

SUPPLEMENT
TO THE
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PART I.

No. 6,795 — FRIDAY, MAY 26, 1916.

**VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF APRIL, 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 1,196 (597 males and 599 females), and were equal to an annual rate of 24·28 per 1,000, against 29·58 in the preceding month, 27·63 in the corresponding month of last year, and 28·64 the average of the corresponding months since 1908. The rate ranged from 12·49 in Vavuniya to 59·35 in Mullaittivu.

3. In the city of Colombo the births numbered 395 (196 males and 199 females), and were equal to an annual rate* of 18·57 per 1,000, against 22·25 in the preceding month, 22·70 in the corresponding month of last year, and 22·93 the average of the corresponding months since 1908. The rate ranged from 7·10 in St. Paul's to 26·58 in Wellawatta.

Deaths.

4. The total deaths registered during the month numbered 1,459 (783 males and 676 females). There were 1,184 deaths of residents, equivalent to an annual rate of 26·20 per 1,000, against 26·42 in the preceding month, 25·90 in the corresponding month of last year, and 27·89 the average for the month of April in each year since 1908. The rate ranged from 96·74 in Ratnapura to 7·41 in Nuwara Eliya.

5. In the city of Colombo the deaths numbered 498 (281 males and 217 females). There were 443 deaths of residents, equivalent to an annual rate* of 24·17 per 1,000, against 27·61 in the preceding month, 22·69 in the corresponding month of last year, and 26·55 the average for the month of April in each year since 1908. The lowest rate, 5·76, was, as usual, observed in Kollupitiya, and the highest, 23·64, in Slave Island.

6. Stillbirths numbered 75 (48 males, 26 females, and sex of 1 not distinguishable), against 87 in the preceding month.

Infantile Mortality.

7. The infantile mortality was equal to a rate of 223 per 1,000 births registered during the year ended April 30, 1916. Reckoned on the births registered during the month only the rate was 234, against 197 in the preceding month, 209 in the corresponding month of last year, and 240 the average of the corresponding months since 1908.

8. The infantile mortality in the city of Colombo was 212 per 1,000 births registered during the year ended April 30, 1916. Calculated on the births registered during the month the rate was 233 per 1,000, against 207 in the preceding month, 249 in the corresponding month of last year, and 272 the average of the corresponding months since 1908.

Causes of Death.

9. The highest mortality was from *Pneumonia*, to which was due 12 per cent. of the total number of deaths, 8 per cent. each were due to *Debility* and *Convulsions*, 7 per cent. to *Phthisis*, 6 per cent. to *Diarrhoea*, 4 per cent. each to *Dysentery*, *Anchylostomiasis*, and *Malaria*, 3 per cent. to *Enteric Fever*, and 2 per cent. each to *Enteritis*, *Malarial Cachexia*, *Bright's Disease* and *Nephritis*, *Puerperal Septicæmia*, and *Bronchitis*.

10. In the city of Colombo the highest mortality was also from *Pneumonia*, which caused 13 per cent. of the total number of deaths, *Phthisis* caused 12 per cent., *Debility* and *Convulsions* 8 per cent. each, *Enteric Fever* 6 per cent., *Bright's Disease* and *Nephritis* 4 per cent., *Enteritis* 3 per cent., and *Diarrhoea*, *Malaria*, and *Bronchitis* 2 per cent. each. Thirteen deaths from *Plague* were registered in the city of Colombo, against 18 in the preceding month. One death from *Cholera* was registered of a passenger on board ss. "Pie-ho" in Colombo Harbour.

11. *Infectious Diseases reported.*—The most prevalent infectious disease during the month was *Chickenpox*, of which 615 cases were reported (517 in Colombo, 22 in Kandy, 21 in Ratnapura, 14 in Badulla; 10 in Galle), followed by *Measles* 250 (186 in Colombo, 52 in Kandy), *Enteric Fever* 84 (54 in Colombo, 20 in Galle), *Phthisis* 64 (56 in Colombo, 4 in Galle), *Continued Fever* 14 (4 each in Colombo, Moratuwa, and Galle), *Plague* 12 (in Colombo), *Mumps* 7 (6 in Colombo), *Smallpox* 2 (1 each in Colombo and Jaffna), *Dysentery* 2 (in Moratuwa), *Diphtheria* 2 (1 each in Colombo and Kandy), *Cholera* 1 (in Colombo), and *Typhoid Fever* 1 (in Galle).

Meteorology.

12. *Rainfall.*—Ratnapura recorded the highest rainfall (15·69 inches), followed by Kegalla (11·83 inches). In the other towns the rainfall ranged from 11·17 inches in Colombo to 0·13 inch in Jaffna.

13. *Temperature.*—The mean temperature varied from 61·0° in Nuwara Eliya to 87·3° in Trincomalee, and was 82·5° 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, May 16, 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 April, 1916, their Proportion per 1,000 of the Population per Annum, and the Sex of Births 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.

Province and Towns.	Population (inclusive 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 Residents.		Birth-rates.		Death-rates excluding non-residents.			Mortality of Children under One Year.		Mean Yearly Temperature.	Rainfall Inches.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Persons.	Persons.	Persons.	Crude April, 1916.	Standardized.* April, 1916.	Average Death-rate for April, 1908-1915.	Number registered during April, 1916.	Its proportion to per annum to 1000 births registered during the year ended last day of April, 1916.	Its proportion to per annum to 1000 births registered during the year ended last day of April, 1916.				
All 33 Towns	597,599	1,196	783,676	1,459	48	26	75	269	1,184	24.28	28.64	24.03	26.20	27.89	280	234	223	82.5	11.17				
<i>Western.</i>																							
Colombo	196,199	395	281,217	498	12	9	21	55	443	18.57	22.93	20.83	24.17	26.55	92	233	212	82.5	11.17				
Negombo	27,48	75	34,30	64	2	2	4	10	54	35.20	41.39	25.34	26.51	22.07	13	173	168	—	7.49				
Moratuwa	45,46	91	31,44	75	4	4	8	2	75	37.60	38.95	30.99	34.17	24.64	22	242	215	—	—				
Kalutara	21,13	34	15,16	31	3	1	4	4	27	29.91	34.15	23.78	23.60	18.08	3	88	81	—	—				
Panadure	4,4	8	8,4	12	1	1	2	2	10	13.85	32.16	17.31	20.60	18.08	2	250	184	—	—				
<i>Central.</i>																							
Kandy	29,30	59	45,52	100	3	1	4	22	78	22.51	28.13	29.76	32.44	25.95	16	272	218	—	—				
Gampola	7,9	16	11,14	25	1	1	2	3	22	28.94	43.09	39.79	41.29	33.28	2	125	124	—	—				
Nawalapitiya	3,767	3,955	20,20	40	1	1	2	21	19	33.93	33.00	58.61	63.71	29.08	9	818	826	—	—				
Hatton and Dikoya.	3,131	1,5	6,8	3	1	1	2	5	5	33.38	13.33	19.48	22.76	33.73	1	167	153	—	—				
Matale	5,792	6,291	21,19	40	2	—	—	23	17	58.18	32.92	32.97	37.89	39.02	4	133	186	—	—				
Nuwara Eliya	14,910	15,016	6,3	9	—	—	—	1	8	13.00	12.38	6.50	7.41	9.36	3	188	155	—	—				
<i>Southern.</i>																							
Galle	39,936	41,510	41,40	81	6	2	8	7	74	28.80	30.96	21.75	21.29	26.55	11	112	123	—	—				
Ambalangoda	3,2	5	1,1	2	—	—	—	—	2	14.26	—	5.70	—	—	—	—	—	—	—	—	—	—	—
Matara	13,851	15,040	13,6	19	—	—	—	3	16	30.83	36.36	12.98	12.71	23.52	5	132	110	—	—				
Weligama	8,872	9,304	6,8	14	—	—	—	—	14	44.58	29.09	18.36	16.54	20.98	6	176	215	—	—				
Hambantota	3,092	3,235	5,1	6	—	—	—	—	6	45.25	36.12	22.63	25.30	36.03	4	333	488	—	—				
Tangalla	3,505	5,421**	4,6	10	—	—	—	—	6	28.04	40.34	16.82	17.20	33.52	1	100	92	—	—				
<i>Northern.</i>																							
Jaffna	40,441	44,436	53,48	101	4	5	10†	7	92	23.34	24.80	25.26	25.80	35.20	25	294	274	—	—				
Mannar	3,777	4,038	6,2	8	—	—	—	2	6	21.15	29.25	18.13	19.96	48.42	1	143	110	—	—				
Mullaitivu	1,392	1,439	3,4	7	—	—	—	—	7	59.35	49.17	59.35	78.67	72.18	2	286	508	—	—				
Vavuniya	808	977	2,2	4	—	—	—	—	1	12.49	14.12	12.50	16.96	42.49	1	—	610	—	—				
<i>Eastern.</i>																							
Batticaloa	10,671	11,062	20,15	35	1	—	—	2	31	25.36	26.54	34.19	33.72	35.42	6	261	200	—	—				
Kalmunai	—	2,060	7,2	9	—	—	—	5	4	41.47	45.37	23.70	28.75	50.30	3	429	374	—	—				
Trincomalee	8,840	10,248	9,13	22	3	1	4	—	22	34.52	30.02	26.19	28.75	50.30	9	310	407	—	—				
<i>North-Western.</i>																							
Kurunegala	8,167	9,263	28,43	43	3	1	4	19	24	34.24	30.38	31.60	32.47	45.35	5	192	221	—	—				
Puñalam	5,990	6,515	7,8	15	—	—	—	1	14	20.60	39.26	26.22	28.04	31.97	7	636	521	—	—				
Kalpiya	1,591	1,656	3,3	6	—	—	—	—	6	44.21	39.93	44.21	—	—	3	500	963	—	—				
Chilaw	5,033	5,562	11,7	18	1	—	—	4	13	35.09	28.26	28.51	27.33	27.26	3	188	282	—	—				
<i>North-Central.</i>																							
Anuradhapura	5,361	6,567	13,5	18	1	—	—	—	18	18.58	20.77	33.44	40.97	56.24	1	100	97	—	—				
<i>Una.</i>																							
Badulla	6,487	6,828	16,19	35	1	—	—	17	18	21.44	31.76	32.16	35.48	29.35	7	583	397	—	—				
Lunugala	515	587	8,8	16	—	—	—	16	—	20.77	71.02	—	—	—	—	—	—	—	—				
<i>Sabaragamuwa.</i>																							
Ratnapura	5,476	6,434	35,31	66	—	—	—	21	45	20.86	33.64	85.33	96.74	45.59	9	818	682	—	—				
Kegalla	2,536	2,647	12,11	23	—	—	—	16	7	27.65	32.61	32.26	29.59	13.06	4	667	669	—	—				

* 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.
 ‡ Population enumerated at the beginning of 1915.
 § Population enumerated at the Census of 1911 by age and sex while the town of Kalmunai was therefore independent of these towns, but is scarcely affected by their rates.
 ¶ Increase of population is due to the extension of the town limits.
 ** Increase of population is due to the extension of the town limits.

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

Causes of Deaths.	All 33 Towns.										Deaths among all Races.																																	
	Western Province.			Central Province.			Southern Province.			Northern Province.			Eastern Province.		North-Western Province.		North-Central Province.		Province of Sabaragamuwa.																									
	Colombo.	Negombo.	Moratuwa.	Kalutara.	Panadura.	Kandy.	Gampola.	Nawalappitiya.	Hatton & Dikoya.	Matale.	Nuwara Eliya.	Galle.	Ambalangoda.	Matara.	Weligama.	Hambantota.	Tangalla.	Jaffna.	Mannar.	Mullaitivu.	Vavuniya.	Batticaloa.	Kalmunai.	Thimimalae.	Kurunegala.	Puttalam.	Kapitiya.	Chilaw.	Anuradhapura.	Badulla.	Lunugala.	Ratnapura.	Kegalla.	Europeans.	Burghers.	Sinhalese.	Tamil.	Moors.	Malays.	Others.				
All Causes	498	64	75	31	12	100	25	40	11	40	9	81	2	19	14	6	6	101	8	7	4	35	9	22	43	15	6	18	35	16	66	23	8	41	384	457	198	29	42					
I.—Infantile Mortality	280	13	22	3	2	16	2	9	1	4	3	11	5	6	4	1	25	1	2	1	2	1	6	3	9	5	7	3	7	9	4	6	140	78	44	5	7							
A.—One Week and under																																												
1. Prematurity	18	3	1	2		3											3																											
2. Debility	43	6	4			1											8	1	2	1	4	3	2																					
3. Convulsions	26	6				2											2																											
4. Diarrhoea																																												
4a. Enteritis																																												
5. Tetanus	6	2				1																																						
6. Bronchitis																																												
7. Pneumonia																																												
8. Other Causes	6*	2															1																											
B.—Over 1 Week and under 1 Year																																												
1. Prematurity	5	1				2																																						
2. Debility	41	24	2			1											1																											
3. Convulsions	65	26	2			3											1																											
4. Diarrhoea	10	2	1			1																																						
4a. Enteritis	11	5	2			1																																						
5. Tetanus	2	1																																										
6. Bronchitis	12	1				1																																						
7. Pneumonia	13	6	1			1																																						
8. Other Causes	22†	7	2			1																																						
II.—General Mortality (1 Year and over)	1,179	406	51	58	28	10	84	23	31	36	6	70	2	14	8	2	5	76	7	5	3	29	6	13	38	8	3	15	17	28	16	57	19	8	35	544	379	154	24	35				
1. Plague	16	13																																										
1a. Smallpox																																												
2. Chickenpox	2	2																																										
3. Measles	5	4																																										

* These are due to Atalectasis (2 in Colombo and 1 in Moratuwa), 1 each to Injuries at Birth (in Moratuwa), Other Diseases to Early Infancy (in Jaffna), and Other Diseases of Infestines (in Anuradhapura).
 † This includes, besides 7 deaths mentioned in Table IV., footnote †, 6 deaths from Malaria (3 in Ratnapura and 1 each in Negombo, Panadura, and Jaffna), 2 from Thrush (1 each in Moratuwa and Ratnapura), 2 from Worms (1 each in Kalutara and Puttalam), 2 from Congenital Syphilis (in Badulla), 1 each from Intestinal Obstruction (in Moratuwa), Dysentery (in Puttalam), and Stomatitis in Negombo).

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

Wards.	Population (inclusive of Military) at Census of 1911.	Population estimated to 1916 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 Non-residents.	Deaths of Residents.	Birth-rate.		Death-rate.	Standardized Death-rate.*	Number registered during April, 1916.	Its proportion to 1000 births registered during April, 1916.	Its proportion to 1000 births registered during the Year ended April, 1916.			
														April, 1916.	Average for April, 1908 to 1915.								
			196	199	395	12	9	21	281	217	498	443	55	443	18.57	22.93	20.83	23.56	24.17	92	233	212	
City of Colombo ..	219,557	259,451†	196	199	395	12	9	21	281	217	498	443	55	443	18.57	22.93	20.83	23.56	24.17	92	233	212	
Fort and Galle Face	3,512	3,512†	—	—	—	—	—	—	7	1	8	8	—	8	—	2.86	27.79	5.69	—	—	—	—	—
Pettah ..	7,974	7,974†	—	1	1	1	—	1	1	—	1	1	—	1	1.53	4.11	1.53	10.42	—	—	—	—	—
San Sebastian ..	11,546	12,930	14	7	21	—	—	—	11	6	17	17	—	17	19.81	16.40	16.04	19.47	—	4	190	262	
St. Paul's ..	24,735	27,513	5	11	16	1	1	2	21	21	42	42	—	42	7.10	14.74	18.63	17.51	—	5	313	156	
Kotahena ..	40,771	45,357	38	35	73	1	1	2	30	29	59	59	—	59	19.64	20.97	15.87	20.65	—	18	247	241	
New Bazaar ..	22,309	25,425	15	23	38	2	2	4	16	24	40	40	—	40	18.23	19.90	19.19	20.84	—	11	289	280	
Maradana Hospitals	48,093	61,482	35	32	67	5	4	9	105	52	157	106	51	106	—	—	—	—	—	11	—	—	—
Maradana (exclusive of Hospitals) ..	21,984	25,287	39	34	73	—	—	—	39	41	80	80	—	80	14.49	20.52	15.87	19.82	—	16	219	209	
Slave Island ..	25,410	33,908	24	25	49	1	—	1	26	23	49	49	—	49	23.64	22.62	23.64	19.35	—	17	347	400	
Kollupitiya ..	13,223	16,063§	12	10	22	1	—	1	11	9	20	16	4	16	7.92	12.70	5.76	13.01	—	3	136	109	
Wellawatta ..	13,223	16,063§	14	21	35	—	1	1	14	11	25	25	—	25	26.58	36.80	18.99	27.44	—	7	200	204	

* 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 1916. 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 (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, April 1912, 1913, 1914, and 1915.

Table IV.—Causes of Deaths registered during the Month of April, 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.	Welisawatta.	Europeans.	Burghers.	Sinhalese.	Tamil.	Moors.	Malays.	Others.
All Causes	498	8	1	17	42	59	40	157	80	49	20	25	6	26	238	90	90	15	33
I.—Infantile Mortality	92	—	—	4	5	18	11	11	16	17	3	7	—	5	44	17	19	3	4
A.—One Week and under.																			
1. Prematurity	3									2		1		1					
2. Debility	6				2	1		3				1			2	3			
3. Convulsions	6					3				2		1			5	1			
4. Diarrhoea	—																		
4a. Enteritis	—																		
5. Tetanus	2					1				1					2				
6. Bronchitis	—																		
7. Pneumonia	—																		
8. Other Causes	2*									1						1			
B.—Over 1 Week and under 1 Year.																			
1. Prematurity	1																		
2. Debility	24				2	4	6	5	2	1		2		3	11	5	5		
3. Convulsions	26				1	6	2	10	10	3		2		1	14	3	4	2	
4. Diarrhoea	2						1										2		
4a. Enteritis	5							1		1					4		1		
5. Tetanus	1																		
6. Bronchitis	1								1						1				
7. Pneumonia	6								2	2					2		2		
8. Other Causes	7†						2	1	2	1					3		2		
II.—General Mortality (1 Year and over)	406	8	1	13	37	41	29	146	64	32	17	18	6	21	194	73	71	12	29
1. Plague	13			1	3		2		4	1		2			6	6			
2. Smallpox	—																		
3. Chickenpox	2																		
4. Measles	4									3					2				
5. Influenza	—																		
6. Pyrexia or Fever	1														1				

* These are due to Atalectasis.

† This includes 3 from Rickets, 1 from Erysipelas, 1 from Syphilis, and 1 from a disease affecting bones and joints.

Table IV.—Causes of Deaths registered during the Month of April, 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.	Wellawatte.*	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.	
II.—General Mortality (1 Year and over)— contd.																				
7. Enteric Fever	30				1							6		2						
8. Malaria	9						2													
9. Malarial Cachexia	6						4													
10. Cholera	1																			
11. Diarrhoea	19																			
11a. Enteritis	12				3															
12. Dysentery	5				1							1								
13. Anchylostomiasis or Dochmius Duo- denalis	6																			
14. Cancer	1																			
15. Phthisis	61																			
16. Other Tuberculous Diseases	1				9															
17. Anæmia	1																			
18. Diabetes Mellitus	5				1															
19. Convulsions	7																			
20. Tetanus	4																			
21. Bronchitis	8																			
22. Pneumonia	58				2															
23. Other Diseases of the Respiratory System	3				7															
24. Bright's Disease and Nephritis	20				2															
25. Puerperal Eclampsia	1																			
26. Puerperal Septicæmia	4																			
27. Miscarriage	—																			
28. Other undefined Accidents of Childbirth	6																			
29. Starvation	—				1															
30. Accidents or Negligence	8																			
31. Homicide	—																			
32. Suicide	1																			
33. Execution	—																			
34. All other causes	118*	3	1	3	7	15	8	35	28	8	5	28	1	8	16	28	3			

* Here are included 28 from Senility, 11 from Worms, 9 from Debility, and 7 from Paralysis.