

SUPPLEMENT
TO THE
Ceylon Government Gazette

PART I.

No. 6,832 — FRIDAY, NOVEMBER 3, 1916.

VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF SEPTEMBER, 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 1,290 (672 males and 618 females), and were equal to an annual rate of 26·12 per 1,000, against 26·08 in the preceding month, 24·91 in the corresponding month of last year, and 27·65 the average of the corresponding months since 1908. The rate ranged from 9·48 in Ratnapura to 88·86 in Kalmunai.

3. In the city of Colombo the births numbered 413 (218 males and 195 females), and were equal to an annual rate* of 19·42 per 1,000, against 19·57 in the preceding month, 21·64 in the corresponding month of last year, and 23·19 the average of the corresponding months since 1908. The rate ranged from 10·43 in Kollupitiya to 22·79 in Wellawatta.

Deaths.

4. The total deaths registered during the month numbered 1,582 (868 males and 714 females). There were 1,284 deaths of residents, equivalent to an annual rate of 28·34 per 1,000, against 29·26 in the preceding month, 26·92 in the corresponding month of last year, and 28·52 the average for the month of September in each year since 1908. The rate ranged from 67·63 in Kegalla to 6·49 in Nuwara Eliya.

5. In the city of Colombo the deaths numbered 554 (313 males and 241 females). There were 492 deaths of residents, equivalent to an annual rate* of 26·84 per 1,000, against 30·78 in the preceding month, 27·57 in the corresponding month of last year, and 29·52 the average for the month of September in each year since 1908. New Bazaar showed the highest rate (29·27), closely followed by San Sebastian with (29·25), and Kollupitiya showed the lowest (9·36).

6. Stillbirths numbered 89 (47 males and 42 females), against 88 in the preceding month.

Infantile Mortality.

7. The infantile mortality was equal to a rate of 249 per 1,000 births registered during the year ended September 30, 1916. Reckoned on the births registered during the month only the rate was 250, against 231 in the preceding month, 216 in the corresponding month of last year, and 244 the average of the corresponding months since 1908.

8. The infantile mortality in the city of Colombo was 232 per 1,000 births registered during the year ended September 30, 1916. Calculated on the births registered during the month only the rate was 245, against 251 in the preceding month, 197 in the corresponding month of last year, and 277 the average of the corresponding months since 1908.

Causes of Death.

9. The highest mortality was from *Pneumonia*, to which 11 per cent. of the total deaths was due, 9 per cent. were due to *Debility*, 7 per cent. each were due to *Convulsions*, *Phthisis*, and *Diarrhœa*, 5 per cent. to *Anchylostomiasis*, 4 per cent. each to *Dysentery*, *Malaria* and *Malarial Cachexia*, and *Enteritis*, 3 per cent. each to *Bright's Disease* and *Nephritis* and *Enteric Fever*, 2 per cent. to *Bronchitis*, and 1 per cent. each to *Anæmia* and *Puerperal Septicæmia*.

10. In the city of Colombo *Phthisis* caused the largest percentage of deaths, viz., 10, followed by *Pneumonia* 9 per cent., *Convulsions* 8 per cent. *Debility* and *Enteritis* 6 per cent. each, *Enteric Fever* and *Bright's Disease* and *Nephritis* 4 per cent. each, *Dysentery* 3 per cent., *Bronchitis* 2 per cent., and *Anæmia*, *Diarrhœa*, *Tetanus*, and *Puerperal Septicæmia* 1 per cent. each. Twenty-one deaths from *Plague* were registered, against 33 in the preceding month and 19 in the corresponding month of last year.

11. *Infectious Diseases reported*.—The most prevalent infectious disease during the month was *Measles*, of which 110 cases were reported (95 in Colombo, 12 in Kandy), followed by *Phthisis* 86 (75 in Colombo, 6 in Galle), *Enteric Fever* 69 (39 in Colombo, 14 in Galle, 8 in Moratuwa, 4 in Kandy), *Chickenpox* 56 (39 in Colombo, 11 in Kandy), *Plague* 24 (in Colombo), *Continued Fever* 19 (8 in Moratuwa, 5 in Colombo, 5 in Galle), *Mumps* 16 (10 in Kandy, 3 in Colombo, and 3 in Galle), *Dysentery* 5 (in Moratuwa), *Whooping Cough* 4 (in Batticaloa), *Diphtheria* 2 (in Colombo), and *Diarrhœa* 1 (in Colombo).

Meteorology.

12. *Rainfall*.—Ratnapura recorded the highest rainfall (17·17 inches), followed by Hatton and Dikoya (16·39 inches). In the other towns the rainfall ranged from 9·80 inches in Nuwara Eliya to 0·73 inch in Puttalam. Colombo recorded 3·82 inches.

13. *Temperature*.—The mean temperature varied from 61·0° in Nuwara Eliya to 83·9° in Trincomalee, and was 80·5° 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, October 18, 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 September, 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.

Table with columns: Provinces and Towns, Population (inc. of the Military at the Census of 30th April 1911), Population estimated to 1916, Total Births, Total Deaths, Total Stillbirths, Deaths of Towns, Birth-rate, Death-rate, Mortality of Children under One Year, Mean Temperature, and Rainfall. Rows include all 33 towns: Western (Colombo, Negombo, Moratuwa, Kalutara, Panadura), Central (Kandy, Gampola, Nawalapitiya, Hatton and Dikoya, Matale, Nuwara Eliya), Southern (Galle, Ambalangoda, Makara, Weligama, Hambantota, Tangalla), Northern (Jaffna, Mannar, Mullaitivu, Vevuniya), Eastern (Batickaloa, Kalmunai, Trincomalee), North-Western (Kurunegala, Puttalam, Kalptiya, Chilaw), North-Central (Anuradhapura), Uva (Badulla, Lunugala), Sabaragamuwa (Ratnapura), and Kerala (Kerala).

* 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-composition 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 Kalmunai was created a registration division only in January, 1914, and Ambalangoda in January, 1915. ¶ Standardized death-rates for Kalptiya. § Standardized death-rates for Ratnapura. ¶ Increase of population is due to the extension of the town limits. ** Increase of population is due to the extension of the town limits. †† Increase of population is due to the extension of the town limits as from July, 1915.

Table II.—Causes of Deaths registered during September, 1916, in each Town of the Island proclaimed under Sections 31-36 of the Ordinance No. 1 of 1895—continued.

Table with 38 columns: Causes of Deaths, All 33 Towns, and various provinces (Western, Central, Southern, Northern, Eastern, North-Western, North, Provinces of Uva, Province of Sabaragamuwa, Deaths among all Races). Rows list causes like Influenza, Pyrexia or Fever, Enteric Fever, Malaria, Cholera, Diarrhoea, etc., with corresponding death counts for each town and province.

* Here are included 96 from Old Age (49 in Colombo), 38 from Worms (14 in Colombo), 50 from Debility (12 in Galle), and 16 from Paralysis (6 in Colombo).

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

Wards.	Population (inclusive of Military) 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 Mile per Annum.				Mortality of Children under one Year.				
			Males.	Females.	Persons.	Males.	Females.	Persons.	Males.	Females.	Persons.			Average for Sept., 1908 to 1915.	Birth-rate.		Death-rate.		Standardized Death-rate.	Number registered during Sept., 1916.	Its proportion to 1000 births registered during the year ended Sept., 1916.	Its proportion to annum to 1000 births registered during the year ended Sept., 1916.
															Sept., 1916.	Average for Sept., 1908 to 1915.	September, 1916.	Average for Sept., 1908 to 1915.				
			218	195	413	14	17	31	313	241	554			62	492	19.42	23.19	23.14	20.19	26.84	101	245
City of Colombo ..	219,557	259,451†	218	195	413	14	17	31	313	241	554	62	492	19.42	23.19	23.14	20.19	26.84	101	245	232	
Fort and Galle Face	3,512	3,512‡	1	—	1	—	—	—	2	—	2	—	2	3.47	1.97	6.95	6.36	—	—	—	—	
Pettah ..	7,974	7,974‡	2	—	2	—	—	—	8	—	8	—	8	3.06	5.28	12.24	9.81	—	—	—	—	
San Sebastian ..	11,546	12,930	6	8	14	1	—	1	20	11	31	—	31	13.21	18.14	29.25	21.81	—	5	357	274	
St. Paul's ..	24,735	27,513	17	15	32	1	2	3	20	23	43	—	43	14.19	14.94	19.07	21.37	—	11	344	334	
Kotahena ..	40,771	45,357	37	38	75	2	2	4	33	31	64	1	63	20.17	20.60	16.95	21.45	—	15	200	202	
New Bazaar ..	22,309	25,425	23	17	40	—	1	1	33	28	61	—	61	19.19	22.07	29.27	26.67	—	18	450	430	
Maradana Hospitals			39	40	79	7	8	15	85	53	138	—	87	—	—	—	—	—	5	—	—	—
Maradana (exclusive of Hospitals) ..	48,093	61,482	39	30	69	—	1	1	57	43	100	3	97	13.69	18.67	19.25	20.78	—	25	362	336	
Slave Island ..	21,984	25,287	27	15	42	—	3	3	25	18	43	—	43	20.26	23.35	20.75	21.25	—	8	190	184	
Kollupitiya ..	25,410	33,908	11	18	29	2	—	2	14	19	33	7	26	10.43	14.61	9.36	16.03	—	10	345	367	
Wellawatta ..	13,223	16,063§	16	14	30	1	—	1	16	15	31	—	31	22.79	30.39	23.54	34.73	—	4	133	106	

* 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.

† 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 Kollupitiya taken over to Wellawatta on the latter method.

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

Table IV.—Causes of Deaths registered during the Month of September, 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.	Petah.	San Sebastian.	St. Paul's.	Kotahena.	New Bazaar.	Mardana Hospitals.	Mardana (exclusive of Hospitals).	Slave Island.	Kollupitiya.	Wellawatta.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.
All Causes	554	2	8	31	43	64	61	128	100	43	33	31	6	32	244	120	101	17	34
I.—Infantile Mortality	101	—	—	5	11	15	18	5	25	8	10	4	—	7	37	22	25	3	7
A.—One Week and under.																			
1. Prematurity	6	—	—	—	—	1	—	2	—	—	1	—	—	—	3	1	2	—	—
2. Debility	7	—	—	—	2	1	3	1	—	—	—	—	—	—	2	2	2	—	—
3. Convulsions	9	—	—	2	2	2	—	—	2	1	—	—	—	1	3	—	—	—	—
4. Diarrhoea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4a. Enteritis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Tetanus	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Bronchitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. Pneumonia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Other Causes	4*	—	—	—	—	—	—	1	2	—	1	—	—	—	1	2	1	—	—
B.—Over 1 Week and under 1 Year.																			
1. Prematurity	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Debility	17	—	—	—	—	—	3	—	3	4	1	1	—	1	6	3	7	—	—
3. Convulsions	17	—	—	—	4	3	6	—	2	1	—	—	—	—	4	7	6	—	—
4. Diarrhoea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4a. Enteritis	4	—	—	—	—	—	—	—	3	—	—	—	—	—	2	—	1	—	—
5. Tetanus	1	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—	—
6. Bronchitis	1	—	—	—	—	—	—	—	3	—	—	—	—	—	1	—	—	—	—
7. Pneumonia	12	—	—	—	2	2	1	—	3	1	4	—	—	2	5	3	2	—	—
8. Other Causes	20†	—	—	—	—	—	4	1	8	—	—	—	—	3	9	2	4	—	—
II.—General Mortality (1 Year and over)	453	2	8	26	32	49	43	133	75	35	23	27	6	25	207	98	76	14°	27
1. Plague	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Smallpox	21	—	—	7	2	2	2	1	1	—	—	5	—	—	5	4	12	—	—
3. Chickenpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Influenza	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Pyrexia or Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Three were due to Atelectasis and 1 to Cardiac Failure.
 † This includes 6 from Rickets, 3 from Worms, 2 from Syphilis, 2 from Nephritis, and 1 each from Dysentery, Gastritis, Phthisis, Colic, Fever, Thrush, and Want of Breast Milk.

Table IV.—Causes of Deaths registered during the Month of September, 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.	Wellawatta.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.	
II.—General Mortality (1 Year and over)— <i>contd.</i>																				
7. Enteric Fever ..	22	2	2	1	2	2	10	1	5	2	1	1	1	3	12	2	3	1	5	
8. Malaria ..	6	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	1	1	
9. Malarial Cachexia ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10. Cholera ..	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11. Diarrhoea ..	28	1	1	1	1	1	20	1	1	1	1	1	1	4	12	11	2	2	2	
11a. Enteritis ..	15	1	1	1	1	1	7	3	1	1	1	1	1	4	4	8	2	2	2	
12. Dysentery ..	15	1	1	1	1	1	7	3	1	1	1	1	1	4	4	8	2	2	2	
13. Anchylostomiasis or Doehmius Duo- denalis ..	5	1	1	1	1	1	4	1	1	1	1	1	1	1	2	3	1	1	1	
14. Cancer ..	5	1	1	1	1	1	4	1	1	1	1	1	1	1	2	2	1	1	1	
15. Phthisis ..	58	2	2	2	6	7	23	11	1	3	2	11	11	34	2	11	6	1	5	
16. Other Tuberculous Diseases ..	3	1	1	1	2	1	3	1	1	1	1	1	1	1	2	1	1	1	1	
17. Anæmia ..	9	1	1	1	2	1	3	1	2	1	1	1	1	2	2	1	2	2	2	
18. Diabetes Mellitus ..	3	1	1	1	2	2	1	1	1	1	1	1	1	1	3	3	3	1	1	
19. Convulsions ..	16	1	1	1	1	4	3	3	1	4	2	3	3	7	2	6	3	1	1	
20. Tetanus ..	4	1	1	1	1	1	3	1	1	1	1	1	1	2	2	2	1	1	1	
21. Bronchitis ..	11	1	1	1	3	1	5	1	1	1	1	1	1	5	2	7	6	1	1	
22. Pneumonia ..	40	1	1	1	2	4	8	9	4	4	2	9	9	15	7	15	8	1	4	
23. Other Diseases of the Respiratory System ..	9	1	1	1	1	1	5	8	4	4	2	9	9	15	7	15	8	1	4	
24. Bright's Disease and Nephritis ..	22	1	1	1	1	2	5	1	2	2	2	5	5	10	4	10	2	1	1	
25. Puerperal Eclampsia ..	7	1	1	1	1	2	2	1	2	2	2	2	2	4	10	8	2	1	1	
26. Puerperal Septicæmia ..	7	1	1	1	1	1	2	2	2	2	2	2	2	4	10	8	2	1	1	
27. Miscarriage ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28. Other undefined Accidents of Childbirth ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
29. Starvation ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30. Accidents or Negligence ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
31. Homicide ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
32. Suicide ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
33. Execution ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
34. All other causes ..	154*	3	3	3	10	14	33	40	16	8	13	33	40	76	27	27	25	9	5	

* Here are included 49 from Senility, 14 from Worms, 9 from Debility, and 6 from Paralysis.

RESULTS OF METEOROLOGICAL OBSERVATIONS IN CEYLON DURING THE MONTH OF SEPTEMBER, 1916.

Table with columns for Rainfall, Barometer reduced to 29.5, and Temperature of the Air and of Evaporation. Includes sub-headers for Mean Reading, Highest Reading, and Lowest Reading.

Main table listing stations and senders with columns for Name of Sender, Station, Name of Sender, and various meteorological data points like Height above Sea Level, Total No. of Days, and Greatest Quantity in any 24 hours.

The Observatory, Colombo, October 18, 1916.

H. M. MIRANDA, ACTING SUPERINTENDENT, COLOMBO, CEYLON.

J. E. EVANS, Acting Superintendent, Observatory, for W. C. S. Ingle, Surveyor-General.