

SUPPLEMENT
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**VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF JULY, 1909.**

Report of the Registrar-General.

THIS Report deals with the Vital Statistics of the 31 principal towns of the Island proclaimed under sections 31 to 36 of the Ordinance No. 1 of 1895.

Births.

2. The births registered in the 31 towns during the month numbered 1,091 (583 males and 508 females), and were equal to an annual rate of 26·52 per 1,000, against 25·92 during the preceding month, 27·54 in the corresponding month of last year, and 30·37 the monthly average for the 24 months, July, 1907, to June, 1909. Of the towns (excluding Vavuniya and Lunugala, which have a population under 1,000), the highest birth-rate was in Mullaittivu (49·81, average 31·67), and the lowest in Kegalla (4·52, average 27·77).

3. In the city of Colombo the births numbered 368 (188 males and 180 females), and were equal to an annual rate of 23·56 per 1,000, against 25·80 in the preceding month, 20·56 in the corresponding month of last year, and 25·18 the monthly average. Of the wards (omitting Fort and Galle Face and the Pettah, which contain a population mainly adult and floating), the highest birth-rate was in New Bazaar (25·96, average 23·13), and the lowest in St. Paul's (13·59, average 18·31).

Deaths.

4. The deaths registered in the 31 towns during the month numbered 1,479 (841 males and 638 females), and were equal to an annual rate of 29·85 per 1,000, against 29·06 during the preceding month, 32·58 in the corresponding month of last year, and 32·29 the monthly average. Excluding Vavuniya and Lunugala, the highest death-rate was in Batticaloa (80·95 or more than double the average 36·16), followed by Anuradhapura (72·62, average 59·82), and the lowest in Kegalla (14·13, average 23·48). The unhealthiness of Batticaloa town is abnormal, and has been increasing since April last, when the rate was 45·42. In the month under review there appears to have been an epidemic of dysentery causing 22 deaths, and pneumonia causing 11 deaths.

5. In the city of Colombo the deaths registered numbered 548 (331 males and 217 females), and were equal to an annual rate of 32·35 per 1,000, against 33·94 during the preceding month, 39·29 in the corresponding month of last year, and 35·04 the monthly average. The city was thus healthier than usual. Omitting the Fort and Galle Face ward and the Pettah ward, the lowest death-rate was in Kollupitiya (19·45, average 21·67), and the highest in Slave Island (29·60, average 28·42).

Infantile Mortality.

6. The infantile mortality of the 31 towns was equal to a rate of 271 per 1,000 births registered, against 277 in the previous month, 294 in the corresponding month of last year, and 254 the monthly average. In the towns having an estimated population of 5,000 or more, the infant mortality ranged from 448 in Batticaloa (average 343) to 103 in Trincomalee (average 269).

7. The infantile mortality in the city of Colombo was 364 per 1,000 births registered, against 323 in the previous month, 430 in the corresponding month of last year, and 329 the monthly average, and ranged from 562 in Slave Island (average 357) to 384 in San Sebastian (average 323) and 125 in Pettah (average 440).

Causes of Death.

8. **Infants.**—Out of the 1,479 deaths from all causes at all ages in the 31 towns, 296 were among infants under one year. Of these, the chief causes were 95 *Convulsions* (38 in Colombo, 12 in Galle, 7 in Matara, 6 in Kandy); 42 *Debility* (15 in Colombo, 7 in Batticaloa); 32 *Pneumonia* (20 in Colombo, 3 each in Moratuwa and Kandy).

9. Out of the 548 deaths from all causes at all ages in the city of Colombo, 134 were among infants under one year. Of these, the chief causes were 38 *Convulsions* (10 in Maradana exclusive of hospitals, 7 each in New Bazaar and Slave Island, 6 in Kotahena, 5 in Kollupitiya); 20 *Pneumonia* (6 in Kotahena, 4 in Slave Island); 17 *Tetanus* (5 each in Kotahena and New Bazaar); 15 *Bronchitis* (4 in New Bazaar, 3 each in San Sebastian and Kotahena).

10. **General Mortality (One Year and over).**—Out of the 1,183 deaths of persons one year and over in age, there were 166 from *Pneumonia* (of which 62 in Colombo, 12 in Kandy, 11 in Batticaloa); 140 from *Diarrhoea*; 134 from *Phthisis* (of which 89 in Colombo, 9 in Galle); 127 from *Dysentery*; 39 from *Enteric Fever* (of which 23 in Colombo, 4 in Moratuwa).

11. The highest mortality in the town of Colombo was from *Phthisis* (16 per cent. of all deaths), followed by *Pneumonia* (11 per cent.) and *Enteric Fever* (4 per cent.). The majority of the deaths were in Maradana hospitals: 28 *Phthisis*, 17 *Pneumonia*, and 10 *Enteric Fever*. Maradana exclusive of hospitals contributed more deaths from these causes than the other wards: 19 *Phthisis*, 9 *Pneumonia*, and 3 *Enteric Fever*.

12. Taking all the towns together, *Diarrhoea* and *Dysentery* contributed the highest mortality (20 per cent.), followed by *Bronchitis* and *Pneumonia* (16 per cent.), *Phthisis* (9 per cent.), and *Infantile Convulsions* (8 per cent.).

13. 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, August 12, 1909.

P. ARUNACHALAM,
Registrar-General.

Table I.—Number of Births and Deaths registered during July, 1909, their Proportion per 1,000 of the Population per Annum, 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, 1909, and the Mean Temperature and Rainfall in the month in each Town of the Island proclaimed under Sections 31-36 of Ord. No. 1 of 1895.

Towns.	Population (inclusive of the Military) at the Census of 1901.	Population estimated to the Middle of 1909 by Inter-censal Increase.	Total Births.		Total Deaths.		Deaths in Hospitals and Jails of Non-residents.		Birth-rate.		Death-rate.			Deaths of Children under One Year.	Deaths of Children under One Year to 1,000 Births.	Mean Temp. per-ature.†	Rainfall in Inches.‡	
			Males.	Females.	Males.	Females.	Males.	Females.	July, 1909.	July, 1909.	Corrected.*							
											July, 1907, to June, 1909.	July, 1909.						
All 31 Towns	423,109	484,240	583	508	1,091	841	688	1,479	317	1,162	30.37	26.52	28.25	32.29	29.85§	296	254	271
Western Province.																		
Colombo	155,809	183,872	188	180	368	331	217	548	94	454	25.18	23.56	29.07	35.04	32.35	134	329	364
Negombo	19,819	20,589	26	25	51	30	22	52	11	41	44.23	29.16	23.44	28.49	23.90	10	166	196
Moratuwa	29,900	34,809	52	31	83	25	38	63	—	63	33.11	28.07	21.30	21.41	20.11	17	173	205
Kalutara	11,600	12,058	14	18	32	16	18	34	6	28	34.18	31.24	27.34	30.46	26.64	10	157	313
Panadura	3,845	4,338	5	6	11	15	12	27	13	14	36.60	29.86	38.00	28.45	40.36	2	195	182
Central Province.																		
Kandy	26,511	29,860	32	25	57	52	45	97	28	69	30.44	22.47	27.20	30.12	28.53	19	213	333
Gampola	3,791	4,732	10	4	14	10	11	21	6	15	35.59	34.83	37.32	51.47	39.47	3	272	214
Nawalapitiya	3,454	4,131	5	6	11	11	9	20	15	5	25.22	31.35	14.25	23.49	16.99	2	295	182
Hatton and Dikoya	2,858	3,840	3	1	4	—	1	1	—	1	16.28	12.26	3.07	10.64	—	—	522	000
Matale	4,951	5,682	11	6	17	20	19	39	16	23	30.83	35.22	47.66	44.57	54.31	6	241	353
Nuwara Eliya	5,072	8,609	8	8	16	11	5	16	5	11	15.16	22.13	15.22	14.32	19.93	3	313	188
Northern Province.																		
Jaffna	33,879	36,493	82	59	141	36	28	64	3	61	42.38	46.77	20.33	33.09	21.32	18	246	128
Mannar	3,338	3,338	8	3	11	7	4	11	1	10	39.47	38.80	35.27	36.15	40.26	3	186	273
Mullaitivu	1,308	1,418	4	2	6	3	1	4	—	4	31.67	49.81	33.21	52.29	36.35	—	209	000
Yavuniya	566	599	—	—	—	7	1	8	—	5	21.85	00.00	98.32	82.57	118.24	—	368	000
Southern Province.																		
Galle	37,165	40,433	46	42	88	62	50	102	4	98	30.19	25.62	28.54	28.33	27.89	19	204	216
Matara	11,848	13,445	22	19	41	18	11	29	6	23	39.01	35.90	20.14	24.89	19.50	9	174	220
Weligama	7,430	10,303	8	5	13	7	9	16	—	16	33.05	14.85	18.28	16.96	—	4	128	308
Hambantota	2,843	3,087	2	3	5	10	2	12	1	11	35.54	19.07	41.96	30.98	43.93	5	294	1000
Tangalla	2,333	2,672	1	2	3	4	4	8	1	7	34.58	13.21	30.84	44.93	32.58	2	247	—
Eastern Province.																		
Batticaloa	9,969	10,498	9	20	29	39	32	71	1	70	32.42	32.52	78.50	36.16	80.95	13	343	448
Trincomalee	11,887	11,295	14	15	29	10	9	19	—	19	28.13	30.23	19.80	34.57	22.96	3	269	103
North-Western Province.																		
Kurunegala	6,483	8,312	7	4	11	28	15	43	23	20	28.85	15.58	28.32	64.54	33.37	2	415	182
Puttalam	5,115	5,234	4	6	10	15	14	29	3	26	36.65	22.49	58.49	41.70	59.88	3	276	300
Kalpiya	1,487	1,652	2	1	3	—	3	2	—	2	23.48	21.37	14.25	29.70	—	—	383	000
Chilaw	4,168	4,564	1	3	4	6	5	11	—	11	36.04	10.32	28.37	31.47	28.91	1	163	—
North-Central Province.																		
Anuradhapura	3,672	5,045	7	2	9	23	11	34	7	27	25.28	21.00	63.01	59.82	72.62	3	405	333
Province of Uva.																		
Badulla	5,924	6,797	8	5	13	18	11	29	15	14	30.09	22.51	24.25	27.38	24.80	3	239	231
Lunugala	—	4,167	—	2	2	8	12	20	17	3	45.21	56.60	84.90	—	—	2	179	—
Province of Sabaragamuwa.																		
Retnapura	4,084	4,615	4	4	8	22	10	32	24	8	31.60	20.41	20.41	38.29	21.12	—	238	000
Kegalla	2,340	2,604	—	1	1	7	10	17	14	3	27.77	4.52	13.50	23.48	14.13	—	208	000

* I.e., rate calculated on the basis that the age- and sex-constitution of the population of each town is the same as for the whole island, and also (as in crude rate) excluding non-residents. † Infantile death-rates omitted where number of births is less than five. ‡ Blank indicates that there are no observatories or rain-gauges. § Corrected death-rates for "Hatton and Dikoya," Weligama, Kalpiya, and Lunugala towns not available, as they were created registration districts after the Census of 1901, viz. in January, 1905, July, 1908, July, 1904, and October, 1907, respectively. ¶ Population of Mannar and Trincomalee towns not having been separately enumerated at the Census of 1901, no estimate can be made of the rate of growth, 1891-1900 or 1901-1909. †† The population estimated for 1909 is the Census population of 1901 less (in the case of Trincomalee) the Military who are no longer stationed there. ††† The population of Lunugala town (as now constituted) was not enumerated at the Census of 1901; the estimate is of the population at the beginning of October, 1907.

Table II.—Causes of Deaths registered during July, 1909, in each Town of the Island proclaimed under Sections 31-36 of Ordinance No. 1 of 1895.

Causes of Deaths.	Western Province.				Central Province.				Northern Province.			Southern Province.				Eastern Province.			North-Western Province.			North-Central Province.		Provinces of Uva.		Province of Sabaragamuwa.		Deaths among all Races.																					
	Colombo.		Negombo.	Moratuwa.	Kalutara.	Panadura.	Kandy.	Gampola.	Navalapitiya.	Hatton and Dikoya.	Matala.	Nuwara Eliya.	Jaffna.	Mannar.	Mullaitivu.	Vavuniya.	Galle.	Matara.	Weligama.	Hambantota.	Tangalle.	Batticaloa.	Trincomalee.	Kurunegala.	Puttalam.	Kalpitiya.	Chilaw.	Anuradhapura.	Badulla.	Lunugala.	Katnapura.	Kegalla.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.										
	All 31 Towns.	548*	10	17	10	27	872	21	20	139	16	16	11	4	8	22	16	12	8	12	8	8	71	19	432	211	34	29	20	32	17	3	48	686	520	190	18	14											
	1,479	184	17	10	2	27	872	21	20	139	16	16	11	4	8	22	16	12	8	12	8	8	71	19	432	211	34	29	20	32	17	3	48	686	520	190	18	14											
I.—Infantile Mortality																																																	
A.—One Week and under.																																																	
1. Prematurity	1					1	1	1				3				1	1				5			1																									
2. Debility	6	3				3	1			1			1				4																	6	5	1													
3. Convulsions	5			1		1																		3		1							2	7	7														
4. Diarrhoea	13					1																											9	8	6														
5. Tetanus	1											1																					1	9	3	3													
6. Bronchitis	1																																1	1															
7. Pneumonia	1																																																
8. Other causes	51					1					1					1																		4	1														
B.—Over 1 Week and under 1 Year.																																																	
1. Prematurity	26	9										2																																					
2. Debility	72	33								3		1																																					
3. Convulsions	22	9								1		1																																					
4. Diarrhoea	6	4										2																																					
5. Tetanus	32	20										3																																					
6. Bronchitis	22	14										3																																					
7. Pneumonia	43†	17										5																																					
8. Other causes	1,183	414	42	46	25	78	18	18	133	13	46	8	4	8	83	20	12	7	6	58	16	41	26	210	31	26	18	32	17	3	85	525	453	141	15														
II.—General Mortality (1 Year and over)																																																	
1. Smallpox																																																	
2. Chickenpox																																																	
3. Measles																																																	
4. Influenza																																																	
5. Simple Fever	18					2	1		2		4															9																							

* Includes 6 deaths of town residents, which occurred in the Infectious Diseases Hospital, Kanatta, vide Table IV. footnote (*).

† Two from Atelectasis (1 in Colombo and 1 in Galle), and 1 each from Peritonitis (in Kandy), Asphyxia (in Nuwara Eliya) and Stenosis of the Pylorus (in Colombo).

‡ This contains besides the 17 deaths described in Table IV. footnote (†), 8 deaths from Dysentery (3 in Batticaloa), 2 from Enteritis (1 in Kalutara, 1 in Kandy), 1 each from Peritonitis (in Moratuwa), Influenza (in Panadura) Congenital Syphilis and Starvation (in Kandy).

Table III.—Number of Births and Deaths registered during the Month of July, 1909, and their Proportion per 1,000 of the Population, 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 January, 1908, to June, 1909, in each Ward of the Colombo Municipality.

Wards.	Population (inclusive of the Military) at the Census of 1901.	Population estimated to the middle of 1909 by Inter-censal Increase.	Total Births registered.		Total Deaths including Deaths in Hospitals and Jails.		Deaths registered in Hospitals and Jails* of Non-residents, and Non-residents.	Total Deaths excluding Deaths (if any) of Estates, Coolies and Non-residents.	Per Mille per Annum.				Deaths of Children under One Year.	Deaths of Children under One Year of Age to 1,000 Births registered.		
			Males.	Females.	Persons.	Males.			Females.	Persons.	Crude Death-rate.				Corrected Death-rate †	
											Birth-rate.					Average January, 1908 to June, 1909.
			Average January, 1908 to June, 1909.	July, 1909.	Average January, 1908 to June, 1909.	July, 1909.			Average January, 1908 to June, 1909.	July, 1909.	Average January, 1908 to June, 1909.	July, 1909.				
Colombo Town	155,869	188,872	188	180	368	331	317	548	155	454	25.37	23.56	32.35	134	341	364
Fort and Galle Face	2,285	2,285 †	—	—	—	2	—	2	1	1	5.26	—	—	1	185	—
Pettah	7,561	7,561 †	5	3	8	10	5	15	—	15	5.90	12.45	—	1	440	125
San Sebastian	9,349	10,709	7	6	13	13	7	20	—	20	21.94	14.29	—	5	323	384
St. Paul's	20,260	24,285	13	15	28	33	15	48	—	48	18.31	13.59	—	15	400	536
Kotahena	33,355	38,686	30	37	67	51	39	90	2	90	22.10	20.40	—	36	355	537
New Bazaar	17,470	20,404	23	22	45	24	26	50	1	50	23.13	25.96	—	20	420	444
Maradana Hospitals	30,381	37,549	37	38	75	106	44	150	150	57	—	—	—	7	—	—
Maradana (exclusive of Hospitals)	30,381	37,549	39	31	70	37	46	83	1	83	22.61	21.95	—	18	400	257
Slave Island	16,927	20,286	16	16	32	29	22	51	—	51	25.30	18.57	—	18	357	562
Kollupitiya	18,261	23,610	18	12	30	26	13	39	—	39	15.72	14.96	—	13	314	433

* Includes six deaths of town residents, one of which occurred in the Infectious Diseases Hospital and the other five in the Enteric Hospital, both at Kanatta, registered by an extra urban Registrar.

† For explanation of "corrected death-rate," see note * Table I. The population of the several wards of the town not being available by age- and sex-constitution, their corrected death-rates cannot be calculated.

‡ The population of these two wards being a fluctuating one, their estimated population cannot be calculated. Hence the Census figures are retained.

Table IV.—Causes of Deaths registered during the Month of July, 1909, in each Ward and Race of the Colombo Municipality.

Causes of Deaths.	Colombo Town.	Ward.										Deaths among all Races.						
		Port and Galle Face.	Pettah.	San Sebastian.	St. Paul's.	Kotahena.	New Bazaar.	Maradana Hospitals.	Maradana (exclusive of Hospitals).	Slave Island.	Kollupitiya.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.
All Causes	548*	2	15	20	48	90	50	150	88	51	39	3	34	281	183	97	11	9
I.—Infantile Mortality	184	1	1	5	15	36	20	7	18	18	13	—	10	78	18	30	1	2
A.—One Week and under.																		
1. Prematurity	1	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—
2. Debility	6	—	—	3	—	—	—	—	—	1	—	—	—	1	—	—	—	—
3. Convulsions	5	—	—	1	—	—	—	—	3	—	—	—	—	2	—	—	—	—
4. Diarrhoea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Tetanus	13	—	—	—	—	5	3	1	—	—	2	—	—	7	—	—	—	—
6. Bronchitis	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—
7. Pneumonia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Other Causes	2†	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—
B.—Over 1 Week and under 1 Year.																		
1. Prematurity	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Debility	9	—	—	1	—	—	—	2	—	—	—	—	—	5	—	—	—	—
3. Convulsions	33	—	—	—	2	6	7	—	7	6	5	—	5	15	—	2	—	—
4. Diarrhoea	9	—	—	—	1	4	—	—	—	1	—	—	1	5	—	10	—	2
5. Tetanus	4	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—
6. Bronchitis	14	—	—	—	1	—	2	—	—	1	—	—	—	1	—	—	—	—
7. Pneumonia	20	—	—	3	2	6	4	3	—	2	—	—	—	8	—	—	—	—
8. Other Causes	17†	—	—	—	2	8	2	—	—	4	—	—	2	15	—	3	—	—
II.—General Mortality (1 Year and over)	414	1	14	15	33	54	30	143	65	33	26	3	24	188	115	67	10	7
1. Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Chickenpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Influenza	1	—	—	—	—	1	—	—	—	1	—	—	—	—	—	—	—	—

* Includes six deaths of town residents, one of which occurred in the Infectious Diseases Hospital (from Acute Diarrhoea of a Tamil removed from the General Hospital), and the other five in the Enteric Hospital, both at Kanatta (from Enteric Fever of 4 Sinhalese, 2 from Kotahena, and 1 each from Maradana and Fort, and 1 Tamil from New Bazaar Ward).
 † Two deaths from Atelectasis and Stenosis of the Pylorus (of a Sinhalese and Tamil from Kotahena).
 ‡ Three each from Dysentery (2 in St. Paul's and 1 in Kotahena), Malnutrition or Starvation (in Kotahena), and Enteritis (in Maradana exclusive of hospitals), and worms (2 in Slave Island and 1 in Kotahena), and 1 each from Ezema, Influenza, Peritonitis (in Kotahena), and Congestion of Lungs and Gastritis (in Kollupitiya).

Table IV.—Causes of Deaths registered during the Month of July, 1909, in each Ward and Race of the Colombo Municipality—*contd.*

Causes of Death.	Colombo Town.	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.	Europeans.	Burghers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.	
II.—General Mortality (1 Year and over)—<i>contd.</i>																			
5. Simple Fever ..	23	1	1			3	2	10	3	1	1				4	12	5		
6. Enteric Fever ..	6				1	2		2	1							2	3		
7. Remittent Fever ..	1				1											1			
8. Ague ..																			
9. Malarial Cachexia ..	23				1	3		4	2	5	3					8	7		
10. Cholera ..	41		2		3	2	3	28	1	5	2				4	16	7		
11. Diarrhoea ..	20				3	1		18	1	1	2				9	16	4		
12. Dysentery ..	1				7	7	9	28	1	19	4				2	9	9		
13. Dochninus Duodenalis ..	89			4											5	35	24		
14. Cancer ..	2														1	2			
15. Phthisis ..	1															1			
16. Other Tubercular Diseases ..	1															1			
17. Anæmia ..	2															1			
18. Diabetes Mellitus ..	1															1			
19. Convulsions ..	10															6			
20. Tetanus ..	7															5			
21. Bronchitis ..	62		6		1	2	1	17	2	9	1				4	28	19		
22. Pneumonia ..	8				2	1	2	4							1	2	4		
23. Other Diseases of Respiratory System ..	8														1	2			
24. Bright's Disease and Nephritis ..	3															1			
25. Puerperal Convulsions ..																			
26. Puerperal Fever ..																			
27. Miscarriage ..																			
28. Other and undefined Accidents of Child-birth ..	2							1								2			
29. Starvation ..	1															1			
30. Accidents or Negligence ..	6		1					5								3			
31. Homicide ..								2								1			
32. Suicide ..																			
33. Execution ..																			
34. All other Causes ..	99*	3	6	8	20	5	23	19	8	7	1	6	51	21	14	3	3		

* Here are included 15 deaths from Debility, 14 from Worms, 1 from Enteritis, 11 from Old Age, and 5 from Apoplexy.