

SUPPLEMENT

TO THE

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PART I.

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VITAL STATISTICS OF TOWNS IN CEYLON IN THE MONTH OF OCTOBER, 1914.

REPORT OF THE REGISTRAR-GENERAL.

This report deals with the Vital Statistics of the 32 principal towns in the Island proclaimed under sections 31-36 of the Ordinance No. 1 of 1895.

Births.

2. The births numbered 1,227 (636 males and 591 females), and were equal to an annual rate of 25·56 per 1,000, against 25·99 in the preceding month, 31·22 in the corresponding month of last year, and 29·27 the monthly average since July, 1907. The rate ranged from 7·21 in Kalpitiya to 56·21 in Badulla.

3. In the city of Colombo the births numbered 429 (236 males and 193 females), and were equal to an annual rate* of 20·78 per 1,000, against 23·42 in the preceding month, 26·41 in the corresponding month of last year, and 24·66 the monthly average. The rate ranged from 10·06 in Kollupitiya to 38·16 in Wellawatta.

Deaths.

4. The total deaths registered during the month amounted to 1,398 (736 males and 662 females). There were 1,166 deaths of residents, equivalent to an annual rate of 26·48 per 1,000, against 27·88 in the preceding month, 26·59 in the corresponding month of last year, and 30·76 the monthly average. The rate ranged from 77·53 in Badulla to 8·29 in Kegalla.

5. In the city of Colombo the deaths numbered 499 (270 males and 229 females). There were 451 deaths of residents, equivalent to an annual rate* of 25·34 per 1,000, against 27·11 in the preceding month, 26·82 in the corresponding month of last year, and 30·93 the monthly average. Kollupitiya showed the lowest death-rate, viz., 9·28, and Wellawatta the highest, 56·03.

6. Stillbirths numbered 79 (48 males and 31 females), against 72 in the preceding month.

Infantile Mortality.

7. The infantile mortality was equal to a rate of 222 per 1,000 births registered, against 234 in the preceding month, 257 in the corresponding month of last year, and 267 the monthly average. Infant mortality rates calculated on the number of births and deaths that occur in any one town of small population are misleading, and such rates are omitted from the table.

8. The infantile mortality in the city of Colombo was 249 per 1,000 births registered, against 267 in the preceding month, 299 in the corresponding month of last year, and 318 the monthly average, and ranged from 476 in Slave Island to 157 in Kotahena.

Causes of Death.

9. The highest mortality was from *Convulsions*, to which 9 per cent. of the total deaths were due, 8 per cent. each were due to *Debility*, *Pneumonia*, and *Phthisis*, 7 per cent. to *Diarrhœa*, 5 per cent. to *Dysentery*, 4 per cent. to *Enteritis*, 3 per cent. to *Anchylostomiasis*, and 2 per cent. to *Bronchitis*.

10. In the city of Colombo the highest mortality was from *Phthisis*, which caused 13 per cent. of the total number of deaths in the city. 9 per cent. each were due to *Convulsions* and *Debility*, 6 per cent. to *Enteritis*, 5 per cent. each to *Pneumonia* and *Plague*, 4 per cent. to *Smallpox*, 3 per cent. to *Bronchitis*, and 2 per cent. each to *Anchylostomiasis* and *Diarrhœa*. The total number of deaths registered from *Plague* was 23, against 15 in September, 34 in August, 52 in July, 36 in June, 30 in May, 29 in April, and 71 in March.

11. *Infectious Diseases reported.*—The most prevalent infectious disease during the month was *Chickenpox*, of which 124 cases were reported (96 in Colombo, 17 in Kandy, 9 in Galle), followed by *Phthisis* 94 (83 in Colombo), *Smallpox* 47 (46 in Colombo), *Enteric Fever* 37 (25 in Colombo), *Plague* 23 (in Colombo), *Continued Fever* 17 (5 in Colombo, 5 in Kandy), *Dysentery* 5 (in Moratuwa), *Whooping Cough* 3 (2 in Kandy, 1 in Colombo), *Mumps* 3 (1 in Colombo, 1 in Kandy, 1 in Jaffna), *Parangi* 1 (in Moratuwa), *Measles* 1 (in Colombo), *Diphtheria* 1 (in Colombo), *Diarrhœa* 1 (in Colombo).

Meteorology.

12. *Rainfall.*—Negombo recorded the highest rainfall (25·76 inches), followed by Trincomalee (20·74 inches). In the other towns the rainfall ranged from 6·83 inches in Hambantota to 20·70 inches in Puttalam.

13. *Temperature.*—The mean temperature varied from 61·3° in Nuwara Eliya to 82·0° in Batticaloa, and was 80·0° in Colombo.

14. For detailed information 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, November 18, 1914.

A. DE S. WIKRAMATILAKA,
for Registrar-General.

* The city-rate is worked out 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 October, 1914, 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 and Infantile Mortality from July, 1907, to June, 1914, 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 estimated, (inclusive of the Military to the middle of the Census increase) 10, 1911.		Total Births.		Total Deaths.		Total Stillbirths.		Deaths of Town Residents, 1914.		Birth-rates.		Death-rates, excluding non-residents.		Deaths of Children under One Year, 1907, to June, 1914.		Mean Temperature, in inches.	Rainfall, in inches.			
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	July, 1907, to June, 1914.	October, 1914.	July, 1907, to June, 1914.	October, 1914.	July, 1907, to June, 1914.	October, 1914.					
All 32 Towns	636	591	1,227	736	662	1,398	48	81	79	224	29-27	25-56	24-29	30-76	20-48	273	267	222			
<i>Western.</i>																					
Colombo	236	193	429	270	229	499	19	17	36	41	24-66	20-78	21-84	30-93	25-34	107	318	249	80-0	16-02	
Negombo	40	44	84	25	21	46	3	3	6	4	37-43	41-36	20-68	26-80	21-63	7	188	83	—	25-76	
Moratuwa	57	54	111	43	54	97	2	1	3	—	38-46	49-33	43-11	28-43	47-54	23	183	207	—	13-77	
Kalutara	12	19	31	15	10	25	1	1	2	2	33-71	26-97	20-01	28-38	19-88	4	177	129	—	—	
Panadura	6	7	13	5	4	9	—	—	—	2	28-86	23-50	12-65	24-75	18-06	2	184	—	—	—	
<i>Central.</i>																					
Kandy	35	30	65	53	36	89	4	3	7	19	27-85	24-54	26-05	29-75	28-40	17	253	262	76-8	9-50	
Gampola	12	9	21	8	6	14	1	1	2	4	34-85	39-52	18-82	37-96	19-53	2	290	—	—	18-49	
Nawalapitiya	2	2	4	1	1	2	—	—	—	10	27-43	18-18	21-21	29-56	23-06	2	336	—	—	—	
Hetton & Dikoya	2	2	4	9	6	15	—	—	—	5	17-37	15-22	19-03	28-18	22-22	1	217	—	—	16-07	
Metab	2	2	4	19	17	36	—	—	—	26	30-58	7-72	19-31	35-68	53-80	3	290	—	—	16-92	
Nuwara Eliya	11	8	19	6	6	12	1	1	2	2	16-47	14-98	7-88	13-03	8-99	4	282	211	61-3	13-62	
<i>Southern.</i>																					
Galle	49	45	94	34	38	72	7	2	9	5	30-25	27-05	19-28	27-75	18-88	12	210	128	79-9	15-62	
Matara	20	10	30	17	28	45	—	—	—	3	38-01	24-23	33-92	23-77	33-23	6	169	200	11-60	—	
Weligama	10	12	22	10	13	23	1	1	2	—	29-27	28-59	22-89	22-23	26-93	6	120	—	—	—	
Hambantota	4	7	11	6	7	13	—	—	—	13	37-29	40-71	48-12	35-68	53-80	6	351	—	80-7	6-83	
Tangalla	4	4	8	2	2	4	—	—	—	4	36-65	23-48	11-74	33-36	42-00	—	223	—	—	8-54	
<i>Northern.</i>																					
Jaffna	36	41	77	38	48	86	—	—	—	4	37-49	21-14	22-51	36-37	23-00	19	300	247	80-9	19-64	
Maonar	10	7	17	4	1	5	1	1	2	—	38-87	50-82	14-95	42-58	16-46	3	298	—	81-7	13-46	
Mullaitivu	2	2	4	2	3	5	—	—	—	5	34-59	33-14	41-42	50-76	54-91	2	285	—	—	14-53	
Vavuniya	1	—	1	2	2	4	—	—	—	4	22-69	13-94	—	22-82	—	—	302	—	—	9-78	
<i>Eastern.</i>																					
Batticaloa	18	17	35	15	14	29	—	—	—	29	31-23	37-76	31-29	35-04	30-86	6	371	171	82-0	11-95	
Kalmunai	1	1	2	9	4	13	—	—	—	2	54-47	11-73	64-53	—	—	4	271	—	—	—	
Trincomalee	11	8	19	6	7	13	3	—	3	1	30-11	27-51	17-38	39-67	19-07	4	308	—	81-7	20-74	
<i>North-Western.</i>																					
Kurunegala	7	8	15	23	9	32	1	—	1	17	27-22	20-00	20-00	49-38	20-55	3	353	200	79-9	19-08	
Puttalam	8	4	12	15	7	22	—	—	—	2	34-89	22-38	37-31	35-58	39-90	8	305	—	80-9	20-70	
Kalpitiya	1	—	1	2	2	4	—	—	—	4	27-19	7-21	28-85	—	—	2	349	—	—	20-14	
Chilaw	12	8	20	11	9	20	1	—	1	—	33-07	43-96	43-96	33-02	42-14	4	213	—	—	13-91	
<i>North-Central.</i>																					
Anuradhapura	6	10	16	13	8	21	—	—	—	21	22-82	30-95	40-62	56-05	49-77	4	439	—	81-5	15-09	
<i>Uva.</i>																					
Badulla	11	21	32	31	35	66	—	—	—	26	31-75	55-21	70-26	32-80	77-53	9	279	—	73-7	11-78	
Lunugala	2	—	2	5	7	12	—	—	—	12	37-36	41-93	—	—	—	—	257	—	—	—	
<i>Sabaragamuwa.</i>																					
Ratnapura	7	11	18	21	14	35	1	—	—	15	29-74	34-96	38-84	44-83	44-03	2	303	—	79-5	14-64	
Kernin	1	3	4	6	5	11	—	—	—	9	27-11	18-08	9-04	21-69	8-29	1	247	—	—	18-65	

* The mean baralized 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. † See paragraph 7 of report. ‡ Blank indicates that there are no observations or that the generalization of the intercensal method, as the limits of the town were altered between 1901 and 1911. § Estimated to the end of December, 1913, by natural increase method. ¶ This includes the population as added on the extension of the town limits. †† Calculated for non-estate events on the population exclusive of the estate population at the Census of 1911. ‡‡ Standardized death-rates for Kalpitva 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 created by registration division only in January, 1914. The death-rate given for "All Towns" is therefore independent of these towns, but is scarcely affected by their rates.

Table II.—Causes of Deaths registered during October, 1914, in each Town of the Island proclaimed under Sections 31-36 of the Ordinance No. 1 of 1895.

Causes of Deaths.	Western Province.										Central Provinces.					Southern Province.				Northern Province.					Eastern Province.		North-Western Province.			North-Central Province.		Provinces of Sabaragamuwa.		Deaths among all Races.																													
	Colombo.			Negombo.			Moratuwa.			Kalutara.			Panadura.			Kandy.	Gampola.	Nawalapitiya.	Hatton and Dikoya.	Matale.	Nuwara Eliya.	Galle.	Matara.	Weligama.	Hambantota.	Tangalla.	Jaffna.	Mannar.	Mullaitivu.	Vavuniya.	Batticaloa.	Kalmunai.	Trincomalee.	Kurunegala.	Turtalam.	Kalpitiya.	Chilaw.	Amarathapura.	Badulla.	Lunugala.	Ratnapura.	Kegalle.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.														
	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total	No.	%	Total												
All 32 Towns			499		7	23		4	25	9	89	14	21	15	36	12	4	6	23	13	4	86	5	5	29	13	13	33	22	4	20	4	21	66	12	35	11	3	59	654	461	175	22	24																			
All Causes			1,398		107	7	23	4	25	9	89	14	21	15	36	12	4	6	23	13	4	86	5	5	29	13	13	33	22	4	20	4	21	66	12	35	11	3	59	654	461	175	22	24																			
I.—Infantile Mortality			273		1	8																																																									
A.—One Week and under.			28		15	1	3																																																								
1. Prematurity			42		12	1	3																																																								
2. Debility			31		1	3																																																									
3. Convulsions																																																															
4. Diarrhoea																																																															
4a. Enteritis																																																															
5. Tetanus																																																															
6. Bronchitis																																																															
7. Pneumonia																																																															
8. Other causes																																																															
B.—Over 1 Week and under 1 Year.			5		21	1	4																																																								
1. Prematurity			35		26	2	1																																																								
2. Debility			64		4	1																																																									
3. Convulsions			6		4	1																																																									
4. Diarrhoea			13		6	2																																																									
4a. Enteritis			2		1																																																										
5. Tetanus			9		4																																																										
6. Bronchitis			9		2																																																										
7. Pneumonia			21		10																																																										
8. Other causes																																																															
II.—General Mortality (1 Year and over)			1,125		392	39	74	21	7	72	12	19	14	33	8	60	39	17	7	4	67	2	3	4	33	9	9	29	14	2	10	17	57	12	33	10	3	45	517	397	125	17	21																				
1. Plague			23		23																																																										
1a. Smallpox			23		22																																																										
2. Chickenpox																																																															
3. Measles																																																															

* One each from Intestinal Obstruction, Shock (in Colombo), and Stomatitis (in Kalpitiya).
 † This includes, besides 10 deaths mentioned in Table IV., footnote †, 3 each from Fever (2 in Jaffna, 1 in Puttalam), Worms (2 in Galle, 1 in Puttalam), 2 from Malaria (1 each in Jaffna and Mullaitivu), 1 each from Phthisis (in Moratuwa), Dysentery and Asthma (in Jaffna).

Table III.—Number of Births and Deaths registered during the Month of October, 1914, and their Proportion per 1,000 of the Population, the number of Stillbirths, 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 and Infantile Mortality from January, 1908, to June, 1914, in each Ward of the City of Colombo.

Wards.	Population (inclusive of the Military) at the Census of 1911.	Population Estimated to the Middle of 1914 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.						Deaths of Children under One Year to 1,000 Births registered.	
			Males.	Females.	Persons.	Males.	Females.	Persons.	Males.	Females.	Persons.			Birth-rate.		Crude Death-rate.		Standard-Death-rate.*	Deaths of Children under One Year.		
														Average January, 1908, to June, 1914.	October, 1914.	Average January, 1908, to June, 1914.	October, 1914.				Average January, 1908, to June, 1914.
City of Colombo..	219,557	243,114†	286	193	479	19	17	36	270	229	499	48	451	24.70	20.78	27.46	21.84	25.84	107	320	249
Fort and Galle Face	3,512	3,512†	—	—	—	—	—	—	3	—	3	—	3	4.00	—	7.08	10.06	—	—	81	—
Pettah ..	7,974	7,974†	3	3	6	—	—	—	3	—	3	1	2	5.97	8.86	10.76	2.96	—	1	270	—
San Sebastian ..	11,574	12,393	9	7	16	1	1	2	13	14	27	—	27	21.35	15.20	22.48	25.65	—	5	358	312
St. Paul's ..	24,735	26,436	23	13	36	—	1	1	16	14	30	3	27	16.87	16.03	22.29	12.03	—	9	423	250
Kotahena ..	40,771	43,574	38	32	70	3	3	6	30	32	62	—	62	22.79	18.91	23.61	16.75	—	11	319	157
New Bazaar ..	22,309	24,211	20	20	40	2	2	4	21	17	38	2	36	23.31	19.45	26.89	17.51	—	16	407	400
Maradana Hospitals			57	45	102	6	7	13	88	41	129	39	90	—	—	—	—	—	9	—	—
Maradana (exclusive of Hospitals) ..	48,093	56,081	33	32	65	3	—	3	38	40	78	—	78	21.54	13.65	24.84	16.38	—	23	355	354
Slave Island ..	21,984	23,997	13	8	21	1	3	4	12	21	33	—	33	23.29	10.30	23.72	16.19	—	10	362	476
Kollupitiya ..	25,410	30,435	16	10	26	1	—	1	11	13	24	—	24	15.14	10.06	15.99	9.28	—	6	274	230
Wellawatta ..	13,223§	14,501	24	23	47	2	—	2	35	37	72	3	69	31.67	38.16	28.31	56.03	—	17	255¶	362

* 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 1914. 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 the twenty-four months, January, 1912, to December, 1913.

Table IV.—Causes of Deaths registered during the Month of October, 1914, in each Ward and of each Race in the City of Colombo.

Causes of Death.	City of Colombo.	Ward.										Deaths among all Races.							
		Fort and Galle Race.	Pettah.	San Sebastian.	St. Paul's.	Kotahena.	New Bazaar.	Marsdona Hospitals.	Marsdona (exclusive of Hospitals).	Slave Island.	Kollupitiya.	Wellawatta.	Europeans.	Burghers.	Sinhalese.	Tamil.	Moors.	Malays.	Others.
All Causes	499	3	3	27	30	62	38	129	78	33	24	72	2	36	239	103	88	10	21
I.—Infantile Mortality	107	—	1	5	9	11	16	9	23	10	6	17	—	6	58	14	26	2	3
A.—One Week and under.																			
1. Prematurity	1																		
2. Debility	15																		
3. Convulsions	12																		
4. Diarrhoea	—																		
4a. Enteritis	—																		
5. Tetanus	2																		
6. Franchitis	—																		
7. Pneumonia	—																		
8. Other Causes	2*							1		1									
B.—Over 1 Week and under 1 Year.																			
1. Prematurity	1																		
2. Debility	21																		
3. Convulsions	26																		
4. Diarrhoea	4																		
4a. Enteritis	6																		
5. Tetanus	1																		
6. Bronchitis	4																		
7. Pneumonia	2																		
8. Other Causes	10†																		
I.—General Mortality (1 Year and over)	392	3	2	22	21	51	22	120	55	23	18	55	2	30	183	89	62	8	18
1. Plague	—																		
2. Smallpox	23																		
3. Chickenpox	—																		
4. Measles	—																		
5. Influenza	—																		

* Of these, 1 is due to Intestinal Obstruction and the others to Shock.

† This includes 2 from Nephritis, 2 from Syphilis, and 1 each from Strangulation of Bowels, Worms, Stomatitis, Ascites, Hyperpyrexia, and Smallpox.

Table IV.—Causes of Deaths registered during the Month of October, 1914, 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.	Maramana Hospitals.	Maramana (exclusive of Hospitals).	Slave Island.	Kollupitiya.	Wellawatta.	Europeans.	Burghers.	Sinhalese.	Tamil.	Moors.	Malays.	Others.		
11.—General Mortality (1 Year and over)— <i>contd.</i>																					
6. Pyrexia or Fever ..	3																				
7. Enteric Fever ..	8																				
8. Malaria ..	1																				
9. Malarial Cachexia ..	1																				
10. Cholera ..	—																				
11. Diarrhoea ..	4																				
11a. Enteritis ..	24																				
12. Dysentery ..	11																				
13. Anchylostomiasis or Doehmius Duo- denalis ..	8																				
14. Cancer ..	8																				
15. Phthisis ..	64																				
16. Other Tuberculous Diseases ..	5																				
17. Anæmia ..	3																				
18. Diabetes Mellitus ..	2																				
19. Convulsions ..	7																				
20. Tetanus ..	3																				
21. Bronchitis ..	12																				
22. Pneumonia ..	25																				
23. Other Diseases of Respiratory System ..	9																				
24. Bright's Disease and Nephritis ..	8																				
25. Puerperal Eclampsia ..	3																				
26. Puerperal Septicæmia ..	8																				
27. Miscarriage ..	—																				
28. Other undefined Accidents of Childbirth ..	4																				
29. Accidents or Negligence ..	7																				
30. Starvation ..	1																				
31. Homicide ..	—																				
32. Suicide ..	—																				
33. Executions ..	—																				
34. All other causes ..	118†																				

† This includes 35 from Senility, 9 from Worms, 8 from Paralysis, and 7 from Debility.

CEYLON :
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