 females), and were equal to an annual rate of 28·05 per 1,000, against 28·70 during the preceding month, 28·47 in the corresponding month of last year, and 29·89 the monthly average for the forty-eight months, July, 1907, to June, 1911. Of the towns (excluding Vavuniya and Lunugala, which have a population under 1,000), the highest birth-rate was, as in the previous month, in Mannar (65·46, average 41·48), and the lowest in Hatton and Dikoya (7·78, average 14·88).

3. In the city of Colombo\* the births numbered 420 (220 males and 200 females), and were equal to an annual rate† of 23·29 per 1,000, against 23·15 in the preceding month, 27·94 in the corresponding month of last year, and 25·61 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, as in the previous month, in Slave Island (24·64, average 24·08), and the lowest was in St. Paul's (14·76, average 17·04).

**Deaths.**

4. The deaths registered in the 31 towns during the month numbered 1,669 (880 males and 789 females), and were equal to an annual rate of 31·47 per 1,000, against 31·98 during the preceding month, 26·67 in the corresponding month of last year, and 30·06 the monthly average. Of the towns (excluding Vavuniya and Lunugala), the highest death-rate was in Badulla (92·81, average 27·26), and the lowest was, as in the previous month, in Nuwara Eliya (8·23, average 13·44), followed by Hambantota (11·96, average 34·08).

5. In the city of Colombo\* the deaths registered numbered 609 (318 males and 291 females), and were equal to an annual rate† of 32·40 per 1,000, against 31·83 during the preceding month, 25·34 in the corresponding month of last year, and 32·18 the monthly average. Omitting Fort and Galle Face Ward and the Pettah Ward, the lowest death-rate was in Maradana exclusive of hospitals (19·88, average 27·31), and the highest in San Sebastian (28·55, average 24·32).

**Infantile Mortality.**

6. The infantile mortality of the 31 towns was equal to a rate of 266 per 1,000 births registered, against 244 in the preceding month, 247 in the corresponding month of last year, and 251 the monthly average. In the towns having an estimated population of 5,000 or more, the infantile mortality ranged from as high as 857 in Ratnapura (average 236), and 591 in Badulla (average 235), 333 in Negombo (average 175), 323 in Batticaloa (average 346), to 143 in Matale (average 252), 100 in Chilaw (average 188), 91 in Panadure (average 190), 29 in Kalutara (average 162).

7. The infantile mortality in the city of Colombo was 319 per 1,000 births registered, against 262 in the previous month, 249 in the corresponding month of last year, and 311 the monthly average, and ranged from 583 in New Bazaar (average 381) to 196 in Slave Island (average 368).

**Causes of Death.**

8. *Infants.*—Out of the 1,669 deaths from all causes at all ages in the 31 towns, 319 were among infants under one year. Of these, the chief causes were 87 *Convulsions* (including 42 in Colombo, 7 in Negombo); 51 *Debility* (15 in Colombo, 7 each in Jaffna and Galle); 39 *Premature Birth* (11 in Colombo, 4 in Galle); 30 *Tetanus* (12 in Colombo); 23 *Pneumonia* (14 in Colombo); 18 *Diarrhoea* (6 in Colombo); 15 *Bronchitis* (7 each in Colombo and Jaffna); 14 *Enteritis* (10 in Colombo).

\* 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 609 deaths from all causes at all ages, 134 were among infants under one year. Of these, the chief causes were 42 *Convulsions* (12 in New Bazaar, 10 in Maradana exclusive of hospitals, 9 in Kollupitiya); 15 *Debility* (3 in San Sabastian); 14 *Pneumonia* (5 in Kotahena, 4 in Maradana exclusive of hospitals); 12 *Tetanus* (6 in Kotahena, 4 in St. Paul's); 11 *Premature Birth* (4 in Maradana hospitals); 10 *Enteritis* (3 in Maradana exclusive of hospitals); 7 *Bronchitis* (3 in New Bazaar); 6 *Diarrhoea* (3 in Maradana exclusive of hospitals).

10. **General Mortality (One Year and over).**—Out of the 1,350 deaths of persons one year and over in age in the 31 towns, there were 183 from *Diarrhoea* (39 in Ratnapura, 20 in Matale, 17 in Kandy); 142 from *Pneumonia* (69 in Colombo, 7 each in Kandy, Batticaloa, and Badulla); 110 from *Phthisis* (56 in Colombo, 13 in Moratuwa), 100 from *Dysentery* (19 in Colombo, 13 in Ratnapura); 88 from *Malarial Cachexia* (23 in Ratnapura, 16 in Badulla, 9 in Kurunegala); 63 from *Enteritis* (47 in Colombo, 7 in Badulla); 62 from *Enteric Fever* (48 in Colombo); 59 from *Anchylostomiasis* or *Dochmias Duodenalis* (15 in Matale, 12 in Colombo, 10 in Kandy); 56 from *Malaria* (9 in Jaffna, 7 in Colombo, 6 in Badulla); 27 from *Convulsions* (5 in Batticaloa, 4 in Badulla); 25 from *Bright's Disease* and *Nephritis* (12 in Colombo); 22 from *Bronchitis* (18 in Colombo); 21 from *Accidents* or *Negligence* (6 in Colombo); 18 from *Puerperal Septicæmia* (9 in Colombo); 13 from *Anæmia* (5 in Colombo); 9 from *Pyrexia* or *Fever* (3 in Anuradhapura). There were 3 deaths from *Smallpox* (1 each in Colombo, Kandy, and Gampola); and 1 from *Cholera* (in Colombo). The deaths from *Smallpox* were due to infection from India; and the case of *Cholera* was a passenger by steamer from Batavia.

11. The highest mortality in the city of Colombo was from *Pneumonia* (14 per cent. of all deaths one year and over), followed by *Phthisis* (12 per cent.), *Enteric Fever* (10 per cent.); *Enteritis* (9 per cent.), *Dysentery* (4 per cent.), *Bronchitis* (3 per cent.). Out of the 110 deaths from *Phthisis* in all towns at all ages, 56 occurred in Colombo. *Phthisis* and *Pneumonia* were together responsible for 139 deaths at all ages in the city, or 23 per cent. of the deaths from all causes.

12. Taking all the towns together, *Diarrhoea* and *Dysentery* contributed the highest mortality (18 per cent.), followed by *Bronchitis* and *Pneumonia* (12 per cent.), *Infantile Convulsions* (6 per cent.), and *Phthisis* (6 per cent.).

#### Meteorology.

13. *Rainfall.*—Ratnapura records the highest rainfall (20·07 inches), followed by "Hatton and Dikoya" (17·06 inches). The next highest 15·09 inches and 14·22 inches were in Badulla and Gampola, while in the other towns the rainfall ranged from 13·92 inches in Galle to 4·91 inches in Tangalla.

14. *Temperature.*—The mean temperature varied from 59·9° in Nuwara Eliya to 82·6° in Batticaloa, 82·5° in Mannar, 80·9° in Anuradhapura, 80·8° in Jaffna, 80·7° in Trincomalee, and was 79·4° in Colombo and 75·5° in Kandy.

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, November 14, 1911.

P. ARUNACHALAM,  
Registrar-General.

Table I.—Number of Births and Deaths registered during October, 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 June, 1911, 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.		Total Births.		Total Deaths.		Deaths in Hospitals and Jails of Non-residents.		Deaths of Residents.		Birth-rate.		Death-rate.		Deaths of Children under One Year.	Deaths of Children under One Year to 1,000 Births.	Mean Temperature.	Rainfall in Inches.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	July, 1907, to June, 1911.	Oct., 1911.*	Crude, October, 1911.*	Corrected,† July, 1907, to June, 1911.	July, 1907, to June, 1911.	Oct., 1911.				
<b>All 31 Towns</b>	630	569	1,199	880	789	1,869	395	1,273	29-89	23-05	29-79	30-06	31-47	319	251	266	79-4	10-22
<i>Western Province.</i>																		
Colombo	230	200	420	318	291	609	84	525	25-61	23-29	29-12	32-18	32-40	134	311	319	79-4	10-22
Negombo	20	16	36	23	20	43	4	39	35-78	32-49	35-20	23-19	35-88	12	175	333	—	11-68
Moratuwa	50	42	92	30	32	62	—	62	33-34	39-74	26-78	20-17	25-28	17	155	186	—	—
Kalutara	19	15	34	17	14	31	6	25	34-48	30-78	22-63	28-08	22-05	1	162	29	—	12-55
Panadura	7	4	11	17	7	24	11	13	33-26	22-60	26-81	26-67	28-47	1	190	91	—	—
<i>Central Province.</i>																		
Kandy	28	27	55	48	53	101	21	80	28-75	21-48	31-24	29-10	32-76	13	234	236	75-5	12-09
Gampola	9	13	22	18	11	29	11	18	35-87	46-92	38-39	41-26	40-60	4	256	182	—	14-22
Nawalapitiya	2	3	5	27	12	39	30	9	25-34	15-63	28-13	24-47	33-55	2	308	400	—	—
Hatton and Dikoya	1	1	2	6	8	14	10	4	14-88	7-78	15-57	11-86	—	2	197	—	—	—
Matale	4	3	7	31	29	60	43	17	31-76	14-23	34-56	41-38	39-38	1	252	143	—	17-06
Nuwara Eliya	10	6	16	3	5	8	4	4	15-30	25-14	6-28	13-44	8-23	3	289	187	—	13-51
<i>Northern Province.</i>																		
Jaffna	85	65	150	62	50	112	3	109	40-60	43-67	31-73	33-21	33-44	35	267	233	80-8	10-16
Mannar	7	14	21	10	3	13	2	11	41-48	65-46	34-29	38-57	39-15	4	201	190	83-5	6-52
Mullaitivu	—	3	3	2	3	5	1	4	36-48	25-38	33-83	50-39	37-04	3	207	—	—	5-26
Vavuniya	—	—	—	3	1	4	1	3	25-81	—	43-72	118-97	52-57	1	354	—	—	10-46
<i>Southern Province.</i>																		
Galle	45	38	83	38	47	85	5	80	30-41	24-47	23-59	27-67	23-06	19	202	229	78-4	13-92
Matara	26	16	42	17	14	31	4	27	38-62	35-70	22-95	24-15	22-22	7	166	167	—	11-03
Welligama	14	11	25	4	9	13	13	13	23-55	33-94	17-65	19-19	11-11	7	101	160	—	—
Hambantota	5	6	11	1	6	7	3	3	37-62	41-89	11-42	34-08	11-96	3	341	237	—	7-49
Tangalla	2	5	7	2	7	9	1	8	37-54	23-51	26-87	33-46	28-39	1	206	143	—	4-91
<i>Eastern Province.</i>																		
Batticaloa	9	22	31	18	16	34	2	32	30-98	34-20	35-31	34-76	36-41	10	346	323	82-6	12-29
Trincomalee	16	12	28	17	6	23	—	23	28-41	37-29	30-63	33-94	35-53	5	270	179	80-7	8-42
<i>North-Western Province.</i>																		
Kurunegala	12	12	24	34	18	52	22	30	27-01	34-60	43-25	50-08	50-95	7	347	292	79-7	10-47
Puttalam	3	7	10	5	7	12	—	12	38-12	19-66	23-59	38-55	24-15	2	272	200	79-1	8-82
Kalpitiya	1	1	2	3	3	6	—	6	24-83	14-80	44-40	32-49	—	1	309	—	—	—
Chilaw	6	4	10	8	5	13	—	13	35-40	23-39	30-41	33-20	30-98	1	188	100	—	9-20
<i>North-Central Province.</i>																		
Anuradhapura	6	8	14	14	7	21	4	17	23-93	30-75	37-34	53-04	43-03	3	403	214	80-9	9-65
<i>Province of Uva.</i>																		
Badulla	13	9	22	29	42	71	21	50	31-44	39-93	90-75	27-26	92-81	13	235	591	73-4	15-09
Lunugala	—	1	1	7	8	15	14	1	44-82	22-86	22-86	40-58	—	—	158	0	—	—
<i>Province of Sabaragamuwa.</i>																		
Ratnapura	4	3	7	57	37	94	68	26	33-49	15-05	55-90	40-50	57-85	6	236	857	78-4	20-07
Kegalla	6	2	8	11	18	29	20	9	28-44	37-14	41-79	21-76	43-56	4	199	500	—	—

\* The rates from July, 1911, are calculated on the population enumerated at the Census of March, 1911, but for previous months on the population estimated on the basis of the Census of 1901. † The rates for the whole Island, and also (as in crude rate) excluding non-residents. ‡ Corrected death-rates for Hatton and Dikoya, Welligama, 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 strictly affected by their rates. ¶ Infantile death-rate omitted where the number of births is less than five. †† This includes the population as added on the extension of the town limits. See note \* p. 1. ‡‡ Blanks indicate that there are no observatories or rain-gauges.





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

Wards.	Population (inclusive of the Military) at the Census of 1911.	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.*		
		Males.	Females.	Persons.	Persons.	Persons.	Average January, 1908, to June, 1911.				October, 1911.	Average January, 1908, to June, 1911.	October, 1911.	Average January, 1908, to June, 1911.			
City of Colombo	212,305	220	200	420	318	291	609	84	525	25.84	23.29	28.88	29.12	32.40	134	313	319
Fort and Galle Face	3,512	1	—	1	6	—	6	1	5	5.64	3.35	7.37	16.76	—	1	127	—
Pettah	7,974	1	1	2	8	2	10	—	10	6.84	2.95	12.39	14.77	—	1	311	—
San Sebastian	11,546	11	10	21	10	18	28	—	28	22.18	21.42	24.32	28.55	—	9	343	429
St. Paul's	24,735	16	15	31	33	24	57	—	57	17.04	14.76	23.76	27.13	—	15	412	484
Kotahena	40,771	40	42	82	40	46	86	—	86	23.18	23.68	24.43	24.84	—	21	323	256
New Bazaar	22,309	15	19	34	24	30	54	—	54	24.17	17.94	28.42	28.50	—	20	381	588
Maradana Hospitals	—	36	36	72	110	84	194	83	111	—	—	—	—	—	10	—	—
Maradana (exclusive of Hospitals)	49,154	50	37	87	45	38	83	—	83	23.03	20.84	27.31	19.88	—	29	352	333
Slave Island	21,984	25	21	46	20	19	39	—	39	24.08	24.64	25.44	20.89	—	9	368	196
Kollupitiya	30,320	25	19	44	22	30	52	—	52	17.44	17.09	19.53	20.19	—	19	268	432

\* 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.

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

Causes of Deaths.	City of Colombo.	Ward.								Deaths among all Races.								
		Fort and Galle Race.	Pettah.	San Sebastian.	St. Paul's.	Kotahena.	New Bazaar.	Maradana Hospitals.	Maradana (exclusive of Hospitals).	Slave Island.	Kollupitiya.	Europeans.	Burgbers.	Sinhalese.	Tamil.	Moors.	Malays.	Others.
<b>All Causes</b>	609	6	10	28	57	86	54	194	83	39	52	7	33	290	152	88	21	18
<b>I.—Infantile Mortality</b>	134	1	1	9	15	21	20	10	29	9	19	1	11	68	19	29	7	4
<b>A.—One Week and under.</b>																		
1. Prematurity	9				2	1		3*	1		2	1		5	2	1	1	
2. Debility	5				2									1	3			
3. Convulsions	7				1				5		1			3	1	2		
4. Diarrhoea	10			1												1		
4a. Enteritis	10			1		6								6	2	1		
5. Tetanus	2																	
6. Bronchitis	7																	
7. Pneumonia	14																	
8. Other Causes	17*																	
<b>B.—Over 1 Week and under 1 Year.</b>																		
1. Prematurity	2																	
2. Debility	10					2												
3. Convulsions	36																	
4. Diarrhoea	6				2													
4a. Enteritis	10																	
5. Tetanus	2																	
6. Bronchitis	7																	
7. Pneumonia	14																	
8. Other Causes	17*																	
<b>II.—General Mortality (1 Year and over)</b>	475	5	9	19	42	65	34	184	54	30	38	6	22	227	133	59	14	14
1. Smallpox	1																	
2. Chickenpox																		
3. Measles																		
4. Influenza	1																	

\* Includes 2 deaths from Whooping Cough (in Kotahena), 2 each from Rickets (1 each in Kotahena and New Bazaar), Worms (1 each in Maradana, exclusive of hospitals and Slave Island), and Marasmus (in Maradana, exclusive of hospitals), and 1 each from Malaria and Dropsy (in Maradana, exclusive of hospitals), Injuries by an Accidental Blow in St. Paul's, Syphilis in Maradana Hospitals), Dysentery (in Slave Island), and Asthenia, Simple Meningitis, Hyperpyrexia, and Want of Breastmilk (in Kotahena).

Table IV.—Causes of Deaths registered during the Month of October, 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.	Kollipitiya.	Europeans.	Burgbers.	Sinhalese.	Tamilis.	Moors.	Malays.	Others.	
<b>II.—General Mortality (1 Year and over)—<i>contd.</i></b>																			
5. Pyrexia or Fever .. .. .	1																		
6. Enteric Fever .. .. .	48																		
7. Malaria .. .. .	7																		
8. Malarial Cachexia .. .. .	3																		
9. Cholera .. .. .	1																		
10. Diarrhoea .. .. .	7																		
10a. Enteritis .. .. .	47																		
11. Dysentery .. .. .	19																		
12. Anchylostomiasis or Dochmius Duodenalis .. .. .	12																		
13. Cancer .. .. .	4																		
14. Phthisis .. .. .	56																		
15. Other Tubercular Diseases .. .. .	1																		
16. Anaemia .. .. .	5																		
17. Diabetes Mellitus .. .. .	3																		
18. Convulsions .. .. .	3																		
19. Tetanus .. .. .	2																		
20. Bronchitis .. .. .	18																		
21. Pneumonia .. .. .	69																		
22. Other Diseases of Respiratory System .. .. .	5																		
23. Bright's Disease and Nephritis .. .. .	12																		
24. Puerperal Eclampsia .. .. .	2																		
25. Puerperal Septicæmia .. .. .	9																		
26. Miscarriage .. .. .	—																		
27. Other and undefined Accidents of Child-birth .. .. .	3																		
28. Starvation .. .. .	6																		
29. Accidents or Negligence .. .. .	6																		
30. Homicide .. .. .	—																		
31. Suicide .. .. .	—																		
32. Execution .. .. .	3																		
33. All other causes .. .. .	121*	1	3	4	7	25	12	35	17	9	2	3	73	16	18	4	1	5	

\* Here are included 28 deaths from Senility (6 in Kotahena, 4 in Slave Island), 14 from Debility (7 in Kotahena), 7 Cerebral Hæmorrhage (4 in Maradana, exclusive of hospitals), 6 Worms (3 in Kotahena).