

SUPPLEMENT
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PART I.

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**VITAL STATISTICS OF TOWNS IN CEYLON IN THE
MONTH OF SEPTEMBER, 1920.**

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 1,579 (804 males and 775 females), and was equivalent to an annual rate of 28·98 per 1,000, against 25·54 in the preceding month, 23·02 in the corresponding month of last year, and 26·00 the average for the corresponding months since 1910. The rate ranged from 10·83 in Vavuniya to 66·16 in Mullaittivu.

3. In the city of Colombo the births registered numbered 667 (349 males and 318 females), and were equivalent to an annual rate of 27·56 per 1,000, against 21·23 in the preceding month, 18·73 in the corresponding month of last year, and 21·59 the average for the corresponding months since 1910. The rate ranged from 13·04 in Kollupitiya to 38·52 in Wellawatta.

Deaths.

4. The total deaths registered during the month numbered 1,575 (857 males and 718 females). There were 1,227 deaths of residents in towns, equivalent to an annual rate of 24·55 per 1,000, against 27·34 in the preceding month, 22·61 in the corresponding month of last year, and 27·60 the average for the month of September in each year since 1910. The rate ranged from 88·24 in Vavuniya to 5·51 in Nuwara Eliya.

5. In the city of Colombo the deaths numbered 537 (292 males and 245 females). There were 458 deaths of residents, equivalent to an annual rate of 21·95 per 1,000, against 27·92 in the preceding month, 22·67 in the corresponding month of last year, and 26·86 the average for the month of September in each year since 1910. The rate ranged from 22·20 in Wellawatta to 7·25 in Kollupitiya.

6. The stillbirths registered numbered 94 (57 males and 37 females), as against 99 in the preceding month.

Infant Mortality.

7. The mortality of infants under one year of age was equal to a rate of 178 per 1,000 births registered during the twelve months ended September 30, 1920. Reckoned on the births registered during the month only the rate was 165, against 234 in the preceding month, 213 in the corresponding month of last year, and 240 the average for the corresponding months since 1910.

8. In the city of Colombo the mortality of infants was equal to a rate of 168 per 1,000 births registered during the twelve months ended September 30, 1920. Reckoned on the births registered during the month only the rate was 138, against 309 in the preceding month, 227 in the corresponding month of last year, and 255 the average for the corresponding months since 1910.

Causes of Death.

9. The highest mortality was from *Pneumonia*, to which 11 per cent. of the total deaths was due, 8 per cent. was due to *Debility*, 7 per cent. to *Convulsions*, 6 per cent. each to *Phthisis*, *Diarrhœa*, and *Enteritis*, 5 per cent. to *Dysentery*, 4 per cent. each to *Anchylostomiasis* and *Bright's Disease and Nephritis*, 3 per cent. each to *Enteric Fever* and *Malaria* and *Malarial Cachexia*, 2 per cent. each to *Influenza* and *Plague*, and 1 per cent. each to *Bronchitis*, *Prematurity*, and *Puerperal Septicæmia*.

10. In Colombo *Phthisis* and *Convulsions* each caused 10 per cent. of the deaths, 8 per cent. was due to *Pneumonia*, 6 per cent. each to *Debility* and *Enteric Fever*, 5 per cent. to *Enteritis*, 4 per cent. each to *Dysentery* and *Bright's Disease and Nephritis*, 3 per cent. each to *Diarrhœa* and *Plague*, 2 per cent. each to *Influenza* and *Anchylostomiasis*, and 1 per cent. each to *Bronchitis* and *Cancer*.

11. Twenty-six deaths from *Plague* were registered (15 in Colombo and 11 in Kandy), as against 36 in the preceding month and 5 in the corresponding month of last year. 5 deaths from *Smallpox* were registered in Colombo.

12. *Infectious Diseases reported.*—The infectious disease most prevalent during the month was *Enteric Fever*, of which 122 cases were reported (84 in Colombo, 14 in Galle). *Phthisis* followed with 111 cases (98 in Colombo), *Chickenpox* 103 (49 in Colombo, 20 in Kandy, 5 each in Negombo, Jaffna, and Batticaloa), *Measles* 67 (21 in Colombo, 10 in Galle, 6 each in Negombo, Tangalla, and Ratnapura), *Plague* 36 (18 in Colombo, 17 in Kandy, and 1 in Gampola), *Smallpox* 35 (34 in Colombo and 1 in Negombo), *Continued Fever* 32 (20 in Colombo, 7 in Moratuwa), *Dysentery* 6 (4 in Panadura), *Mumps* 5 (in Colombo), and *Acute Diarrhœa* 1 (in Batticaloa).

Meteorology.

13. *Rainfall.*—Nawalapitiya recorded the highest rainfall (31·00 inches), followed by Hatton (16·81 inches). In the other towns the rainfall ranged from 12·02 inches in Ratnapura to 0·04 of an inch in Kalpitiya. Colombo recorded 2·04 inches.

14. *Temperature.*—The mean temperature varied from 60·5° in Nuwara Eliya to 85·4° in Trincomalee, and was 80·8° 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, October 21, 1920.

F. BARTLETT,
Registrar-General.

Table I.—Number of Births and Deaths registered during September, 1920, their Proportion per 1,000 of the Population per Annum, and the Stillbirths and 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 1910, 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 1920 by the Inter-censal Increase.	Total Births.		Total Deaths.		Total Stillbirths.			Deaths of Town Residents.	Birth-rate.		Death-rate excluding non-residents.			Number registered during Sept., 1920.	Its proportion to 1000 births registered during the year ended the last day of Sept., 1920.	Its proportion to per annum to 1000 births registered during the year ended the last day of Sept., 1920.	Mean Temperature.	Rainfall in Inches.	
			Males.	Females.	Males.	Females.	Males.	Females.	Persons.		Septem-ber, 1920.	Average Birth-rate for Sept., 1910-1919.	Crude, Septem-ber, 1920.	Standardized, ^d Septem-ber, 1920.	Average Death-rate for Sept., 1910-1919.						
All Towns	517,877	684,677	804,775	1,579	857	718	1,575	57	37	94	1,227	28.98	26.00	22.52	24.55	27.60	261	165	178	80.8	2.04
<i>Western.</i>																					
Colombo	219,557	295,292	349,318	667	292	245	537	30	16	46	458	27.56	21.59	18.92	21.95	20.86	92	138	168	80.8	2.46
Negombo	13,045	27,387c	34,411	75	47	22	69	1	1	2	64	33.41	30.49	28.51	29.82	24.26	11	147	145	—	—
Moratuwa	27,256	31,374	53,601	113	52	54	106	2	2	4	104	43.94	39.03	40.44	44.60	34.72	32	283	302	—	—
Kalutara	13,005	14,563	23,103	33	17	21	38	1	1	2	31	27.65	27.35	25.97	25.80	23.18	3	91	87	—	—
Panadura	6,709	8,256	4,101	14	7	5	12	2	2	3	9	20.69	22.88	13.30	15.83	24.88	2	143	133	—	—
<i>Central.</i>																					
Kandy	30,149	33,616	43,241	67	44	36	80	4	3	7	59	24.32	25.03	21.41	23.31	30.87	10	149	115	76.1	4.23
Gampola	6,521	7,839	8,101	18	19	7	26	1	1	1	17	28.01	26.99	26.46	27.46	28.92	5	278	277	—	—
Nawalapitiya	3,767	4,097	9,716	16	9	7	16	1	1	1	5	47.64	34.85	16.89	16.18	24.95	1	63	113	—	—
Hatton and Dikoya.	3,025	3,206	3,206	5	18	11	29	1	1	1	7	19.03	22.81	26.64	31.11	19.43	1	200	112	—	—
Matale	5,792	8,200d	13,152	28	21	8	29	1	1	1	12	41.66	29.59	17.85	20.52	36.92	1	36	40	—	—
Nuwara Eliya	14,910	15,136e	9,514	14	3	7	10	1	1	1	6	11.28	15.12	4.84	5.51	10.37	3	214	154	60.5	7.03
<i>Southern.</i>																					
Galle	39,936	42,725	63,461	109	60	55	115	4	1	5	92	31.12	22.78	26.27	25.72	24.86	8	73	80	79.1	7.87
Ambalangoda	—	4,718	5,712	12	2	8	10	1	1	1	10	31.03	18.61	25.86	—	—	3	250	293	—	—
Mata	13,851	17,801d	18,131	31	26	13	39	2	2	2	27	21.24	32.25	18.50	18.12	23.00	6	194	160	—	—
Weligama	8,672	9,814	5,172	17	2	6	7	—	—	—	7	21.13	32.14	8.70	7.84	22.66	—	—	—	—	—
Hambantota	3,092	3,346	2,406	6	2	3	5	1	1	1	4	21.88	40.27	14.58	16.31	33.40	1	167	133	—	—
Tangalla	3,505	6,443d	5,813	13	5	7	12	1	1	1	10	24.62	38.65	18.93	19.35	26.20	1	77	75	81.2	0.93
<i>Northern.</i>																					
Jaffna	40,441	47,694	42,601	102	52	55	107	2	1	3	102	26.09	33.18	26.09	26.65	29.62	28	275	242	83.0	2.92
Mannar	3,777	4,243	8,613	13	3	8	11	—	—	—	7	37.38	37.73	20.13	22.16	32.90	2	154	167	83.1	0.22
Mullaithivu	1,392	1,475	6,208	8	6	—	6	—	—	—	5	66.16	42.57	41.35	54.81	28.71	3	375	871	—	—
Vavuniya	808	1,126	1,126	1	3	3	6	—	—	—	6	10.83	25.23	64.98	88.24	43.11	—	—	—	—	—
<i>Eastern.</i>																					
Batticaloa	10,671	11,367	21,163	37	21	16	37	2	1	3	35	39.71	42.94	37.57	37.05	37.85	10	270	269	84.0	2.21
Kalmunai	—	2,146	3,407	7	12	4	16	1	1	1	10	39.79	51.91	56.84	—	—	1	143	118	—	—
Trincomalee	8,840	11,449	13,213	34	13	9	22	4	1	5	22	36.23	31.60	23.44	25.73	34.27	8	235	333	85.4	2.82
<i>North-Western.</i>																					
Kurunegala	8,167	10,164	9,102	25	17	14	31	—	—	—	14	30.01	30.83	16.80	17.26	39.19	6	240	282	80.9	3.34
Puttalam	6,990	6,939	11,718	18	14	14	23	—	—	—	25	31.65	30.24	43.95	47.01	31.95	3	167	167	82.0	0.07
Kapitiya	1,691	1,703	4,408	8	4	1	5	—	—	—	5	57.32	23.61	35.82	—	—	2	250	349	—	—
Chilaw	5,033	6,393d	5,914	14	9	10	19	1	1	1	11	26.72	24.60	20.99	20.12	27.71	—	—	—	—	—
<i>North-Central.</i>																					
Anuradhapura	5,361	7,643	11,132	24	23	18	41	—	—	—	28	38.31	23.69	44.70	54.77	41.72	10	417	601	83.2	0.33
<i>Uva.</i>																					
Badulla	6,487	7,429d	9,121	21	17	18	35	1	1	2	20	34.49	33.84	32.84	36.24	28.73	3	143	140	75.2	1.24
Lunugala	515	643	1,401	1	20	20	40	—	—	—	1	18.98	42.03	18.98	—	—	—	—	—	—	—
<i>Sabaragamuwa.</i>																					
Ratnapura	5,476	7,713d	8,119	19	10	8	18	2	3	5	9	30.05	21.36	14.24	16.14	33.63	3	158	158	80.0	12.02
Kegalla	2,536	2,734	6,309	9	7	6	13	—	—	—	6	40.17	25.02	22.31	20.46	36.41	2	222	232	—	6.01

^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 Island.
^b Blank spaces indicate that there are no observations or rain gauges.
^c Includes population of the Negombo Local Board and registration area.
^d This increase of population is due partly to the extension of the town limits.
^e Estimated to the end of December, 1919, by natural increase method.
^f Standardized death-rates for Kapitiya and Lunugala towns are 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 a registration division only in January, 1914, and Ambalangoda in January, 1915. The death-rates given for "All Towns" are, therefore, independent of the towns, but are scarcely affected by their rates.

Table II.—Causes of Deaths registered during September, 1920, in each Town or the Island proclaimed under Sections 31-36 of the Ordinance No. 1 of 1895.

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.	Nawalapitiya.	Hatton & Dikoya.	Katola.	Novara Eliya.	Galle.	Ambalangoda.	Natara.	Wellisama.	Hambantota.	Tangalla.	Jaffna.	Mannar.	Mullaitivu.	Vavuniya.	Batticaloa.	Kalmudal.	Trincomalee.	Kurunegala.	Puttalam.	Kapitiya.	Chilaw.	Auradapura.	Baduwa.	Lunugala.	Bahapura.	Kegalla.	Europeans.	Burgers.	Sinhalese.	Tamils.	Moors.	Malays.	Others.									
All Causes	537	69	106	38	12	80	16	29	10	115	10	39	7	5	12	107	11	6	6	37	16	22	8	1	28	2	3	5	19	41	35	40	18	13	2	34	808	496	188	29	26								
I.—Infantile Mortality	92	11	32	3	2	10	5	1	1	8	8	3	6	1	1	1	28	2	3	10	1	8	1	6	3	2		10	3	8	2	7	121	88	39	8	3												
A.—One Week and under.	17	2	2				1	1								2										1	7								5	9	3												
1. Prematurity ..	40	13	5			2	3			3	2					2	1	2	3									1						1	20	15	3	1											
2. Debility ..	31	16		1				1	3			1	3						1	4													1	12	7	10													
3. Convulsions ..																																																	
4. Diarrhoea ..																																																	
4a. Enteritis ..																																																	
5. Tetanus ..																																																	
6. Bronchitis ..																																																	
7. Pneumonia ..																																																	
8. Other Causes.	1*																																																
B.—One Week and under																																																	
1. Prematurity ..	33	14	2																																														
2. Debility ..	62	25	2			3	1			2	2								2	1	3																												
3. Convulsions ..	12	6				2	1			1	2								1	2	1	3																											
4. Diarrhoea ..	19	7																																															
4a. Enteritis ..	6																																																
5. Tetanus ..	7																																																
6. Bronchitis ..	13	3																																															
7. Pneumonia ..	17†																																																
8. Other Causes.																																																	
II.—General Mortality (1-Year and over)	1,314	445	58	74	10	70	21	15	28	28	710	738	7	4	11	79	9	8	6	27	15	14	25	25	319		31	32	40	15	11	2	27	682	413	149	21	20											
1. Plague ..	26	15																																															
2. Smallpox ..	5																																																
3. Chickenpox ..																																																	
4. Measles ..																																																	

* This is due to 1 death from Atelectasis (in Colombo).

† This includes, besides 5 cases mentioned in Table IV., footnote 1, 4 deaths, 1 from Influenza and 3 from Stomatitis (in Moratuwa), 1 from Colic (in Panadura), 1 from Syphilis (in Galle), 2 from Worms (1 each in Galle and Jaffna), 1 from Jaundice (in Ambalangoda), 2 (1 each from Erysipelas and Dysentery (in Jaffna), and 1 from Malaria (in Puttalam).

Table III.—Number of Births and Deaths registered during the Month of September, 1920, 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, 1910 to 1919, in each Ward of the City of Colombo.

Wards	Population (inclusive of Military) at the Census of 1911.	Population Estimated to Middle of 1920 by Inter-censal Increase.	Total Births registered.			Stillbirths.			Total Deaths including Deaths in Hospitals and Falls.			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.*		Standard Lead Death-rate.†	Number registered during Sept., 1920.	Its proportion to 1000 births registered during Sept., 1920.	Its proportion per annum to 1000 births registered during the year ended last day of Sept., 1920.	
															Average for Sept., 1910 to 1919.	September 1920.					Average for Sept., 1910 to 1919.
City of Colombo ..	219,557	295,292	349	318	667	30	16	46	292	245	537	79	458	27.56	21.59	18.92	23.51	21.95	92	138	168
Fort and Galle Face	3,512 †	3,512 †	—	—	—	—	—	—	1	1	2	—	2	—	2.08	6.95	5.23	—	1	—	—
Pettah ..	7,974	7,974 †	—	—	—	—	—	—	9	—	9	—	9	—	4.44	13.77	9.42	—	—	—	—
San Sebastian ..	11,546	14,075	12	12	24	—	—	—	11	6	17	—	17	20.80	14.79	14.74	19.34	—	6	250	345
St. Paul's ..	24,735	29,799	21	18	39	2	1	3	13	14	27	—	27	15.97	13.38	11.05	19.44	—	7	179	200
Kotabena ..	40,771	49,143	60	60	120	6	3	9	34	39	73	—	73	29.79	19.76	18.12	19.97	—	19	158	190
New Bazaar ..	22,309	28,040	25	13	38	2	1	3	19	18	37	—	37	16.53	21.39	16.10	22.71	—	9	237	211
Maradana Hospitals	48,083	73,894	78	74	152	9	4	13	113	78	191	67	124	—	—	—	—	—	10	—	—
Maradana (exclusive of Hospitals) ..			74	71	145	6	2	8	39	39	39	78	6	72	23.94	17.79	11.89	18.53	—	17	117
Slave Island ..	21,984	28,092	24	21	45	2	1	3	19	19	38	—	38	19.55	21.61	16.51	19.98	—	10	222	209
Kollupitiya ..	25,410	42,092	22	23	45	2	2	4	14	16	30	5	25	13.04	13.05	7.25	12.25	—	4	89	132
Wellawatta ..	13,223	18,685	33	26	59	1	2	3	20	15	35	1	34	38.52	26.13§	22.20	30.40§	—	9	153	181

* The city-rate is worked differently from the ward-rates, and takes into account events in hospitals, &c., not assignable to wards.
 † For explanation of "standardized death-rate" see note a, 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.
 ‡ The population of these two wards being a fluctuating one, their population cannot be estimated to the middle of 1920. Hence the Census figures are retained.
 § Average for the months of September, 1912-1919.

