

SUPPLEMENT
TO THE
Ceylon Government Gazette
PART I.

No. 6,977.— THURSDAY, NOVEMBER 14, 1918.

**VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF SEPTEMBER, 1918.**

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 number of births registered was 1,315 (698 males and 617 females), and was equivalent to an annual rate of 25·22 per 1,000, against 26·82 in the preceding month, 22·27 in the corresponding month of last year, and 26·96 the average for the corresponding months since 1908. The rate ranged from 12·09 in Nawalapitiya to 53·17 in Batticaloa.

3. In the city of Colombo the births registered numbered 454 (242 males and 212 females), and were equivalent to an annual rate* of 19·97 per 1,000, against 21·70 in the preceding month, 17·99 in the corresponding month of last year, and 22·29 the average for the corresponding months since 1908. The rate ranged from 8·12 in St. Sebastian to 20·38 in Wellawatta.

Deaths.

4. The total deaths registered during the month numbered 2,073 (1,138 males and 935 females). There were 1,680 deaths of residents in towns, equivalent to an annual rate of 35·12 per 1,000, against 21·38 in the preceding month, 21·90 in the corresponding month of last year, and 27·84 the average for the month of September in each year since 1908. The rate ranged from 78·53 in Ratnapura to 12·40 in Hambantota.

5. In the city of Colombo the deaths numbered 741 (405 males and 336 females). There were 650 deaths of residents, equivalent to an annual rate* of 33·16 per 1,000, against 19·40 in the preceding month, 17·28 in the corresponding month of last year, and 28·03 the average for the month of September in each year since 1908. The rate ranged from 32·21 in Kotahena to 8·70 in Kollupitiya.

6. The stillbirths registered numbered 90 (44 males and 46 females), as against 74 in the preceding month.

Infant Mortality.

7. The mortality of infants under one year of age was equal to a rate of 240 per 1,000 births registered during the twelve months ended September 30, 1918. Reckoned on the births registered during the month only the rate was 267, against 206 in the preceding month, 217 in the corresponding month of last year, and 238 the average for the corresponding months since 1908.

8. In the city of Colombo the mortality of infants was equal to a rate of 288 per 1,000 births registered during the twelve months ended September 30, 1918. Reckoned on the births registered during the month only the rate was 308, against 192 in the preceding month, 210 in the corresponding month of last year, and 262 the average for the corresponding months since 1908.

Causes of Death.

9. The highest mortality was attributed to *Pneumonia*, to which 29 per cent. of the total deaths was due. Probably most of these deaths were due to the recent outbreak of *Influenza*, the monthly average of deaths from *Pneumonia* being not more than 10 per cent. 5 per cent. of the total deaths was actually attributed to *Influenza* 7 per cent. was due to *Debility*, 6 per cent. to *Convulsions*, 5 per cent. to *Phthisis*, 3 per cent. each to *Malaria* and *Malarial Cachexia*, *Anchylostomiasis*, *Diarrhoea*, *Enteric Fever*, and *Dysentery*, 2 per cent. each to *Enteritis*, *Bright's Disease* and *Nephritis*, *Prematurity*, and *Bronchitis*, and 1 per cent. to *Puerperal Septicæmia*.

10. In Colombo, too, the highest mortality was from *Pneumonia*, to which 25 per cent. of the total deaths was due (against an average of 10 per cent), 10 per cent. was due to *Influenza*, 7 per cent. each to *Debility* and *Phthisis*, 5 per cent. to *Convulsions*, 3 per cent. each to *Enteric Fever*, *Bright's Disease* and *Nephritis*, and *Enteritis*, 2 per cent. each to *Bronchitis* and *Dysentery*, and 1 per cent. each to *Diarrhoea*, *Anchylostomiasis*, and *Prematurity*. Two deaths from *Smallpox* were registered in Mannar.

11. *Infectious Diseases reported.*—The most prevalent infectious disease during the month was *Phthisis*, of which 123 cases were reported (103 in Colombo, 7 in Galle, 4 in Batticaloa), followed by *Enteric Fever* 58 (43 in Colombo), *Chickenpox* 47 (27 in Colombo, 7 in Kandy, 5 in Nuwara Eliya), *Continued Fever* 19 (11 in Colombo), *Measles* 17 (11 in Nuwara Eliya), *Diphtheria* 4 (2 in Panadura), *Dysentery* 4 (2 in Kalutara), *Mumps* 2, and *Whooping Cough* 1.

Meteorology.

12. *Rainfall.*—Ratnapura recorded the highest rainfall (6·33 inches), followed by Tangalla (3·75 inches). In the other towns it ranged from 3·58 inches in Hatton to 0·04 inch in Puttalam. Colombo recorded 1·06 inches.

13. *Temperature.*—The mean temperature varied from 60·4° in Nuwara Eliya to 86·6° in Trincomalee, and was 81·7° 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 30, 1918.

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, 1918, 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 (inclusive of the Military) at the Census of March 10, 1911.	Population estimated to the Middle of 1918 by Inter-censal Increase.	Total Births.		Total Deaths.		Total Stillbirths.		Deaths of Towns and Villages.	Deaths of Towns and Villages.	Birth-rates.			Death-rate excluding non-residents Standardized. ^a			Number registered during Sept., 1918.	Its proportion to 1000 births registered during the year ended last day of Sept., 1918.	Its proportion per annum to 1000 births registered during the year ended last day of Sept., 1918.	Mean Temperature.	Rainfall in Inches.
			Males.	Females.	Males.	Females.	Males.	Females.			Average Birth-rate for Sept., 1908-1917.	Crude, September, 1918.	September, 1918.	Average Death-rate for Sept., 1908-1917.	September, 1918.						
All 33 Towns ..	517,877	684,752	698,617	1,315	1,138	935	2,073	44	46	90	1,680	25.22	26.96	32.22	35.12	27.84	351	267	240	81.7	1.06
<i>Western.</i>																					
Colombo ..	219,557	276,665	242,212	454	405	336	741	16	12	28	680	19.97	22.29	28.58	33.16	28.03	140	308	288	81.7	1.06
Negombo ..	13,045	26,683 ^c	27	29	31	32	63	1	1	2	63	25.53	33.00	28.73	50.05	25.37	13	232	167	—	0.31
Moratuwa ..	27,236	30,433	46	36	54	55	109	3	3	6	107	32.78	38.86	42.77	47.17	31.05	17	207	173	—	—
Kalutara ..	13,005	14,212	18	13	26	27	53	3	5	8	44	26.60	25.50	37.67	37.42	22.52	10	323	261	—	3.13
Panadura ..	5,799	7,629	7	5	15	12	27	—	2	2	23	19.14	24.34	36.68	43.66	26.83	3	250	244	—	—
<i>Central.</i>																					
Kandy ..	30,149	32,785	34	34	85	62	147	1	2	3	113	25.24	25.63	41.94	45.71	29.80	17	250	190	76.2	1.52
Gampola ..	5,521	7,271	9	10	17	15	32	1	—	1	23	31.79	28.63	38.48	39.94	29.22	4	211	203	—	1.82
Nawalapitiya ..	3,787	4,026	3	1	5	7	12	—	—	—	6	12.09	35.35	18.13	19.71	25.63	—	—	—	—	—
Hatton and Dikoya ..	3,025	3,168	5	3	13	12	25	—	—	—	7	30.72	20.63	26.88	31.40	19.14	3	375	353	—	3.58
Maale ..	5,792	7,943 ^d	12	11	31	25	56	—	1	1	24	35.21	26.31	45.92	52.77	36.39	2	87	83	—	2.10
Nuwara Eliya ..	14,910	15,120 ^e	11	8	19	10	13	23	—	1	6	15.28	16.53	13.67	15.59	11.28	1	53	51	60.4	2.13
<i>Southern.</i>																					
Galle ..	39,936	42,113	33	46	79	62	134	3	5	8	122	22.82	23.88	35.25	34.51	23.78	16	156	156	80.6	2.36
Ambalangoda ..	—	4,492	4	2	4	1	5	—	—	—	5	16.25	—	13.54	—	—	3	500	388	—	—
Mavara ..	13,851	17,258 ^f	25	23	48	16	16	32	—	—	29	33.84	33.64	20.44	20.03	23.43	5	104	86	—	2.74
Weligama ..	8,672	9,555	17	12	29	7	16	—	1	1	16	36.92	31.20	20.37	18.35	24.66	1	34	36	—	—
Hambantota ..	3,932	3,290	3	3	2	2	4	—	—	—	3	22.19	43.25	11.09	12.40	35.01	—	—	—	81.5	0.85
Tangalla ..	3,505	5,940 ^g	2	6	8	10	11	21	—	1	3	16.38	42.41	36.87	37.68	26.89	—	3	196	—	3.75
<i>Northern.</i>																					
Jaffna ..	40,441	46,036	70	55	125	68	57	125	4	11	3	33.04	34.82	31.95	32.67	30.88	49	392	397	83.2	0.53
Mannar ..	3,777	4,139	6	6	12	14	6	20	—	1	10	35.27	44.71	29.39	32.37	35.79	2	167	174	—	—
Mullaitivu ..	1,392	1,457	4	1	5	4	2	6	—	—	3	41.75	46.88	25.05	33.21	30.62	—	—	—	—	—
Vavuniya ..	808	1,049	—	2	2	4	2	6	—	—	2	23.20	21.88	23.20	31.50	41.40	—	—	—	—	0.57
<i>Eastern.</i>																					
Baticaloa ..	10,671	11,213	22	27	49	11	20	31	—	3	31	53.17	42.21	33.63	33.17	37.53	10	204	306	84.1	0.51
Kalmunai ..	—	2,102	8	1	9	5	2	7	—	—	3	52.08	54.82	17.36	—	—	2	232	207	—	—
Trincomalee ..	8,840	10,832	13	13	26	17	8	25	—	3	25	29.20	34.65	28.08	30.82	36.63	7	289	321	86.6	2.35
<i>North-Western.</i>																					
Kurunegala ..	8,167	9,704	12	11	23	55	30	85	1	2	58	28.84	29.98	72.72	74.71	36.83	6	261	210	81.7	2.17
Puhalam ..	5,990	6,723	11	7	18	26	17	43	1	2	39	32.57	30.29	70.57	75.48	28.23	6	333	298	81.8	0.40
Kalpitiya ..	1,591	1,679	5	1	6	6	6	6	—	—	6	43.47	20.01	44.47	—	—	4	667	991	—	—
Chilaw ..	5,033	6,157 ^g	9	4	13	17	8	25	—	3	21	27.39	27.60	44.24	42.41	29.97	—	—	—	—	0.22
<i>North-Central.</i>																					
Anuradhapura ..	5,361	7,085	12	11	23	15	2	17	—	1	14	39.49	22.89	23.50	28.79	45.13	3	130	190	84.0	0.04
<i>Uva.</i>																					
Badulla ..	6,487	7,203 ^g	16	15	31	16	12	28	1	1	13	51.72	32.45	23.36	25.77	31.40	7	226	271	75.1	0.85
Lunugala ..	515	614	—	—	—	—	—	—	—	—	31	—	38.81	19.80	—	—	—	—	—	—	—
<i>Sabaragamuwa.</i>																					
Ratnapura ..	5,476	7,377 ^g	9	9	18	45	30	75	—	1	33	29.69	23.34	69.27	78.53	31.49	9	500	493	80.0	6.33
Kegalla ..	2,536	2,690	3	—	3	28	14	42	—	1	27	13.57	23.73	63.32	58.07	33.10	1	333	119	—	1.60

^a 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.
^b Blanks indicate that there are no observatories or rain gauges.
^c Includes population of the Negombo Local Board and registration area.
^d Estimated to the end of December, 1917, by natural increase method.
^e Standardized death-rates for Kalpitiya and Lunugala towns.
^f Increase of population in one to the extension of the town limits.
^g Increase of population in one to the extension of the town limits.

Table III.—Number of Births and Deaths registered during the Month of September, 1918, 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 1917, in each Ward of the City of Colombo.

Wards.	Population (including Military) at the Census of 1911.	Population estimated to Middle of 1918 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.		Standardized Death-rate.*	Number registered during Sept., 1918.	Its proportion to 1000 births registered during Sept., 1918.	Its proportion per 1000 births registered during the Year ended last day of Sept., 1918.		
															Average for Sept., 1908 to 1917.	Sept., 1918.					Average for Sept., 1908 to 1917.	
City of Colombo ..	219,557	276,665†	242	212	454	16	12	28	405	336	741	91	650	19.97	22.29	28.58	24.76	33.16	140	308	288	
Fort and Galle Face	3,612	3,512‡	—	1	1	—	—	3	—	—	3	—	3	3.46	2.27	10.39	5.79	—	—	—	—	
Pettah ..	7,974	7,974‡	3	1	4	—	—	5	—	—	5	—	5	6.10	4.99	7.63	9.53	—	—	—	—	
San Sebastian ..	11,646	13,491	5	4	9	1	2	3	13	8	21	—	21	8.12	17.31	18.94	21.48	—	3	333	164	
St. Paul's ..	24,736	28,633	22	9	31	1	—	1	37	29	66	—	66	13.17	14.59	28.04	19.87	—	23	742	701	
Kotahena ..	40,771	47,212	40	33	73	1	2	3	56	69	125	—	125	18.81	20.26	32.21	20.17	—	25	342	300	
New Bazaar ..	22,309	26,700	19	22	41	1	1	2	25	21	46	—	46	18.68	21.11	20.96	25.24	—	12	293	292	
Maradana Hospitals			68	62	130	9	5	14	135	68	203	78	125	—	—	—	—	—	16	—	—	—
Maradana (exclusive of Hospitals) ..	48,093	67,403	35	25	60	—	1	1	72	66	138	2	136	10.83	17.69	24.55	19.63	—	34	567	407	
Slave Island ..	21,984	26,646	23	21	44	3	1	4	25	34	59	2	57	20.09	22.54	26.03	20.20	—	12	273	251	
Kollupitiya ..	25,410	37,779	10	22	32	—	—	—	18	18	36	9	27	10.31	13.86	8.70	14.41	—	8	250	263	
Wellawatta ..	13,223	17,315§	17	12	29	—	—	—	16	23	39	—	39	20.98	27.83	27.40	31.45	—	7	241	173	

* 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 intercensal 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 1918. 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 and that of the part of Kollupitiya taken over to Wellawatta on the latter method.

|| Average for months of September, 1912-1917.

Table IV.—Causes of Deaths registered during the Month of September, 1918, in each Ward and of each Race in the City of Colombo.

Causes of Death.	City of Colombo.	Wards.											Deaths among all Races.						
		Fort and Gale 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.
All Causes	741	3	5	21	66	125	46	203	138	59	36	39	5	39	369	167	115	22	24
I.—Infantile Mortality	140	—	—	3	23	25	12	16	34	12	8	7	—	3	64	35	32	4	2
<i>A.—One Week and under.</i>																			
1. Prematurity ..	9	—	—	—	1	3	1	1	2	1	—	—	—	—	4	3	2	—	—
2. Debility ..	21	—	—	—	4	1	2	4	7	1	1	1	—	—	7	9	4	—	—
3. Convulsions ..	7	—	—	—	3	2	—	1	—	—	—	1	—	—	3	4	—	—	—
4. Diarrhoea ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4a. Enteritis ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Tetanus ..	1	—	—	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	—
6. Bronchitis ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. Pneumonia ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Other Causes ..	4*	—	—	—	1	—	—	1	—	1	1	—	—	1	1	—	—	1	1
<i>B.—Over 1 Week and under 1 Year.</i>																			
1. Prematurity ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Debility ..	23	—	—	1	4	1	1	3	12	—	1	—	—	1	8	8	5	—	—
3. Convulsions ..	22	—	—	2	4	4	4	—	3	1	2	2	—	—	8	6	8	—	—
4. Diarrhoea ..	1	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—
4a. Enteritis ..	3	—	—	—	1	—	—	1	—	1	—	—	—	—	2	—	—	—	—
5. Tetanus ..	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
6. Bronchitis ..	10	—	—	—	—	2	1	—	4	3	—	—	—	1	4	—	1	—	—
7. Pneumonia ..	21	—	—	—	2	7	1	3	4	1	—	3	—	—	15	3	3	—	—
8. Other Causes ..	17†	—	—	—	3	4	2	2	2	1	3	—	—	—	10	2	4	—	1
II.—General Mortality (1 Year and over)	601	3	5	18	43	100	34	187	104	47	28	32	5	36	305	132	83	18	22
1. Plague ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Smallpox ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Chickenpox ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Measles ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Influenza ..	66	—	2	5	10	12	6	—	20	5	4	2	—	7	23	17	15	3	1
6. Pyrexia or Fever ..	3	—	—	—	1	1	—	—	—	1	—	—	—	—	2	—	1	—	—
7. Enteric Fever..	23	1	—	—	2	4	1	8	1	5	1	—	1	2	11	1	4	2	—
8. Malaria ..	4	—	—	1	1	—	—	1	1	—	—	—	—	—	2	—	1	—	—
9. Malarial Cachexia	2	—	—	—	—	—	—	—	1	1	—	—	—	1	—	—	—	—	—
10. Cholera ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. Diarrhoea ..	10	—	—	—	1	4	—	1	2	1	1	—	—	—	4	5	1	—	—
11a. Enteritis ..	16	—	—	—	1	2	2	7	1	1	—	2	—	1	6	3	5	—	—
12. Dysentery ..	13	—	—	—	1	4	—	3	1	2	2	—	—	—	10	2	—	—	—
13. Anchylostomiasis or Dochmius Duodenalis ..	11	—	—	—	1	—	—	10	—	—	—	—	—	—	8	3	—	—	—
14. Cancer ..	5	—	—	—	—	1	—	3	—	1	—	—	—	—	3	1	—	—	—
15. Phthisis ..	49	—	—	3	3	10	2	18	7	1	5	—	1	—	29	8	7	—	—
16. Other Tuberculous Diseases	2	—	—	—	1	—	—	1	—	—	—	—	—	—	1	—	—	—	—
17. Anæmia ..	4	—	—	—	2	—	—	—	—	—	—	2	—	—	1	—	3	—	—
18. Diabetes Mellitus	5	—	—	—	1	2	—	—	—	1	1	—	—	—	2	1	2	—	—
19. Convulsions ..	11	—	1	—	—	2	—	—	3	—	—	5	—	3	7	—	—	—	—
20. Tetanus ..	3	—	—	—	—	1	1	—	—	1	—	—	—	—	1	1	1	—	—
21. Bronchitis ..	8	—	—	—	1	2	—	—	3	1	—	1	—	—	3	4	—	1	—
22. Pneumonia ..	165	1	1	3	4	26	6	81	19	11	2	11	1	11	92	41	8	4	8
23. Other Diseases of the Respiratory System	13	—	—	—	1	2	6	2	1	—	1	—	—	—	5	6	1	—	1
24. Bright's Disease and Nephritis	22	—	—	1	—	2	15	2	—	—	2	—	—	1	12	6	2	—	1
25. Puerperal Eclampsia	1	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—
26. Puerperal Septicæmia	3	—	—	—	—	—	1	—	—	2	—	—	—	—	—	—	1	2	—
27. Miscarriage ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28. Other undefined Accidents of Childbirth ..	3	—	—	1	—	—	—	1	—	1	—	—	—	—	1	1	1	—	—
29. Starvation ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30. Accidents or Negligence	6	—	—	—	—	—	—	4	—	—	1	1	1	—	3	1	1	—	—
31. Homicide ..	1	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—
32. Suicide ..	1	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—
33. Execution ..	4	—	—	—	—	—	—	—	4	—	—	—	—	—	4	—	—	—	—
34. All Other Causes	147‡	1	1	4	13	28	10	27	37	11	8	7	1	9	73	29	23	4	3

* Two deaths from Atelectasis and 1 each from Injuries at Birth and Malformation.

† Six deaths from Influenza, 5 from Rickets, and 1 each from Thrush, Whooping Cough, Intestinal Obstruction, Enteric Fever, Pyæmia, and Want of Breast Milk.

‡ Here are included 44 deaths from Old Age, 13 from Paralysis, 12 from Debility, 8 from Rickets, and 7 from Worms.