

SUPPLEMENT
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**VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF SEPTEMBER, 1915.**

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 1,199 (639 males and 560 females), and were equal to an annual rate of 24·91 per 1,000, against 24·59 in the preceding month, 25·99 in the corresponding month of last year, and 28·04 the average of the corresponding months since 1908. The rate ranged from 7·40 in Kalpitiya to 45·51 in Hambantota.

3. In the city of Colombo the births numbered 447 (232 males and 215 females), and were equal to an annual rate* of 21·64 per 1,000, against 19·63 in the preceding month, 23·42 in the corresponding month of last year, and 23·41 the average of the corresponding months since 1908. The rate ranged from 7·67 in St. Paul's Ward to 25·15 in Wellawatta.

Deaths.

4. The total deaths registered during the month numbered 1,459 (842 males and 617 females). There were 1,189 deaths of residents, equivalent to an annual rate of 26·92 per 1,000, against 28·00 in the preceding month, 27·88 in the corresponding month of last year, and 28·75 the average for the month of September in each year since 1908. The rate ranged from 58·97 in Batticaloa to 9·66 in Matara.

5. In the city of Colombo the deaths numbered 543 (324 males and 219 females). There were 491 deaths of residents, equivalent to an annual rate* of 27·57 per 1,000, against 29·35 in the preceding month, 27·11 in the corresponding month of last year, and 29·80 the average for the month of September in each year since 1908. The lowest rate, 9·85, was, as usual, observed in Kollupitiya, and the highest, 47·95, in Wellawatta.

6. Stillbirths numbered 68 (42 males and 26 females), against 66 in the preceding month.

Infantile Mortality.

7. The infantile mortality was equal to a rate of 203 per 1,000 births registered during the twelve months ended September 30, 1915. Reckoned on the births registered during the month only the rate was 216, against 239 in the preceding month, 234 in the corresponding month of last year, and 250 the average of the corresponding months since 1908.

8. The infantile mortality in the city of Colombo was 190 per 1,000 births registered during the twelve months ended September 30, 1915. Taking only the births registered during the month the rate was 197, a marked improvement on 308 of the preceding month, 267 in the corresponding month of last year, and 289 the average of the corresponding months since 1908.

Causes of Death.

9. The highest mortality was from *Pneumonia*, closely followed by *Debility*, to each of which 10 per cent. of the total deaths was due, 8 per cent. were due to *Phthisis*, 7 per cent. to *Convulsions*, 6 per cent. to *Diarrhœa*, 5 per cent. to *Dysentery*, 3 per cent. each to *Enteritis* and *Malarial Cachexia*, and 2 per cent. each to *Enteric Fever*, *Malaria*, and *Bright's Disease* or *Nephritis*.

10. In the city of Colombo the highest mortality was from *Phthisis*, to which 15 per cent. of the total deaths was due, 7 per cent. each were due to *Convulsions*, *Pneumonia*, and *Enteritis*, 5 per cent. to *Debility*, 3 per cent. each to *Dysentery* and *Bright's Disease* or *Nephritis*, and 2 per cent. each to *Diarrhœa*, *Enteric Fever*, and *Bronchitis*. Twenty-seven deaths from *Smallpox* were registered in the city of Colombo, against 23 in the preceding month, and 19 from *Plague*, against 13 in the preceding month.

11. *Infectious Diseases reported.*—The most prevalent infectious disease during the month was *Phthisis*, of which 114 cases were reported (106 in Colombo, 5 in Galle), followed by *Enteric Fever* 64 (39 in Colombo, 9 in Moratuwa, 4 each in Kandy and Galle), *Smallpox* 48 (34 in Colombo, 13 in Galle, and 1 in Hatton and Dikoya), *Chickenpox* 38 (19 in Colombo, 13 in Ratnapura), *Dysentery* 22 (20 in Moratuwa), *Plague* 21 (in Colombo), *Continued Fever* 12 (5 in Colombo, 4 in Galle), *Measles* 12 (11 in Kandy and 1 in Colombo), *Typhoid Fever* 1 (in Moratuwa), *Tuberculosis of Abdomen* 1 (in Matara), and *Diphtheria* 1 (in Colombo).

Meteorology.

12. *Rainfall.*—Hatton and Dikoya recorded the highest rainfall (14·87 inches), followed by Kegalla (13·80 inches). In the other towns the rainfall ranged from 0·76 inch in Anuradhapura to 13·51 inches in Ratnapura. Colombo recorded 7·18 inches.

13. *Temperature.*—The mean temperature varied from 60·8° in Nuwara Eliya to 86·2° in Trincomalee, and was 80·3° 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, October 15, 1915.

N. W. MORGAPPAH,
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 September, 1915, their Proportion per 1,000 of the Population per Annum, and the Stillbirths and the Deaths of Children under One Year and their Proportion 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 (Military Census of March 10, 1911).	Population at the Middle of Increase of March 1915.		Total Births.		Total Deaths.		Total Stillbirths.		Deaths of Town Residents in Town Hospital.	Birth-rate.		Death-rate excluding non-residents.		Number registered during Sept., 1915.	Its proportion to 1000 births registered during the year ended last day of Sept., 1915.	Mean Temperature.	Rainfall in Inches.
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.		Sept., 1915.	Average Sept., 1908-1914.	Crude, Sept., 1915.	Standardized, Sept., 1915.				
All 33 Towns ..	517,877	639,560	1,199	842,617	1,459	42	28	68	263	1,189	24.91	28.04	24.70	26.92	259	216	203	
<i>Western.</i>																		
Colombo	219,557	232,215	447	324,219	543	14	9	23	51	491	21.64	23.41	23.77	27.57	88	197	190	80.3
Negombo	13,045	44,311	75	40,288	68	1	1	2	9	59	38.59	33.11	30.36	31.76	15	200	188	8.17
Moretuwa	27,256	46,366	82	42,488	90	5	1	6	6	90	34.30	40.09	37.65	41.52	19	232	177	—
Kalutara	13,005	15,100	25	19,143	33	1	1	1	5	27	22.20	26.15	23.98	23.82	10	400	295	10.81
Panadura	5,709	7,411	11	7,777	14	2	—	—	5	9	19.75	27.09	16.16	19.24	—	—	—	—
<i>Central.</i>																		
Kandy	30,149	31,675	27	33,600	48	28	3	—	19	54	23.12	26.49	20.81	22.68	15	250	207	76.4
Gampola	5,521	6,496	9	10,100	20	3	—	—	7	13	26.22	30.75	24.35	25.27	5	357	287	11.48
Nawalapitiya	3,767	3,920	7	9,133	22	1	—	—	18	6	31.04	33.82	9.31	10.12	—	—	—	—
Hatton & Dikoya	3,025	3,112	3	10,818	18	—	—	—	12	6	19.55	23.36	23.46	27.39	2	400	329	14.87
Matale	5,792	7,584	4	12,208	18	38	1	—	22	16	23.57	25.18	31.43	36.12	2	167	127	6.72
Nuwara Eliya	14,910	14,976	4	6,814	6	8	—	—	2	12	5.69	18.51	9.75	11.12	3	429	201	60.8
<i>Southern.</i>																		
Galle	39,936	41,212	34	44,343	78	6	5	11	13	65	18.30	25.53	19.19	18.79	8	129	83	8.25
Ambalangoda	—	4,174	—	2,204	4	1	—	—	4	4	32.07	—	11.66	—	1	91	—	—
Matara	13,851	14,807	16	20,100	20	—	—	—	8	12	29.59	34.97	9.86	9.66	4	111	107	8.07
Weligama	8,972	9,181	13	13,171	17	—	—	—	—	17	34.45	30.89	22.53	20.30	5	192	190	—
Hambantota	3,092	3,208	7	5,167	1	6	—	—	—	7	45.51	49.38	26.55	29.69	2	167	214	3.09
Tangalla	3,505	4,178	7	5,133	5	—	—	—	3	10	34.95	42.09	29.12	29.77	5	417	503	6.05
<i>Northern.</i>																		
Jaffna	40,441	43,656	63	49,112	68	48	5	8	19	96	31.21	34.71	26.75	27.33	32	286	369	1.96
Mannar	3,777	3,888	5	9,312	3	—	—	—	1	11	24.41	47.97	33.56	36.96	3	375	281	83.7
Mullattivu	1,392	1,430	1	2,202	—	—	—	—	—	2	17.02	47.68	25.52	33.84	—	—	—	—
Vavuniya	808	943	1	2,202	—	—	—	—	—	2	25.81	18.78	25.81	35.05	—	—	—	—
<i>Eastern.</i>																		
Batticaloa	10,671	10,987	18	20,323	55	—	—	—	1	54	42.08	40.49	59.80	58.97	16	421	571	2.04
Kalmunai	—	2,038	2	5,318	3	—	—	—	2	6	23.88	—	35.81	—	1	176	176	—
Trincomalee	8,840	9,968	12	16,183	34	—	—	—	1	33	31.74	35.73	40.28	44.21	7	269	341	1.30
<i>North-Western.</i>																		
Kurunegala	8,167	9,052	19	24,328	32	8	—	—	15	17	37.63	26.87	22.85	23.47	1	36	48	81.2
Puttalam	5,990	6,413	4	7,512	5	—	—	—	1	10	24.67	32.32	18.97	20.29	1	77	73	2.13
Kalpitaya	1,591	1,644	1	—	—	—	—	—	—	2	7.40	23.32	14.80	—	—	—	—	—
Chilaw	5,033	5,458	6	4,202	6	—	—	—	—	6	22.29	29.42	13.37	12.82	—	100	72	1.60
<i>North-Central.</i>																		
Anuradhapura	5,361	6,323	7	12,126	6	18	—	—	—	18	25.01	20.56	34.64	42.44	6	402	545	85.1
<i>Uva.</i>																		
Badulla	6,487	6,765	8	19,827	8	27	1	2	16	11	30.57	29.17	19.78	21.83	3	176	153	74.9
Lunugala	515	574	1	6,612	6	—	—	—	12	—	42.37	40.70	—	—	—	—	—	—
<i>Sabragamuwa.</i>																		
Ratnapura	5,476	6,246	6	18,125	5	18	1	—	11	17	17.53	26.60	33.12	37.54	3	333	202	80.2
Kesala	2,536	2,626	4	12,517	5	17	—	—	9	8	32.43	22.06	37.07	33.99	1	143	140	13.80

* 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.
 † Estimated to the end of December, 1915, by natural increase method.
 ‡ Population enumerated at the beginning of 1914.
 § Population enumerated at the Census of 1911 by age and sex, while the town of Kalmunai was created a registrar's division only in January, 1914, and Ambalangoda in January, 1915. The death-rate given for "All Towns" is therefore independent of these towns, but is scarcely affected by their rates.
 ¶ This increase of population is due to the extension of the town limits as from July, 1915.
 †† Standardized death-rates for Kalpitaya and Lunugala towns not available, as the population of these towns has not been enumerated at the Census of 1911.
 ††† Sex of one not known.

Table II.—Causes of Deaths registered during September, 1915, in each Town of the Island proclaimed under Sections 31-36 of the Ordinance No. 1 of 1895—continued.

Causes of Deaths.	Western Province.		Central Province.				Southern Province.				Northern Province.				Eastern Province.				North-Western Province.				North-Central Province.				Province of Sabaragamuwa.						Deaths among all Races.												
	Colombo.	Negombo.	Moratuwa.	Kalutara.	Pandure.	Kandy.	Gampola.	Nawalpitya.	Hatton & Diyoya.	Matale.	Nuwara Eliya.	Galle.	Ambalagoda.	Kalera.	Wiligama.	Hambantota.	Tangalla.	Jaffna.	Mannar.	Mullaitivu.	Vavunia.	Batticaloa.	Kalmunai.	Trincomalee.	Kurunegala.	Puttalam.	Kapitiya.	Chilaw.	Anuradhapura.	Badulla.	Lunenburg.	Kalpitiya.	Keegalla.	European.	Burglers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.					
II.—General Mortality—contd.																																													
4. Influenza ..	5																																												
5. Typhoid or Fever ..	34	1	6			2																													4		1								
6. Enteric Fever ..	34	1	6			2																													29		8								
7. Malaria ..	39	1	6			1																												11		20		7							
8. Malarial Cachexia ..						1																																							
9. Cholera ..	74	8	13	2	2	4	5	6	10	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1		34		35		4							
10. Diarrhœa ..	34	27	5	11	1	3	3	3	1	1	3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14		14		4								
10a. Enteritis ..	80	19	5	11	1	3	3	3	1	1	3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	14		14		4									
11. Dysentery ..	80	19	5	11	1	3	3	3	1	1	3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	14		14		4										
12. Anchylostomiasis or Doehrnitis ..	50	6	2	1	1	6	4	1	2	5	10																																		
13. Cancer ..	7					1					1																																		
14. Phthisis ..	123	80	2	5	1	6	1	1	1	1	4																																		
15. Other Tuberculous Diseases ..	7	2				2					2																																		
16. Anæmia ..	4	1				1					1																																		
17. Diabetes Mellitus ..	33	13				2					2																																		
18. Convulsions ..	6	4				1					1																																		
19. Tetanus ..	6	4				1					1																																		
20. Bronchitis ..	12	8				1					1																																		
21. Pneumonia ..	129	31	4	7	3	11	1	1	3	6	4																																		
22. Other Diseases of the Respiratory System ..	10	5				1					1																																		
23. Bright's Disease or Nephritis ..	27	15	1	1	1	2					1																																		
24. Puerperal Eclampsia ..	5	3				1					1																																		
25. Puerperal Septicæmia ..	15	3				1					1																																		
26. Miscarriage ..	1	1				1					1																																		
27. Other and undefined Accidents of Childbirth ..	9	3	2								1																																		
28. Starvation ..	3	2				1					1																																		
29. Accidents or Negligence ..	29	7				4					6																																		
30. Homicide ..	2					1					1																																		
31. Suicide ..	7					1					1																																		
32. Executions ..	8	6				2					1																																		
33. All other causes ..	353*	150	11	31	10	7	14	6	4	10	3	34	2	4	3	2	14	3	14	3	1	1	5	12	2	2	1	8	1	8	3	7	3	16	201	8	42	5			5				

* Here are included 85 from Senility (46 in Colombo), 40 from Intestinal Parasites (12 in Colombo), 67 from Debility (14 in Colombo), and 15 from Paralysis (6 in Colombo).

(4)

Table III.—Number of Births and Deaths registered during the Month of September, 1915, 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 1914, in each Ward of the City of Colombo.

Wards.	Population (inclusive of Military) at Census of 1911.	Population estimated to 31st Dec. 1915 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., 1915.	Its proportion to 1000 births registered during the Year ended last day of Sept., 1915.	Its proportion per annum to 1000 births registered during the Year ended last day of Sept., 1915.
City of Colombo ..	219,557	251,338†	232	215	447	14	9	23	324	219	543	52	491	21.64	23.41	23.77	26.53	27.57	88	197	190					
Fort and Galle Face	3,512	3,512‡	—	—	—	—	—	—	3	—	3	—	3	—	—	10.39	5.79	—	—	—	—	—				
Pettah ..	7,974	7,974‡	3	—	3	—	1	1	5	—	5	—	5	4.58	5.38	7.63	10.12	—	—	—	—	—				
San Sebastian ..	11,546	12,659	5	6	11	—	1	1	9	9	18	—	18	10.87	19.22	17.30	22.45	—	—	—	7	636	463			
St. Paul's ..	24,735	26,969	9	8	17	3	1	4	30	16	46	—	46	7.67	15.98	20.75	21.45	—	—	—	9	529	250			
Kotahena ..	40,771	44,457	37	25	62	1	1	2	38	27	65	—	65	16.97	21.11	17.79	21.97	—	—	—	9	145	105			
New Bazaar ..	22,309	24,810	23	18	41	1	—	1	23	21	44	—	44	20.11	22.35	21.58	27.39	—	—	—	13	317	308			
Maradana Hospitals	48,093	58,720	73	69	142	1	4	5	97	49	146	42	104	—	—	—	—	—	—	—	10	—	—			
Maradana (exclusive of Hospitals) ..	21,984	24,634	29	26	55	3	—	3	46	44	90	5	85	11.40	19.71	17.61	21.23	—	—	—	22	400	259			
Slave Island ..	25,410	32,125	21	24	45	3	—	3	19	16	35	1	34	22.23	23.51	16.79	21.89	—	—	—	9	200	221			
Kollupitiya ..	13,223	15,478§	19	20	39	2	1	3	17	13	30	4	26	14.77	14.59	9.85	16.92	—	—	—	4	117	151			
Wellawatta ..	—	—	13	19	32	—	—	—	37	24	61	—	61	25.15	32.14	47.95	30.32	—	—	—	5	156	129			

* 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 three months, September, 1912, 1913, and 1914.

Table IV.—Causes of Deaths registered during the Month of September, 1915, 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.	Maradana (exclusive of Hospitals).	Slave Island.	Kollupitiya.	Wellawatta.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.	
All Causes	543	3	5	18	46	65	44	146	90	35	30	61	6	34	259	120	84	15	25
I.—Infantile Mortality	88	—	—	7	9	9	13	10	22	9	4	5	—	10	33	17	19	6	8
A.—One Week and under.																			
1. Prematurity	6					1		3	1	1		1			4	2		1	1
2. Debility	4							1											
3. Convulsions	9			1	1	1			4	1	1			1		2		3	1
4. Diarrhoea																			
4a. Enteritis																			
5. Tetanus																			
6. Bronchitis																			
7. Pneumonia																			
8. Other Causes																			
B.—Over 1 Week and under 1 Year.																			
1. Prematurity	16				1	3	3		6	1		1			7	2	6	1	
2. Debility	18				1	1	2		4	1				1	10	4	3		
3. Convulsions	5				2	1	2		1	3	2			2	1		1		
4. Diarrhoea	9				1	1	2		4	1				2	1		1		
4a. Enteritis	1							3	4					3	5	1	1		
5. Tetanus	3					1			1					1	1	1			
6. Bronchitis	7						1		1		1	1		1	1		3		
7. Pneumonia	10*				2		1	3	1			2		1	2	1	5		1
8. Other Causes					1	1	3												
II.—General Mortality (1 Year and over)	455	3	5	11	37	56	31	136	68	26	26	56	6	24	226	103	65	9	22
1. Plague	19							1											
2. Smallpox	24							1											
3. Chickenpox																			
4. Measles																			
5. Influenza																			

* This includes 6 from Rickets, 3 from Smallpox, 3 from Stomatitis, and 1 from Stomatitis.

Table IV.—Causes of Deaths registered during the Month of September, 1915, 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.	Vellawatta.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.	
II.—General Mortality (1 Year and over)— <i>contd.</i>																				
6. Pyrexia or Fever ..	12					3	1	4			3									
7. Enteric Fever. . . .	1							1												
8. Malaria ..	1							1												
9. Malarial Cachexia ..	1																			
10. Cholera ..	8					4	1	13			1									
11. Diarrhoea ..	27					4	2	13			1									
11a. Enteritis ..	19				2	1	9	9			2									
12. Dysentery ..																				
13. Anchylostomiasis or Dochmius Duo- denalis ..	6					1		4												
14. Cancer ..	8				1			4												
15. Phthisis ..	80				6	11	1	26												
16. Other Tuberculous Diseases ..	2				4			1												
17. Anæmia ..	2					1		1												
18. Diabetes Mellitus ..	1																			
19. Convulsions ..	13				1	6		1												
20. Tetanus ..	4					2		1												
21. Bronchitis ..	8					5		1												
22. Pneumonia ..	31				5	1		10												
23. Other Diseases of the Respiratory System ..	5																			
24. Bright's Disease and Nephritis ..	15				1	1		3												
25. Puerperal Eclampsia ..																				
26. Puerperal Septicæmia ..	3																			
27. Miscarriage ..	1																			
28. Other undefined Accidents of Childbirth ..	3																			
29. Accidents or Negligence ..	7					1		1												
30. Starvation ..	2					2		3												
31. Homicide ..																				
32. Suicide ..																				
33. Executions ..	6																			
34. All other causes ..	150*		1	3	11	16	13	53			10	3	11	6	26	22	4		5	

* Here are included 46 from Senility, 12 from Worms, and 9 from Debility.