

SUPPLEMENT
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PART I.

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**VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF JUNE, 1916.**

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 births numbered 1,256 (708 males and 548 females), and were equal to an annual rate of 25·49 per 1,000, against 24·97 in the preceding month, 22·71 in the corresponding month of last year, and 26·40 the average of the corresponding months since 1908. The rate ranged from 13·00 in Nuwara Eliya to 50·47 in Tangalla.

3. In the city of Colombo the births numbered 415 (237 males and 178 females), and were equal to an annual rate* of 19·51 per 1,000, against 16·88 in the preceding month, 16·36 in the corresponding month of last year, and 22·57 the average of the corresponding months since 1908. The rate ranged from 11·15 in Kollupitiya to 23·03 in New Bazaar.

Deaths.

4. The total deaths registered during the month numbered 1,679 (955 males and 724 females), and was the highest recorded in any month during this year. There were 1,292 deaths of residents, equivalent to an annual rate of 28·58 per 1,000, against 28·52 in the preceding month, 26·74 in the corresponding month of last year, and 29·72 the average for the month of June in each year since 1908. The rate ranged from 68·27 in Hatton and Dikoya to 10·19 in Nuwara Eliya.

5. In the city of Colombo the deaths numbered 609 (367 males and 242 females). There were 523 deaths of residents, equivalent to an annual rate* of 28·53 per 1,000, against 26·24 in the preceding month, 28·19 in the corresponding month of last year, and 29·94 the average for the month of June in each year since 1908. The rate ranged from 34·94 in Wellawatta to 8·64 in Kollupitiya.

6. Stillbirths numbered 79 (45 males and 34 females), against 88 in the preceding month.

Infantile Mortality.

7. The infantile mortality was equal to a rate of 221 per 1,000 births registered during the year ended June 30, 1916. Reckoned on the births registered during the month only the rate was 223, against 231 in the preceding month, 274 in the corresponding month of last year, and 270 the average of the corresponding months since 1908.

8. The infantile mortality in the city of Colombo was 225 per 1,000 births registered during the year ended June 30, 1916. Calculated on the births registered during the month the rate was 236, against 256 in the preceding month, 334 in the corresponding month of last year, and 334 the average of the corresponding months since 1908.

Causes of Death.

9. The highest mortality was from *Pneumonia*, to which was due 11 per cent. of the total number of deaths, 9 per cent. were due to *Debility*, 8 per cent. to *Diarrhoea*, 7 per cent. each to *Convulsions* and *Phthisis*, 5 per cent. each to *Dysentery* and *Anchylostomiasis*, 3 per cent. to *Enteritis*, 2 per cent. each to *Bright's Disease* and *Nephritis*, *Enteric Fever*, and *Bronchitis*, and 1 per cent. to *Puerperal Septicæmia*.

10. In the city of Colombo *Pneumonia* and *Phthisis* each contributed to 12 per cent. of the total number of deaths. *Convulsions* caused 7 per cent., *Debility* and *Enteritis* 6 per cent. each, *Dysentery* and *Bright's Disease* and *Nephritis* 3 per cent. each, and *Enteric Fever*, *Bronchitis*, and *Diarrhoea* 2 per cent. each. The number of deaths registered from *Plague* was 34, an enormous increase on 9 registered during the previous month. The number has not been exceeded in any month since August, 1914. Eleven deaths from *Cholera* were registered, against 16 in the preceding month.

11. *Infectious Diseases reported.*—The most prevalent infectious disease during the month was *Measles*, of which 147 cases were reported (119 in Colombo, 18 in Kandy), followed by *Chickenpox* 145 (114 in Colombo, 17 in Badulla), *Phthisis* 104 (87 in Colombo, 6 in Galle, 5 in Batticaloa), *Enteric Fever* 63 (35 in Colombo, 16 in Galle), *Plague* 38 in Colombo), *Continued Fever* 26 (7 each in Colombo and Moratuwa, 5 in Galle), *Mumps* 11 (7 in Colombo and 4 in Kandy), *Diarrhoea* 3 (2 in Galle and 1 in Colombo), *Smallpox* 3 (1 each in Colombo, Moratuwa, and Jaffna), *Dysentery* 2 (in Moratuwa), *Cholera* 2 (in Colombo), *Whooping Cough* 1 (in Kandy), and *Diphtheria* 1 (in Colombo).

Meteorology.

12. *Rainfall.*—Hatton and Dikoya recorded the highest rainfall (22·55 inches), followed by Ratnapura (17·18 inches). In the other towns the rainfall ranged from 16·31 inches in Kegalla to 0·02 inch in Jaffna. Colombo recorded 7·97 inches.

13. *Temperature.*—The mean temperature varied from 60·8° in Nuwara Eliya to 85·8° in Batticaloa, and was 80·8° in Colombo.

14. 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, July 17, 1916.

N. W. MORGAPPAH,
for Registrar-General.

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

Table I.—Number of Births and Deaths registered during June, 1916, their Proportion per 1,000 of the Population per Annum, and the Stillbirths and the Deaths of Children under One Year and their Proportion per 1,000 Registered Births, together with the Average Birth- and Death-rates in the corresponding months since 1908, 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 the Military at the Census of March 10, 1911.	Population estimated to the Middle of 1916 by Inter-censal Increase.	Total Births.		Total Deaths.		Total Stillbirths.		Deaths of Town and Districts.	Birth-rate.		Death-rate excluding non-residents.		Mortality of Children under One Year.	Mean Temperature.	Rainfall Inches.				
			Males.	Females.	Males.	Females.	Males.	Females.		Persons.	Persons.	Standardized.*	Crude, June, 1916.				Average Death-rate for June, 1908-1915.	Number registered June, 1916.	Its proportion to 1000 births registered during the year ended last day of June, 1916.	
All 33 Towns	517,877	602,115	708,548	1,256	955,724	1,679	45	34	79	1,292	25.49	26.40	26.22	28.58	29.72	280	223	221	80.8	7.97
<i>Western.</i>																				
Colombo	219,557	259,451	237,178	415	367,242	609	16	11	27	523	19.51	22.57	24.59	28.53	29.94	98	236	225	80.8	7.97
Negombo	13,045	25,998	44 35	79	46 29	75	2	1	3	58	37.07	29.61	27.22	28.47	20.92	10	127	129	—	8.98
Moratuwa	27,256	29,530	46 42	88	30 43	73	5	2	7	20	36.36	35.11	29.33	32.35	25.09	19	216	208	—	—
Kalutara	13,005	13,870	23 12	35	16 11	27	—	1	1	7	30.79	30.30	17.59	17.48	24.44	3	86	81	—	9.67
Panadura	5,709	7,049	4 5	9	6 2	8	—	1	1	2	15.58	18.90	10.38	12.36	20.42	3	333	286	—	—
<i>Central.</i>																				
Kandy	30,149	31,973	41 29	70	52 45	97	1	2	3	72	26.71	28.93	27.47	29.94	29.51	15	214	205	75.9	12.04
Gampola	5,521	6,745	12 5	17	20 19	39	2	1	3	32	30.75	32.27	57.88	60.07	35.07	5	294	301	—	13.20
Nawalpitiya	3,787	3,955	6 6	11	17 17	34	—	1	1	20	33.93	29.76	61.09	67.07	33.42	5	455	508	—	—
Hatton and Dikoya.	3,025	3,131	5 3	8	20 14	34	—	1	1	15	31.18	15.94	58.45	68.27	29.10	4	500	495	—	22.55
Matale	5,792	6,291	11 13	24	34 26	60	1	—	1	47	46.54	33.74	25.21	28.97	38.15	5	208	236	—	7.97
Nuwara Eliya	14,910	15,016	8 8	16	13 4	17	2	1	3	6	13.00	13.88	8.94	10.19	14.53	4	250	254	60.8	11.51
<i>Southern.</i>																				
Galle	39,396	41,510	43 32	75	63 55	118	4	—	4	12	22.04	27.27	31.15	30.50	22.03	22	293	245	80.4	6.49
Ambalagoda	4,277	5,881	3 3	8	1 3	4	—	1	1	4	22.82	—	11.41	—	—	1	125	—	—	—
Matara	13,851	16,040	17 21	38	18 13	31	—	2	2	29	30.83	34.96	23.53	23.04	22.10	6	158	134	—	5.43
Weiguna	8,672	9,304	5 4	14	6 7	13	—	—	—	13	18.36	23.66	17.05	15.36	17.44	1	71	356	—	—
Hambantota	3,092	3,235	3 4	7	3 2	5	—	—	—	5	26.40	29.47	18.86	21.08	30.56	4	571	440	82.2	0.72
Tangalla	3,505	5,421	11 7	18	9 7	16	2	—	2	12	50.47	35.55	33.65	34.39	34.35	3	167	244	—	2.83
<i>Northern.</i>																				
Jaffna	40,441	44,436	71 59	130	53 45	98	3	4	7	89	35.69	33.83	24.44	24.96	29.19	20	154	206	84.3	0.02
Mannar	3,777	4,038	4 3	7	3 4	7	—	—	—	7	21.15	39.68	21.15	23.29	34.12	1	143	109	84.9	0.00
Mullaitivu	1,392	1,439	3 2	5	3 2	5	—	—	—	5	42.39	22.52	42.39	56.20	46.64	1	200	210	—	0.00
Vavuniya	808	977	—	—	3	3	—	—	—	3	—	22.65	—	—	45.55	—	—	—	—	0.00
<i>Eastern.</i>																				
Baticaloa	10,671	11,062	23 12	35	18 20	38	—	—	—	4	38.60	31.96	37.50	36.98	43.80	11	314	350	85.8	0.04
Kalmunai	2,060	2,080	6 2	8	6 1	7	—	—	—	2	47.39	22.14	29.62	—	—	2	250	249	—	—
Trincomealee	8,840	10,248	18 12	30	12 8	20	—	3	3	20	35.71	25.16	23.81	26.14	40.30	7	233	312	85.1	0.05
<i>North-Western.</i>																				
Kurunegala	8,167	9,263	12 11	23	36 38	74	3	2	5	40	30.29	24.17	52.67	54.12	34.02	14	609	604	79.8	8.41
Puttalam	5,990	6,515	8 7	15	12 4	16	—	—	—	15	28.09	25.03	28.09	30.05	32.06	2	133	150	82.6	1.43
Kalpitiya	1,591	1,656	1 1	2	4 1	5	—	—	—	5	14.74	21.02	36.84	—	—	—	—	—	—	—
Chilaw	5,033	5,662	9 9	18	6 7	13	—	—	—	9	19.74	32.57	19.74	18.92	21.82	2	222	183	—	4.77
<i>North-Central.</i>																				
Anuradhapura	5,301	6,567	9 3	12	9 5	14	—	1	1	14	22.29	16.51	26.01	31.87	59.94	2	167	192	83.1	0.59
<i>Una.</i>																				
Badulla	6,487	6,828	13 10	23	13 10	23	1	—	1	12	41.09	25.78	21.44	23.66	29.49	1	43	530	74.5	0.25
Lunugala	515	587	—	—	13 12	25	—	—	—	24	—	29.87	20.77	—	—	—	—	—	—	—
<i>Sabaraгамuwa.</i>																				
Ratnapura	5,476	6,434	7 8	15	35 23	58	—	1	1	22	28.44	30.96	41.72	47.30	51.01	6	400	438	80.0	17.18
Kezalla	2,536	2,647	5 5	10	8 5	13	—	—	—	4	46.09	23.70	18.43	16.91	25.99	3	300	452	—	16.31

* 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.
 † Blanks indicate that there are no observatories or rain gauges.
 ‡ Estimated to the end of December, 1915, by natural increase method.
 § Population enumerated at the Census of 1911 by age and sex, while the town of Katmutal was created a registration division only in January, 1914, and Ambalagoda in January, 1915. The death-rate given for "All Towns" is therefore independent of these towns, but is scarcely affected by their rates.
 ¶ Report not received up to date of publication.
 ** Increase of population is due to the extension of the town limits.

Table III.—Number of Births and Deaths registered during the Month of June, 1916, 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 June, 1908 to 1915, in each Ward of the City of Colombo.

Wards.	Population (exclusive of Militants) at Census of 1911.	Population estimated to Middle of 1916 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.			
			Males.	Females.	Persons.	Males.	Females.	Persons.	Males.	Females.	Persons.			Birth-rate.		Death-rate.		Number recorded during June, 1916.	Its proportion to 1000 births registered during the year ended last day of June, 1916.		
														June, 1916.	Average for June, 1908 to 1915.	June, 1916.	Average for June, 1908 to 1915.				
City of Colombo ..	219,557	259,451†	237	178	415	16	11	27	367	242	609	86	523	19.51	22.57	24.59	26.59	28.53	98	236	225
Fort and Galle Face	3,512	3,512†	—	—	—	—	—	—	7	—	7	—	7	—	2.66	24.32	8.53	—	—	—	—
Pettah ..	7,974	7,974†	2	—	2	—	—	—	3	—	3	—	3	3.06	3.73	4.59	9.08	—	—	—	—
San Sebastian ..	11,546	12,930	9	7	16	2	1	3	14	12	26	1	25	15.10	19.17	23.59	20.14	—	6	375	361
St. Paul's ..	24,735	27,513	16	19	35	1	1	2	31	18	49	1	48	15.52	13.83	21.29	21.09	—	11	314	340
Kotahena ..	40,771	45,357	35	32	67	1	—	1	45	27	72	—	72	18.02	21.57	19.37	21.86	—	15	224	204
New Bazaar ..	22,309	25,425	23	25	48	1	—	1	14	11	25	1	24	23.03	19.97	11.52	24.04	—	10	208	246
Maradana Hospitals			49	32	81	7	6	13	135	58	193	68	125	—	—	—	—	—	12	—	—
Maradana (exclusive of Hospitals) ..	48,093	61,482	45	22	67	2	2	4	53	47	100	—	100	13.29	19.19	19.84	24.00	—	22	328	292
Slave Island ..	21,984	25,287	26	13	39	—	—	—	24	27	51	2	49	18.82	20.66	23.64	23.65	—	12	308	281
Kolupitiya ..	25,410	33,908	16	15	31	—	—	—	14	23	37	13	24	11.15	12.76	8.64	15.05	—	6	194	213
Wellawatta ..	13,223	16,063§	16	13	29	2	1	3	27	19	46	—	46	22.03	30.70	34.94	34.41	—	4	138	104

* For explanation of "standardized death-rate" see note *, 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.

† Estimated partly on the inter-censal increase method and partly on the natural increase method, i.e., population exclusive of Wellawatta Ward on the former method and that of Wellawatta added to the town on January 1, 1912, on the latter method (as it was not a separate division at the Census of 1901).

‡ The population of these two wards being a fluctuating one, their population cannot be estimated to the middle of 1916. Hence the Census figures are retained.

§ This population is estimated partly on the natural increase method and partly on the inter-censal 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 Kolupitiya taken over to Wellawatta on the latter method.

|| For four months, June 1912, 1913, 1914, and 1915.

Table IV.—Causes of Deaths registered during the Month of June, 1916, in each Ward and of each Race in 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.	Vellawatta.	Europeans.	Burghers.	Sinhalese.	Tamil.	Moors.	Malays.	Others.
All Causes	609	7	3	26	49	72	25	193	100	51	37	46	3	80	291	146	87	15	37
I.—Infantile Mortality	98	—	—	6	11	15	10	12	22	12	6	4	—	5	47	16	19	5	6
<i>A.—One Week and under.</i>																			
1. Prematurity	14							1	5	4	1	1		2	9	3	—	—	—
2. Debility	15			3	2	1	3	4	—	2	1	2		—	9	1	4	—	—
3. Convulsions	10			1	2	1	—	—	4	—	—	—		—	9	5	1	—	—
4. Diarrhoea	—			—	—	—	—	—	—	—	—	—		—	3	—	—	—	—
4a. Enteritis	—			—	—	—	—	—	—	—	—	—		—	—	—	—	—	—
5. Tetanus	—			—	—	—	—	—	—	—	—	—		—	—	—	—	—	—
6. Bronchitis	—			—	—	—	—	—	—	—	—	—		—	—	—	—	—	—
7. Pneumonia	—			—	—	—	—	—	—	—	—	—		—	—	—	—	—	—
8. Other Causes	1*			—	—	—	—	—	—	1	—	—		—	—	—	—	—	1
<i>B.—Over 1 Week and under 1 Year.</i>																			
1. Prematurity	—			—	—	—	—	—	—	—	—	—		—	—	—	—	—	—
2. Debility	10			—	—	—	—	3	1	1	2	—		—	5	2	1	2	—
3. Convulsions	18			1	6	5	2	4	4	—	—	—		3	8	2	4	—	—
4. Diarrhoea	9			—	—	—	—	—	4	1	1	1		—	3	—	5	1	—
4a. Enteritis	—			—	—	—	—	—	—	—	—	—		—	—	—	—	—	—
5. Tetanus	3			—	—	—	—	—	—	—	—	—		—	2	1	—	—	—
6. Bronchitis	9			—	—	—	—	4	1	2	—	—		—	6	2	3	2	—
7. Pneumonia	9†			—	1	1	2	—	3	1	1	—		—	2	2	—	—	—
8. Other Causes	—			—	—	—	—	—	—	—	—	—		—	—	—	—	—	—
II.—General Mortality (1 Year and over)	511	7	3	20	38	57	15	181	78	39	31	42	3	25	244	130	68	10	81
1. Plague	—			—	—	—	—	8	6	2	1	7	—	4	17	3	6	—	—
2. Smallpox	34			5	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Chickenpox	1			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Measles	—			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Influenza	—			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Pyrexia or Fever	2			—	—	—	—	—	—	—	—	2	—	—	—	2	—	—	—

* This was due to Atelectasis.

† This includes 2 from Rickets, 1 each from Stomatitis, Cancreum Oris, Cerebral Haemorrhage, Atrophy, Erysipelas, Chlorosis, and Dysentery.

Table IV.—Causes of Deaths registered during the Month of June, 1916, in each Ward and of each Race in the City of Colombo—continued.

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.	Vellawatte.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.	
II.—General Mortality (1 Year and over)— <i>contd.</i>																				
7. Enteric Fever ..	15					2		6	3	2										
8. Malaria ..	8		1			1		1	3	2										
9. Malarial Cachexia ..	6				2			2	1											
10. Cholera ..	11		1						1											
11. Diarrhoea ..	13				3			3	4	1										
11a. Enteritis ..	29				2			19	3	2										
12. Dysentery ..	20				2			11	1	1										
13. Anchylostomiasis or Dochmius Duodenalis ..	5				1			3												
14. Cancer ..	4				1			3												
15. Phthisis ..	72				5	13	2	32	9	6										
16. Other Tuberculous Diseases ..	3							2												
17. Anæmia ..	1																			
18. Diabetes Mellitus ..	5				1			2												
19. Convulsions ..	14				1	3		2												
20. Tetanus ..	1				1			1												
21. Bronchitis ..	11				2	4		1	1	2										
22. Pneumonia ..	66				3	7		24	15	5										
23. Other Diseases of the Respiratory System ..	6				1			4												
24. Bright's Disease and Nephritis ..	20							11	2	1										
25. Puerperal Eclampsia ..	5							2												
26. Puerperal Septicæmia ..	3							1	1	1										
27. Miscarriage ..																				
28. Other undefined Accidents of Childbirth ..	1					1														
29. Starvation ..																				
30. Accidents or Negligence ..	6																			
31. Homicide ..	2								1											
32. Suicide ..	2																			
33. Execution ..																				
34. All other causes ..	145*	1		7	12	18	5	46	30	12	8	6		9	73	28	26	2		7

* Here are included 37 from Senility, 14 from Worms, 14 from Debility, and 10 from Paralysis.