

SUPPLEMENT

TO THE

Ceylon Government Gazette

PART I.

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VITAL STATISTICS OF TOWNS IN CEYLON IN THE MONTH OF DECEMBER, 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 1,432 (750 males and 682 females), and was equivalent to an annual rate of 26·58 per 1,000, against 26·93 in the preceding month, 28·70 in the corresponding month of the previous year, and 29·05 the average for the corresponding months since 1908. The rate ranged from 8·77 in Nawalapitiya to 66·00 in Kalmunai.

3. In the city of Colombo the births registered numbered 510 (279 males and 231 females), and were equivalent to an annual rate* of 21·70 per 1,000, against 22·65 in the preceding month, 22·24 in the corresponding month of the previous year, and 24·06 the average for the corresponding months since 1908. The rate ranged from 7·48 in Kollupitiya to 34·68 in Wellawatta.

Deaths.

4. The total deaths registered during the month numbered 2,077 (1,046 males and 1,031 females). There were 1,738 deaths of residents in towns, equivalent to an annual rate of 35·16 per 1,000, against 41·24 in the preceding month, 27·37 in the corresponding month of the previous year, and 33·22 the average for the month of December in each year since 1908. The rate ranged from 128·30 in Anuradhapura to 17·36 in Hatton and Dikoya.

5. In the city of Colombo the deaths numbered 687 (355 males and 332 females). There were 585 deaths of residents, equivalent to an annual rate* of 28·88 per 1,000, against 35·56 in the preceding month, 28·04 in the corresponding month of the previous year, and 33·24 the average for the month of December in each year since 1908. The rate ranged from 29·98 in New Bazaar to 8·73 in Kollupitiya.

6. The stillbirths registered numbered 101 (50 males and 51 females), as against 98 in the preceding month.

Infant Mortality.

7. The mortality of infants under one year of age was equal to a rate of 322 per 1,000 births registered during the twelve months ended December 31, 1918. Reckoned on the births registered during the month only the rate was 328, against 339 in the preceding month, 247 in the corresponding month of the previous year, and 304 the average for the corresponding months since 1908.

8. In the city of Colombo the mortality of infants was equal to a rate of 304 per 1,000 births registered during the twelve months ended December 31, 1918. Reckoned on the births registered during the month only the rate was 300, against 336 in the preceding month, 283 in the corresponding month of the previous year, and 347 the average for the corresponding months since 1908.

Causes of Death.

9. The highest mortality was attributed to *Pneumonia*, to which 14 per cent. of the total deaths was due, 10 per cent. was due to *Debility*, 8 per cent. to *Influenza*, 7 per cent. to *Convulsions*, 6 per cent. to *Phthisis*, 5 per cent. each to *Dysentery*, *Diarrhoea*, and *Enteritis*, 4 per cent. to *Malaria and Malarial Cachexia*, 3 per cent. to *Anchylostomiasis*, 2 per cent. each to *Bright's Disease* and *Nephritis*, *Bronchitis*, and *Prematurity*, and 1 per cent. each to *Puerperal Septicæmia* and *Enteric Fever*.

10. In Colombo, too, the highest mortality was from *Pneumonia*, to which 13 per cent. of the total deaths was due, 11 per cent. was due to *Phthisis*, 9 per cent. to *Debility*, 7 per cent. to *Enteritis*, 6 per cent. each to *Convulsions* and *Influenza*, 3 per cent. to *Dysentery*, 2 per cent. each to *Bright's Disease* and *Nephritis*, *Bronchitis*, *Diarrhoea*, and *Puerperal Septicæmia*, and 1 per cent. each to *Enteric Fever* and *Anchylostomiasis*.

11. One death from *Plague* was registered (in Colombo), as against 2 in the preceding month and 6 in the corresponding month of the previous year.

12. *Infectious Diseases reported*.—The infectious disease most prevalent during the month was *Phthisis*, of which 84 cases were reported (75 in Colombo, 4 in Galle), followed by *Dysentery* 40 (in B. dulla), *Chickenpox* 31 (15 in Colombo, 9 in Nuwara Eliya, 5 in Ratnapura), *Enteric Fever* 25 (15 in Colombo, 3 in Kalutara, 3 in Jaffna), *Measles* 12 (7 in Nuwara Eliya and 5 in Colombo), *Continued Fever* 11 (6 in Colombo, 4 in Panadure), *Plague* 2 (in Colombo), *Diarrhoea* 1 (in Colombo), and *Mumps* 1 (in Colombo).

Meteorology.

13. *Rainfall*.—Batticaloa recorded the highest rainfall (22·38 inches), followed by Kegalla (18·80 inches), and Mannar (14·21 inches). In the other towns it ranged from 13·82 inches in Trincomalee to 2·25 inches in Hambantota.

14. *Temperature*.—The mean temperature varied from 58·5° in Nuwara Eliya to 79·4° in Colombo.

15. 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, January 30, 1919.

N. W. MORGAPPAN,
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 December, 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 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 Non-residents of Towns and Villages in Town Hospitals.		Birth-rate.		Death-rate excluding non-residents.			Mortality of Children under One Year.		Mean Temperature.	Rainfall in Inches.
			Males.	Females.	Males.	Females.	Males.	Females.	Persons.	Persons.	Persons.	Persons.	Crude, December, 1918.	Standardized, ^a December, 1918.	Average Death-rate for Dec., 1908-1917.	Number registered during Dec., 1918.	Its proportion to 1,000 births registered during year ended last day of Dec., 1918.		
All 33 Towns ..	517,877	684,752	750,682	1,432	1,046	1,031	2,077	50	51	101	1,738	26.58	29.05	32.26	33.22	470	328	79.4	—
<i>Western.</i>																			
Colombo ..	219,557	276,005	279,231	510	355	332	687	17	20	37	97	21.70	24.06	24.90	33.24	153	300	79.4	4.45
Negombo ..	13,045	26,683	26,277	63	41	36	77	1	1	2	8	27.80	37.72	30.45	31.85	15	254	—	9.16
Moratuwa ..	27,256	30,438	45	46	36	62	98	4	4	2	1	35.20	40.17	37.52	40.31	33	363	—	—
Kalutara ..	13,005	14,212	24	1	24	32	56	—	—	—	8	29.83	32.96	39.77	29.00	12	333	—	12.23
Panadura ..	5,709	7,629	13	5	11	13	24	—	—	—	5	27.78	32.50	29.32	34.91	7	389	—	—
<i>Central.</i>																			
Kandy ..	30,149	32,785	45	36	43	54	97	1	4	5	14	29.09	28.27	29.81	30.08	22	272	74.0	12.43
Gampola ..	6,621	7,271	12	14	12	11	23	—	—	—	6	42.10	33.06	27.53	32.29	2	77	—	12.23
Nawalapitiya ..	3,767	4,026	2	1	11	12	23	4	4	—	23	8.77	29.87	28.57	32.29	2	99	—	—
Hatton and Dikoya ..	3,025	3,108	5	6	6	13	19	—	—	—	15	37.16	22.78	14.87	17.36	3	—	—	—
Matale ..	5,792	7,943 ^d	7	11	31	21	52	1	1	2	36	26.67	31.01	53.33	45.81	3	200	—	10.69
Nuwara Eliya ..	14,910	15,120 ^e	13	8	11	13	24	—	—	—	2	16.34	18.10	17.12	19.52	11	524	—	12.47
<i>Southern.</i>																			
Galle ..	39,936	42,113	25	40	45	53	98	0	3	9	87	18.17	30.58	24.32	29.56	14	216	58.5	9.30
Ambalagoda ..	4,492	4,492	3	7	—	3	3	—	—	—	11	23.21	—	7.86	—	—	149	—	7.82
Matare ..	13,851	17,258	17	42	15	23	38	1	1	2	37	40.25	43.78	25.24	24.72	14	237	—	3.67
Weligama ..	8,672	9,555 ^g	21	12	8	12	20	—	—	—	20	40.66	42.41	24.04	22.20	—	285	—	—
Hambantota ..	3,002	3,200	6	5	5	5	10	—	—	—	10	39.36	38.86	35.78	36.37	3	272	—	2.25
Tangalla ..	3,505	5,940 ^g	9	8	10	10	18	—	—	—	3	33.70	34.18	29.73	29.04	2	118	—	3.91
<i>Northern.</i>																			
Jaffna ..	40,441	46,036	54	50	84	78	162	3	1	4	157	26.60	31.65	40.15	33.71	56	639	77.2	7.26
Mannar ..	3,777	4,139	4	3	13	7	20	2	—	—	18	19.91	35.42	51.20	40.31	4	571	—	14.21
Mullaitivu ..	1,392	1,457	6	6	4	5	9	—	—	—	9	48.49	31.49	72.73	96.41	—	—	—	13.28
Vavuniya ..	808	1,049	—	4	3	7	10	—	—	—	6	44.90	15.14	67.34	91.45	4	—	—	11.40
<i>Eastern.</i>																			
Batticaloa ..	10,671	11,213	21	13	35	27	62	2	—	2	00	35.70	25.49	63.00	20.96	18	629	78.1	22.38
Kalmunai ..	—	2,102	5	5	15	11	26	—	—	—	17	56.00	43.15	95.21	—	5	500	—	—
Trincomalee ..	8,840	10,832	16	22	15	17	32	2	2	4	32	41.31	29.11	34.86	36.91	11	289	—	13.82
<i>North-Western.</i>																			
Kurunegala ..	8,167	9,701	20	17	69	64	123	3	4	7	72	44.89	32.38	87.36	55.20	21	567	77.4	12.97
Puttalam ..	6,990	6,723	14	7	16	29	36	2	2	4	33	36.77	34.91	57.79	50.78	14	666	—	6.55
Kalpitiya ..	1,691	1,679 ^g	1	3	5	2	7	—	—	—	7	21.04	41.00	49.08	—	1	—	—	9.13
Chilaw ..	5,033	6,167	12	11	11	16	27	1	—	1	22	46.89	37.67	44.85	42.99	6	261	—	10.80
<i>North-Central.</i>																			
Anuradhapura ..	5,361	7,085	12	13	41	31	72	1	3	4	63	41.55	26.57	104.60	59.16	16	640	76.6	9.02
<i>Uva.</i>																			
Badulla ..	6,487	7,293	15	13	39	26	65	—	—	2	47	45.21	39.71	75.88	37.00	10	357	70.3	9.56
Lunugala ..	515	614 ^g	—	1	10	8	18	—	—	—	4	19.16	41.92	76.04	—	1	—	—	—
<i>Sobraragamawwa.</i>																			
Ratanapura ..	5,476	7,377 ^g	6	7	11	9	20	—	—	—	9	20.75	24.40	17.55	46.22	5	385	79.3	11.66
Kesella ..	2,536	2,690	2	4	13	8	21	—	—	—	16	26.26	27.10	21.88	25.04	2	278	—	18.80

^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 standard of the town of Kalmunai in 1911. ^b These are no observations in 1915. ^c This increase of population is due to the extension of the town limits from July 1915 to July 1916. ^d This increase of population is due to the extension of the town limits from July 1915 to July 1916. ^e This increase of population is due to the extension of the town limits from July 1915 to July 1916. ^f Standardized death-rates for Kalmunai and Lunugala towns not available, as the population of these towns has not been enumerated at the Census of 1911 by age and sex, while the town of Kalmunai was treated as a registration division. ^g Increase of population is due to the extension of the town limits. ^h The death-rates given for "All Towns" is, therefore, independent of the towns, but is scarcely affected by their rates.

Table III.—Number of Births and Deaths registered during the Month of December, 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 December, 1908 to 1917, in each Ward of the City of Colombo.

Wards.	Population (inclusive of Military) at the Census of 1911.	Population Estimated to Middle of 1915 by Inter-censal Increase.	Total Births registered.			Stillbirths.			Total Deaths including Deaths in Hospitals and Jails.			Per Mille per Annum.			Mortality of Children under one Year.								
			Males.	Females.	Persons.	Males.	Females.	Persons.	Males.	Females.	Persons.	Deaths of Residents.	Deaths of Non-Residents.	585	21.70	24.06	24.90	29.82	28.88	153	300	Its proportion per 1000 births registered during the year ended last day of Dec., 1918.	Its proportion per 1000 births registered during the year ended last day of Dec., 1918.
City of Colombo ..	219,557	276,665†	279	231	510	17	20	37	355	332	687	102	585	21.70	24.06	24.90	29.82	28.88	153	300	304	304	
Fort and Galle Face	3,512	3,512†	—	1	1	—	—	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—
Pettah ..	7,974	7,974†	1	—	1	1	—	1	3	2	5	—	5	1.48	4.64	7.38	10.27	—	—	—	—	—	—
San Sebastian ..	11,546	13,491	14	11	25	1	—	1	16	7	23	—	23	21.81	19.43	20.07	27.26	—	7	280	371	371	
St. Paul's ..	24,735	28,633	21	22	43	—	3	3	19	26	45	—	45	17.68	17.54	18.50	24.43	—	15	349	447	447	
Kotahena ..	40,771	47,212	53	48	101	3	4	7	46	47	93	—	93	25.18	23.20	23.19	26.28	—	21	208	243	243	
New Bazaar ..	22,309	26,700	20	21	41	3	2	5	28	40	68	—	68	18.08	22.26	29.98	29.43	—	32	780	764	764	
Maradana Hospitals			45	49	94	4	9	13	129	108	237	89	148	—	—	—	—	—	23	—	—	—	
Maradana (exclusive of Hospitals) ..	48,083	67,403	53	25	78	1	—	1	58	48	106	2	104	13.62	20.40	18.34	27.47	—	32	410	386	386	
Slave Island ..	21,984	26,646	33	18	51	2	—	2	21	16	37	4	33	22.53	22.15	14.58	23.31	—	8	159	168	168	
Kollupitiya ..	25,410	37,779	13	11	24	—	—	—	17	17	34	6	28	7.48	14.28	8.73	12.26	—	6	250	198	198	
Wellawatta ..	13,223	17,315‡	26	25	51	2	2	4	17	21	38	—	38	34.68	30.57	25.83	30.16	—	9	176	208	208	

* 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 December, 1912-1917.

Table IV.—Causes of Deaths registered during the Month of December, 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 Galle Face.	Pettah.	San Sebastian.	St. Paul's.	Kotahena.	New Bassar.	Maradana Hospitals.	Maradana (exclusive of Hospitals).	Slave Island.	Kollupitiya.	Wellawatta.	Europeans.	Burghers.	Sinhalese.	Tamilis.	Moors.	Malays.	Others.
All Causes ..	687	1	5	23	45	93	68	237	106	37	34	38	2	30	338	151	96	22	16
I.—Infantile Mortality ..	153	—	—	7	15	21	32	23	32	8	6	9	—	8	80	27	23	9	1
<i>A.—One Week and under.</i>																			
1. Prematurity ..	5	—	—	—	—	3	—	1	—	1	—	—	—	—	5	—	—	—	—
2. Debility ..	21	—	—	—	3	—	2	5	8	1	1	1	—	—	9	6	5	1	—
3. Convulsions ..	11	—	—	1	3	1	3	—	1	—	1	1	—	—	5	5	1	—	—
4. Diarrhoea ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4a. Enteritis ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Tetanus ..	1	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—
6. Bronchitis ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. Pneumonia ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Other Causes ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>B.—Over 1 Week and under 1 Year.</i>																			
1. Prematurity ..	1	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—
2. Debility ..	29	—	—	2	—	3	6	6	10	1	—	1	—	—	4	11	4	3	2
3. Convulsions ..	25	—	—	4	2	2	10	5	5	—	—	—	—	—	12	4	6	2	1
4. Diarrhoea ..	2	—	—	—	1	1	—	—	—	—	—	2	—	—	1	1	1	—	—
4a. Enteritis ..	13	—	—	—	2	1	3	4	2	—	—	1	—	—	1	—	1	—	—
5. Tetanus ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Bronchitis ..	6	—	—	—	1	1	1	—	2	—	—	1	—	—	3	3	1	—	—
7. Pneumonia ..	16	—	—	—	—	6	1	4	3	—	—	—	—	—	1	10	4	1	—
8. Other Causes ..	23*	—	—	—	3	2	6	2	1	5	4	—	—	—	11	3	5	4	—
II.—General Mortality (1 Year and over) ..	534	1	5	16	30	72	36	214	74	29	28	23	2	22	288	124	68	13	17
1. Plague ..	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—
2. Smallpox ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Chickenpox ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Measles ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Influenza ..	40	—	2	4	7	6	4	—	7	3	1	6	—	2	15	11	10	2	—
6. Pyrexia or Fever ..	6	—	—	—	—	—	—	—	4	1	—	—	—	—	3	1	—	1	1
7. Enteric Fever ..	9	—	—	—	1	1	—	4	—	2	1	—	—	2	3	2	1	1	—
8. Malaria ..	3	—	—	—	—	—	1	2	—	—	—	—	—	—	1	—	1	1	—
9. Malarial Cachexia ..	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	1	—
10. Cholera ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. Diarrhoea ..	9	—	—	—	1	5	1	—	2	—	—	—	—	2	3	1	2	—	1
11a. Enteritis ..	38	—	—	1	—	—	1	29	5	1	1	—	—	2	17	1	1	—	4
12. Dysentery ..	19	—	—	2	2	4	1	7	1	1	1	—	—	1	9	5	3	—	1
13. Anchylostomiasis or Dochmius Duodenalis ..	9	—	—	—	—	—	—	9	—	—	—	—	—	—	7	1	1	—	—
14. Cancer ..	6	—	—	—	—	1	—	4	1	—	—	—	—	—	5	1	—	—	—
15. Phthisis ..	78	—	—	2	4	10	5	40	7	2	6	2	1	5	29	23	7	—	3
16. Other Tuberculous Diseases ..	5	—	—	—	1	—	—	2	—	—	—	2	—	—	4	—	1	—	—
17. Anæmia ..	2	—	—	—	1	—	—	—	—	1	—	—	—	—	1	—	—	1	—
18. Diabetes Mellitus ..	4	—	—	1	—	2	—	—	1	—	—	—	—	—	3	—	1	—	—
19. Convulsions ..	2	—	1	—	2	2	1	—	1	—	—	1	—	—	3	4	1	—	—
20. Tetanus ..	2	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1	—	—
21. Bronchitis ..	9	—	—	—	2	1	2	1	—	1	2	—	—	—	2	2	5	—	—
22. Pneumonia ..	74	1	—	2	—	12	—	49	5	2	—	3	—	2	46	18	2	1	5
23. Other Diseases of the Respiratory System ..	7	—	—	—	1	—	1	1	—	1	1	2	1	—	1	5	—	—	—
24. Bright's Disease and Nephritis ..	15	—	—	—	2	—	1	7	3	1	1	—	—	1	3	3	3	—	—
25. Puerperal Eclampsia ..	4	—	—	—	—	—	—	3	1	—	—	—	—	—	2	1	1	—	—
26. Puerperal Septicæmia ..	11	—	—	1	—	1	1	5	—	—	1	2	—	1	8	—	1	1	—
27. Miscarriage ..	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—
28. Other undefined Accidents of Childbirth ..	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—
29. Starvation ..	1	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—
30. Accidents or Negligence ..	5	—	—	—	1	—	—	2	1	1	—	—	—	—	3	2	—	—	—
31. Homicide ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32. Suicide ..	1	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—
33. Execution ..	2	—	—	—	—	—	—	—	2	—	—	—	—	—	2	—	—	—	—
34. All Other Causes ..	163†	—	2	3	5	25	16	47	33	10	13	9	—	6	97	23	26	4	2

* 7 Death from Rickets, 3 each from Influenza, Syphilis, and Want of Breast Milk, 2 from Worms, and 1 each from Thrush, Malaria, Nephritis, Whooping-Cough and Dysentery.

† Here are included 47 deaths from Old Age, 11 from Apoplexy, 11 from Paralysis, 10 from Debility, 7 from Rickets, and 7 from Worms.