

## **Report of the Health Officer, Corporation of Madras Health Department.**

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CORPORATION OF MADRAS

# ANNUAL REPORT

OF

## THE HEALTH DEPARTMENT

FOR

### 1941

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PRINTED AT  
THE MODEL PRESS, MADRAS

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THE HEALTH DEPARTMENT

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## SUMMARY OF VITAL STATISTICS FOR 1941

Area	...	...	29,396 sq. miles.
Population (Census 1941)	...	...	7,77,481
Population (estimated to the middle of the year 1941)	...	...	7,81,823
Average density per acre	...	...	41.6
Births	...	...	32,770
Birth-rate	...	...	41.91 per 1,000 of estimated population
Birth-rate (average for the previous 5 years, 1936-40)	...	...	41.80 do.
Still-births	...	...	1,237
Deaths	...	...	27,710
Death-rate	...	...	35.44 per 1,000 of estimated population
Death-rate (average for the previous 5 years, 1936-40)	...	...	35.12 do.
Natural increase	...	...	5,060
Infantile deaths	...	...	6,847
Infantile mortality rate	...	...	208.94 per 1,000 of live-births
Infantile mortality rate (average for the previous 5 years, 1936-40)	...	...	221.34 do.
Maternal mortality	...	...	285
Maternal mortality rate	...	...	8.69 per 1,000 of live-births
Maternal mortality rate (average for the previous 5 years, 1936-40)	...	...	8.84 do.

## DEATHS FROM PRINCIPAL DISEASES

Diseases	Number of deaths	Rate per 1,000 of estimated population
Diarrhoea and dysentery	3,838	4.910
Small-pox	5	0.006
Malaria	30	0.040
Enteric fever	206	0.260
Tuberculosis	572	0.730
Respiratory diseases	6,523	8.340

## INTRODUCTION

Commissioner,

Sir,

*Population* :—The decennial census enumeration which took place early in the year revealed the highest increase in the population so far recorded. For the first time in the annals of the city a substantial addition (47,367) to the population was recorded during the decade by natural growth, *i.e.*, excess of births over deaths. The statement on page 1 is evidence of the relentless work of the public health services of the city in reducing mortality under all major heads during a decade.

The mid-year population of the city was 7,81,823.

*Births* :—There were 32,770 births as against 33,238 in the previous year, giving a birth-rate of 41·91. The excess of births over deaths was 5,060 which was the natural increase for the year.

*Deaths* :—The total of 27,710 deaths shows an increase of 1,585 deaths with a death-rate of 35·44 as against 33·98 in the previous year and includes 1,954 deaths of non-residents. In the absence of any system of transference of deaths no attempt has been made to correct the death-rate. The infantile mortality rate was 208·94 as against 205·7 in the previous year which was the lowest on record. The average quinquennial rate was 221·34.

*Epidemics* :—The year under report was completely free from epidemics. There was no death from cholera as in the previous year. Indeed the city has been practically free from this terrible disease for the last 4 years and 9 months (*vide* statement on page 7). Imported infection does occasionally take place but it is always nipped in the bud. The city can be considered to be fairly safe from cholera and the disease regarded as having been effectively prevented.

There were only 5 deaths from small-pox during the year under report as against 31 deaths during the previous year. There were 12 imported cases of which 2 died. 1,92,483 vaccinations were performed in 1941 as against 1,92,278 in 1940. 38,032 houses were inspected. Unprotected persons were vaccinated. That the population of Madras had acquired a high degree of immunity against small-pox was clearly demonstrated by the fact that of those who came in contact with the large number of virulent cases of small-pox which arrived in the city from Burma as evacuees none developed the disease.

Despite the fact that during the last 4 years over a million vaccinations have been performed, the steady migration of people from the mofussil, especially from rural areas, accounts for the existence of unprotected persons in the city. There has been a great reduction in the incidence of small-pox in



the urban areas of the province but it should not be forgotten that there are large areas in the rural parts of the country where periodical re-vaccinations are meagre.

The decline in the mortality from malaria noted last year has been kept up. Only 30 persons died of malaria as against 29 in the previous year. 206 persons died of typhoid, of which 43 were amongst cases brought for treatment to the city hospitals from St. Thomas Mount, Saidapet, Sembiam and other adjoining parts of the city. Every case of typhoid notified was registered and preventive measures were taken immediately. 17,798 persons were given anti-typhoid inoculations. There was better notification during the year. Control of typhoid in large cities under existing conditions has been recognised to be a very difficult problem chiefly on account of the difficulty of controlling the carriers of the disease. 163 deaths for a population of nearly 8 lakhs cannot be regarded as anything abnormal especially when compared with the incidence in other large cities of India. Extension of underground drainage to every nook and corner of the city and complete replacement of the dry latrines by flush-out latrines will bring about an appreciable reduction in mortality from this disease.

The most outstanding feature of the vital statistics of the year was the reduction in the mortality under tuberculosis. 572 deaths occurred under this head as against 1,064 in the previous year, the quinquennial average being 1,240. There was a reduction in the number of deaths under tuberculosis in 1940 by 336 and during the year under report there had been a further reduction of 492 deaths. The reduction of mortality from tuberculosis is an unflinching measure of improved general sanitation.

*Hospitals, dispensaries and clinics:*—The hospitals, dispensaries and clinics continued to function efficiently as in the previous year. 29 lakhs of cases were attended to. 9,317 injections were administered in the leprosy clinics. Increased attendance was seen at the venereal clinic where 2,852 injections were administered and 959 blood smears were examined. 1,230 specimens of blood were taken for serological examination. 942 patients were admitted for treatment at the infectious diseases hospitals. The bulk of the cases—412—was for chicken-pox.

The laundry attached to the Infectious Diseases Hospital at Tondiarpet was improved. Improvements were effected to 3 dispensary buildings. The wards of Raja Sir Ramaswami Mudaliar's Lying-in-hospital were provided with mosaic surface at a cost of Rs. 15,000. The construction of 3 more dispensaries was completed and the buildings were occupied during the year.

*Medical inspection of Corporation schools:*—The report on the medical inspection of schools relates as usual to the school year beginning from June 1941 and ending with May 1942. There was a fall in attendance in the schools from January 1942 onwards on account of war scare, which accounts for the reduction in the number of pupils examined by the Medical Inspectors.



But no school was left out without medical inspection and every child present at the schools during the visits of the Inspectors was examined in detail. In addition 218 re-visits were paid to the schools. 7,934 re-examinations were conducted. 670 children had their skin affection cured. Tonsilectomy was performed in 70 children. 184 pupils had their carious teeth extracted. 478 cases of stomatitis were cured. 419 early cases of leprosy were detected and treated. Special attention was directed towards improvement of the sanitation of the schools. 120 schools are now fitted with modern latrines. 53 schools are provided with bathing facilities. 6,450 school children were given mid-day meals at 99 schools.

*Food analysis*:—1,990 food samples were analysed by the Public Analyst as against 1,871 in 1940. This is the highest number dealt with during any year. There was a reduction in the percentage of adulterated samples. It was 24.3 as against 31 in the previous year. Ghee and butter improved considerably in quality. The quality of coffee powder and tea continued to be good as in the previous year. Hawkers of ghee continued to sell only adulterated stuff. The Public Analyst repeats his complaint against the inadequacy of fines imposed. Convictions during the year included several second and third offences. While greater efforts are being made to increase the number of samples, the quality of food-stuffs in the city will improve considerably if guilty vendors are awarded adequate punishment particularly in repeated offences.

*Conservancy*:—Conservancy was maintained throughout the year at a high degree of efficiency. Every street was cleaned at least twice daily. There was a remarkable reduction in syphon obstructions.

*Sanitation*:—The year under report witnessed a large number of permanent sanitary improvements. 5 ponds and 155 dirty wells were filled up. The programme for reclamation of low-lands was continued throughout the year as in the past. Low-lands in Perambore, Mylapore, Kakathope, Otteri and Vyasarpady were reclaimed. 45,829 ft. of sewers were laid as against 43,599 ft. of sewers in the previous year. 2,968 flush-out latrines were constructed in dwelling houses as against 3,049 in the previous year. 15 new public conveniences were constructed. 890 new houses came into existence. 24,894 houses were inspected and the sanitation of 4,001 houses was improved. Construction of 56 tenements in Narasingapuram was completed. Lodging houses in the city were improved and registered during the year. 805 cattle yards were improved. A new dhobikhana at Perambore was brought into use and another at Venkatatheri Naicken Street was completed and also brought into use. The drive to prevent the sale of noxious food in streets was maintained throughout the year. As an anti-rabic measure 13,814 dogs were destroyed.

Two sanitary works under progress during the year deserve special mention. They are the new crematorium at Nungambakkam—the best of



its kind in the province—and the pail depot at Korukkupet. The former has done away with an old nuisance and an old controversy while the latter will stop the trenching of night-soil in that developing area.

*Markets:*—The private and public markets received the greatest possible attention. Elaborate notices were served on all owners. There was bitter opposition at the beginning. The owners started an agitation both individually and collectively to thwart the efforts of the executive. A strenuous drive was immediately organised and was kept up vigorously until the owners realised their responsibility to the Corporation and to the public. All the essential requirements were insisted upon to enable the vendors to expose their articles under sanitary conditions, such as, the provision of impervious and unbroken surface for the stalls, efficient drains, pathways with unbroken and impervious surface, periodical lime-washing, clean latrines, washing and scrubbing of stalls, passages, planks and utensils at least twice daily, adequate water supply and lighting. Most of the owners took up the improvements towards the close of the year and have since completed them.

Extensive improvements were effected to the beef stalls in Moore Market and to the poultry shed. All old platforms were replaced by new masonry platforms with mosaic surface. The floorings and drains were redone. Repairs were also effected to Smithfield Market and other Corporation markets.

*Improvements to slums:*—Slums are the homes of poverty, squalor and disease. Every effort was made to keep them in a clean condition and to attend to the wants of slum dwellers. During the year under report two of the worst slums in the city, *viz.*, Kakathope and Parthasarathy Kuppam, were improved by the extension of sewers to the main streets and lanes. Additional water fountains were provided. The work of laying water mains and fixing electric posts was in progress. The construction of the new tenements in Angalamman Koil Street was also in progress.

In conclusion, I have to state that the year under report was particularly a strenuous one. The large volume of work noted in the following pages would not have been possible without the hard and loyal services of my assistants and staff.

C. S. GOVINDA PILLAI,

M.B. CH. B., L. R. C. P. & S., D. P. H. (Edin.),

*Health Officer.*



## FORWARDED TO THE COUNCIL.

The decennial census taken in 1941 disclosed a population of 7,77,481 against 6,47,230 in 1931. This striking increase of 1,30,251 or 20·1% must be attributed partly to migration of people into the city from outside and partly to the reduction in mortality compared with the previous decades. The year under report was completely free from epidemics. There was no death from cholera and imported infection was effectively controlled. There were only 5 deaths from small-pox against 31 in the previous year. That Madras City has acquired a high degree of immunity is evident from the fact that of the many people who came in contact with the large number of virulent cases of small-pox, which arrived from Burmah side, practically none developed the disease. During the last four years, over a million vaccinations including re-vaccinations have been made and if, in spite of it, unprotected persons are found in the city, it is due to migration of people from the mofussil, especially from the rural areas, to the city in search of employment. 30 persons died of malaria against 29 in the previous year. If lately mosquitoes are observed to be on the increase in certain areas in the city, it is due largely to stagnation in the Cooum as a result of certain military measures undertaken, conversion of certain drains into reservoirs for storing water, construction of a large number of static reservoirs and sumps for fire fighting purposes. The Health Department should take note of these special conditions and redouble their efforts to control the multiplication of mosquitoes. There is an increase in mortality from typhoid. The Health Officer explains that the large number of cases reported is due to better notification and admission of cases from neighbouring districts in the city hospitals. 17,798 persons were given anti-typhoid inoculations. Extension of underground drainage to every part of the city and the replacement of dry latrines by flush-out latrines will certainly help to reduce mortality. Definite progress is being made in providing flush-out latrines for the use of the public, but the progress in the extension of underground drainage is necessarily limited on account of war time conditions now prevailing and the difficulties experienced in securing necessary materials for the purpose. The outstanding feature of the year was the reduction in mortality under tuberculosis—572 deaths against 1,064 in the previous year—the quinquennial average being 1,240. 29 lakhs of cases of all ailments were attended to in the Corporation hospitals, dispensaries and clinics.

1,990 food samples were analysed by the Public Analyst as against 1,871 in 1940. This is the highest number dealt with during any year. There was reduction in the percentage of adulterated samples—24·3 against 31 in the previous year. The Health Officer repeats his complaint against inadequacy of fines imposed. There is no doubt that punishment would have more deterrent effect, if the fines



imposed in the cases of persons found guilty of repeated offences are made a little more stiff. Conservancy of the city throughout the year was satisfactory. A large number of permanent sanitary improvements was made during the year. 45,829 ft. of sewers were laid as against 43,599 ft. in the previous year. 2,968 flush-out latrines were constructed in dwelling houses and 15 new public conveniences were provided. The drive compelling private houseowners to provide flush-out latrines wherever necessary was relaxed during the year because of the difficulties noticed in securing materials. With the construction of 56 new tenements, Narasingapuram—an area, which was notoriously insanitary—has been vastly improved. As an anti-rabic measure, 13,814 dogs were destroyed. Two sanitary improvements deserve special mention, *viz.*, a modern crematorium in Nungambakkam and a new pail depot at Korukkupet now nearing completion. The latter when completed will help to abolish the two pail depots in Ice House Road and DeMellows Road. During the later part of the year, attention was drawn to the unsatisfactory conditions prevailing in certain markets of the city. A vigorous drive was launched to improve the markets and the action taken, mostly in the beginning of 1942, is reported in my Administration Report. As a result, many markets to-day are vastly better and there is no doubt that most markets would have been improved beyond recognition but for the difficulties experienced in securing necessary materials at reasonable rates. During the year under report, two very bad slums in the city, *viz.*, Kakathope and Parthasarathy Kuppam, were improved by the extension of sewers and the provision of additional water fountains, &c. The work here, as in many other directions, is handicapped because of high prices of certain materials and non-availability of certain other materials. Construction of a limited number of tenements for Corporation menials was in progress in Angalamman Koil Street.

The Health Department will have to pay a little more attention to the sale of unwholesome food in the streets and by hawkers and to the suppression of enteric. While not denying that there is room for improvement in some directions, a fair measure of progress is evident in many other directions.

O. PULLA REDDI,

*Commissioner.*

14-X-1942.



## VITAL STATISTICS

*Population*:—In the year 1941 the enumeration of the decennial census was conducted. According to this census the population of the city of Madras was 7,77,481 as against 6,47,230 in 1931. The population of the city enumerated decennially since 1871 is as follows:—

<i>Census.</i>	<i>Population.</i>	<i>Census.</i>	<i>Population.</i>
1871	3,97,552	1911	5,18,660
1881	4,05,848	1921	5,26,911
1891	4,52,518	1931	6,47,230
1901	5,09,346	1941	7,77,481

The following statement shows the absolute increase and percentage of increase decennially.

<i>Decennium.</i>	<i>Absolute decennial increase of population.</i>	<i>Percentage decennial increase of population.</i>
1871-1881	8,296	2·1
1881-1891	46,670	11·5
1891-1901	56,828	12·6
1901-1911	9,314	1·8
1911-1921	8,251	1·6
1921-1931	1,20,319	22·8
1931-1941	1,30,251	20·1

It will be seen from the above statement that an increase of 1,30,251 persons or 20·1 per cent has been recorded during the decennium 1931-1941. This increase has been chiefly due to the migration of people into the city from outside. The natural increase of the population for intercensal periods from 1871 is furnished below.

<i>Intercensal period</i>	<i>Births registered in each intercensal period.</i>	<i>Deaths registered in each intercensal period.</i>	<i>Increase or decrease.</i>
1871-1881	1,18,548	1,80,589	-62,041
1881-1891	1,60,830	1,61,196	-366
1891-1901	1,84,112	1,88,521	-4,409
1901-1911	1,96,864	2,24,334	-27,470
1911-1921	2,01,076	2,23,096	-22,020
1921-1931	2,29,432	2,27,745	+1,687
1931-1941	2,97,482	2,50,115	+47,367

Among 7,77,481 persons enumerated 4,07,502 or 52·4% were males and 3,69,979 or 47·6% females as against 52·7% and 47·3% respectively in the previous census. The ratio of males to 100 females was 110·1 as compared with 111·5 in 1931.

Details of the census enumeration relating to the population in the various municipal divisions according to age-periods, sexes and communities are not yet available.

The vital statistical rates given in the Statements are based on the census return of the population. Certain important rates worked out on the estimated mid-year population are also furnished. The mid-year population for 1941 has been estimated to be 7,81,823.

120 unregistered births and 130 unregistered deaths were detected by the staff and subsequently registered.

• *Births*:—The number of births registered during the year was 32,770 giving a rate of 41·91 per mille of the estimated population, the births and birth-rate in 1940 being 33,238 and 43·23 respectively.

The birth-rate calculated on the census population was 42·15 as against 51·35 in the preceding year, the quinquennial (1936–40) average being 48·21 (Statement No. I in the Appendix). The large difference is due to the variation in the census population between 1931 to 1941.

Of the total births, 16,852 were males and 15,918 were females. The proportion of male births to female births was 106:100.

The seasonal distribution of births during the year was as follows:—

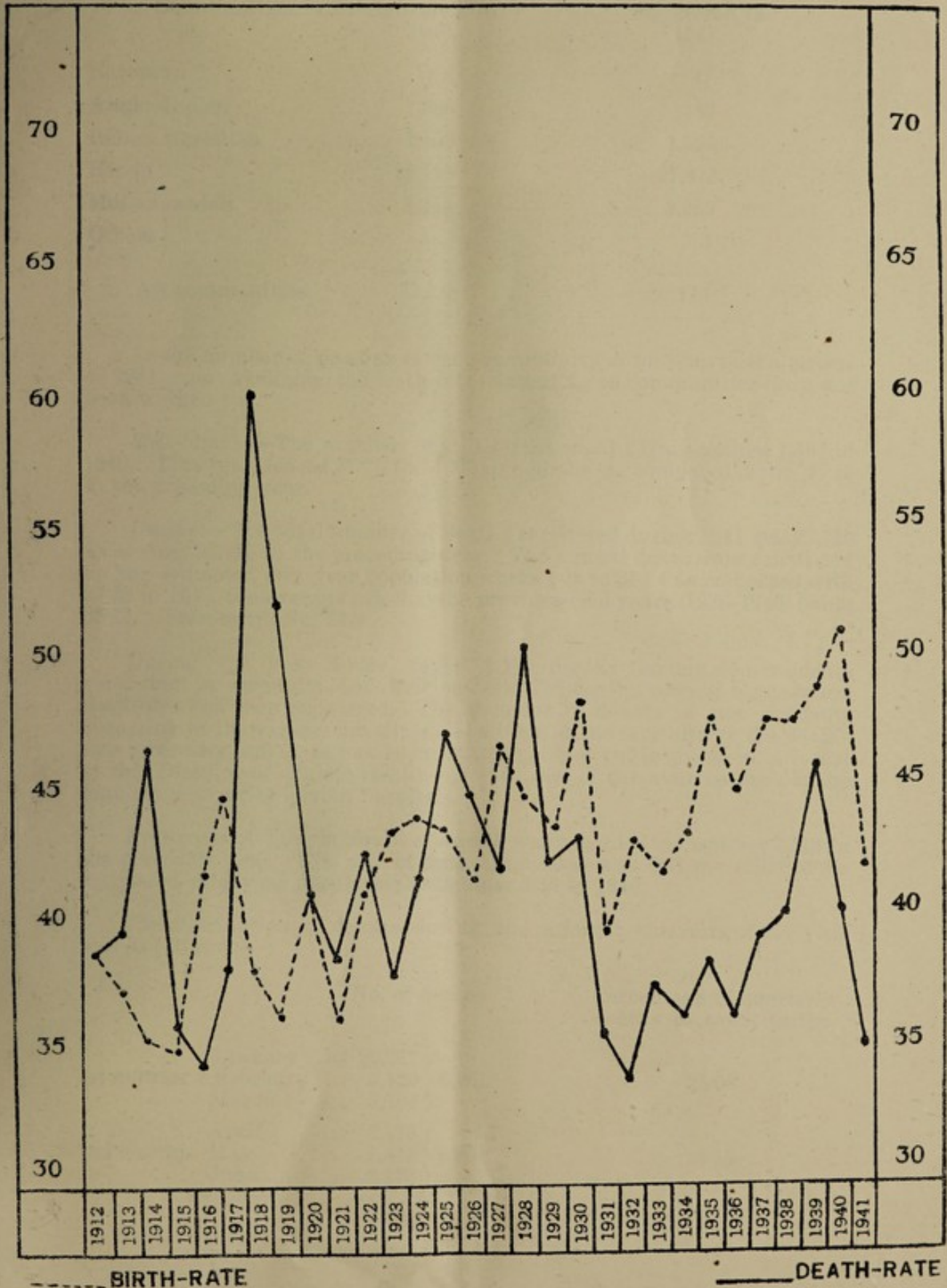
		Births.	Percentage of quarterly births to total births.	
1st quarter	January	... 2,212	6,317	19·28
	February	... 2,011		
	March	... 2,094		
2nd quarter	April	... 2,493	8,098	24·71
	May	... 2,845		
	June	... 2,760		
3rd quarter	July	... 2,988	8,899	27·15
	August	... 3,007		
	September	... 2,904		
4th quarter	October	... 3,327	9,456	28·86
	November	... 2,898		
	December	... 3,231		
Total		... 32,770		100·00



# CITY OF MADRAS

## BIRTH AND DEATH-RATES 1912-41

RATE PER 1,000 POPULATION (CENSUS)

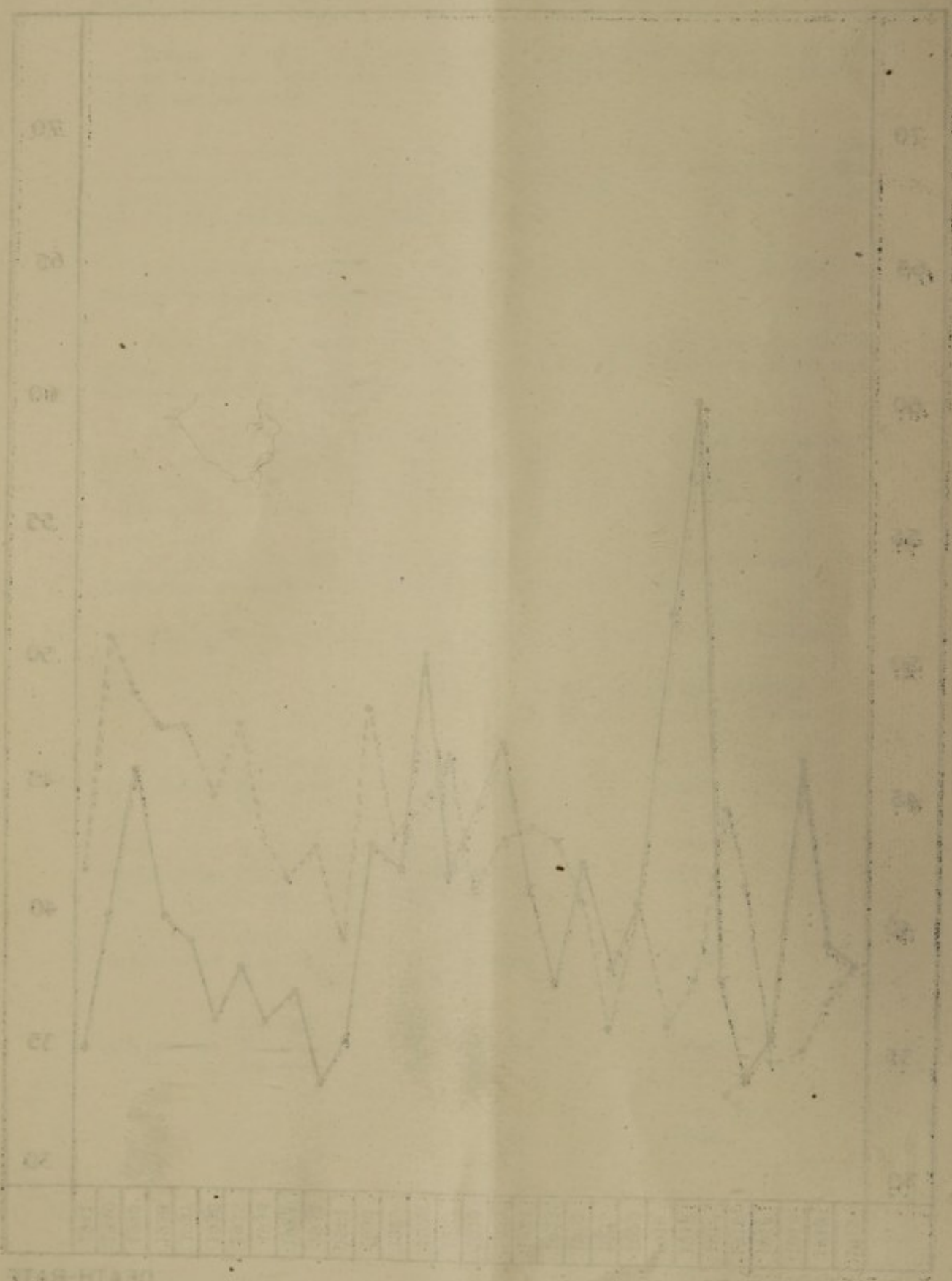




CITY OF MADRAS

BIRTH AND DEATH RATES 1915-16

RATE PER 1,000 POPULATION (CRISUS)



DEATH RATE

BIRTH RATE

*Births in communities*:—The number of births in each community is furnished below:—

Communities.	No. of births registered in 1940.	No. of births registered in 1941.
European	34	47
Anglo-Indian	386	387
Indian Christian	1,559	1,534
Hindu	28,115	27,473
Muhammadan	3,144	3,326
Others	...	3
All communities	33,238	32,770

As the number of persons in each community according to the census of 1941 is not available, the birth-rates according to communities have not been worked out.

*Still-births*:—The number of still-births was 1,237 as against 1,403 in 1940. This represented 37.75 for 1000 live-births as compared with 42.18 in the preceding year.

*Deaths*:—The total number of deaths registered during 1941 was 27,710 as against 26,125 in the preceding year. The annual death-rate calculated on the estimated mid-year population works out to 35.44 as compared with 33.98 in 1940, the average rate for the previous five years (1936-1940) being 35.12. (Statement No. III)

During the year under report 1,185 deaths among non-residents occurring in hospitals and divisions and 769 deaths among beggars and destitutes had been registered. The inclusion of deaths of non-residents occurring in the various hospitals and clinics in the city affects the death-rate adversely and is, as has been rightly pointed out in the annual report of the Director of Public Health for 1940, one of the main causes for the high rates in cities having hospitals.

An excess of 5,060 births over deaths was recorded as against 7,113 in the preceding year. The rate of natural increase was 6.47 per mille of the estimated mid-year population as against 9.25 in 1940.

The distribution of deaths during the different quarters of the year was as follows:—

	No. of deaths.	Percentage of quarterly deaths to total deaths.
1st quarter	January ... 2,727	25.08
	February ... 2,120	
	March ... 2,104	
2nd quarter	April ... 2,178	24.55
	May ... 2,448	
	June ... 2,178	



		No. of deaths.	Percentage of quarterly deaths to total deaths.
3rd quarter	July ...	2,352	22·93
	August ...	2,083	
	September ...	1,919	
		6,354	
4th quarter	October ...	2,331	27·44
	November ...	2,315	
	December ...	2,955	
		7,601	
Total ...		27,710	100·00

*Deaths in communities:*—The principal communities recorded the following deaths as compared with 1940.

Communities.	No. of deaths registered in 1940.	No. of deaths registered in 1941.
European ...	20	25
Anglo-Indian ...	231	225
Indian Christian ...	1,144	1,222
Hindu ...	21,803	23,083
Muhammadan ...	2,922	3,151
Others ...	5	4
All communities ...	26,125	27,710

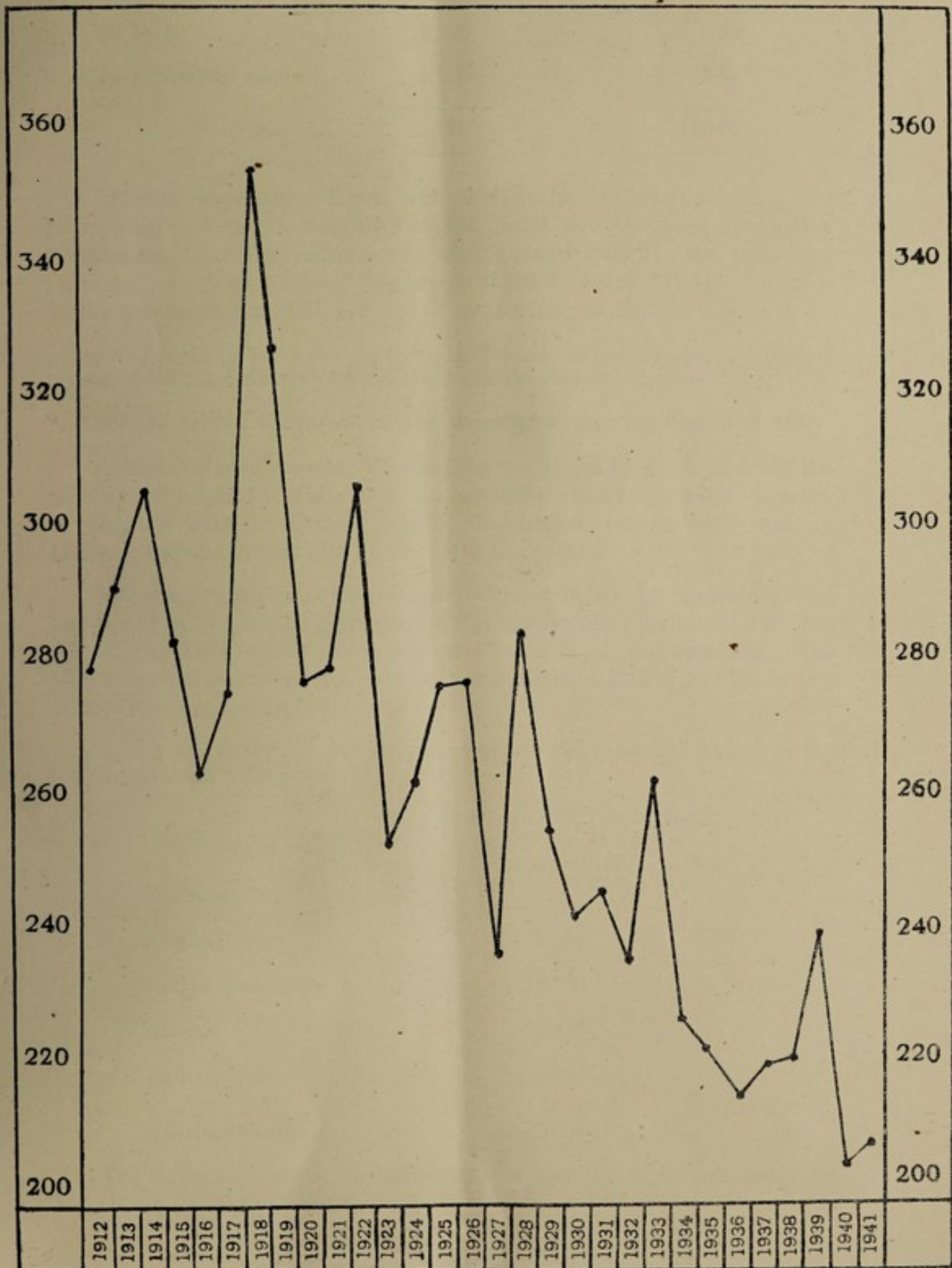
*Age and sex distribution of deaths:*—Of the total deaths registered during the year, 14,169 deaths were among males and 13,541 deaths among females. There were 105 male deaths for every 100 female deaths as compared with 102 in the preceding year. The specific death-rates of males and females were 34·74 and 36·59 per mille of the census population respectively.

The statement furnished below gives the number of deaths and the percentage of deaths to the total mortality in the various age-periods.

Age-periods.	No. of deaths.	Percentage to total deaths.
Under 1 year ...	6,847	24·71
1 to 5 years ...	5,308	19·12
5 to 10 „ ...	1,012	3·65
10 to 15 „ ...	454	1·64
15 to 20 „ ...	703	2·54
20 to 30 „ ...	2,274	8·27
30 to 40 „ ...	1,982	7·15

# CITY OF MADRAS

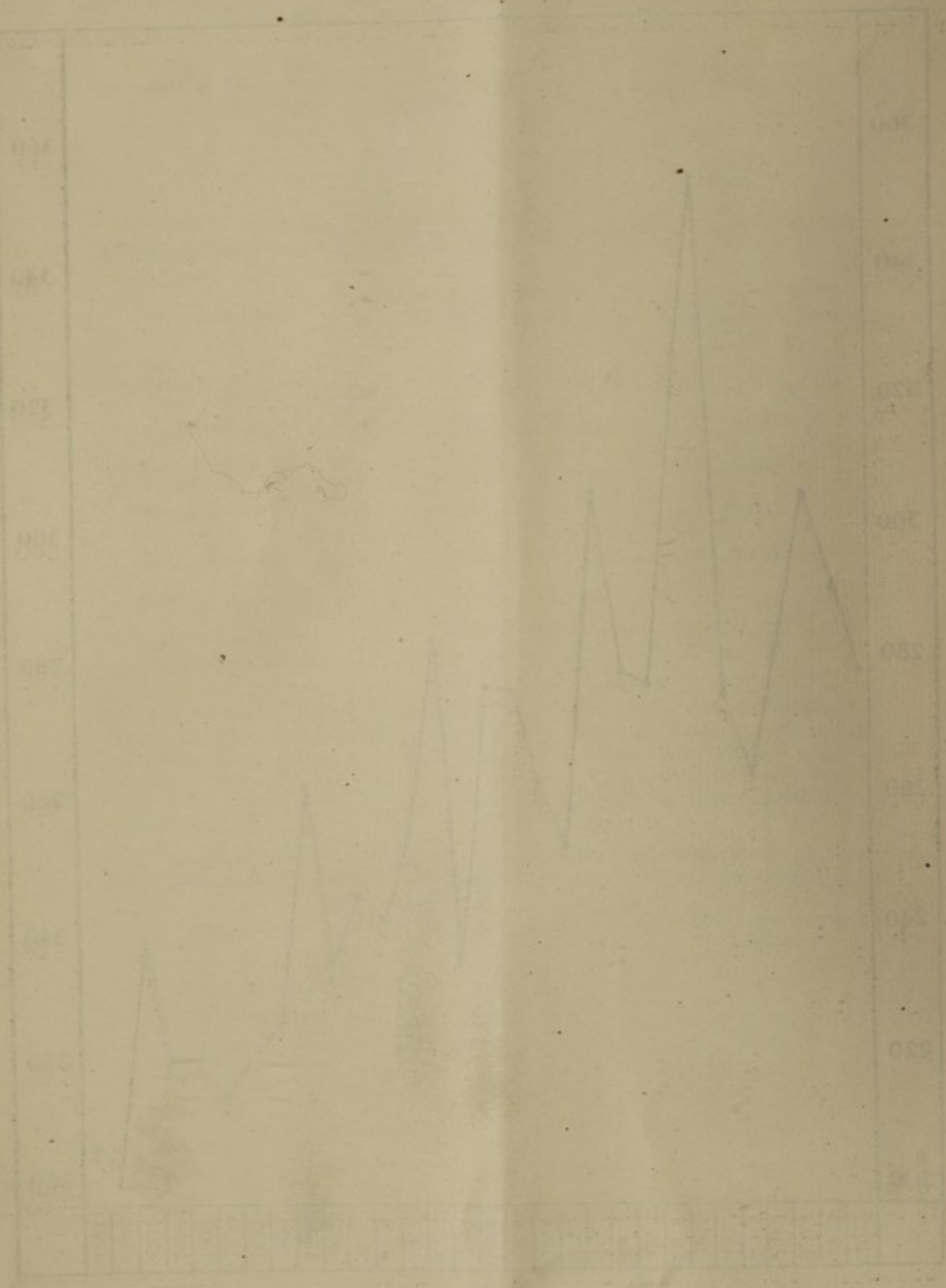
## INFANTILE MORTALITY RATES 1912-41





CITY OF MADRAS

INFANTILE MORTALITY RATES 1912-41



Age-periods.	No. of deaths.	Percentage to total deaths.
40 to 50 „ ...	2,088	7·54
50 to 60 „ ...	1,926	6·95
60 years and above ...	5,116	18·43
Total ...	<u>27,710</u>	<u>100·00</u>

*Infantile mortality*:—There were 6,847 infantile deaths during the year giving an infantile mortality rate of 208·94 per thousand live-births compared with 6,837 infantile deaths with a rate of 205·70 in the preceding year, the rate for the past five years (1936-40) being 221·34. Infantile deaths accounted for 24·71 per cent of the total [mortality].

*Age and cause of infantile deaths*:—In Table G in the Appendix, principal causes of infant deaths under different age-periods are shown.

34·8 per cent of the infant deaths occurred within one month of life.

*Infant deaths by months*:—Table D in the Appendix gives in detail the number of infant deaths and infant mortality rates according to months as compared with the figures for 1940. The highest rate of 301·9 was in January and the lowest rate of 170·5 was in September.

*Infant mortality rates in divisions*:—The number of births and the number of infant deaths registered in the 40 municipal divisions with the infant mortality rates are given in Table E in the Appendix. The highest infant mortality rate was in the 6th division (275·3) and the lowest in the 31st division (107·0).

*Infant mortality rates in communities*:—Infant mortality rates in the principal communities were as follows:—

Community.	Rate per 1000 live-births registered in each community.
European ...	...
Anglo-Indian ...	87·86
Indian Christian ...	172·09
Hindu ...	209·58
Muhammadian ...	238·12
All communities ...	208·94

The births and infant mortality rates in the principal sub-castes of the Hindu community are set forth in the table below:—



Caste.	Births in each caste.	Infant deaths in each caste.	Rate per 1000 births in each caste.
Brahmin	2,686	401	149.3
Chetty	2,067	406	196.4
Vellala or Mudaliar	3,573	699	195.6
Baliya or Naidu	2,942	557	189.3
Vanniar or Naicker	3,886	900	231.6
Adi-Dravida	4,649	967	208.0
Patnavar	347	131	377.5
Yadaval or Edayar	832	197	236.8
Viswakarma Brahmin or Kammalar	738	181	245.3
Others	5,753	1,318	229.1
Total	27,473	5,757	209.6

*Principal causes of deaths:*—The following table gives the number of deaths from various causes together with the death-rates per 1000 of the estimated mid-year population and the percentage to the total number of deaths registered during the year.

Causes of death.	No. of deaths registered.	Rate per 1000 estimated population.	Percentage to total deaths.
Cholera	...	...	...
Diarrhoea and dysentery	3,838	4.91	13.850
Small-pox	5	0.006	0.018
Measles	1	0.001	0.003
Malaria	30	0.04	0.109
Other fevers	2,302	2.94	8.310
Enteric fever	206	0.26	0.740
General respiratory diseases	6,523	8.34	23.540
Tuberculosis	572	0.73	2.060
Deaths from child-birth	285	0.36	1.030
All other causes including deaths from injuries	13,948	17.84	50.340
Total	27,710	35.44	100.000

*Cholera:*—There were only 3 imported cases of cholera. These cases were isolated and treated in the Infectious Diseases Hospital. In the preceding year there was only one attack and no death. 532 persons were inoculated against cholera during the year.

The mortality from cholera for a period of ten years from 1932 is given below:—

<i>Year.</i>	<i>Deaths.</i>	<i>Year</i>	<i>Deaths.</i>
1932	5	1937	232
1933	62	1938	36
1934	166	1939	2
1935	145	1940	...
1936	140	1941	...

*Diarrhoea and Dysentery*:—Diarrhoea and dysentery accounted for 3,838 deaths as compared with 3,352 deaths in the preceding year. The death-rate was 4·91 per mille of the estimated population as against 4·36 in 1940 and 3·64 which is quinquennial (1936-40) average.

Diarrhoea and dysentery accounted for 13·85 per cent of the total mortality. The incidence of diarrhoea and dysentery during the different quarters of the year was as follows:—

	<i>Deaths.</i>		<i>Deaths.</i>
1st quarter	967	3rd quarter	889
2nd „	849	4th „	1,133
Total	...	3,838	

Statement No. XI furnishes the number of deaths registered in the various municipal divisions. Congested divisions returned greater number of deaths.

*Small-pox*.—28 attacks and 5 deaths were recorded during the year as against 98 attacks and 31 deaths in the preceding year. One case was removed to the Corporation Infectious Diseases Hospital for isolation and treatment from the Chingleput district. 12 were imported cases of which 2 died.

Calculated on the estimated population, the death-rate from small-pox during the year under report was ·006 per mille as compared with ·04 in 1940, the quinquennial (1936-40) average being ·27. The number of deaths from small-pox accounted for ·018 percentage of the total mortality.

The incidence of small-pox for a period of ten years is given below:—

<i>Year.</i>	<i>Attacks.</i>	<i>Deaths.</i>
1932	842	176
1933	3503	837
1934	638	131
1935	295	59



<i>Year.</i>	<i>Attacks.</i>	<i>Deaths.</i>
1936	37	3
1937	756	196
1938	2,110	561
1939	992	268
1940	98	31
1941	28	5

All the cases were hospitalised. Necessary preventive measures were adopted.

Statement No. VII-gives the number of deaths in the various divisions.

Vaccinations and re-vaccinations performed during the year are dealt with in a separate report. The number of cases isolated and treated is given in the report on the Infectious Diseases Hospital.

*Malaria* :—30 deaths were registered from malaria as compared with 29 deaths in the preceding year. The death-rate per mille of the estimated population was '04 which is the same as in the previous year, the average rate for the previous 5 years (1936-40) being 0·10. The deaths from malaria accounted for '109 per cent of the total mortality.

Statement No. IX gives the number of deaths registered in the various municipal divisions.

*Enteric fever* :—825 attacks and 206 deaths were registered during the year as against 476 attacks and 125 deaths in the preceding year. Of these, 109 cases were admitted from the adjoining district into the various hospitals in the city for treatment. Among these 109 cases 43 died. Of the remaining 716 cases, 163 proved fatal. The death-rate was 0·26 per mille of the estimated population as compared with 0·16 in the preceding year, the quinquennial (1936-40) average being 0·18. Deaths from enteric fever accounted for 0·74 per cent of the total mortality.

Mortality from enteric fever for a period of 10 years from 1932 is furnished below:—

<i>Year.</i>	<i>Deaths.</i>	<i>Year.</i>	<i>Deaths.</i>
1932	101	1937	96
1933	90	1938	119
1934	145	1939	187
1935	186	1940	125
1936	163	1941	206

The incidence of enteric fever during the different quarters of the year was as follows:—

<i>Quarter.</i>	<i>Attacks.</i>	<i>Deaths.</i>
1st quarter	184	41
2nd „	158	59
3rd „	191	38
4th „	292	68

Cases were reported during all the months of the year and by all the municipal divisions excepting the 6th division.

Statement No. VIII furnishes the number of deaths recorded in the various divisions.

Better notification of cases of this disease in recent years is the cause of the apparent increased incidence. 825 cases stated in the report were bacteriologically proved. Other cases, in the absence of bacteriological test results, have not been taken into account. But necessary preventive measures were adopted in all cases, suspected or otherwise.

17,798 persons were inoculated with anti-typhoid vaccine. Prompt action was taken to adopt other preventive measures in every case that was notified.

*Other fevers:*—Under this head are included deaths from causes other than malaria, enteric fever, respiratory diseases, tuberculosis with fever as the predominant symptom. 2,302 such deaths were registered as against 1,918 deaths in the preceding year. The death-rate was 2.94 per mille of the estimated population as against 2.49 in 1940 and 2.69 for the previous five years (1936-40). (Statement No. X.)

The deaths under this group accounted for 8.31 percentage of the total mortality.

*General respiratory diseases:*—6,523 deaths were registered with a death-rate of 8.34 per mille of the estimated population as against 6,016 deaths with a death-rate of 7.83 in the preceding year. The average rate for the quinquennium (1936-40) was 8.66.

These deaths represented 23.54 percentage of the total mortality.

The number of deaths registered in each division is given in Statement No. XIII.

*Tuberculosis:*—572 deaths were recorded as against 1,064 deaths in 1940. The death-rate calculated on the estimated population was 0.73 per mille in 1941 as against 1.38 per mille in 1940 and 1.62 per mille which is the average rate for the past five years (1936-40). The deaths from tuberculosis accounted for 2.06 percentage of the total mortality.

The number of deaths due to tuberculosis of lungs was 443 or 0.57 per mille of the estimated population as compared with 866 deaths or 1.13 in 1940.

There were 20 deaths in the Government Tuberculosis Hospital, Royapettah, during the whole of the year 1941.



Mortality from tuberculosis for the past ten years is furnished below:—

Year.	Deaths.	Year.	Deaths.
1932	917	1937	1,155
1933	1,011	1938	1,301
1934	1,122	1939	1,400
1935	1,209	1940	1,064
1936	1,136	1941	572

Statement No. XII gives the number of deaths registered in each of the municipal divisions.

*Deaths from child-birth:*—285 mothers died after child-birth as against 264 in 1940. The maternal mortality rate was 8.69 per thousand live-births as compared with 7.94 in the preceding year. The average rate for the quinquennium (1936-40) was 8.84. Deaths from child-birth accounted for 1.03 percentage of the total mortality.

Statement No. XV gives the maternal deaths and death-rates in the various divisions. High rates were as usual noticed in the divisions containing a large percentage of poorer classes.

The statistics relating to the deaths of mothers who came under the care of the various clinics of the Corporation Child Welfare Scheme are given in a separate report by the Lady Superintendent, Corporation Maternity and Child Welfare Scheme.

*Deaths from other causes:*—13,709 deaths were registered under this group of causes as against 13,090 deaths in the preceding year. The death-rate was 17.53 per mille of the estimated population as against 17.03 in 1940, the average rate for the previous five years (1936-40) being 17.22. (Statement No. XVI.)

*Certified deaths:*—5,323 deaths were certified by the various hospitals in the city and 729 deaths by private medical practitioners as to the causes of deaths. The certified deaths represented 21.8 per cent of the total deaths as compared with 22.1 per cent in 1940. The Medical Officers in charge of the registration of births and deaths verified the causes of the other deaths.

*Burial and burning grounds:*—The divisional Sanitary Inspectors supervised the burial and burning grounds in the city. Out of 27,710 deaths 21,432 corpses were buried and 6,278 burnt.

The Nungumbakkam burning ghat at the Tank Bund Road was closed with effect from 1-9-1941 provision having been made for the disposal of the dead bodies in the new crematorium constructed in the Hindu burial ground in Sterling Road.



## VACCINATION

*Staff:*—17 Medical Officers, 58 vaccinators and 5 lady vaccinators were in charge of vaccination during the year. Of these, six vaccinators were formed into a special squad to vaccinate the floating population, homeless persons, etc. Medical Officers in charge of dispensaries, Medical Inspectors of schools and Sanitary Inspectors also performed vaccinations in addition to their usual duties.

Consequent on the appointment of an additional Assistant Health Officer sanctioned in the budget for 1941-42, Dr. P. Sadasivan, L.M. & S., B.S.Sc., Senior Assistant Health Officer, was placed in charge of registration of births and deaths, vaccination, and medical relief. He took charge of this work on 5-7-1941.

*Operations:*—1,92,483 vaccinations were performed during the year as against 1,92,278 in 1940. The total number of vaccinations comes to 24.8% of the population as per 1941 Census. Primary vaccinations and re-vaccinations performed during the year were 31,995 and 1,60,488 respectively as compared with 33,292 and 1,58,986 in the previous year. A comparative statement of vaccination statistics for a period of 10 years from 1932 is furnished below. It will be seen therefrom that 5 lakhs of vaccinations were done in 1939 when there was a severe epidemic of small-pox—when large numbers of homeless people and those residing temporarily in the city at the time were vaccinated. Since then re-vaccination is being carried on systematically by house-to-house visits and the *unprotected* persons register maintained.

<i>Year.</i>	<i>Primary vaccinations.</i>	<i>Re-vaccinations.</i>	<i>Total.</i>
1932	27,076	21,757	48,833
1933	30,851	1,68,601	1,99,152
1934	28,233	19,805	48,038
1935	26,414	35,505	61,919
1936	27,286	15,893	43,179
1937	28,192	52,058	80,250
1938	34,363	1,17,141	1,51,504
1939	36,311	5,04,837	5,41,148
1940	33,292	1,58,986	1,92,278
1941	31,995	1,60,488	1,92,483

During the year 23,620 houses were visited by the vaccinators and 78,097 persons were found *unprotected* and 46,834 persons were re-vaccinated as compared with 51,794 persons in the preceding year. The Sanitary Inspectors visited 14,412 houses and detected 39,282 *unprotected* persons and re-vaccinated 31,662 persons as against 46,718 persons in the previous year.

*No. of successful vaccinations:*—The number of successful primary vaccinations was 31,400 and successful re-vaccinations 6,878 as compared with 32,893 primary vaccinations and 8,657 re-vaccinations in the preceding year.



*Success-rate*:—The success-rate in primary vaccinations was 99·4 per cent as compared with 99·5 per cent in 1940. The success-rate in the municipal divisions varied from 96·4 per cent to 100 per cent. 24 municipal divisions recorded rates above the rate of 99·4 per cent for the whole city. Of these, 11 divisions showed a success-rate of 100 per cent. 2 divisions recorded the same rate as that for the whole city. The success-rate in re-vaccinations was 6·5 per cent as against 7·9 per cent in 1940.

*No. of persons successfully vaccinated per 1000 of population*:—The number of persons successfully vaccinated per mille of the population was 49·3 as compared with 64·2 in the preceding year.

*Infantile vaccinations*:—24,304 infants under one year of age were vaccinated as against 25,080 infants in 1940. Of these, 23,932 were successfully vaccinated as compared with 24,827 in 1940.

*Verification of births*:—30,251 births were verified for the purpose of vaccination as compared with 32,922 in 1940. 4,348 children died and 5,890 children left the city before attaining the age of one year and without being vaccinated; the number of children available for vaccination was 20,013. Of these, 15,667 or 78·3 per cent were vaccinated as against 80·6 per cent in 1940.

*Postponement of vaccination of children*:—The vaccination of 624 children beyond one year of age was postponed for medical reasons.

*Inspection of vaccinated persons*:—The results of vaccinations were verified by the Health Officer, Assistant Health Officers and the Medical Officers. The results of 28,391 or 88·7 per cent of the total primary vaccinations and of 80,316 or 50·0 per cent of the total re-vaccinations were verified by them.

*Prosecutions*:—A statement of prosecutions conducted for refusals of vaccination during 1941 is furnished below:—

	<i>No. Pro-secuted.</i>	<i>No. con-victed.</i>	<i>No. with-drawn.</i>	<i>No. pend-ing.</i>	<i>No. vaccina-ted after prosecution.</i>
Primary vaccination ...	106	91	14	1	97
Re-vaccination ...	22	8	6	8	14

*Cost of vaccination*:—The cost of each successful vaccination in 1941 was Rs. 1-5-9 as compared with Rs. 1-4-2 in 1940. Vaccine lymph was supplied by the King Institute of Preventive Medicine, Guindy.



## SANITATION

The year opened with two Assistant Health Officers in charge of sanitation and other activities of the Health Department. The post of an additional Assistant Health Officer was sanctioned by the Council in the budget for 1941-42 and Dr. G. Srinivasan, B.A., M.B.B.S., B.S.Sc., was appointed on 4-7-1941 to this post. Consequent on the creation of this new post, the Senior Assistant Health Officer, Dr. P. Sadasivan, L. M. & S., B.S.Sc., was put in charge of the work relating to medical relief, vaccination and registration of births and deaths. The other two Assistant Health Officers were in charge of the general sanitation and conservancy of the city.

Rao Bahadur Dr. C. S. Govinda Pillai, M.B.CH.B., L.R.C.P. & S., D.P.H., (Edin.), officiated as Commissioner from 1-6-1941 to 21-6-1941. Dr. P. Sadasivan, L.M. & S., B.S.Sc., acted as Health Officer during the above period and again from 15-10-1941 to 14-12-1941 when the permanent Health Officer was on leave on average salary.

Mr. V. Venkatachalam, M.A., A.I.C., and Mr. S. V. Ganapati, B. A., M. Sc., A.I.C., continued to be the Public Analyst and Water Analyst of the Corporation respectively.

*Water supply*:—As there was copious rainfall in 1940 and during the year under report the supply of water to the city was abundant. The bacteriological quality of water was found to be *safe* throughout the year. The proposal for installing rapid filters was still pending. A report on the analysis of water will be found on page 30. 46 public fountains were erected during the year.

*Sewerage*:—The length of new sewers laid during the year under report was 45,829 ft. as against 43,599 ft. in the previous year. In Royapettah (including Thyagarayanagar) 32,929 ft. of sewers were laid bringing the percentage of sewered portion in this area to 92. The total length of sewers laid up to the end of the year was 15,50,554 ft.

2,968 flush-out latrines were installed in private houses as against 3,049 in 1940. The rise in prices of building materials impeded the progress in this direction. But a steady progress was maintained in the provision of modernised public conveniences by the construction of 15 public conveniences during the year. The number of public conveniences opened to the public will be found in the report on conservancy.

*Housing*:—890 houses were newly constructed during the year. Of these, 679 houses were provided with flush-out latrines, the rest being built in unsewered areas. 2,982 plans for the construction and reconstruction of buildings were received as against 2,963 in the preceding year. Of these, 800 were rejected for sanitary reasons. In the case of 1,530 plans of buildings in sewered areas the provision of flush-out type of latrines was insisted upon.

24,894 houses were inspected as a routine measure and the following defects were noticed:—

- (1) Want of proper drainage in 876 houses.
- (2) Want of sufficient latrine accommodation in 1,775 houses.
- (3) Defective water supply in 464 houses.



- (4) Bad ventilation in 1,124 houses.
- (5) Miscellaneous defects in 2,178 houses.

6,124 notices were issued to have these defects rectified and 354 prosecutions launched for non-compliance. 4,001 houses came to be improved as a result of action taken by the staff. 694 houses had to be inspected on account of complaints received. The number of houses inspected for detecting cases of infectious diseases and *unprotected* persons will be found in the reports on vital statistics and vaccination.

The construction of 56 tenements in Nariangadu was completed. The proposals for the construction of tenements in Cemetery Road and near Kodambakkam were under consideration. Construction of tenements for scavengers in Angalamman Koil Street was taken up and was under progress. The proposal to construct tenements in Palmyra Kuppam had to be kept in abeyance as the area was under constant use by the military.

*Factories*:—144 factories existed in the city during the year. The two Assistant Health Officers, as Additional Inspectors of factories under the Factory Act, inspected them. Their reports were forwarded to the Chief Inspector of Factories for taking necessary action.

*Offensive trades*:—7,853 applications were received and dealt with during the year. 7,364 were sanctioned, 483 refused and 6 were pending at the end of the year. The statement relating to these trades will be found in the Appendix. 642 persons were prosecuted for carrying on offensive trades without licence and 370 licencees were prosecuted for contravening the licence conditions.

*Lodging houses*:—The number of lodging houses registered under the Public Health Act was 41.

*Cattle yards*:—The number of private cattle yards found fit for licensing at the beginning of the year was 1,260. As a result of action taken by the sanitary staff 805 were improved and rendered fit for licensing. 370 were found unfit for licensing. Of these, 129 cattle yards were vacated by the owners who were prosecuted.

The model cattle yards at Basin Road, Purasawalkam, Chintadripet and Triplicane were kept in a sanitary condition. The number of animals housed in these yards was 280.

*Dhobykhanas*:—The Dhobykhanas at Robinson Park and Chetput continued to function satisfactorily throughout the year. The new dhobykhana at Conran Smith nagar was thrown open for use during the year under report. The construction of the dhobykhana at Venkatathri Naick Street was completed and this was also opened for use.

*Food control*:—7 public and 42 private markets existed in the city. Six big private markets continued to be under the supervision of Superintendents. Expanded metal enclosure was provided to the evening bazaar in Moore Market. Improvements to the beef stalls in Moore Market were under progress.

The drive to prevent the sale of articles of food unfit for human consumption was kept up. The motor lorry put on this work went round the various divisions regularly and systematically. The list of unwholesome articles of food destroyed is appended to this report.



The report of the Public Analyst on the working of the Food Adulteration Act will be found on page 32.

*Meat supply:*—In the three Corporation slaughter houses which functioned satisfactorily throughout the year 4,61,751 sheep and goats, 19,489 cows and bullocks and 1,369 pigs were slaughtered. The Veterinary Superintendent who is in charge of the slaughter houses examined the animals and the carcasses. During the course of the year he rejected 9,299 unhealthy animals, 25 carcasses and 27,910 organs which were found unfit for human consumption. The sanitary staff frequently inspected all the mutton stalls in and outside the markets to prevent the sale of unwholesome meat as well as the sale of flesh of animals slaughtered outside the city otherwise than in an authorised slaughter house. The quantity of unwholesome meat destroyed during the year is given in the list of unwholesome articles of food destroyed. Collection of fees at the pig slaughter house was made departmentally from 1-4-1941 as no satisfactory offer for taking the right on lease was forthcoming. Cycle stands were provided in November 1941 and a fee of Re. 0-0-6 per cycle was levied and collected departmentally. 429 Sheep were permitted to be slaughtered in private places for religious and festival purposes.

*Weights and measures:*—The two Inspectors of Weights and Measures, who were in charge of the two ranges of the city, looked after the work relating to the enforcement of the by-laws prescribing standard weights, measures and scales. A periodical and systematic inspection of all the private and public markets was made by them to check the weights, measures and scales used by the vendors and traders therein. Similarly the weights, measures and scales used in shops, bazaars, depots, godowns and stalls were also examined and tested constantly. Scales, weights and measures used by street hawkers were also thoroughly examined. Defective scales, weights and measures were seized and confiscated. Vendors found using defective ones at the time of seizure were prosecuted. 899 scales, weights and measures which were found defective were seized and confiscated during the year under report and 18 vendors were prosecuted and convicted.

*Anti-rabic measures:*—The Superintendent of Lethal Chamber, with the assistance of seven licensed dog catchers working under him, caught during the year 13,814 dogs as against 15,907 in the previous year. They were taken to the Lethal Chamber for destruction by electrocution. Of these, 5,986 dogs and 7,554 bitches were destroyed, 186 were claimed by owners and 114 were given to the Medical College. It is gratifying to note that 1,322 bitches were caught in excess of dogs. Sixteen licensed pig catchers caught 37 stray pigs. Of these, 10 were auctioned and the remaining 27 released for slaughter at the pig slaughter house.

*Poor House:*—There were 222 inmates at the beginning of the year in this institution. 445 admissions were made during the year. Fifty four inmates absconded and there were 137 deaths of which 100 took place in the Government hospital at Royapuram and 37 in the institution itself due to natural causes. The strength of the house at the end of the year was 254. The rest were discharged.

Besides the usual annual repairs such as white-washing and re-tiling, the roads in the compound of the house were metalled during the year. Fourteen feasts were given to the inmates during the year including that given on the birthday of H. H. the Maharaja of Travancore. The Deputy Mayor, Mr. C. Subramaniam Chetty, visited the institution and gave a donation of Rs. 20/- for a special treat to be given to the inmates.



The loan of Rs. 35,000/- sanctioned by the Government for erecting an Industrial Home was surrendered on account of the enormous rise in prices of building materials due to war conditions.

*Zoological Gardens*:—The post of an Assistant Superintendent was sanctioned by the Council and a zoology graduate who received training in the zoo was appointed. Major improvements programmed for 1941 were not proceeded with on account of the rise in prices of the building materials. Minor improvements such as providing each electric lamp with separate switch, raising the level of a portion of the animal enclosures to prevent stagnation of water, providing the western compound wall with a layer of glass pieces, etc., were attended to. Though the Government have approved the proposal of the Corporation to extend the zoo compound, the matter has been kept in abeyance on account of the prevailing war conditions.

A cafe was opened during the year and leased to the proprietor of the Hotel Everest for Rs. 250/- for 1941-42. The collection of entrance fees was made departmentally from 1-4-1941. A separate ingress with turnstile recorder was provided at the main entrance. The right of plying pleasure boats was auctioned for Rs. 480/- for 1941-42.

Facilities for car drives, moon light parties and picnics were provided to augment the sources of revenue. A detailed report on the zoo will be found in the Commissioner's Report for 1941-42.

*Swimming bath*: The swimming bath which was closed to the public for over two years due to scarcity of water supply was re-opened to the public on 12-5-1941. The necessary staff was appointed. The bath worked satisfactorily. Being the only bath available to the public in the city it attracted a number of bathers. During 1941-42 pupils of recognised schools were allowed concession rates.

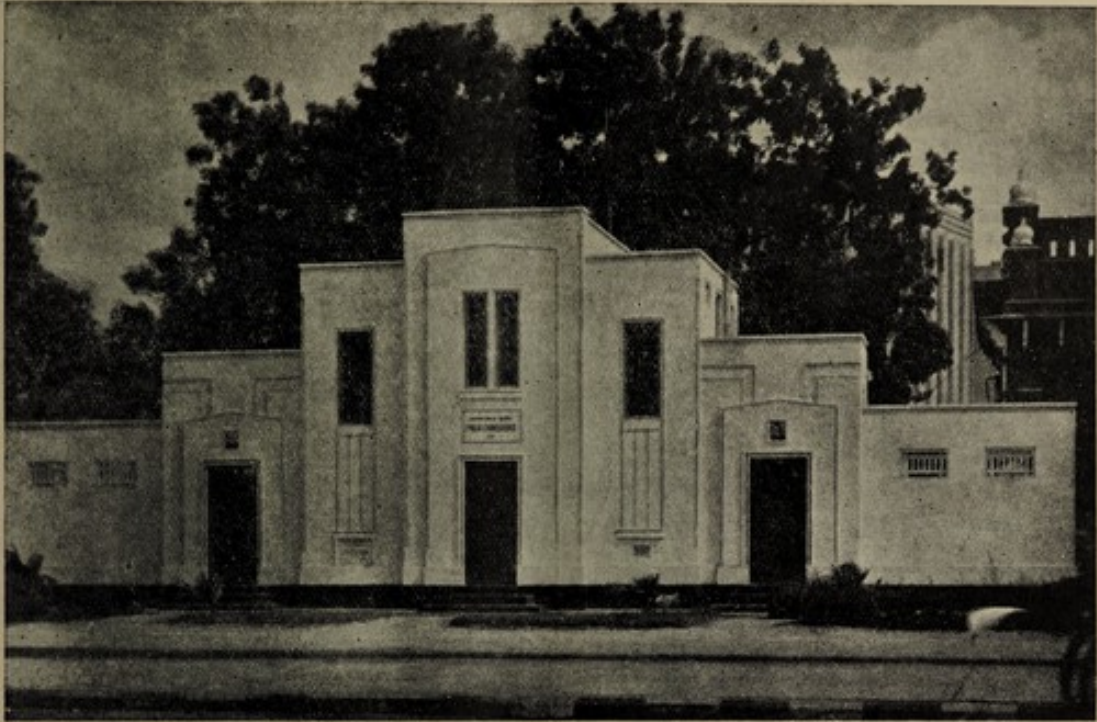
The collections amounted to Rs. 993/- from the sale of season tickets and Rs. 2,372-6-0 from the sale of casual tickets for 1941-42. This institution received a set back on account of the war conditions and the wholesale evacuation of the city towards the close of the official year.

*Health propaganda*:—Health propaganda was continued to be carried on by the distribution of hand-bills and leaflets, by conducting talks on health subjects and by cinema and magic lantern shows. During the year under report there were 3,790 lectures of which 726 were accompanied by magic lantern demonstrations and 113 by cinema shows. 1,727 talks were also held besides 3 health dramas and one exhibition. About 2,68,700 persons were present at the lectures.

#### THE REPORT OF THE PORT HEALTH OFFICER ON THE WORKING OF THE QUARANTINE REGULATIONS

All the vessels which arrived in the Port of Madras in 1941-42, totalling 417, were inspected. The numbers of passengers and crew inspected were 31,925 and 33,908 respectively. Only two cases of chicken-pox were landed in Madras from Troop-ships which touched at this port including two contacts and were sent to the Infectious Diseases Hospital, Tondiarpet, for treatment. They were isolated on board and necessary sanitary measures were also taken. No deaths took place among these patients.





Public Convenience near the Law College in Esplanade



Tenements in Angalammen Koil Hutting Ground





The Dispensary Building in Pulianthope



The Dispensary Building in Thyagarayanagar



Outgoing vessels numbering 196 were inspected. A total of 7,133 passengers and 13,483 members of the crew were inspected. 12 cases of undiagnosed fevers amongst passengers were rejected by the ships' surgeons.

Inspection of provisions for lascars crew was carried out in respect of 23 vessels in 1941-42. 20 samples of ghee and one sample of lime-juice were sent for analysis. Of these, three samples of ghee and the sample of lime-juice were found to be adulterated and below the standard and so, those consignments were replaced. Other provisions were found to be good in quality and sufficient in quantity in all cases.

The sanitation of the Port area was maintained by the Madras Port Trust and was satisfactory during 1941-42. The mosquito nuisance has been considerably lessened since the Trust took up anti-mosquito work. The highest mosquito larvae index during the year was 0.6 and the lowest 0.2.

During the year 1941-42, 15 lots of consignments were inspected by this department at the request of the Madras Port Trust and of these, 6 lots found unfit for human consumption were condemned.

#### PUBLIC HEALTH ACTIVITIES OF AIDED INSTITUTIONS

Ambal Siddha Vaidya Free Dispensary, 2/48, St. Xavier Street, George Town, rendered medical aid to 17,908 persons

Arya Vaisya Maternity and Child Welfare Centre, 27, Govindappa Naick Street, treated 3,675 out-patients and 159 maternity cases of which 84 were in-patients.

Chengalroya Naicker's Free Dispensary, Rundalls Road, Vepery, treated 2,22,175 cases.

Chennapuri Annadana Samajam, 9, Nainiappa Naick Street, Park Town, provided boarding and lodging for 80 persons besides feeding 560 school boys daily on all school days. Many poor persons were also fed and clothed.

Free Unani Dispensary, 31, Hussain Mulk Street, Royapettah, treated 25,141 cases.

Friend-in-Need Society, 3, Poonamallee High Road, Periamet, maintained a home for the aged, infirm and destitute. The number of inmates averaged 55 throughout the year.

Kalyani Hospital, Edward Elliots Road, Mylapore, rendered medical aid to 2,899 in-patients and 10,451 out-patients.

Marwari Free Ayurvedic dispensary, 419, Mint Street, Sowcarpet, treated 2,40,861 cases.

Madras Siddha Ayurvedic Free Dispensary, 1/130 Royapettah High Road, Mylapore, treated 17,578 cases during 1941-42.

Monegar and Raja of Venkatagiri Choultries, Monegar Choultry Road, dieted daily an average number of 89 in-door paupers and 255 out-door paupers.



Oddarpalayam Free Dispensary, 123, Lloyds Road, Mylapore, treated 12,272 cases in 1941-42.

Osmania Shafa Khana, Thayar Sahib Street, Tiruvateeswaranpet, treated 7,535 cases.

Pandurauga Free Dispensary, 66, Monegar Choultry Road, treated 6,961 cases.

Saraswathi Sangam Free Dispensary, 28 Pedariar Koil Street, George Town, rendered medical aid to 32,017 cases.

Saraswathi Sangam Free Dispensary, Olagappa Maistry Street, Chintadripet, treated 13,281 cases.

Siddhananda Free Dispensary, 46, Ammen Koil Street, treated 21,223 cases.

Sri Kanyaka Parameswari Devasthanam Dispensary, Anna Pillai Street, George Town, treated 59,469 cases.

Sri Ramakrishna Mutt Charitable Dispensary, Brodies Road, Mylapore, treated 48,329 cases in the allopathic section and 21,866 in the homeopathic section.

Triplicane Annadana Samajam, 95, Pilliar Koil Street, Thiruvateeswaranpet, fed 43,347 poor persons.

Unani Darush Shifa Free Dispensary, 515, Triplicane High Road, treated 1,03,097 cases.

Trivarnika Maha Sanga Free Dispensary, 169, Devaraja Mudali Street, treated 72,890 cases.

Venkataramana Dispensary, Kutcheri Road, Mylapore, treated, 2,03,553 cases and 15,786 surgical cases. In its branch at George Town 43,703 cases have been treated. The branches at Triplicane, Thyagarayanagar and Sowcarpet treated 4,624, 1,952 and 1,952 cases respectively.

Vupputhur Alwar Chetty Garu's Free Ayurvedic Dispensary, 3/6, Tholasinga Perumal Koil Street, Triplicane, treated 1,35,855 cases.

#### MEDICAL RELIEF

There were 20 allopathic, 4 unani, 2 siddha and 1 ayurvedic dispensaries, two infectious diseases hospitals one leprosy and one venereal clinic rendering free medical aid during the year under review. The dispensaries located in 32, Gantz Road, Vyasarpady, 40 Mannarswami Koil Street, Pulainthope, and 23, Vinaithirtha Vinayagar Koil Street, Kosapet, were shifted to the newly constructed Corporation buildings at 17, Gantz Road, 17, Pulianthope High Road, and 21, Chellappa Mudali Street, respectively from 4-8-1942. The construction of buildings for the dispensaries at Teynampet and Thyagarayanagar was under progress. The total number of cases treated at the 27 out-patient dispensaries was 29,18,691 as against 30,47,161 in 1940. The total number of skin cases and early cases of leprosy treated in them was 1,35,693. The out-turn of work in these dispensaries is furnished in a separate statement in the Appendix.



The Ice House Road Skin & Leprosy Clinic recorded a total of 43,177 cases of which 329 were new cases of leprosy and 11,470 new cases of skin and other diseases. The injections performed for leprosy and skin diseases totalled 6,681 and 450 respectively. 30 cases suspected of leprosy and skin disease were examined at the clinic and certified. Infective cases were made to stay away from their occupation till rendered non-infective. Cases requiring institutional treatment were recommended for admission in the Lady Willingdon Leper Settlement.

In the leprosy clinic attached to the Vyasarpady dispensary 5,090 skin and leprosy cases were treated. Of these 116 were new cases of leprosy and 1,454 were new cases of skin disease. The number of injections given was 3,636. Treatment of leprosy pupils of Corporation schools is dealt with in the report on the Medical Inspection of Corporation schools. A statement of the out-turn of work in the two clinics is given in the Appendix.

The Venereal Clinic completed another year of its useful existence. The clinic was shifted on 1-1-1941 from 55, Pulianthope High Road, to 82 & 83, Strahans Road. The attendance which totalled 12,368 in 1938 rose to 23,441 in 1941. The posts of a Lady Medical Officer and a trained nurse created in September 1940 as an experimental measure were discontinued from April 1941. 2,852 injections were given and 959 smears were examined in the clinic. 1,230 specimens of blood were taken for serological examination.

In the two infectious diseases hospitals 942 patients were admitted for treatment. Of these, 412 suffered from chicken-pox, 28 from small-pox and one only from cholera. Statements of cases treated in the two hospitals are appended. Improvements were made to the laundry attached to the hospital at Tondiarpet.

*Raja Sir Ramaswami Mudaliar's Lying-in-hospital*:—This is a maternity hospital in the northern part of the city. A detailed report on the working of this institution will be found in the Commissioner's Report for 1941-42.

### CONSERVANCY

*General*:—Two Asst. Health Officers continued to be in charge of the conservancy work. They were assisted by two Conservancy Supervisors, Mr. J. Muthia and Mr. M. Dharmarajulu Naidu who are qualified Second Class Health Officers. Mr. V. J. Balasundara Doss, G. M. V.C., Veterinary Officer, was in charge of the veterinary work of the cattle depots.

The total expenditure on conservancy for the year 1941-42 was Rs. 11,60,177-7-0 against Rs. 11,61,734-6-7 for 1940-41.

*Cleaning staff*:—There were 2,054 coolies for the cleaning of streets, drains, latrines and water-tables. The following carts were engaged for the removal of rubbish, filth, sewage and silt from the divisions:—

(1) Number of trollies, double and single draught carts for the removal of rubbish	...	494
(2) Number of night-soil carts	...	71
(3) Number of sewage and silt carts	...	26

*Motor lorries*:—All the lorries intended for the removal of rubbish and filth were under the control of the Mechanical Engineer. Motor lorries



required for the removal of rubbish and filth in the city were marched out daily from the Lorry Station. The charges incurred for the supply of these lorries were debited to the Health Department. The total amount so debited during 1941-42 was Rs. 1,86,630-5-6.

*Tipping platform*:—The tipping platforms at Basin Bridge, Langs Garden and Krishnampet continued to serve satisfactorily.

*Disposal of rubbish*:—About 6,50,636 cart-loads of rubbish were removed during the year as against 7,45,794 in the previous year. Of these, 20,462 cart-loads of rubbish were sold and 1,64,863 were dumped in Railway land, Korukupet, Railway land near Wall-tax Road, Slaughter House, ponds in Perambur, northern side of Ponnalan lane, ponds in Conran Smith Nagar and Lodd Govindoss Nagar, and 57,731 cart-loads were used for raising low-lands.

*Disposal of filth*.—81,279 cart-loads of filth were removed as against 69,817 cart-loads removed during the previous year. Of these 28,658 cart-loads were flushed into the sewers at the Pail Depots at De'mellows Road and Ice House Road and the rest trenched in the dumping grounds at Otteri and Korukupet.

The amount realised by the sale of manure and cow dung during 1941-42 was Rs. 5,757-15-4.

*Public latrines*:—327 public latrines existed in the city during the year under report. Of these, 282 were of the flush-out type and 24 were of the masonry type and the rest were sanded latrines. 12 public conveniences were opened for public use during the year at the following places:—

- (1) Old Slaughter House Road, 3rd division.
- (2) North Wall Road, 13th division.
- (3) Vettianpuram, 21st division.
- (4) Western end of Kumbalamman Coil Street, 22nd division.
- (5) Marina, 33rd division.
- (6) Gangamma Coil Street, 36th division.
- (7) Sundara Rao Street, 38th division.
- (8) Brodies Road, 39th division.
- (9) Mada Church Road, 40th division.
- (10) Venkatesapuram, Gantz Road, 17th division.
- (11) do do
- (12) Hope Lodge, Gantz Road, 17th division.

All the public latrines were white washed. 1,772 gallons of disinfectants were utilised during the course of the year for the disinfection of the latrines, drains, etc. 3,296 parabs of chunam were used near dust-bins, road sides, street corners and other places rendered untidy by the committal of nuisance.

*Festivals*:—The conservancy of the S. I. A. A. grounds during the annual Park Fair and Exhibition was as usual undertaken on payment of charges.



*Private scavenging*:—The removal of rubbish and filth from several public institutions in the city was carried out by the Department as per Section 197 of the City Municipal Act. The total amount realised by way of fees during 1941-42 was Rs. 24,173-8-9.

*Nuisance*:—The conservancy staff paid particular attention to the cleaning and disinfecting of places where there was frequent committal of nuisance. The Police authorities also prosecuted a few of the offenders with a view to abate this nuisance in the areas most affected. To warn the public against the committal of nuisance notice-boards were put up in several parts of the city.

*Labour*:—In pursuance of G. O. No. 4942 L. & M. dated 22-12-1931 the coolies who retired on account of old age and infirmity were granted bonus. 305 coolies were provided with tenements in the Corporation model lines and 115 coolies in huts on Corporation land. The labourers had their needs well attended to. Cases of grievances brought to the notice of the Health Officer and the Commissioner received utmost consideration and were personally enquired into.

*Conservancy depots*:—There were six conservancy cattle depots situated in different parts of the city. Each depot was in charge of a veterinary graduate designated as the Depot Superintendent.

*Animals*:—The number of bullocks on hand on 1-1-1941 was 853 as against 976 on 1-1-1940. 77 bullocks were purchased during the course of the year. 132 bullocks died during the year as against 161 in the year 1940. 2 unserviceable bullocks were permanently transferred to the Superintendent of Parks. There were thus 796 bullocks on 31-12-1941.

Of the 132 casualties, 75 bullocks died of old age and general debility, 6 of anthrax, 16 of tuberculosis, 4 of piroplasmosis, 1 of foot and mouth disease, 3 of bovine lymphangitis, 12 of respiratory diseases, 3 of cardiac diseases, 7 of digestive troubles and 5 from other causes.

*Rinderpest*:—There were no deaths from rinderpest as the depot bullocks were permanently protected against rinderpest by the sero-virus method.

*Anthrax*:—There were 6 deaths from anthrax—2 cases at "A" Depot 1 at "C" Depot, 2 at "E" Depot and 1 at "F" Depot. Preventive measures were immediately adopted and all the depot bullocks were promptly protected with anti-anthrax serum.

*Tuberculosis*:—There were 16 deaths from tuberculosis as against 30 in 1940. Conservancy bullocks are easily exposed to tubercular infection. All possible preventive measures were adopted. Every animal showing clinical symptoms of tuberculosis was immediately destroyed. Bullocks suspected for tuberculosis were immediately segregated at the Corporation Isolation Hospital, Vyasarpady, and tested with tuberculin and all positive reactors were immediately destroyed.

*Piroplasmosis*:—There were 4 deaths from piroplasmosis during the year.

*Bovine lymphangitis*:—There were 3 deaths from bovine lymphangitis during the year.



*Foot and mouth disease*.—Foot and mouth disease was prevalent almost throughout the year in one or other of the cattle depots. The first attack was in January 1941 at "F" Depot where 87 bullocks were affected. "C" Depot was affected in February and 117 bullocks suffered from the disease. It spread to "D" Depot in April where there were 3 cases. "A" Depot was also affected in April with 87 cases. "E" Depot was affected in May with 30 cases and again in October with 51 cases. The total number of bullocks affected was 434, of which there was only one death in "F" Depot. There is no preventive inoculation against foot and mouth disease. Casualties are minimised by careful nursing and treatment.

*Animals treated at the conservancy cattle depots and at the Veterinary Isolation Hospital at Vyasarpady*.—1,927 cases were treated for various diseases in the conservancy cattle depots. 1,607 cases which either suffered from contagious diseases or required special care and attention were taken to the veterinary hospital and treated there.

### MOSQUITO CONTROL

The staff for this work continued to be the same as in previous years. The three supervisors, eight stegomyia overseers, 36 maistries, one laboratory attendant and 144 coolies were all distributed as in the previous years and worked under the guidance of the Medical Officer in charge of the operation. The activities of the house-inspection squad were confined to the divisions without underground sewers and other sanitary facilities. As stated in the previous reports, the above staff is scarcely adequate to provide regular weekly or even fortnightly rounds in all the divisions of the city.

The various aspects of the anti-mosquito activities are dealt with below :—

*Tanks and ponds* :—401 ponds and tanks existed at the beginning of the year. 138 ponds and tanks were attended to departmentally and the charges collected from the owners amounted to Rs. 1,601-14-0. 168 ponds and tanks were attended to by the owners themselves. 5 private ponds were cleaned free of charge on account of their receiving storm water from the surroundings. 9 Corporation owned tanks received periodical attention from the staff. The remaining ponds and tanks were found clean and free from mosquito larvae. 5 ponds were reclaimed during the year. All the tanks and ponds were invariably stocked with larvicidal fish.

*Wells* :—About 16,500 wells existed in the city. The staff examined these wells for mosquito larvae and stocked them with larvicidal fish after removing floating matters such as leaves, rags of cloth, paper, etc., falling accidentally or otherwise into these wells. The statement of the results of the inspections made by the staff during the year is given below :—

	Percentage of wells with fish alive.					Percentage of wells with mosquito larvae.					Percentage of wells with anopheles larvae.				
	1941	1940	1939	1938	1937	1941	1940	1939	1938	1937	1941	1940	1939	1938	1937
1st round	94.09	90.62	89.90	83.5	52.4	1.53	1.30	2.00	2.9	8.7	0.34	0.17	0.28	1.1	5.2
2nd "	95.15	90.93	87.89	83.3	75.6	1.25	1.42	1.78	2.4	6.3	0.23	0.24	0.32	0.8	2.1
3rd "	95.15	91.71	88.53	85.0	85.3	1.77	1.47	1.73	3.0	5.3	0.39	0.30	0.38	1.0	2.0
4th "	94.88	93.26	87.22	85.7	89.9	2.16	1.62	1.78	3.6	2.8	0.42	0.38	0.34	1.3	1.2
5th "	95.72	93.29	88.40	86.9	...	1.65	1.66	1.62	3.5	...	0.35	0.40	0.28	1.0	...



During the year, 155 wells were filled up. 1,705 wells were found to be covered with Cuddapah slabs and 4,709 wells provided with trap-doors. 272 wells were found neglected. These wells were oiled with kerosene and after 10 days stocked with larvicidal fish. The staff detected 515 wells including those newly sunk.

As pointed out in the previous years' reports, wells formed the permanent breeding places of *anopheles stephensi* (malaria carrier). Few wells bred *aedes aegypti* (vector of yellow fever) and *culex fatigans* (vector of filariasis). Wells breeding *anopheles stephensi* were more frequently inspected to prevent any further breeding in them. The fish gangs stocked these wells with fish. They and the house-inspection squads detected mosquito breeding in broken vessels, tins, cisterns, tubs, drums, etc. 7,444 such receptacles were removed by them from houses to prevent the breeding of mosquitoes in them.

*Anti-stegomyia service*:—The stegomyia control measures were, as in previous years, carried on within half a mile around the Madras Port. This area was inspected 17 times during the year under report and 85 times from the time of the commencement of the stegomyia survey in 1936. The stegomyia house-index was furnished to the Director of Public Health every month.

The mosquito house-index for the 17 rounds made during the year under report ranged from 0.34 to 1.19, the index at the time of the commencement of the survey in 1936 being 1.40. Similarly the stegomyia house-index of the year under report varied from 0.19 to 0.93 as against 9.9 in 1936.

The graph illustrates the trend of stegomyia house-index from the beginning of the survey in 1936 up to the end of 1941. It also shows that the Port area is having a stegomyia control sufficient to keep the index far below the international danger zone of index 2 for yellow fever.

The anti-stegomyia operation consisted in inspecting every premises within the specified area for mosquito larvae, collecting samples of larvae from breeding places, breeding them in the laboratory into adult mosquitoes for ascertaining the species to which they belonged and issuing printed advice memoes regarding the nature of the breeding places and the methods of their control. 382 such memoes were issued to owners or occupiers to prevent such breeding in future. Action was taken to enforce permanent measures wherever necessary. Public offices, firms, etc., were addressed to carry out preventive measures whenever breeding was noticed in wells, fire-buckets, overhead cisterns, flush-out tanks, wells, etc., within their premises. To prevent the breeding in storages of water in brass and earthen vessels, instructions were issued to renew the water once in 2 or 3 days and to keep such receptacles always covered with lids. Water stored in pots, tubs, drums or cisterns and kept near flush-out or dry latrines for the purposes of flushing-out or washing the latrines was a common breeding ground of stegomyia mosquitoes. Special efforts were made to prevent this practice. In many instances, such pots, tubs, drums, etc., were removed with the permission of the owners to whom the advisability of supplying water directly to the scavenger was pointed out. In other instances instructions were given to cover the receptacles with lids and to empty them completely once in 2 or 3 days.



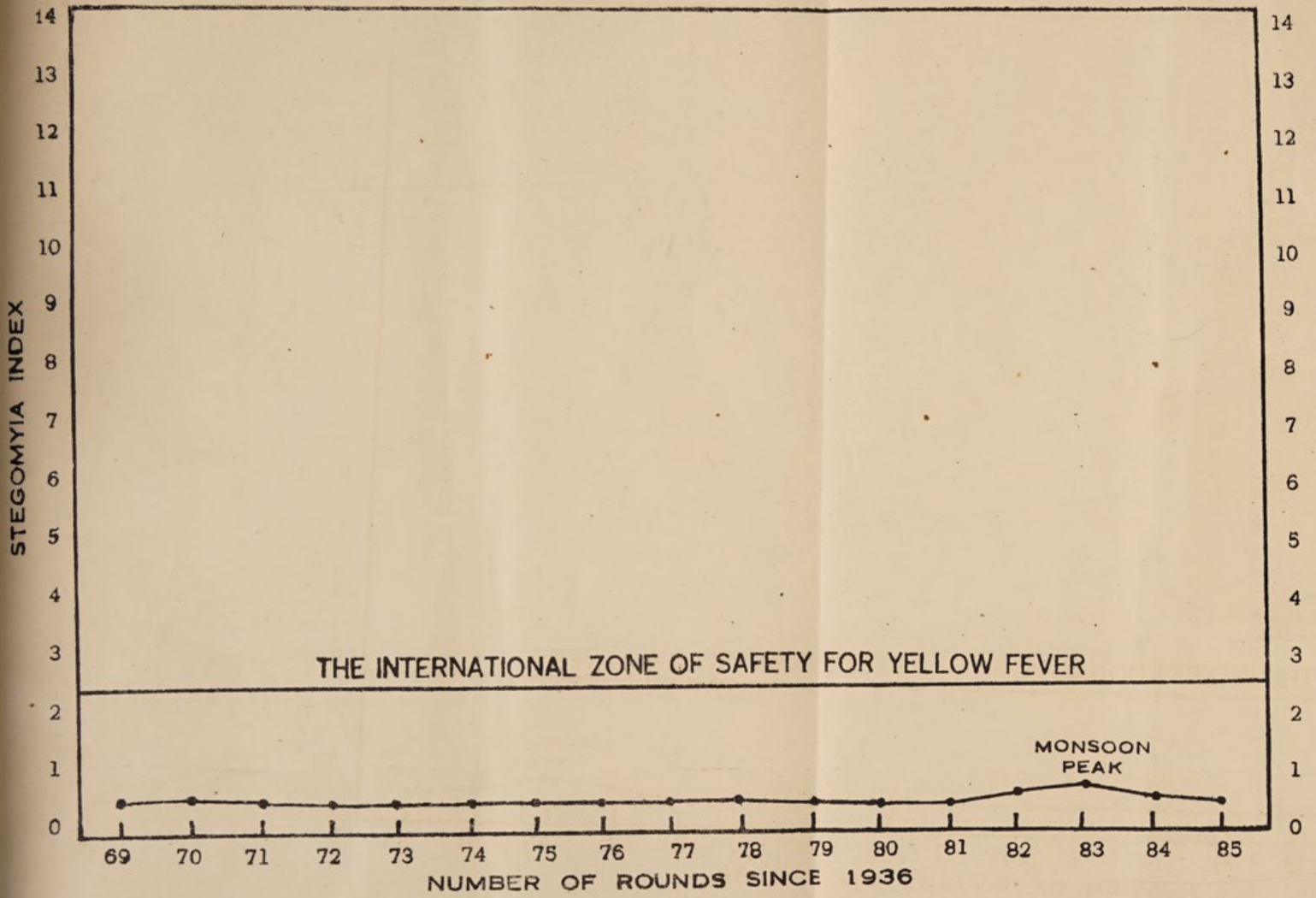
The anti-mosquito campaign conducted in divisions 19, 20, 21, 22, 26, 27, 28, 29, 36, 37, 38, 40 was similar to the anti-stegomyia operations described above. The staff paid periodical visits to all the private and public places, inspected the wells, cisterns, cess-pools stagnation in pits, drains, culverts, etc., and prevented the breeding of mosquitoes in these places. The mosquito house-index for the 26 rounds made by the staff in these divisions ranged from 6.8 to 1.3 and the stegomyia house-index from 0.2 to 0.5. Compared with the mosquito house-index of 9.5 at the beginning of survey of these divisions in 1937, the improvement effected in controlling mosquito nuisance in these divisions during the year under report has been considerable.

The number of mosquito breeding places that were destroyed during the 26 rounds is given below :—

No. of rounds.	No. of mosquito breeding places (including stegomyia)	No. of stegomyia breeding places.
1	265	61
2	257	69
3	245	86
4	248	59
5	224	62
6	212	79
7	182	64
8	183	76
9	192	57
10	166	66
11	164	67
12	185	81
13	212	77
14	222	79
15	232	68
16	181	63
17	198	69
18	189	48
19	253	74
20	224	97
21	136	42
22	167	62
23	177	69
24	171	61
25	138	54
26	125	35

# GRAPH

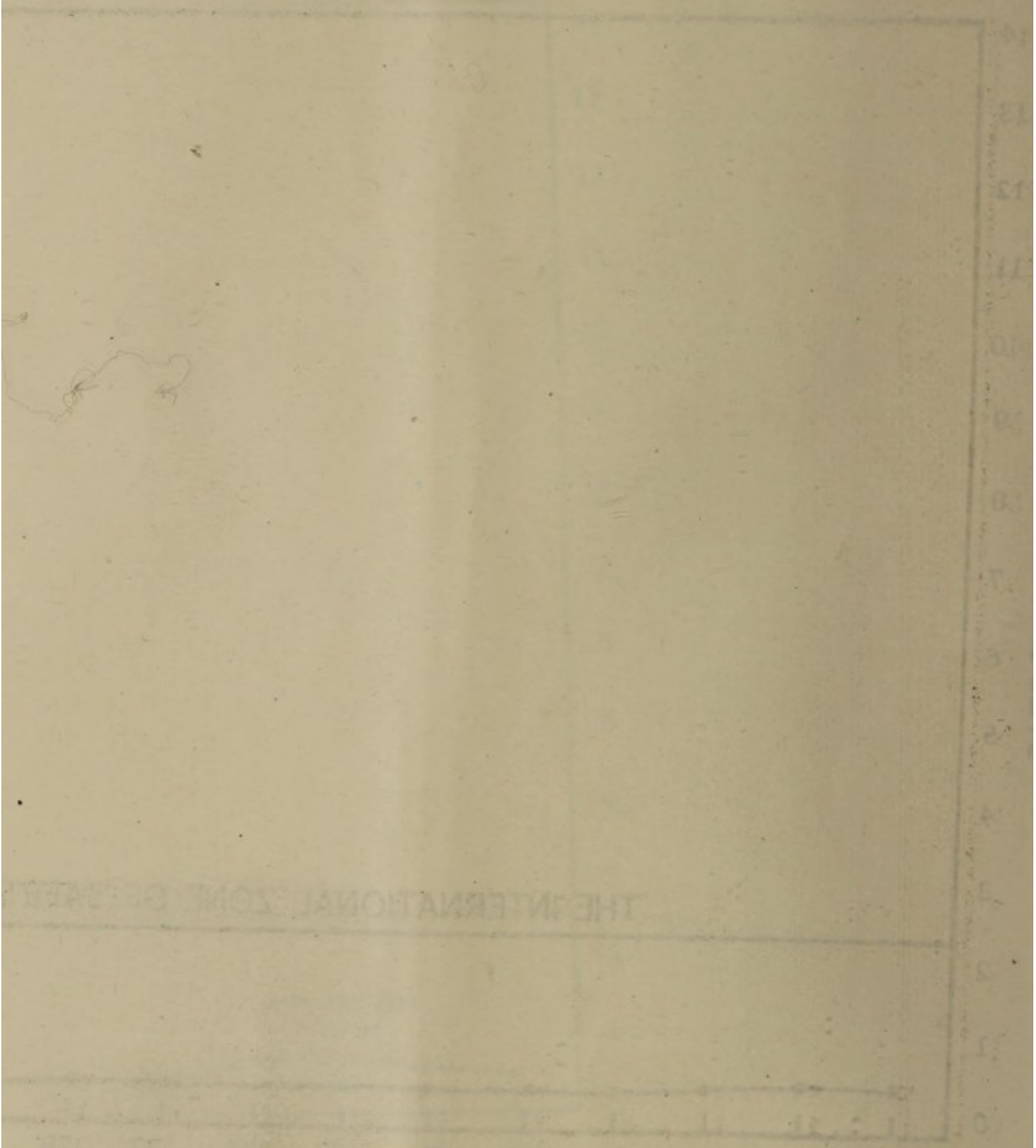
SHOWING STEGOMYIA HOUSE INDEX IN THE AREA ½ MILE AROUND THE MADRAS PORT  
PERIOD 1-1-41 TO 31-12-41





GRAPH

SHOWS THE ONLY HIGH WINDS IN THE AREA  
PERIOD 11-11 TO 11-11



THE INTERNATIONAL ZONE OF PACE

NUMBER OF WINDS PER HOUR

During the course of work the staff cleared away from the premises 94,792 old and unserviceable articles which would otherwise have become breeding places of mosquitoes after the rains.

*Public drains, cess-pools, etc.*—All covered and open drains ditch drains, cess-pools, gully traps, stagnant pits, low-lands, etc., in public places were petrolised once in a week. It may be mentioned that the new extension of storm water drains to relieve flooding of low-lands has considerably increased the petrolising work of the oil gangs. A mixture of liquid fuel and kerosene was used as a larvicide. Pyrocide mixture was also used where the larvicidal effect of the oil mixture was not great.

*River Cooum and Buckingham Canal.*—The Cooum river and the Buckingham Canal were looked after by a separate staff for removing all the weeds and moss. This helped the larvicidal fish to flourish and effectively control mosquito breeding. The pools and puddles on the edges of both the waterways were also oiled wherever necessary. *Piris-green* mixture was dusted to prevent the breeding of anopheline larvae.

*Low-lands.*—In addition to the reclamation of 5 ponds during the year, portions of low-lands next to Record Office, near Conran Smith Nagar, in Perambore tank, next to the slaughter houses and at the Mylapore burial ground, Kakathope, Kosapet Dispensary, Chaklipalayam, Ottery Dumping Ground Cheri, Vyasarpady Dispensary, Bunder Rama Naicken Garden and Ruthsundarapuram were also reclaimed.

*Malaria cases treated in Corporation dispensaries.*—During the year 9,001 malaria cases were treated in the several Corporation dispensaries as against 8,933 in 1940, 6,521 in 1939 and 17,697 in 1936 when the anti-malarial operations were commenced.

*Cases of enlarged spleen among Corporation school children.*—During the school year 1941-42, the medical inspection staff attached to the Corporation schools detected 6 cases of enlarged spleen due to malaria among children attending Corporation schools as against 9 in the previous year and 118 at the commencement of the anti-malarial operations in 1936.

The spleen rates amongst the children attending Corporation schools for 13 years from 1929-30 are given below:—

Years.	No. of children examined.	No. of children with enlarged spleen.	Spleen rate per cent.
1929-30	21,113	371	1.8
1930-31	25,342	327	1.3
1931-32	28,342	133	0.5
1932-33	27,506	96	0.4
1933-34	28,578	274	1.0
1934-35	29,737	229	0.8
1935-36	30,705	173	0.6
1936-37	29,376	118	0.4
1937-38	31,187	49	0.2



Years.	No. of children examined.	No. of children with enlarged spleen.	Spleen rate per cent.
1938-39	30,352	38	0.13
1939-40	29,142	27	0.09
1940-41	29,083	9	0.03
1941-42	23,310	6	0.03

The spleen rates above would show the utility of the anti-malarial operations. A close study of the return of positive malarial cases from hospitals and dispensaries in the city for paying particular attention to those divisions wherefrom cases were reported, the periodical inspection of the breeding places of *anopheles stephensi* and the preventive measures taken by the staff to control the breeding have all contributed to the effective control of mosquitoes in general and of the malaria carriers in particular in the city.

#### MEDICAL INSPECTION OF CORPORATION SCHOOLS, 1941-42.

*Staff*:—Four Medical Inspectors and two Medical Inspectresses continued to work during the year. The two ear, nose and throat clinics, at Mint Street and Chintadripet worked till the end of March 1942 after which they were abolished. Due to war scare, attendance in the schools began to fall gradually and the schools had to be closed on the 13th April 1942.

*Findings of medical inspection*:—The total number on rolls as it stood on 31-3-1942 in all the Corporation schools was 23,160 boys and 18,387 girls. 11,663 boys and 11,647 girls were examined during the year. The average attendance in the schools during the time of inspections was 10,451 boys and 10,712 girls. The percentage of children examined to the total number on rolls was 56.11. As stated before, the low percentage was due to a large number of children having left the city.

During the year under review 6,108 boys (52.37%) and 4,338 girls (37.25%) were ailing and required treatment. During the previous year the percentages of defectives were 52.47 among boys and 39.38 among girls. As the danger that threatened the city made many of the children leave the schools, no satisfactory comment regarding the improvement or otherwise on the health of the school children can be made.

*Cleanliness and condition of the scalp, body and nails*:—1,330 boys (11.40%) and 487 girls (4.18%) were found wanting in personal cleanliness. The school staff continued to pay attention to this and instructed the dirty children to bathe in the school premises.

*Malnutrition*:—1,658 boys (14.22%) and 157 girls (1.35%) were under-nourished as against 12.15% and 1.04% respectively in the previous year. Undernourishment was due to the poor quality of the food and ill-balanced nature of the diet. On the advice of the nutrition expert calcium lactate was added to the meals supplied to children in certain selected schools with a view to improve their nutritional condition. As an experimental measure 300 ill-nourished children were selected for this purpose and their weights and general condition noted periodically. Another group of a similar number of children was kept as control for purposes of comparison. The results should have been appraised after a period of 6 months at the first instance, but unfortunately conditions in the city became such that most of the children under investigation left the city and the investigation could not be completed.



*Teeth and mouth*:—2,221 boys (19·04%) and 1,013 girls (8·70%) had dental and oral complaints. The percentages for the previous year were 16·54 among boys and 9·07 among girls. 1,538 children had stomatitis and were treated at the dispensaries. 157 of the children having tartar teeth were advised scaling of tartar at the dental sections of hospitals. 1,071 were referred to the same sections for extraction of carious teeth or filling-up of cavities.

*Nose and throat*:—1,770 boys (15·18%) and 2,018 girls (17·33%) had diseases of the nose and throat. The corresponding percentages for the previous year were 15·04 among boys and 20·64 among girls. 2,391 children who had simple enlargement of tonsils without other complications were treated at the Corporation dispensaries. 894 had the same defect with complications and were advised removal early. 36 children having adenoids were also advised removal early. 199 children had enlarged glands of the neck and 281 had nasal catarrh. Suitable treatment was given to them.

*Eye diseases*:—374 boys (3·21%) and 344 girls (2·95%) had defects and diseases of the eyes. During the previous year the percentages of defectives were 3·57 among boys and 2·15 among girls. All the minor complaints of the eyes were treated at the Corporation dispensaries. 168 had conjunctivitis. 41 children having squint were referred to the eye hospital for correcting errors of refraction.

*Defective vision*:—24 boys (0·21%) and 15 girls (0·13%) had defects of vision, the corresponding percentages for the previous year being 0·44 and 0·25 respectively. 7 children having defects of a minor degree were advised to improve the general health and were given cod liver oil or other tonics. 32 were referred to the Ophthalmic hospital or eye sections of other hospitals for correction of vision.

*Ear diseases*:—178 boys (1·53%) and 133 girls (1·14%) had otitis, otorrhoea and other ear diseases, the corresponding percentages for the previous year being 2·46 among boys and 1·09 among girls. 83 children had otitis and 158 had otorrhoea. All except simple otitis cases were sent to the Honorary Medical Officers in charge of the E. N. T. clinics and to the Government hospitals when the clinics were abolished.

*Hearing*:—6 boys (0·05%) and 7 girls (0·06%) were short of hearing. The percentages for the previous year were 0·08 among boys and 0·08 among girls.

*Speech*:—20 boys (0·17%) and 12 girls (0·10%) had defects of speech as against 0·32% and 0·11% respectively in the previous year. 25 were stammerers and 6 had defects of articulation. One was dumb.

*Circulatory system*:—95 boys (0·81%) and 42 girls (0·36%) had diseases relating to heart and blood. The corresponding percentages during the previous year were 0·91 among boys and 0·26 among girls. Organic diseases of the heart were detected in 23 children while 21 had functional disorders. 83 had anaemia and were treated at the Corporation dispensaries.

*Tuberculosis*:—5 boys (0·04%) and 2 girls (0·02%) had signs and symptoms of early tuberculosis. The percentages during the previous year were 0·07 among boys and 0·08 among girls. Lectures and talks with the parents were continued during the year. Necessary treatment was given to them.



*Respiratory diseases:*—201 boys (1·72%) and 102 girls (0·88%) had bronchitis and other non-tubercular diseases of the lungs as against 2·02% and 0·95% respectively in the previous year. 285 children had bronchitis and 18 had bronchial asthma. They were treated at the local dispensaries with benefit.

*Abdominal organs:*—136 boys (1·17%) and 32 girls (0·27%) were found defective under this head. During the previous year 1·33% among boys and 0·11% among girls were defective. Only 8 children had enlarged spleen this year. Suitable treatment was given to them. The results are shown in the *following-up* statement. Cases of inguinal and umbilical hernia requiring operative treatment were directed to the Government hospitals.

*Bones and joints:*—498 boys (4·27%) and 35 girls (0·38%) had diseases of bones and joints. The corresponding percentages during the previous year were 3·23 among boys and 0·28 among girls. 513 had deformed chest of varying degrees. The details of defects are shown in a separate table.

*Nervous and psychic systems:*—35 boys (0·30%) and 11 girls (0·09%) had defects under this head. 0·18% of boys and 0·11% of girls were defective during the previous year. 15 children had infantile palsies while the rest had functional disorders.

*Infectious and contagious diseases:*—1,255 boys (10·78%) and 871 girls (7·48%) had infectious diseases including skin conditions. The corresponding percentages during the previous year were 9·21 among boys and 7·59 among girls. 1,108 children had scabies and 419 had signs of leprosy. 140 of the latter were new admissions and the rest were old cases already under treatment. The details of the work done in regard to this are given under a separate head. Children suffering from skin complaints were advised frequent baths at the schools.

*Other diseases and defects:*—650 boys (5·57%) and 320 girls (2·75%) had diseases and defects not included in the other items. The percentages for the previous year were 7·76 among boys and 2·51 among girls. 194 children had worms. 208 had phimosis and were advised circumcision.

*Deformities:*—40 boys (0·34%) and 35 girls (0·30%) had deformities. During the previous year the percentages of defectives were 0·32 among boys and 0·24 among girls. The details of the deformities are shown in the table.

*Number without marks of vaccination:*—174 boys (1·49%) and 44 girls (0·38%) had no visible marks of vaccination. They were subsequently vaccinated. In addition the Medical Inspectors re-vaccinated 3,137 children in the schools. 4,608 children were given protection against typhoid by inoculation.

*Medical treatment:*—Minor ailments were treated at the Corporation dispensaries while more serious cases were referred to the Government hospitals for institutional treatment. As many children as were within the reach of the E. N. T. clinics were sent to the Honorary Medical Officers. In other cases they were directly sent to the E. N. T. sections of Government hospitals. 8,146 children were treated at the Corporation dispensaries and their proper attendance was supervised by the school staff. The details of the number of children sent to other institutions are shown in the treatment table. As mentioned in previous years' reports leper children were treated at the local dispensaries and the Royapuram skin clinic after examination at the skin clinic, Ice House Road.



*Leprosy*:—419 children having signs and symptoms of leprosy were detected and treated during the year. The decrease is due to a large number of children having evacuated the city. The percentage of defectives was 1·80 as against 1·63 in the previous year. 140 were entrants and 279 were old cases already under treatment. Their parents have been advised. The scheme adopted last year for affording treatment was continued during the year under report.

The distribution of the disease according to sex was as follows:—

Group.	No. Defective.	Percentage to the total examined.	Percentage to the total of leprosy cases.	Remarks.
Boys ...	345	2·96	82·34	
Girls ...	74	0·64	17·66	
Total ...	419	1·80	100·00	

Subsequent *following-up* revealed the following results. In 3 children the disease was arrested after a prolonged course of treatment. There was considerable improvement in 30 children. 22 were indifferent in spite of repeated advice and persuasion. One of the cases was a lepromatous case and has been admitted in the Lady Wellington Leprosy Sanatorium, Chingleput. 116 left the schools after detection and could not be traced. Children who passed out and joined other institutions were advised to continue the treatment.

*Re-inspection and following-up work*:—218 re-visits were paid to the schools in addition to the routine annual visits to find out the improvements effected in the health of the children and also to make the school staff continue the *follow-up* work. 7,934 re-examinations of children were conducted. Most of the children were found to have left the city. The details of the results are given in the form of a statement, a summary of which is given below.

331 children regained normal health after treatment. 184 children had their carious teeth extracted while 478 having stomatitis were cured. 70 children had their tonsils and adenoids removed by operation. 8 children had their vision corrected by wearing glasses. 670 children having skin affections such as scabies, eczema, etc., were cured after treatment and attention to personal hygiene. 33 children underwent circumcision operation for phimosis.

*Co-operation of parents*:—3,678 parents were present during or after the examination of their children to receive advice.

*Co-operation of teachers*:—The school staff continued to co-operate with the Medical Inspectors in following up the inspection work. A separate list of the leper children was maintained in the schools and the attendance at the centres checked.

*School sanitation*:—Special attention was directed towards the improvements of the sanitary condition of the school buildings and their surroundings. Suggestions were given for suitable improvements. In 11 schools change of premises was suggested as no improvement was possible.



*School latrines:*—120 of the schools inspected had flush-out type of latrines. In 17 schools the latrines were of the hand conserved type. Recommendations were made to have these converted to the flush-out type where it was possible.

*Play ground:*—39 schools required playground accommodation.

*Water supply:*—Sufficient water supply has been ensured for the schools. Strained tap water was supplied to the children for drinking.

*School equipment:*—Every school had adequate furniture and equipment.

*School baths:*—53 of the schools inspected had bathing facilities for the children. Dirty children utilised them during the recess hours.

*Mid-day meals:*—In 99 schools, 6,450 children were provided with meals every day. The Medical Inspectors supervised the arrangements made for the preparation and distribution of meals.

*Propaganda:*—136 lectures and 130 talks on health subjects were conducted in the schools by the Medical Inspectors. The total attendance at these was about 11,911.

## REPORT OF THE WATER ANALYST FOR 1941

### I. Introduction

The water supply to the city, though unsatisfactory from the aesthetic point of view, continued to be *safe* epidemiologically. No change in the system of filtration, about which reference has been made in the report for last year, was effected during the year due to the great world war.

### II. Scientific

A. The number of samples examined for various purposes is shown in Table No. II. This year's total compared with that of the previous year would show an increase due to increased work for war purposes.

B. Observations on the physical, chemical, and bacteriological conditions of the sources of the city water supply:—

(a) *Sholavaram Lake:*—The total rainfall in this region was 59.93 inches as against 58.84 inches in 1940. The depth of water was found to be maximum in November and lowest in September.

The organic content as represented by Tidy's test was found to vary from a minimum of 0.102 part in February to a maximum of 0.331 part per 100,000 in August.

The bacterial quality of the lake water was poor almost throughout the year, *coliform bacteria* being present in quantities varying from 1.0 c.c. to 60 c.c.



(b) *Red Hills Reservoir (Jones Tower)*:—The total rainfall recorded in the catchment area of this reservoir was 74·02 inches as against 51·27 inches in 1940.

The level of water was found to decrease gradually from January to September when it was lowest and thereafter to increase till the maximum was reached in December.

The figures for oxidisable organic matter varied from a minimum of 0·096 part in January to a maximum of 0·219 part per 100,000 in May (Table No. III).

Bacteriologically, the lake water was of highest purity in February and of very poor quality in July (Table No. IV).

(c) *Raw water after rough filtration at Red Hills*:—Samples collected from this place represent the water just before its entry into the covered conduit which carries the water to the works at Kilpauk. They resembled generally the samples drawn from the lake near Jones Tower.

(d) *Raw water, Kilpauk end of the raw water conduit (prior to sand filtration)*:—The seasonal variations in some of the important chemical constituents of the raw water are shown in Table No. III. Ammonical nitrogen was highest in June and lowest in March and April. Albuminoid nitrogen was found to be highest in September and lowest in November.

Bacteriologically the raw water was of varying quality being of highest purity in July.

### III. Works efficiency

(a) *Filtration*:—As in last year, there were 17 sand filters, each filter containing only a few inches of sand. Of these 9 to 10 beds were working at a time with no fixed rate of filtration. A maximum of 27·0 m. g. d. was filtered in October and a minimum of 20·16 m. g. d. in February (Table No. V).

(b) *Bacteriological and chemical examination of filtered water*:—Table No. III contains some of the important chemical results of the mixture of unchlorinated filtered water. It will be seen therefrom that the organic content (Tidy's) was highest in August and lowest in December. The percentage reduction of organic matter over raw water was found to be highest in January and lowest in September (Table No. VI).

Bacteriologically, the mixture of filtrates was of very poor quality (Table No. IV).

(c) *Chlorination*.—The maximum, minimum and mean dose of chlorine applied to the mixture of filtrates are shown in Table No. V. The dosage of chlorine was found to vary during different seasons of the year. A maximum of 1·37 p. p. m. was added in September and a minimum of 0·92 p. p. m. was added in March and April. The quantity of chlorine used and its cost are also shown in the above table.

(d) *Bacteriological and chemical examination of filtered water after chlorination (Test tap samples)*:—The percentage of samples containing



no *coliform bacteria* in 60 c.cs. was highest in February, March and November and lowest in August (Table No. IV).

The figure for oxygen absorbed was highest in July and lowest in November (Table No. III).

(e) *Distribution system*:—*Coliform bacteria* were absent in 100 per cent of the samples in February (Table No. IV).

Chemically the figures for oxygen absorbed were found to be highest in July and lowest in January (Table No. III).

The percentage reduction of organic matter (Tidy's) over raw water was found to be maximum in January and minimum in July (Table No. VI).

S. V. GANAPATI, B.A., M.Sc., A.I.C.,  
*Water Analyst, C. M.*

#### REPORT OF THE PUBLIC ANALYST FOR THE CITY OF MADRAS FOR 1941

During the year ended 31st December 1941, I continued as the Public Analyst for the city of Madras for the whole year except for one month from 6th October 1941 to 5th November 1941, during which period I was on leave. During my absence on leave, my assistant, Mr. S. Sundaram, B. Sc. (Hons.), officiated as the Public Analyst for the city. Mr. S. Sundaram continued as my assistant for the year except during the period when he officiated as the Public Analyst.

The main work in the Public Analyst's Laboratory, as in previous years, consisted of the analysis of samples of food under the Madras Prevention of Adulteration Act, 1918.

During the year ended 31st December 1941, the number of samples analysed in the laboratory under the Madras Prevention of Adulteration Act, 1918, was 1,990 as compared with 1,871 in the previous year. The number of samples analysed in the laboratory during the year under report exceeded the number of samples analysed in any previous year since 1930, when the Corporation began to take samples. Of the 1,990 samples analysed, 1,506 samples were found to be genuine and the remaining 484 samples were reported as adulterated. The percentage of adulterated samples calculated on the total number of samples analysed was 24.3 against 31.0 in the previous year.

The samples consisted of ghee, butter, milk, gingelly oil, ground-nut oil, cocoanut oil, coffee powder, tea, ghee substitutes, coffee seeds, chicory and other articles. A statement of the samples analysed and of the results of analysis during the year under report and seven previous years is given in Table No. I in the Appendix.

It would be seen from the table that the percentage of adulterated samples during the year under report was 24.3 against 31.0 in 1940, 30.1 in 1939 and 30.4 in 1938. For three years prior to the year under report the percentage of adulteration had been maintained at about 30. During the



year under report a comparatively low figure of 24.3 has been recorded, showing that there has been a marked improvement in the quality of food-stuffs sold in the city. Ghee and butter have improved considerably in quality and the adulteration in the case of milk and gingelly oil has been maintained at about the previous year's level. The adulteration of gingelly oil continues to be low and the quality of coffee powder and tea continues to be good. The adulteration in the case of ground-nut oil invariably consists in the sale of mixtures of gingelly oil and ground-nut oil to Food Inspectors as ground-nut oil probably under the mistaken belief that the vendors could escape prosecution thereby. There is no doubt that such mixtures are intended to be sold to the general public as gingelly oil, which is costlier than ground-nut oil. The position with regard to this kind of offence has also shown some improvement.

The position relating to ghee calls for special comment. Table No. I shows the percentage of adulteration of ghee during 1941 to be 39.3. The following table shows the results of analysis of ghee samples taken from established shops and street hawkers:

	No. of samples.	No. adulterated.	Percentage of adulterated samples.	Average degree of adulteration in the adulterated samples.
I. Established shops	476	48	10.1	50.4 per cent
II. Street hawkers	230	230	100.0	86.4 „

It will be seen from the above that only 10.1 per cent of the ghee samples taken from the shops were adulterated, whereas the hawkers did not sell even a single genuine sample of ghee. The average degree of adulteration of the hawkers' samples was 86.4 per cent.

The details regarding the various articles analysed during the year under report are given below:—

*Ghee*:—706 samples were analysed, of which 492 were declared by vendors as ghee and 214 as low quality ghee or adulterated ghee. Of the 492 samples sold as ghee, 64 were adulterated and of the other 214 samples, all were adulterated, most of these having been bought or seized from street hawkers. Sale of adulterated ghee is prohibited even if declared so by the vendors.

The adulterants used were almost entirely hydrogenated oils of varying degrees of hardening and the degree of adulteration varied from 10 to 100 per cent.

*Butter*:—94 samples were analysed and 32 were certified as adulterated. Of the adulterated samples, 27 contained water in excess of the prescribed limit of 20 per cent but no foreign fat, 3 samples contained both excess water and foreign fat and the remaining 2 contained water within the prescribed limit but were adulterated with foreign fat.

*Milk*:—283 samples were analysed. Of these, 212 were declared as cow's milk, 67 as buffalo's milk and 4 as mixtures of the two.

Of the 212 samples of cow's milk, 59 contained added water. Of these 59, 40 samples were certified on the basis of deficiency in solids-not-fat



(limit 8.5 per cent) and in the case of 19 samples having solids-not-fat in the neighbourhood of or above 8.5 per cent, added water was certified on the basis of the freezing point (Hortvet).

1 sample was deficient in milk-fat, but contained no added water.

Of 67 samples of buffalo's milk, 25 were certified to contain added water, of which 10 were certified on the basis of deficiency in solids-not-fat (limit 9.0 per cent) and the remaining 15 on the basis of freezing point (Hortvet).

4 samples declared as mixtures of cow's and buffalo's milk were examined. 3 samples were genuine and 1 sample was certified to contain added water on the freezing point test.

*Gingelly oil*:—657 samples were analysed. 51 samples were certified to be adulterated with ground-nut oil. Of these, 1 sample was 100 per cent ground-nut oil and the extent of adulteration in the remaining adulterated samples varied from 10 to 98 per cent.

*Ground-nut oil*:—153 samples declared by vendors as ground-nut oil were analysed. Of these, 4 samples were 100 per cent gingelly oil, 24 samples contained gingelly oil, varying from 10 to 90 per cent and the remaining 125 samples were genuine ground-nut oil.

*Cocoonut oil*:—One sample was examined and was found to be adulterated with 25 per cent of ground-nut oil.

*Coffee powder*:—48 samples were examined and one sample was found to be adulterated with roasted and powdered Bengal gram.

*Tea*:—29 samples were analysed and all were found to be genuine.

*Ghee substitutes*:—8 samples of ghee substitutes were analysed. 5 of these consisted of 100 per cent hardened vegetable oils. The remaining three contained butter-fat varying from 10 to 40 per cent and hence certified as adulterated since the sale of mixtures of ghee and foreign fat is prohibited.

*Other articles*:—4 coffee seeds were examined for artificial colouring matter and glazing substances and were found to be free from these.

1 sample of chicory was examined and was found to be genuine.

3 samples of *Kusumba* (Safflower) oil were examined. One of these was genuine, one was adulterated with 95 per cent gingelly oil and the third with 95 per cent ground-nut oil.

One sample described as *mattam* mixed oil consisted of 55 per cent gingelly oil and 45 per cent ground-nut oil, one sample described as *mattam* oil proved to be 100 per cent gingelly oil and another sample described as mixture of gingelly oil and ground-nut oil consisted of a mixture of 15 per cent gingelly oil and 85 per cent ground-nut oil.



Besides the samples dealt with above, 12 informal samples were examined in the laboratory during the year under report. The articles examined and the reports made thereon are given below:—

<i>Articles examined.</i>	<i>Report.</i>
Three samples of ghee sent by the Health Department. }	All genuine.
One sample of gingelly oil from the Corporation General Stores. }	Genuine.
One sample of curd from the Corporation Education Department suspected of adulteration with flour. }	No extraneous substance present.
One sample of wheat bran from the Health Department. }	Genuine.
One sample of peas from the Health Department. }	Infested with insects and unfit for human consumption.
Two samples described as 10 Vol. sol. of Hydrogen Peroxide. }	Both samples contained only traces of Hydrogen Peroxide.
Two samples of mineral oil from the Electrical Department. }	Reported free from fixed oils.
One tender sample of cod liver oil from the Health Department. }	Adulterated with 65 per cent of ground-nut oil.

A statement of the adulterated samples of 1941 and the adulterated samples of the previous year pending disposal on 1st January 1941 is given in Table No. II.

The total number of adulterated samples dealt with during the year under report was 532, of which 484 samples had been analysed during 1941 and remaining 48 were samples of the previous year pending disposal on 1st January 1941. Out of 532 adulterated samples, in the case of 230 samples the articles were seized and forfeited to the Corporation under Sections 9 to 12 of the Act without prosecution of the vendors. The bulk of these samples was from street hawkers of ghee. In the case of 8 samples, the vendors were not prosecuted, prosecutions were withdrawn or vendors were acquitted. In the case of 53 samples action was pending on 31st December 1941. In the case of the remaining 241 samples, the vendors were convicted.

The total number of convictions during 1941 was 241 as compared with 260 in the previous year. The total fines imposed in 1941 amounted to Rs. 6,124 against Rs. 6,888 in 1940. The average fine per conviction during 1941 was Rs. 25 against Rs. 26 during 1940

The Act provides for a maximum fine of Rs. 100 for the first conviction and a maximum fine of Rs. 500 for subsequent convictions. The convictions during the year include several second or subsequent convictions



and therefore the average fine of Rs. 25 should be considered extraordinarily low. When it is remembered that the Act has been in force for the last 12 years, such low fines as have been imposed by the Magistrates during the year 1941 are to be considered far from deterrent.

It is needless to add that unless sufficiently deterrent fines are imposed, adulteration of such vital articles of food as milk, butter, ghee, etc., cannot be suppressed effectively. The public do not generally understand what this reprehensible practice of adulteration of vital foods means to them. Apart from the illicit profits of the vendors, the necessity of maintaining good and wholesome quality of vital foods is of paramount importance.

Before concluding this report, mention should be made of an important decision by the Madras High Court in an appeal preferred by a milk vendor of Madras City against his conviction by the Magistrate for sale of milk containing added water. The vendor sold what he described as cow's milk. The milk on analysis satisfied the presumptive standards laid down by the Act for milk-fat and milk-solids other than milk-fat, namely, 3.0 and 8.5 per cent respectively. The sample, however, gave a freezing point of  $-0.470$  degree Centigrade, on the basis of which it was certified to contain 11 per cent added water by the Public Analyst for the Corporation of Madras. It was contended on appeal that there was no standard for freezing point in the Act and since the sample satisfied the presumptive standards laid down in the Act, the Public Analyst ought to have certified the sample genuine. The High Court upheld the procedure adopted by the Public Analyst on the ground that a Public Analyst was within his rights in having recourse to a direct analytical evidence of added water in milk such as the one provided by a determination of the freezing point even though the sample satisfied the presumptive standards laid down in the Act and confirmed the conviction of the vendor by the lower court.

V. VENKATACHALAM, M.A., A.I.C.,

*Public Analyst, C.M.*



Showing births registered by divisions during 1941.

1	2	3		4		5		6	7	8	9		10				
		Males.	Females.	Total.	No. of Births registered.	Males.	Females.				Total.	Ratio of Births per 1000 of population.		Excess of births over deaths per 1000 of population.	Excess of deaths over births per 1000 of population.	Males.	Females.
	Districts.	Population according to the Census of 1941.		No. of Births registered.		Ratio of Births per 1000 of population.		Number of Males born to every 100 Females born	Excess of births over deaths per 1000 of population.	Excess of deaths over births per 1000 of population.	Mean Ratio of Births per 1000 during previous five years.		Still-Births.				
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	Total.	407,502	369,979	777,481	16,852	15,918	32,770	41.11	43.02	42.15	105.9	6.51	...	46.84	49.73	48.21	1,237



VITAL STATISTICS.

STATEMENT No. II.

Showing births registered during each month in 1941.

1	2	3												4
		January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	November.	December.	
Divisions.	Districts.													Total Births registered in 1941.
1		45	36	49	47	49	71	61	70	60	72	48	66	674
2		35	32	37	46	36	76	61	59	54	68	50	51	605
3		98	102	101	102	89	158	161	133	135	167	150	188	1584
4		91	82	82	106	141	113	134	103	120	149	121	138	1380
5		110	84	86	132	103	109	152	122	116	125	124	126	1389
6		93	24	25	35	37	31	24	30	23	26	31	47	356
7		36	43	49	72	61	60	57	56	66	86	62	65	713
8		22	18	14	27	21	26	27	29	23	30	35	31	303
9		39	45	37	45	52	58	57	41	50	59	56	69	608
10		22	25	28	35	38	45	38	26	39	47	45	45	433
11		46	40	51	72	72	74	58	91	59	74	61	64	742
12		21	23	23	32	39	28	28	31	33	38	26	21	343
13		74	60	79	98	86	80	101	95	107	114	93	90	1077
14		44	41	43	51	63	51	56	76	81	70	65	72	713
15		26	24	20	34	33	34	33	36	26	38	26	40	370
16		18	30	34	35	39	38	47	56	47	53	56	44	497
17		82	75	73	101	95	128	124	129	116	144	120	138	1325
18		61	59	45	62	82	66	87	90	76	77	76	100	881
19		106	90	117	105	142	115	109	115	140	161	101	124	1425
20		82	85	60	60	88	90	111	92	70	94	71	70	973
21		61	47	59	73	73	81	99	98	85	92	94	87	949
22		35	45	47	44	52	64	73	47	60	77	42	71	657
23		80	60	60	70	88	67	74	68	70	88	78	88	891
24		34	26	36	46	52	46	42	44	32	55	48	65	546
25		60	47	40	74	74	71	81	73	63	80	78	67	808
26		77	57	63	64	76	67	73	89	83	89	80	88	906
27		84	86	70	95	98	86	98	94	90	109	107	130	966
28		50	38	43	41	69	58	58	65	57	64	61	52	656
29		28	32	32	36	46	36	46	47	46	49	53	45	491
30		43	48	47	69	82	62	67	80	62	83	72	79	794
31		77	66	75	73	109	92	100	111	101	105	107	105	1121
32		72	81	61	90	104	98	99	99	90	98	93	86	1071
33		46	29	53	47	54	43	44	57	44	72	48	72	609
34		56	45	48	46	70	56	61	81	57	66	58	85	729
35		67	97	103	113	148	118	166	156	182	152	150	167	1665
36		48	48	48	56	82	50	87	83	78	93	82	102	881
37		41	39	65	49	66	79	77	98	93	103	84	106	901
38		47	39	36	53	60	57	48	50	58	57	68	56	629
39		34	46	31	47	54	45	42	42	46	59	44	59	549
40		26	22	18	30	22	33	27	45	46	44	34	42	389
Total		2,212	2,011	2,094	2,493	2,345	2,760	2,988	3,007	2,904	3,327	2,898	3,231	32,770



Showing deaths registered by divisions during 1941.

STATEMENT No. III.

1	2	3	4	5		6		7	8											9		10												
				Districts.	Area in acres.	Density per acre.	Population according to the Census of 1941.		No. of deaths registered.		Deaths for 1000 of population from.											All Causes.		Mean Ratio of deaths per 1000 during previous 5 years.										
Divisions.				Males.	Females.	Total.	Males.	Females.	Total.	Cholera.	Small-pox.	Measles.	Plague.	Malaria.	Enteric.	Other fevers.	Dysentery and Diarrhoea.	Tuberculosis.	Other Respiratory Diseases.	Injuries.	Deaths from child birth.	All other causes.	Males.	Females.	Total.	Males.	Females.	Total.						
1		1674.11					382	358	740																									
2		284.42					219	244	463																									
3		283.52					520	561	1081																									
4		335.94					672	605	1277																									
5		853.06					207	194	401																									
6		98.94					297	258	555																									
7		91.97					122	131	253																									
8		204.80					279	253	532																									
9		67.26					216	169	385																									
10		80.00					448	387	835																									
11		95.42					157	174	331																									
12		66.50					490	492	982																									
13		149.25					334	322	656																									
14		98.11					692	313	1005																									
15		217.66					208	198	406																									
16		69.76					591	591	1182																									
17		1339.58					600	620	1220																									
18		1224.13					352	373	725																									
19		220.40					397	402	799																									
20		334.91					478	452	930																									
21		747.20					202	173	375																									
22		558.98					423	355	778																									
23		362.69					242	198	440																									
24		126.72					306	320	626																									
25		88.58					341	345	686																									
26		203.58					192	232	424																									
27		491.66					291	298	589																									
28		863.68					206	222	428																									
29		884.54					360	342	702																									
30		143.23					478	436	914																									
31		736.70					287	293	580																									
32		191.81					271	242	513																									
33		112.64					320	308	628																									
34		89.02					706	781	1487																									
35		679.68					342	332	674																									
36		535.10					363	336	699																									
37		1052.61					196	235	431																									
38		1152.00					201	202	403																									
39		275.14					159	156	315																									
40		1725.14					14,169	13,541	27,710																									
Total		18813.44	41.3	4,07,502	3,69,979	7,77,481	14,169	13,541	27,710	...	0.006	0.0001	...	0.04	0.27	2.96	4.94	0.74	8.39	0.31	8.69	17.63	3.17	36.59	35.64	39.36	42.04	40.67						



VITAL STATISTICS.

STATEMENT No. IV.

Showing deaths registered by divisions during each month in 1941.

1 Divisions.	3												4 Total Deaths registered during 1941.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
1	83	63	60	47	59	56	54	59	34	56	76	93	740
2	50	39	28	50	29	39	46	20	30	33	39	60	463
3	127	90	79	83	92	84	63	69	77	89	89	139	1,081
4	119	91	102	103	113	99	105	104	80	99	105	140	1,260
5	133	111	102	94	111	86	103	80	80	107	103	167	1,277
6	45	45	43	29	42	28	24	27	23	28	27	40	401
7	48	46	40	52	49	50	47	32	39	54	37	61	555
8	21	16	13	17	28	21	19	25	22	16	30	25	233
9	52	40	49	42	49	40	39	35	37	36	43	50	532
10	32	22	28	23	42	30	29	25	36	34	42	42	385
11	84	61	66	66	64	65	67	28	55	61	82	102	835
12	37	22	29	16	32	16	27	28	19	36	32	37	331
13	88	68	93	81	80	64	84	68	71	84	98	103	982
14	50	55	48	95	56	51	58	56	47	63	52	72	656
15	97	68	84	95	86	79	81	85	60	80	91	99	1,005
16	37	26	29	30	37	29	30	35	36	32	42	43	406
17	112	79	104	89	101	88	106	78	91	115	86	133	1,182
18	66	54	52	60	67	59	65	52	63	72	53	82	725
19	117	114	99	94	106	103	111	82	89	119	91	95	1,220
20	92	67	60	57	72	57	65	67	48	60	67	87	799
21	94	67	78	75	78	76	87	86	64	82	75	67	930
22	34	29	26	29	35	38	38	33	19	33	39	32	375
23	81	70	64	58	70	57	69	55	35	60	67	92	778
24	44	34	19	33	30	35	40	36	38	36	46	49	440
25	50	45	31	53	59	60	54	54	49	47	58	66	626
26	82	44	41	60	57	60	60	55	39	74	54	60	686
27	30	32	22	36	38	37	33	29	31	35	45	56	424
28	69	43	36	34	56	56	51	38	53	63	41	49	589
29	43	28	34	26	33	32	38	37	33	29	54	41	428
30	82	54	43	43	69	56	71	60	54	46	45	74	702
31	86	80	71	70	79	74	73	71	61	82	72	95	914
32	56	42	50	42	59	36	57	59	38	42	36	63	580
33	59	36	37	53	46	41	40	39	27	40	29	66	513
34	56	46	61	54	46	48	47	46	56	60	50	58	628
35	150	111	117	132	145	121	129	110	103	107	112	150	1,487
36	58	44	41	40	52	59	67	49	52	61	66	85	674
37	57	49	43	59	75	58	65	55	59	52	59	68	699
38	41	34	25	37	40	33	54	27	42	24	33	41	431
39	42	30	31	43	39	28	28	33	24	36	39	40	403
40	23	25	25	20	27	29	30	20	25	28	30	33	315
Total	2,737	2,120	2,104	2,178	2,448	2,178	2,352	2,083	1,919	2,331	2,315	2,955	27,710



VITAL STATISTICS.

STATEMENT NO. V.

Showing deaths registered according to class by divisions in 1941.

Divisions.	Population as per Census of 1941.					Number of deaths registered among						Ratio of deaths per 1,000 of population.											
	1	2	3			4			5			Europeans.	Anglo-Indians.	Indian Christians.	Hindus.	Muhammadians.	Others.	Total.					
		Districts.	Europeans.	Anglo-Indians.	Indian Christians.	Hindus.	Muhammadians.	Others.	Total.	Europeans.	Anglo-Indians.	Indian Christians.	Hindus.	Muhammadians.	Others.	Total.	Europeans.	Anglo-Indians.	Indian Christians.	Hindus.	Muhammadians.	Others.	Total.
1			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
35			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
37			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
38			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			235	1,922	23,083	3,151	4	27,710	35.64	...	...	...	...	...	...	...	...	...	...	...	...	...	...



VITAL STATISTICS.

STATEMENT No. VI.

Showing deaths registered according to age by divisions in 1941.

1	2	3		4		5		6		7		8		9		10		11		12	
		Under 1 year.		1 year and under 5 years.		5 years and under 10 years.		10 years and under 15 years.		15 years and under 20 years.		20 years and under 30 years.		30 years and under 40 years.		40 years and under 50 years.		50 years and under 60 years.		60 years and upwards	
Divisions.	Districts.	Males.		Females.		Males.		Females.		Males.		Females.		Males.		Females.		Males.		Females.	
		1		84	76	64	18	6	5	21	22	31	31	40	28	32	19	103	89		
2		62	53	42	10	5	7	11	7	11	22	13	16	18	18	44	48				
3		154	133	116	19	28	18	19	9	19	49	31	49	38	31	27	93	85			
4		168	148	137	32	9	8	37	5	20	58	31	49	55	40	36	101	132			
5		158	154	126	21	9	7	37	16	16	58	50	48	63	30	58	135	104			
6		58	40	41	12	4	2	11	29	15	15	20	13	17	15	28	28				
7		90	57	41	54	7	4	19	7	4	27	18	13	33	18	28	17	54	56		
8		26	28	15	18	5	3	2	5	1	6	7	22	13	9	28	24				
9		67	61	33	7	5	4	11	11	4	27	17	24	30	16	19	22	53	49		
10		54	46	26	35	4	6	22	7	6	17	15	24	5	5	22	9	37	26		
11		78	65	53	68	8	6	54	16	16	44	63	37	63	31	49	36	68	74		
12		40	45	16	24	5	3	7	7	1	14	13	17	23	14	18	15	31	33		
13		160	106	87	102	10	8	17	10	8	30	29	34	35	32	24	90	88			
14		91	70	62	72	13	5	15	14	5	33	22	19	17	20	69	61				
15		57	44	56	40	24	21	106	21	22	39	102	33	135	85	25	82	37			
16		59	45	44	34	6	4	13	5	24	22	12	8	12	9	36	45				
17		186	162	155	29	6	10	26	14	10	34	29	55	31	20	38	21	81	106		
18		80	94	70	82	11	7	20	27	4	20	27	27	26	20	23	12	77	80		
19		162	147	142	157	32	11	10	18	6	25	28	35	36	30	55	35	94	91		
20		105	94	77	76	14	7	7	10	6	19	52	29	32	31	31	20	82	81		
21		106	102	89	105	17	11	41	10	4	10	36	44	36	28	38	29	82	89		
22		50	46	31	30	5	4	3	6	4	10	17	14	13	7	15	16	41	32		
23		114	91	81	72	13	5	7	15	7	17	14	13	17	15	16	41	32			
24		59	38	50	38	8	4	3	12	2	30	37	21	31	31	44	13	79	60		
25		86	79	61	64	13	5	17	12	5	25	20	14	21	13	17	10	47	42		
26		94	71	59	79	18	15	7	15	4	19	18	19	29	15	22	19	54	64		
27		75	58	44	44	4	4	3	4	4	15	36	21	26	17	20	21	56	53		
28		93	70	63	69	6	5	5	4	2	7	34	4	26	15	12	18	25	15		
29		43	56	38	26	43	6	13	13	4	10	15	15	23	13	19	17	52	64		
30		86	80	65	53	6	6	4	10	8	14	15	12	8	12	23	7	55	66		
31		128	92	84	90	13	10	30	13	18	35	32	34	38	19	34	29	104	104		
32		99	84	52	43	6	7	16	8	3	33	9	23	23	13	19	17	52	64		
33		57	56	59	46	12	3	11	11	3	18	13	13	19	9	28	17	62	59		
34		82	88	56	54	11	4	4	8	9	14	18	15	15	15	25	15	50	50		
35		200	195	132	161	16	16	17	17	9	29	23	13	23	16	32	20	60	57		
36		89	69	55	62	13	12	42	8	24	33	32	28	28	34	38	19	34	29		
37		119	90	68	67	7	6	13	16	4	30	28	37	21	29	21	29	21	29		
38		49	60	45	48	6	4	7	2	4	14	20	24	28	23	10	67	69			
39		52	49	42	41	5	3	9	4	4	11	22	17	24	28	23	10	63	67		
40		45	40	28	31	10	1	6	4	3	7	17	11	14	11	16	10	43	48		
	Total.	3665	3182	2634	2674	514	498	218	236	241	462	928	1346	963	1019	1290	798	1148	778	2568	2548
	Ratio Per 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...







Showing deaths registered from Enteric fever registered by divisions during each month in 1941.

1	2	3												4			5			6				
		Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Males.	Females.	Total.	Males.		Females.	Total.	Ratio of deaths per 1000 of population.	Mean Ratio per 1000 during previous five years.
1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total ...		5	14	22	20	15	24	13	16	9	16	16	36	114	92	206	0.28	0.25	0.27	0.26				











VITAL STATISTICS.

STATEMENT No. XII.

Showing deaths from Tubercle including Tubercle of lungs registered during each month in 1941.

1	2	3												4			6			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Males.	Females.	Total.				
Divisions.	Districts.													Ratio of deaths per 1,000 of population.			Mean Ratio per 1000 during previous five years.			
														Males.	Females.	Total.				
1		4	...	1	...	1	...	1	...	2	...	3	...	2	...	10	5	15	15	
2		1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	2	3	3	
3		4	...	1	...	1	...	1	...	1	...	1	...	1	...	7	3	10	10	
4		1	...	1	...	1	...	1	...	2	...	1	...	1	...	9	14	23	23	
5		1	...	1	...	1	...	1	...	1	...	1	...	1	...	14	6	20	20	
6		1	...	1	...	1	...	1	...	1	...	1	...	1	...	3	7	10	10	
7		1	...	1	...	1	...	1	...	1	...	1	...	1	...	6	6	12	12	
8		7	...	1	...	1	...	1	...	1	...	1	...	1	...	5	7	12	12	
9		1	...	1	...	1	...	1	...	1	...	1	...	1	...	10	12	22	22	
10		5	...	1	...	1	...	1	...	1	...	1	...	1	...	7	2	9	9	
11		1	...	1	...	1	...	1	...	1	...	1	...	1	...	20	13	33	33	
12		1	...	1	...	1	...	1	...	1	...	1	...	1	...	3	3	6	6	
13		6	...	1	...	1	...	1	...	1	...	1	...	1	...	9	14	23	23	
14		1	...	1	...	1	...	1	...	1	...	1	...	1	...	2	2	4	4	
15		1	...	1	...	1	...	1	...	1	...	1	...	1	...	12	5	17	17	
16		1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	1	
17		1	...	1	...	1	...	1	...	1	...	1	...	1	...	15	...	19	19	
18		2	...	1	...	1	...	1	...	1	...	1	...	1	...	10	5	15	15	
19		8	...	1	...	1	...	1	...	1	...	1	...	1	...	15	21	36	36	
20		3	...	1	...	1	...	1	...	1	...	1	...	1	...	9	11	20	20	
21		1	...	1	...	1	...	1	...	1	...	1	...	1	...	11	1	12	12	
22		1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	1	2	2	
23		1	...	1	...	1	...	1	...	1	...	1	...	1	...	5	2	7	7	
24		1	...	1	...	1	...	1	...	1	...	1	...	1	...	10	7	17	17	
25		2	...	1	...	1	...	1	...	1	...	1	...	1	...	7	4	11	11	
26		2	...	1	...	1	...	1	...	1	...	1	...	1	...	7	4	11	11	
27		2	...	1	...	1	...	1	...	1	...	1	...	1	...	5	2	7	7	
28		2	...	1	...	1	...	1	...	1	...	1	...	1	...	8	6	14	14	
29		2	...	1	...	1	...	1	...	1	...	1	...	1	...	8	7	15	15	
30		2	...	1	...	1	...	1	...	1	...	1	...	1	...	3	3	6	6	
31		2	...	1	...	1	...	1	...	1	...	1	...	1	...	11	2	13	13	
32		2	...	1	...	1	...	1	...	1	...	1	...	1	...	8	4	12	12	
33		3	...	1	...	1	...	1	...	1	...	1	...	1	...	11	9	20	20	
34		1	...	1	...	1	...	1	...	1	...	1	...	1	...	3	1	4	4	
35		12	...	1	...	1	...	1	...	1	...	1	...	1	...	8	19	27	27	
36		2	...	1	...	1	...	1	...	1	...	1	...	1	...	7	6	13	13	
37		4	...	1	...	1	...	1	...	1	...	1	...	1	...	15	22	37	37	
38		4	...	1	...	1	...	1	...	1	...	1	...	1	...	4	15	19	19	
39		3	...	1	...	1	...	1	...	1	...	1	...	1	...	3	7	10	10	
40		...	...	1	...	1	...	1	...	1	...	1	...	1	...	1	4	5	5	
Total ...		89	77	55	45	34	38	46	34	32	35	27	60	268	304	572	075	073	074	187



VITAL STATISTICS.

STATEMENT No. XIII.

Showing deaths from Respiratory Diseases excluding Tubercle of Lungs registered by divisions during each month in 1941.

1	2	3												4			5			6	
		Divisions.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Males.	Females.	Total.	Males.	Females.		Total.
1		14	11	12	16	14	17	16	11	9	23	19	22	76	108	184					
2		12	10	6	17	12	9	14	5	19	8	17	16	62	70	132					
3		32	25	20	30	30	32	19	19	19	29	29	40	157	167	324					
4		42	21	23	26	39	23	35	29	20	32	34	35	188	171	359					
5		41	36	27	24	32	19	21	21	18	20	32	51	175	167	342					
6		5	8	9	4	7	6	6	7	10	14	10	6	5	49	91					
7		11	6	3	9	9	7	8	6	9	12	6	12	54	44	98					
8		5	2	2	2	5	4	4	7	9	3	4	3	20	25	45					
9		14	13	13	12	22	17	13	10	16	20	9	17	103	73	176					
10		6	6	8	6	3	7	7	7	7	11	9	8	45	40	85					
11		16	10	12	15	20	27	21	18	12	18	20	24	108	105	213					
12		9	1	6	3	12	6	7	12	8	14	9	12	46	53	99					
13		23	19	32	34	39	20	40	23	28	40	40	29	186	181	367					
14		9	13	9	10	17	13	10	14	13	10	15	17	88	62	150					
15		5	9	8	14	12	7	11	9	6	11	9	6	70	37	107					
16		10	4	8	7	13	5	6	5	5	10	11	5	48	41	89					
17		30	18	24	26	25	29	32	21	18	26	24	32	138	147	305					
18		10	9	14	17	17	21	19	11	7	14	12	14	80	93	173					
19		25	31	19	18	30	22	33	20	28	28	20	16	155	135	290					
20		21	18	11	14	14	12	16	11	8	11	11	13	74	86	160					
21		21	19	13	19	16	20	12	16	16	15	17	13	103	94	197					
22		8	13	6	4	9	5	5	8	3	9	8	5	45	38	83					
23		24	15	22	14	23	14	19	12	13	18	16	22	112	100	212					
24		10	6	3	8	10	5	8	7	7	8	10	13	51	44	95					
25		8	14	9	15	25	20	12	13	7	9	12	19	84	79	163					
26		22	10	7	11	14	11	18	11	8	18	14	18	86	76	162					
27		6	7	3	5	3	6	6	6	3	4	8	7	30	34	64					
28		28	4	4	3	5	2	3	3	8	9	2	3	26	23	49					
29		3	2	1	...	...	4	4	6	3	3	6	3	15	21	36					
30		21	14	15	10	24	14	18	15	15	17	12	26	111	90	201					
31		22	20	23	21	20	18	20	24	25	14	20	23	120	130	250					
32		12	5	13	15	13	7	12	9	7	8	6	10	54	63	117					
33		13	4	4	14	9	6	6	6	4	8	6	12	46	46	92					
34		10	6	18	21	11	10	13	20	20	19	15	13	83	93	176					
35		23	31	30	37	30	19	40	23	24	31	24	42	166	190	356					
36		14	8	11	16	12	16	16	13	11	11	10	20	69	78	147					
37		6	9	7	12	11	16	24	15	17	9	13	16	80	75	155					
38		9	9	5	3	6	3	11	3	8	3	6	10	33	43	76					
39		7	3	3	3	8	5	1	3	6	...	6	7	28	24	52					
40		3	2	2	3	8	5	4	2	2	3	6	11	25	26	51					
Total ...		586	471	464	527	638	509	590	483	458	570	557	670	3,309	3,214	6,523	8-13	8-69	8-39	9-99	







VITAL STATISTICS.

STATEMENT No. XVI.

Showing deaths registered from other Causes by divisions during each month in 1941.

1	2	3												4			5			6						
		Divisions.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Males.	Females.	Total.	Males.	Females.		Total.	Ratio of Deaths per 1000 of population.	Males.	Females.	Total.	Mean Ratio per 1000 during previous 5 years.
1		41	30	42	16	29	28	30	30	11	27	36	54	215	159	374										
2		28	19	17	20	16	26	10	10	10	18	15	22	107	103	210										
3		61	37	42	30	36	40	31	37	37	37	44	68	239	241	480										
4		47	41	43	42	49	47	48	48	40	42	44	68	276	283	559										
5		61	52	45	41	52	42	54	42	37	56	36	70	338	250	588										
6		20	20	15	15	14	8	6	6	7	6	6	14	151	57	138										
7		14	22	28	25	26	28	23	19	22	30	13	24	151	123	274										
8		5	7	6	6	14	11	10	10	15	10	14	16	71	53	124										
9		17	11	23	19	20	16	12	10	16	24	19	18	112	102	214										
10		12	10	17	17	17	11	11	9	15	19	17	16	95	72	167										
11		37	29	32	28	28	31	28	28	26	34	45	54	227	165	392										
12		21	13	11	8	15	8	14	10	9	12	16	21	77	81	158										
13		34	28	29	33	24	28	30	26	30	25	38	48	208	163	373										
14		31	27	29	22	27	25	31	28	23	40	27	40	177	173	350										
15		59	43	54	56	59	45	51	53	41	50	63	73	459	188	647										
16		19	13	17	18	16	17	13	15	20	14	23	27	107	105	212										
17		56	40	53	33	45	44	58	45	55	42	64	68	305	289	594										
18		41	27	24	24	23	25	29	27	27	39	31	55	187	185	372										
19		65	58	60	52	51	55	51	45	38	63	44	48	314	316	630										
20		54	36	32	30	48	33	34	34	26	36	39	45	236	213	449										
21		55	36	50	42	40	42	46	51	34	44	45	38	273	250	523										
22		18	13	19	20	17	26	19	20	11	20	17	22	119	103	222										
23		33	41	34	30	29	30	35	30	12	28	43	47	221	171	392										
24		27	18	8	19	15	21	19	16	19	18	23	22	127	98	225										
25		32	20	16	24	25	27	29	29	32	33	36	36	161	168	329										
26		35	23	18	25	30	39	31	29	19	37	27	30	177	166	343										
27		16	20	13	22	27	22	19	17	22	22	29	38	126	141	267										
28		53	27	23	21	30	29	23	20	34	35	28	30	187	172	359										
29		35	15	26	20	21	15	18	20	24	20	33	39	137	139	276										
30		37	26	16	21	30	21	32	30	24	19	17	26	155	144	299										
31		41	40	26	30	33	38	28	29	21	25	28	44	221	182	403										
32		31	29	25	16	29	19	28	26	23	23	19	40	166	152	318										
33		33	23	31	24	26	23	24	26	18	18	15	34	146	139	285										
34		30	20	24	20	19	20	24	24	20	24	26	22	135	128	263										
35		67	42	48	46	58	64	49	53	53	43	53	72	320	327	647										
36		22	25	17	24	21	22	21	24	20	31	34	48	178	141	319										
37		27	18	23	26	22	28	25	21	29	28	29	35	171	140	311										
38		19	15	17	24	19	22	19	14	18	10	21	24	106	116	222										
39		24	18	19	28	18	17	16	21	15	23	16	21	123	114	236										
40		7	15	10	14	15	14	14	9	15	19	14	17	93	72	165										
	Total ...	1,365	1,047	1,070	1,025	1,126	1,096	1,128	1,032	962	1,176	1,158	1,524	7,323	6,386	13,709	17-97	17-96	17-63	19-92						



Showing deaths during 1941 compared with deaths during the previous 5 years.

Years.	Cholera.		Small-Measles.		Plague.		Malaria.		Enteric Fever.		Other Fevers.		Dysentery and Diarrhoea.		Tuberculosis other than Pulmonary.		Respiratory Diseases.				Deaths from Child Birth.		All other causes.		Total Deaths.					
	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000				
1936	140	0.22	3	0.005	5	0.01	...	...	113	0.18	163	0.25	1799	2.8	2208	3.4	126	0.19	1010	1.6	641	0.9	232	0.4	294	10.1	11157	17.2	23560	36.6
1937	232	0.36	196	0.3	8	0.10	...	...	78	0.12	96	0.15	2036	3.1	2133	3.3	51	0.08	1104	1.8	6676	10.3	170	0.3	289	9.3	12605	19.5	25874	39.7
1938	36	0.06	561	0.87	8	0.01	...	...	50	0.08	119	0.2	2183	3.4	2308	3.6	108	0.17	1193	2.8	6088	9.4	215	0.3	284	9.2	13102	20.2	26382	40.6
1939	2	0.003	268	0.41	...	...	...	...	43	0.07	187	0.29	2108	3.26	3624	5.60	184	0.28	1216	1.88	7166	11.07	254	0.39	245	7.74	14511	22.42	29808	46.05
1940	...	...	31	0.05	2	0.003	...	...	29	0.04	125	0.19	1918	2.96	3352	5.18	198	0.31	866	1.33	6016	9.29	234	0.36	264	7.94	13090	20.22	26125	40.36
Mean of the last 5 years.	82	0.13	212	0.33	5	0.02	...	...	63	0.10	138	0.22	2009	3.10	2725	4.22	133	0.21	1078	1.88	6471	9.99	221	0.35	275	8.86	12893	19.91	26309	40.66
1941	...	...	5	0.006	1	0.001	...	...	30	0.04	206	0.27	2302	2.96	3838	4.94	129	0.17	443	0.57	6523	8.39	239	0.31	285	8.69	13709	17.63	27710	35.64



VITAL STATISTICS.

STATEMENT No. XVIII.

Table of Deaths for 1941 arranged in accordance with the international list of causes of Deaths adopted by the Fifth International Conference for Revision, Paris, 1938.

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
I.	INFECTIVE AND PARASITIC DISEASES (1 to 44)													
	Diseases due to Bacteria.													
1	Typhoid fever	5	14	22	20	15	24	13	16	9	16	16	36	206
9	Whooping-cough	6	5	5	5	4	1	4	3	1	..	2	2	38
10	Diphtheria	1	4	2	1	1	..	2	1	..	3	2	3	20
11	Erysipelas	1	1	2	..	1	1	..	..	..	..	..	..	6
12	Tetanus	4	4	6	8	13	7	5	9	5	20	10	12	103
13	Tuberculosis of the respiratory system (including mediastinal glands)													
	a. With mention of occupational disease of lung.	61	70	45	31	19	23	28	21	18	23	16	40	395
	b. Without mention of occupational disease of lung.	12	1	..	..	..	..	..	..	..	..	..	..	13
	c. Tuberculosis of unspecified site.	1	1	2	5	5	3	5	2	3	2	2	4	35
14	Tuberculosis of the meninges and central nervous system.													
	a. Meninges.	3	3	5	4	1	6	1	1	1	3	1	3	32
	b. Other sites.	3	..	..	..	..	..	..	1	..	..	1	..	5



15 Tuberculosis of the intestines and peritoneum (including mesenteric and retroperitoneal glands).	5	1	3	3	6	2	4	1	2	39
a. Intestines.	...	1	3	3	6	2	5	3	2	21
b. Other sites.	4	...	1	2	3	3	...	1	3	21
16 Tuberculosis of the vertebral column	...	...	...	...	1	2	...	1	1	6
17 Tuberculosis of the bones and joints (excluding vertebral column)	...	...	...	...	...	...	...	...	...	...
a. Bones (except vertebral column)	...	...	...	...	...	...	...	...	1	1
b. Joints	...	...	1	1	...	...	...	...	1	3
b. Tuberculosis of other organs	...	...	...	...	...	...	...	...	...	2
b. Others.	...	1	...	...	...	...	1	...	...	...
22 Disseminated tuberculosis.	...	...	...	...	...	...	...	...	...	...
a. Acute generalised milary tuberculosis	...	...	...	...	1	...	...	1	...	3
b. Chronic generalised tuberculosis.	...	...	3	3	2	...	...	1	1	8
c. Unspecified.	...	3	...	...	...	2	...	2	4	12
23 Leprosy.	7	2	2	3	3	3	3	9	1	45
24 Purulent infection and Septicæmia (not associated with pregnancy, childbirth or the puerperium)	4	4	4	9	6	9	9	10	4	81
a. Septicæmia.	1	2	...	1	5	3	2	2	2	20
b. Pyæmia.	1	...	...	...	...	...	...	1	...	2
c. Gas gangrene.	1	...	...	...	...	...	...	...	...	...
27 Dysentery.	105	69	79	66	82	78	68	91	124	984
a. Bacillary dysentery.	...	68	79	66	82	78	68	91	124	984

(Contd.)

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
28	b. Amoebic dysentery. ...	5	...	2	4	1	2	2	4	2	3	5	5	35
	c. Other protozoal dysentery ...	150	85	64	83	91	60	78	67	75	96	117	137	1103
	d. Other or unspecified forms of dysentery. ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	<b>Diseases due to protozoa</b>	...	...	...	...	...	...	...	...	...	...	...	...	...
29	a. Malaria.	...	1	2	2	...	1	1	1	1	1	...	1	11
	b. Benign tertian ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	c. Quartan ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	d. Tropical (malignant) tertian (including black-water fever) ...	...	1	2	2	2	2	...	1	...	...	1	2	13
30	a. Other or unspecified malaria. ...	...	...	...	...	2	2	1	1	...	...	...	...	6
	b. Other diseases due to parasitic protozoa (except spirochaetes)	...	...	...	...	2	2	1	1	...	...	...	...	11
	<b>Diseases due to Spirochaetes.</b>	...	...	...	3	1	1	1	4	1	...	...	...	...
	Syphilis.	...	...	...	...	...	...	...	...	...	...	...	...	...
30	a. Locomotor ataxia (tabes dorsalis) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	b. General paralysis of the insane ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	c. Aneurysm of the aorta ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	d. Other forms of syphilis	2	1	1	2	...	3	1	1	3	...	...	3	18
	da. Congenital syphilis.	...	...	...	...	...	...	...	...	...	...	...	...	...



db.	Syphilis of nervous system (except tabes and general paralysis of the insane)	1	...	...	...	...	...	...	...	1	...	1	...	1	4
dc.	Syphilis of the circulatory system (except aneurysm of the aorta)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
dd.	Other or unspecified forms of syphilis	...	1	...	1	1	1	...	...	...	...	...	...	1	5
	<b>Diseases due or attributed to Filterable Viruses.</b>														
33	Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. With respiratory complications specified.	...	...	...	1	...	...	...	...	...	...	...	...	1	2
	b. Without respiratory complications specified.	...	1	...	...	2	...	...	...	...	...	...	...	...	6
34	Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. Variola major	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	b. Variola minor (alastrim)	1	...	3	...	...	1	...	...	...	...	...	...	...	5
	c. Unspecified.	...	...	...	...	...	...	...	...	...	...	...	...	...	1
35	Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...
38	Other diseases due or attributed to viruses.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. Yellow fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	b. Rabies	2	6	1	4	2	2	3	3	4	4	3	2	...	34
	<b>Diseases due or attributed to Rickettsia.</b>														
39	Typhus and typhus-like diseases (Rickettsioses)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	c. Other and unspecified typhus-like diseases	...	...	...	...	...	1	...	...	...	...	...	...	...	1
40	<b>Diseases due to Helminths.</b>	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ankylostomiasis	3	...	1	1	1	1	...	1	...	1	3	1	2	13

VITAL STATISTICS.

STATEMENT No. XVIII.  
(Contd.)

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
41	Hydatid disease	...	...	...	...	...	1	...	...	...	...	...	...	1
	a. Hydatid disease of liver	...	...	...	...	...	...	...	...	...	...	...	...	1
	b. Hydatid disease of other and unspecified organs...	...	...	1	...	...	...	...	...	...	...	...	...	1
42	Other diseases due to helminths.	...	...	...	...	...	...	...	...	...	...	...	...	...
	II. CANCER AND OTHER TUMOURS (45 to 57).													
45	Cancer and other malignant tumours of the buccal cavity and pharynx	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. Lips	...	...	...	...	...	...	...	...	...	1	...	...	1
	b. Tongue	...	...	...	2	1	...	1	...	...	1	...	...	5
	c. Other and unspecified sites	...	...	3	3	4	1	4	3	1	1	5	8	33
46	Cancer and other malignant tumours of the digestive organs and peritoneum	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. Oesophagus	...	...	1	...	1	1	...	...	1	...	...	3	7
	b. Stomach and duodenum.	1	2	3	3	2	3	3	2	4	1	...	...	24
	c. Intestines other than duodenum or rectum	...	...	1	1	...	...	...	...	...	...	...	...	2
	d. Rectum	1	1	1	...	1	1	1	...	...	...	2	...	8
	e. Liver and biliary passages	1	2	1	1	2	1	...	2	...	3	1	...	14





VITAL STATISTICS.

STATEMENT No. XVIII.  
(Contd.)

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
55	b. Sarcoma.	1	1	1	..	..	..	..	..	..	..	..	..	3
	c. Other and unspecified malignant tumours.	..	..	1	1	1	..	..	1	..	1	1	..	6
	Cancer and other malignant tumours of other or unspecified organs.	..	..	..	..	..	..	..	..	1	..	..	..	1
56	b. Bones.	..	..	..	..	..	..	..	..	..	..	..	..	..
	d. Other and unspecified organs.	..	..	..	..	..	1	..	1	..	..	..	1	3
	Non-malignant tumours (including dermoid cysts)	..	..	..	..	..	..	..	..	..	..	..	..	..
	a. Ovaries.	1	..	..	..	..	..	..	..	..	..	..	..	1
	b. Uterus	..	..	..	1	3	..	..	..	..	..	1	..	6
57	d. Brain and other parts of the nervous system	..	..	..	..	..	..	..	..	..	..	..	1	3
	e. Other and unspecified organs	..	..	..	..	..	..	..	..	..	..	..	..	1
	Tumours of undetermined nature	..	..	..	..	..	..	..	..	..	..	..	..	..
	a. Ovaries	..	..	1	1	..	..	1	1	1	1	2	2	10
	b. Uterus	1	..	..	..	2	..	..	..	..	..	..	..	3
c. Other and unspecified organs.	..	..	..	1	..	..	..	..	..	..	..	..	1	





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STATEMENT No. XVIII.

(Contd.)

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	<b>IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS (72 to 76).</b>													
72	Haemorrhagic conditions	1	...	...	...	1	...	...	...	...	...	...	1	3
73	a. Primary purpura	...	...	...	...	1	2	1	1	2	3	...	...	16
	Anaemias (excluding splenic anaemia—75a)	2	1	...	3	1	2	1	1	2	3	...	...	...
	a. Pernicious anaemia	...	...	...	...	...	...	...	...	...	...	...	...	...
74	d. Other and unspecified anaemias	22	26	16	19	19	25	27	22	30	42	22	18	288
	Leukaemias and aleukaemias	...	3	...	...	2	...	...	1	...	2	...	1	9
75	a. Leukaemia	...	1	...	...	...	...	...	...	...	...	1	...	2
	Diseases of the spleen	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. Splenic anaemia	...	...	...	...	...	...	...	...	...	...	1	...	2
77	c. Other diseases of the spleen	3	2	3	3	4	5	...	4	2	3	1	2	32
	<b>V. CHRONIC POISONING AND INTOXICATION (77 to 79)</b>													
77	Chronic or acute alcoholism (ethylism)	1	...	1	...	...	...	...	...	...	...	...	...	2
	a. Acute alcoholism	...	...	...	...	...	...	...	...	...	...	...	...	...





VITAL STATISTICS.

STATEMENT No. XVIII.  
(Contd.)

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
85	Epilepsy	1	1	4	3	1	1	2	...	...	4	...	4	21
86	Convulsions in children under 5 years of age	51	34	41	40	52	53	52	49	44	53	33	60	562
87	Other diseases of the nervous system	...	2	...	...	1	...	1	...	...	...	1	...	5
	b. Neuritis (non-rheumatic)	...	...	...	...	...	...	...	...	...	...	...	...	1
	c. Paralysis agitans (Parkinson's disease)	...	...	1	...	...	1	2	...	...	...	...	1	4
	e. Others	...	...	...	...	...	...	...	...	...	...	...	...	4
88	Diseases of the organs of vision (including trachoma)	...	2	...	...	...	1	...	...	1	...	...	...	4
89	Diseases of the ear and of the mastoid process	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. Otitis and other diseases of the ear, without mention of mastoid (antrum) disease	4	1	...	...	1	1	...	...	3	2	...	2	14
	b. Diseases of the mastoid process	...	...	2	1	...	2	...	2	1	1	1	2	12
91	VII. DISEASES OF THE CIRCULATORY SYSTEM (90 to 103)	...	...	...	...	...	...	...	...	...	...	...	...	...
	a. Acute endocarditis (excluding rheumatic endocarditis-58b)	1	2	2	...	...	...	...	1	...	...	...	...	6
	c. Other forms of acute or sub-acute endocarditis (excluding arteriosclerotic endocarditis)	...	...	...	...	...	...	...	...	...	...	...	...	...





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STATEMENT No. XVIII.

(Contd.)

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938.)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
96	c. Other and unspecified diseases of the heart ...	35	40	51	36	52	43	50	40	42	49	48	71	557
98	Aneurism, except of heart (93) and aorta (30) ...	...	...	1	...	...	1	...	...	...	...	1	2	5
100	Gangrene ...	3	1	2	...	1	2	3	2	4	...	3	7	28
101	Diseases of the veins (varices, hæmorrhoids, phlebitis, etc.)	1	...	2	2	...	1	1	2	3	...	1	2	15
102	Diseases of the lymphatic system (lymphangitis, etc.) ...	...	...	...	...	1	1	1	1	...	1	1	1	7
102	High blood pressure (idiopathic)	1	1	...	2	1	...	1	...	3	3	...	2	14
105	VIII. DISEASES OF THE RESPIRATORY SYSTEM (NOT SPECIFIED AS TUBERCULOUS) (104 to 114)	...	...	...	...	1	...	...	...	...	...	...	...	1
106	Diseases of the larynx. ...	...	...	...	...	...	...	...	...	...	...	...	...	...
106	Bronchitis.	7	9	5	6	8	16	13	11	5	13	11	8	112
107	a. Acute	47	34	50	45	67	71	62	48	83	87	98	102	794
107	b. Chronic.	399	311	302	356	415	322	395	321	276	356	360	416	4229
108	Broncho-pneumonia, including capillary bronchitis. ...	108	87	78	96	107	80	96	78	68	88	68	119	1073
108	Lobar (pneumococcal) pneumonia. ...	...	...	...	...	...	...	...	...	...	...	...	...	...





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STATEMENT No. XVIII.

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)  
(Contd.)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
116	c. Other diseases of the pharynx and tonsils ...	1	...	...	...	...	1	2	1	...	1	...	...	6
117	Diseases of the oesophagus ...	1	...	...	...	1	...	...	...	1	1	...	...	4
	Ulcer of the stomach or duodenum	24	15	24	18	24	17	21	13	9	21	15	24	225
118	a. Stomach ...	...	1	8	8	5	12	1	4	8	10	7	10	74
	b. Duodenum ...	...	...	...	...	...	...	...	...	...	...	...	...	...
119	Other diseases of the stomach (except cancer and other malignant tumours) ...	1	6	2	1	...	2	5	7	8	8	8	7	55
120	Diarrhoea and enteritis (under 2 years of age) ...	62	53	40	40	55	44	66	34	32	43	58	62	589
	Diarrhoea, enteritis and ulceration of the intestines (2 years of age and over)	103	89	72	81	93	82	117	114	78	95	101	102	1127
121	a. Diarrhoea and enteritis.	...	...	...	4	4	5	2	1	1	4	...	1	22
122	Appendicitis ...	...	...	...	4	4	4	5	6	6	7	3	2	53
	Hernia, intestinal obstruction ...	5	4	3	4	4	4	3	1	2	5	5	...	45
123	a. Hernia ...	5	4	3	4	4	4	3	1	2	5	5	...	53
	b. Intestinal obstruction... (including intestinal infection by <i>B. Coli</i> )	5	7	7	3	3	4	3	1	2	5	5	...	45
	Other diseases of the intestines	4	1	3	2	...	1	3	4	1	...	2	3	2
	...	4	1	3	2	...	1	3	4	1	...	2	3	2



124	Cirrhosis of the liver	5	1	2	...	1	1	3	4	...	...	...	...	17
	a. With mention of alcoholism													17
	b. Without mention of alcoholism	16	3	12	10	9	11	11	6	5	5	7	17	112
125	Other diseases of the liver	8	3	4	2	1	2	7	3	3	8	7	8	56
	a. Acute yellow atrophy (not associated with puerperium (144 c.) or the puerperium (148 c.)													
	b. Other diseases of the liver	28	24	27	23	17	25	20	26	21	33	21	35	300
127	Other diseases of the gallbladder and bile-ducts	1	...	...	1	...	...	...	...	...	...	...	...	2
	a. Cholecystitis without record of biliary calculi						1	...	...	...	...	...	...	1
	b. Others	...	...	...	...	...	...	...	...	...	...	...	...	4
128	Diseases of the pancreas (other than diabetes-61)	...	...	...	2	...	...	...	...	...	...	1	1	4
129	Peritonitis without stated cause	10	5	5	3	8	5	5	11	8	4	10	12	86
	X. DISEASES OF THE URINARY AND GENITAL SYSTEMS (NOT VENereal, OR CONNECTED WITH PREGNANCY OR THE PUERPERIUM) (130 to 139)													
130	Acute nephritis	17	18	14	11	11	9	7	15	6	13	11	17	149
131	Chronic nephritis													
	a. Secondary to acute nephritis	20	16	21	24	18	14	14	13	14	10	10	24	198
	b. Arteriosclerotic Kidney...	20	20	26	13	16	8	15	17	10	11	8	17	181
	c. Chronic nephritis not otherwise specified	...	...	...	...	...	...	1	...	...	...	2	...	3

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STATEMENT No. XVIII.

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)  
(Contd.)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
132	Nephritis not stated to be acute or chronic ...	4	3	4	5	4	...	6	2	1	2	5	13	49
133	Other diseases of the Kidneys and ureters (not connected with pregnancy) b. Others ...	...	3	1	1	1	3	...	...	...	1	2	3	15
134	Calculi of the urinary passages. a. Calculi of the Kidneys and ureters ...	...	...	...	...	1	...	...	...	1	...	...	...	2
135	Diseases of the bladder (except tumours) a. Cystitis ... b. Other diseases of the bladder ...	...	...	...	...	...	...	...	...	...	...	1	...	1
136	Diseases of the urethra, urinary abscess, etc. a. Stricture of the urethra... b. Hypertrophy of the prostate ...	1	...	...	1	2	...	1	...	...	1	...	3	9
137	Diseases of the prostate a. Hypertrophy of the prostate ... b. Others ...	...	...	...	...	3	1	1	...	...	...	1	1	7
138	Diseases of other male genital organs (not specified as venereal) ...	...	...	...	...	...	2 1	1	...	...	1	...	1	4 2
		...	...	...	...	...	...	...	...	...	...	1	...	1





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(Contd.)

Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
144	c. Other and unspecified haemorrhages of pregnancy.	1	...	...	...	1	...	...	2	...	...	1	...	5
	a. Eclampsia of pregnancy...	3	2	1	2	3	4	2	7	5	3	5	5	42
	d. Other toxæmias of pregnancy	1	1	1	...	...	...	1	...	1	...	...	1	6
145	Other diseases and accidents of pregnancy	3	2	2	3	2	3	5	4	1	...	...	7	32
146	Haemorrhage of childbirth and the puerperium.	3	2	...	...	4	3	...	...	2	...	3	2	19
	a. Haemorrhage from placenta proevia during childbirth	...	...	1	...	...	...	...	...	...	...	...	...	1
	b. Haemorrhage from premature separation of placenta during childbirth...	...	...	...	...	...	...	...	...	...	...	...	1	2
	c. Other haemorrhages during childbirth	1	...	3	1	1	...	3	...	4	...	1	1	15
147	d. Other haemorrhages after childbirth	8	6	13	10	13	21	7	4	10	12	13	10	127
	Infection during child birth and the puerperium.													
	b. General or local puerperal infections (including puerperal tetanus) without mention of pyetitis													





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STATEMENT No. XVIII.  
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Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)

Classifi- cation Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
c.	Congenital malformation of heart	...	...	...	...	...	...	1	...	...	...	1	...	2
d.	Monstrosities	...	...	1	...	...	...	...	...	...	...	...	...	1
f.	Cleft palate, harelip	...	...	...	...	1	...	...	...	...	...	...	...	1
g.	Imperforate anus	...	...	...	1	3	1	3	1	3	2	1	1	19
j.	Unspecified congenital malformations	2	...	...	...	...	...	1	1	...	3	...	...	6
XV. DISEASES PECULIAR TO THE FIRST YEAR OF LIFE (158 to 161)														
(See other causes of infantile mortality <i>e.g.</i> , Nos. 119, 157, etc.)														
158	Congenital debility	7	14	3	2	6	8	...	...	5	4	...	6	55
159	Premature birth (still - births excluded)	194	125	139	154	146	171	171	144	158	202	182	257	2043
160	Injury at birth (still - births included)	2	1	...	1	...	5	...	1	...	1	1	2	14
a. Intra-cranial or spinal haemorrhage due to injury at birth														





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Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
163	<b>XVII. VIOLENT OR ACCIDENTAL DEATHS (163 to 198)</b> <b>Suicide.</b> Suicide by poisoning a. Suicide by solid or liquid toxic or corrosive substances ad. By other or unspecified solid or liquid poisons...	...	1	1	...	2	...	...	...	1	...	...	2	7
164	Other forms of suicide a. Suicide by hanging or strangulation b. Suicide by drowning c. Suicide by fire-arms and explosives fb. Other suicide by crushing	2 5	1 5	1 6	3 16	3 3	1 5	3 6	2 5	...	3 5	4 8	5 6	28 76
168	<b>Homicide.</b> Homicide by other or unspecified means (ages 1 year and over)	...	...	...	...	...	...	1	...	...	...	...	...	1
		...	1	...	...	...	...	...	1	...	...	...	...	2





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Table of Deaths for 1941 arranged in accordance with the International List (Fifth Revision, 1938.)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
186	Accidental injury by fall, crushing, landslide, etc. ...	1	...	1	1	1	3	...	1	3	...	...	...	11
191	Excessive heat ...	...	...	...	...	...	...	1	...	...	...	...	...	1
193	Other accidents due to electric currents ...	...	1	...	...	...	...	...	...	...	...	...	...	1
194	Attack by venomous animals ...	...	...	1	2	...	2	...	...	3	...	...	...	8
195	Other accidents bb. Other accidents d. Other and unspecified accidents ...	...	...	...	...	...	1	...	...	1	...	...	...	2
198	Legal executions ...	1	3	...	4	...	2	...	...	3	...	...	...	13
		...	...	...	...	...	1	...	...	...	...	...	...	1
XVIII. ILL-DEFINED CAUSES OF DEATH (199 and 200)														
200	Causes of death unstated or ill-defined. a. Ill-defined causes ...	420	297	311	345	410	331	350	293	271	307	307	284	3926



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TABLE A.

Showing births and deaths from some of the principal diseases during the past 12 years.

Years.	Births.		Deaths.		Cholera.		Small-pox.		Malaria.		Other Fevers.		Other infectious diseases.		Plague.		Dysentery and Diarrhoea.		Respiratory Diseases.		Infantile mortality under 1 year.		Deaths of Children between 1 & 5 years.		Still-births.
	No. of Births exclusive of still-births.	Birth-rate.	No. of Deaths exclusive of still-births.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	
1930	25,662	48.5	22,839	43.2	43	0.08	188	0.4	283	0.5	2097	3.9	411	0.8	...	...	3056	5.8	6331	12.0	6258	243.9	3633	88.1	1260
1931	25,738	39.8	23,162	35.8	153	0.2	24	0.04	277	0.4	1914	3.0	1347	2.1	...	...	2746	4.2	5743	8.9	6391	248.3	3767	61.3	1318
1932	27,996	43.3	22,290	34.4	5	0.08	176	0.3	165	0.3	1747	2.7	1403	2.2	1	0.002	2644	4.1	5509	8.5	6622	236.5	3609	58.8	1326
1933	28,533	44.1	24,500	37.9	62	0.1	137	0.3	140	0.2	2185	3.3	519	0.8	...	...	2670	4.1	5967	9.2	7540	264.4	4154	67.7	1380
1934	28,149	43.5	23,659	36.6	166	0.3	131	0.2	193	0.3	2242	3.4	1163	1.8	...	...	2008	3.1	6905	10.6	6424	228.2	3893	63.4	1378
1935	31,031	47.9	24,955	38.6	145	0.22	59	0.09	167	0.26	2491	3.80	607	0.9	...	...	2320	3.6	7463	11.6	6948	223.9	4380	71.3	1414
1936	29,189	45.1	23,660	36.6	140	0.22	3	0.005	113	0.18	1799	2.8	601	0.9	...	...	2208	3.4	7546	11.7	6318	216.5	3990	65.0	1415
1937	30,958	47.8	25,674	39.7	232	0.36	196	0.3	78	0.12	2036	3.1	538	0.8	...	...	2133	3.3	7831	12.1	6836	220.8	4611	74.9	1400
1938	30,985	47.9	26,282	40.6	36	0.06	561	0.87	50	0.08	2183	3.4	455	0.7	...	...	2308	3.6	7389	11.4	6881	222.1	4476	72.9	1321
1939	31,665	48.92	29,808	46.05	2	0.003	268	0.41	43	0.07	2108	3.26	441	0.68	...	...	3624	5.60	8566	13.2	7651	241.62	5325	86.7	1402
1940	33,238	51.35	26,125	40.36	...	...	31	0.05	29	0.04	1918	2.96	481	0.74	...	...	3352	5.18	7080	10.94	6837	205.70	4110	66.94	1403
1941	32,770	42.15	27,710	35.64	...	...	5	0.006	30	0.04	2,302	2.96	411	0.53	...	...	3,838	4.94	7,095	9.13	6,847	208.94	5,308	...	1237

VITAL STATISTICS.

TABLE B.

Showing births, deaths and infantile deaths and rates for different communities in 1940 and 1941

Race or caste	Population according to the census of 1941.	1941						1940					
		Total number of Births	Birth rate	Total number of Deaths	Death rate	Infantile Deaths	Infantile Death rate	Total number of Births	Birth rate	Total number of Deaths	Death rate	Infantile Deaths	Infantile Death rate
Europeans ...		47	...	25	...	...	...	34	9.49	20	5.59	1	29.41
Anglo-Indians ...		387	...	225	...	34	87.86	386	36.22	231	21.68	41	106.22
Indian Christians...		1,534	...	1,222	...	264	172.09	1,559	39.09	1,144	28.65	257	164.85
Hindus ...		27,473	...	23,083	...	5,757	209.58	28,115	54.05	21,803	41.91	5,773	205.34
Muhammadians...		3,326	...	3,151	...	792	238.12	3,144	44.80	2,922	41.72	765	243.32
Others ...		3	...	4	...	...	...	...	...	5	1.72	...	...
Total ...	7,77,481	32,770	42.15	27,710	35.64	6,847	208.94	33,238	51.35	26,125	40.36	6,837	205.70



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TABLE C.

Showing births, deaths and rates for principal sub-castes of the Hindu community for 1940 and 1941.

Name of Community.	Population.	1941.				1940.			
		Total Births.	Birth Rate.	Total Deaths.	Death Rate.	Total Births.	Birth Rate.	Total Deaths.	Death Rate.
Brahmins ...		2,686	...	1,667	...	2,397	40·8	1,285	21·8
Chetties ...		2,067	...	1,648	...	1,874	49·4	1,467	38·7
Vellala or Mudaliars ...		3,573	...	3,073	...	3,388	39·1	2,492	28·7
Baliya or Naidus ...		2,942	...	2,410	...	2,317	38·4	1,853	30·7
Vanniar or Naickers ...		3,886	...	3,445	...	4,149	59·6	3,250	46·7
Harijans or Adi- Dravidas ...	Not available.	4,649	...	4,029	...	3,794	51·5	3,281	43·2
Patnavars ...		347	...	360	...	494	43·7	374	33·1
Yadaval or Idayers ...		832	...	765	...	880	51·7	767	45·1
Viswakarma Brahmins or Kammalars ...		738	...	744	...	727	46·4	581	37·1

VITAL STATISTICS.

TABLE D.

Showing births, deaths and infantile deaths with rates by months in 1940 and 1941.

Months.	1941							1940						
	Total No. of Births.	Birth Rate.	Total No. of Deaths.	Death Rate.	Infantile Deaths.	Infantile Death rate on 1000 live Births.	Total No. of Births.	Birth Rate.	Total No. of Deaths.	Death Rate.	Infantile Deaths.	Infantile Death rate on 1000 live-Births		
January.	2,212	34.1	2,727	42.1	668	301.9	2,379	44.1	2,334	43.3	581	244.2		
February.	2,011	31.0	2,120	32.7	428	212.8	2,281	42.3	2,055	38.1	480	210.4		
March.	2,094	32.3	2,104	32.4	426	203.4	2,585	47.9	1,858	34.5	393	152.0		
April.	2,493	38.5	2,178	33.6	495	198.6	2,929	54.3	2,066	38.3	527	180.0		
May.	2,845	43.9	2,448	37.8	603	211.9	2,783	51.6	2,116	39.2	598	215.0		
June.	2,760	42.6	2,178	33.6	564	204.4	2,596	48.1	1,982	36.8	567	218.4		
July.	2,988	46.1	2,352	36.3	631	211.2	2,776	51.5	2,207	41.0	583	210.1		
August.	3,007	46.4	2,083	32.1	556	184.9	3,097	57.4	2,144	39.8	566	182.8		
September.	2,904	44.8	1,919	29.6	495	170.5	2,917	54.1	1,795	33.3	498	170.7		
October.	3,327	51.5	2,331	35.9	634	190.6	2,656	49.2	1,939	35.9	493	185.6		
November.	2,898	44.7	2,315	35.7	612	211.2	3,340	62.0	2,397	44.4	666	199.4		
December.	3,231	49.9	2,955	45.6	735	227.5	2,899	53.8	3,232	59.9	885	305.3		
Total.	32,770	42.15	27,710	35.64	6,847	208.94	33,238	51.35	26,125	40.36	6,837	205.0		



## VITAL STATISTICS.

## TABLE E.

Showing deaths among children under 1 year of age with death-rates per 1,000 live-births registered in 1940 and 1941.

Divisions.	1941		1940	
	Infantile Mortality.	Infantile Death-rates.	Infantile Mortality.	Infantile Death-Rates.
1	160	237.4	171	248.2
2	115	190.1	111	169.5
3	287	181.2	321	194.9
4	316	229.0	340	238.4
5	312	224.6	324	228.9
6	98	275.3	103	245.8
7	147	206.2	156	227.1
8	54	178.2	58	193.3
9	128	210.5	137	228.3
10	100	231.0	79	197.0
11	143	192.7	150	200.5
12	85	247.8	69	202.9
13	266	247.0	236	204.7
14	161	225.8	153	206.2
15	101	273.0	81	231.4
16	104	209.3	121	260.7
17	348	262.6	306	227.7
18	174	197.5	204	238.9
19	309	216.8	305	216.7
20	199	204.5	188	217.8
21	208	219.2	226	238.0
22	96	146.1	105	145.2
23	205	230.1	190	195.7
24	97	177.7	101	187.7
25	165	204.2	206	227.8
26	165	182.1	169	194.4
27	133	117.0	129	127.2
28	163	248.5	136	184.8
29	99	201.6	84	161.9
30	166	209.1	162	198.8
31	220	107.0	227	211.4
32	183	170.9	157	153.5
33	113	185.6	152	218.4
34	170	233.2	152	225.2
35	395	237.2	376	216.7
36	158	179.4	147	174.2
37	209	231.9	190	202.9
38	109	173.3	109	163.2
39	101	184.0	104	175.4
40	85	218.5	102	225.7
Total.	6,847	208.94	6,837	205.70

VITAL STATISTICS.

TABLE F.

Showing infantile mortality from principal causes by months in 1941.

Months.	Small-pox.	Measles.	Malaria.	Other Fevers.	Dysentery and Diarrhoea	Premature Birth.	Nervous system.	Respiratory system.	All other cases.	Total of 1941.			Total of 1940.
										Males.	Females.	Total.	
January.	...	...	...	25	106	194	40	171	132	348	320	668	581
February.	...	...	...	9	61	125	22	128	83	234	194	428	480
March.	...	...	...	10	42	139	28	132	75	244	182	426	393
April.	1	...	...	20	59	154	28	171	62	258	237	495	527
May.	...	...	...	33	71	146	46	198	109	336	267	603	598
June.	...	...	1	22	62	171	39	164	105	297	267	564	567
July.	...	...	...	31	87	171	35	192	115	363	268	631	583
August.	...	...	...	24	76	144	43	169	100	286	270	556	566
September.	...	...	...	18	50	158	38	157	74	262	233	495	498
October.	...	...	...	18	82	202	28	197	107	314	320	634	493
November.	...	...	...	13	89	182	25	204	99	333	279	612	666
December.	...	...	1	15	91	257	43	237	91	390	345	735	885
Total. ...	1	...	2	238	876	2,043	415	2,120	1,152	3,665	3,182	6,847	6,837



## VITAL STATISTICS.

TABLE G.

Showing percentage of infantile deaths from principal causes in 1941.

Age-periods.	Small-pox.		Measles.		Malaria.		Other Fevers.		Dysentery and Diarrhoea.		Premature birth, congenital debility & malformation.		Nervous system.		Respiratory system.		All other causes		Total.	
	Total.	Ratio.	Total.	Ratio.	Total.	Ratio.	Total.	Ratio.	Total.	Ratio.	Total.	Ratio.	Total.	Ratio.	Total.	Ratio.	Total.	Ratio.	Total.	Ratio.
Under 7 days	...	...	...	...	...	...	4	0.3	24	1.7	1,240	86.8	38	2.7	41	2.8	82	5.7	1,429	20.8
Over 7 days and under one month	...	...	...	...	...	...	13	1.4	34	3.5	731	76.2	48	5.0	72	7.5	61	6.4	959	14.0
Over one month and under 6 months	1	0.04	...	...	...	...	91	3.9	346	14.9	316	13.6	236	10.2	896	38.7	431	18.6	2,317	33.9
Over 6 months and under one year	...	...	...	...	2	0.1	130	6.1	472	22.0	24	1.1	93	4.3	1,111	51.9	310	14.5	2,142	31.3
Total	1	0.01	...	...	2	0.03	238	3.5	876	12.8	2,311	33.8	415	6.1	2,120	30.9	884	12.9	6,847	100.0

XLIX

VACCINATION

DISEASE

## VACCINATION.

Showing particulars of

Divisions.	Districts.	Population according to the census of 1941.	Number of Depots.	Number of Vaccinators.	Total Number of Persons Vaccinated.			Average No. of Persons vaccinated by each Vaccinator.	Primary		
					Males.	Females.	Total.		Total		
									Males.	Females.	Total.
1					3,088	2,427	5,515		390	395	785
2					1,260	1,500	2,760		273	288	561
3					2,474	2,170	4,644		606	602	1,208
4					2,262	2,424	4,686		580	543	1,123
5					3,632	3,466	7,098		737	751	1,488
6					2,597	1,528	4,125		232	243	475
7					1,592	875	2,467		363	351	714
8					5,275	1,556	6,831		176	196	372
9					1,495	1,512	3,007		304	274	578
10					3,486	1,368	4,854		211	208	419
11					1,564	1,116	2,680		398	330	728
12					1,804	1,220	3,024		183	190	373
13					2,246	2,015	4,261		500	539	1,039
14					3,241	2,986	6,227		376	428	804
15					2,408	1,272	3,680		222	243	465
16					2,094	1,439	3,533		309	299	608
17					4,814	3,904	8,718		718	586	1,304
18					4,493	2,752	7,245		422	422	844
19					4,306	4,591	8,897		579	604	1,183
20					2,384	2,284	4,668		418	412	830
21					2,444	2,338	4,782		380	351	731
22					2,026	1,975	4,001		321	322	643
23					3,189	2,357	5,546		547	506	1,053
24					2,487	1,682	4,169		287	256	543
25					2,233	1,844	4,077		400	369	769
26					3,009	2,487	5,496		486	466	952
27					2,519	1,075	3,594		213	187	400
28					2,141	1,964	4,105		324	321	645
29					1,887	2,139	4,026		315	288	603
30					2,798	2,320	5,118		371	384	755
31					3,310	2,856	6,166		645	611	1,256
32					2,579	2,461	5,040		349	293	642
33					2,421	1,657	4,078		356	283	639
34					1,956	1,385	3,341		379	338	717
35					4,890	3,686	8,576		742	709	1,451
36					3,573	2,721	6,294		788	648	1,436
37					2,675	2,181	4,856		521	476	997
38					2,498	1,982	4,480		375	380	755
39					1,917	1,066	2,983		320	263	583
40					1,714	1,121	2,835		278	246	524
Total	...	7,77,481	17	80	1,08,781	83,702	1,92,483	2406	16,394	15,601	31,995



## Vaccinations performed during 1941.

## STATEMENT No. I.

Vaccinations.					Re-vaccinations.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1,000 of population.	Average Annual No. of persons successfully vaccinated during the previous five years.		Average Annual No. of deaths from Small-pox during the previous five years.		Average cost of each successful vaccination.
Under one year.	Successful.			Unknown.	Total.	Successful.	Unknown.	Primary.	Re-vaccination.		Number.	Ratio per 1,000 of population.	Number.	Ratio per 1,000 of population.	
One year and under six years.	Six years and above.	Total.	Unknown.							Total.					Successful.
527	232	14	773	9	4,730	122	2,126	99.6	4.7						
377	163	18	558	..	2,199	116	755	99.4	8.0						
939	232	24	1,195	9	3,436	61	1,472	99.7	3.1						
900	192	21	1,113	2	3,563	98	504	99.3	3.2						
1,072	372	33	1,477	6	5,610	178	1,168	99.7	4.0						
324	125	8	457	17	3,650	213	1,606	99.8	10.4						
543	163	...	706	3	1,753	77	428	99.3	5.8						
239	103	6	348	19	6,459	216	4,721	98.6	12.4						
419	159	...	578	...	2,429	35	289	100.0	1.7						
272	113	9	394	25	4,435	213	2,615	100.0	11.7						
517	211	...	728	...	1,952	93	69	100.0	5.0						
242	131	...	373	...	2,651	117	118	100.0	4.6						
747	289	3	1,039	...	3,222	70	553	100.0	2.6						
582	188	17	787	12	5,423	399	2,519	99.4	13.7						
317	119	19	455	7	3,215	131	1,658	99.3	8.4						
382	176	23	581	18	2,925	230	868	98.5	11.2						
1,006	224	4	1,234	48	7,414	251	2,761	98.3	5.4						
680	140	15	835	8	6,401	212	3,136	99.9	6.0						
1,009	173	1	1,183	...	7,714	266	1,352	100.0	4.2						
699	125	5	829	1	3,838	202	707	100.0	6.5						
638	87	5	730	1	4,051	232	871	100.0	7.3						
478	160	4	642	...	3,358	139	888	99.8	5.7						
789	203	57	1,049	3	4,493	254	733	99.9	7.0						
441	60	5	506	29	3,626	142	2,543	98.4	13.1						
654	63	14	731	18	3,308	151	1,831	97.3	10.2						
744	116	15	875	64	4,544	225	2,975	98.5	14.4						
302	52	14	368	23	3,194	242	1,719	97.6	16.4						
530	90	4	624	15	3,460	102	1,205	99.0	4.1						
460	103	2	565	30	3,423	95	1,347	98.6	4.6						
491	255	8	754	...	4,363	241	1,200	99.9	7.6						
936	298	14	1,248	2	4,910	369	634	99.5	8.6						
508	118	15	641	1	4,398	324	1,156	100.0	10.0						
482	146	8	636	2	3,439	168	856	99.8	6.5						
557	143	15	715	...	2,624	98	697	99.7	5.1						
1,129	312	6	1,447	...	7,125	267	1,579	99.7	5.0						
1,115	315	6	1,436	...	4,858	187	842	100.0	4.7						
656	322	17	995	...	3,859	132	2,109	99.8	7.5						
507	221	27	755	...	3,725	73	669	100.0	2.4						
355	169	18	542	21	2,400	73	912	96.4	5.0						
367	126	5	498	16	2,311	64	996	98.0	4.9						
23,932	6,989	479	31,400	409	1,60,488	6,878	55,187	99.4	6.5	49.3	49,725	64.0	212	0.27	

Rs. 1-5-9



VACCINATION.

STATEMENT NO. II.

Showing vaccinations performed in the city of Madras by months during 1941.

Months.	Primary Vaccinations.						Revaccinations.					
	Males.	Females.	Total.	Success-ful.	Un-success-ful.	Un-known.	Males.	Females.	Total.	Success-ful.	Un-success-ful.	Un-known.
January ...	1,360	1,241	2,601	2,561	19	21	9,746	6,760	16,506	608	10,127	5,771
February ...	1,368	1,356	2,724	2,683	20	21	8,814	7,237	16,051	568	9,092	6,391
March ...	1,533	1,422	2,955	2,909	13	33	9,194	7,011	16,205	630	8,847	6,728
April ...	1,369	1,378	2,747	2,682	31	34	7,752	6,271	14,023	571	7,840	5,612
May ...	1,153	1,056	2,209	2,098	22	89	7,158	5,357	12,515	542	7,725	4,248
June ...	1,282	1,328	2,610	2,551	23	36	6,758	5,153	11,911	557	7,469	3,885
July ...	1,354	1,287	2,641	2,600	9	32	7,800	5,703	13,503	764	8,657	4,082
August ...	1,370	1,273	2,643	2,604	11	28	8,065	5,449	13,514	721	8,573	4,220
September ...	1,241	1,192	2,433	2,410	12	11	7,339	5,357	12,696	588	8,551	3,557
October ...	1,449	1,337	2,786	2,761	7	18	7,513	5,645	13,158	557	8,336	4,265
November ...	1,423	1,323	2,746	2,730	9	7	7,229	4,201	11,430	420	7,245	3,765
December ...	1,492	1,408	2,900	2,811	10	79	5,019	3,957	8,976	352	5,961	2,663
Total ...	16,394	15,601	31,995	31,400	186	409	92,387	68,101	1,60,488	6,878	98,423	55,187



## VACCINATION.

## STATEMENT No. III.

Showing the number of births (divisional and hospital) verified and the number of infants vaccinated under one year of age during 1941.

Divisions.	Total Births excluding still-births.		Deaths under one year of age without being vaccinated.		Number of infants surviving		Number of infants vaccinated under one year of age.		Percentage of vaccinations to births registered.	
	Divisional.	Hospital.	Divisional.	Hospital.	Divisional.	Hospital.	Divisional.	Hospital.	Divisional.	Hospital.
1	349	271	39	48	310	223	175	106	50.1	39.1
2	306	277	41	21	265	256	180	102	59.0	37.0
3	769	424	114	61	655	363	403	116	52.4	27.0
4	924	420	95	77	829	343	716	199	77.5	48.0
5	1105	218	112	18	993	200	598	56	54.1	25.6
6	291	111	59	14	232	97	153	63	52.6	57.0
7	501	212	83	25	418	187	274	138	54.7	65.1
8	165	131	33	21	132	110	89	67	54.0	51.1
9	378	243	51	36	327	207	189	95	50.0	39.1
10	245	163	38	32	207	131	125	59	51.0	36.2
11	493	259	69	50	424	209	262	95	53.2	36.7
12	272	88	40	16	232	72	126	30	46.3	34.1
13	712	383	83	35	629	348	343	186	48.2	48.6
14	413	251	69	41	344	210	172	108	41.6	43.0
15	213	139	28	11	185	128	104	64	48.8	46.0
16	319	144	49	15	270	129	182	53	57.1	36.8
17	949	268	168	50	781	218	583	113	61.4	42.2
18	669	169	81	24	588	145	421	81	63.0	50.0
19	1008	371	133	79	875	292	693	150	68.7	40.5
20	604	305	86	47	518	258	344	121	57.0	40.0
21	615	336	103	38	512	298	374	189	61.0	56.3
22	215	506	30	58	185	448	100	158	46.5	31.2
23	472	459	46	69	426	390	330	263	70.0	57.3
24	259	246	37	23	222	223	163	131	63.0	53.3
25	445	375	108	21	337	354	261	215	58.7	57.3
26	318	490	70	47	248	443	188	363	59.1	74.1
27	208	118	37	10	171	108	114	50	54.8	42.4
28	260	432	40	69	220	363	172	273	66.2	63.2
29	292	165	43	20	249	145	193	94	66.1	57.0
30	521	282	84	51	437	231	301	121	57.8	43.0
31	599	412	102	89	497	323	275	155	46.0	37.6
32	385	341	41	56	344	285	219	109	57.0	32.0
33	341	279	40	55	301	224	164	82	48.1	30.0
34	451	224	82	37	369	187	259	93	57.4	41.5
35	754	656	80	85	674	571	373	238	49.5	36.3
36	369	407	52	43	317	364	193	213	52.3	52.3
37	589	295	86	58	503	237	333	113	56.5	38.3
38	521	149	44	15	477	134	210	54	40.3	36.2
39	365	184	67	34	298	150	173	70	47.4	38.1
40	247	137	51	35	196	102	108	46	44.0	33.6
Total	18,911	11,340	2,714	1,634	16,197	9,706	10,635	5,032	56.2	44.4

STATEMENT No. IV.

VACCINATION.

Showing the number of Births verified and the number of infants vaccinated under one year of age during 1939, 1940 and 1941.

Year.	1	2	3	4	5	6	7	8
		Total number of Births excluding still-births	Number of children in column 2 who died before attaining the age of one year without being vaccinated.	Number of children in column 2 who left the City before attaining the age of one year and without being vaccinated.	Number of children in column 2 who were available for vaccination (column 2 minus columns 3 & 4)	Number of children in column 5 who were vaccinated before they attained the age of one year.	Percentage of column 6 to column 5	Number of children in column 5 whose vaccination was postponed beyond one year of age for medical reasons.
1939								
{ Divisional	...	18,757	2,788	2,979	12,990	11,133	85.7	397
{ Hospital	...	11,611	1,546	2,791	7,274	4,510	62.0	99
1940								
{ Divisional	...	20,612	3,000	3,938	13,674	11,981	87.6	720
{ Hospital	...	12,310	1,832	2,945	7,533	5,107	67.8	285
1941								
{ Divisional	...	18,911	2,714	3,299	12,898	10,635	82.5	466
{ Hospital	...	11,340	1,634	2,591	7,115	5,032	71.0	158



## SANITATION.

## STATEMENT No. I.

Showing areas sewered and yet to be sewered.

Division No. (old.)	Name of Areas.	Length of sewers in ft. laid during 1941	Length of sewers laid upto 31-12-1941	Percentage of sewered portion upto 31-12-41	Percentage yet to be sewered.	Remarks.
1	Royapuram	...	48,127	93	7	
2	Tondiarpet	687	47,646	86	14	
3	Washermanpet	2,177	59,460	98	2	
4	Korrukupet	...	30,459	73	27	
5	Harbour	...	30,771	94	6	
6	Muthialpet	...	27,001	97	3	
7	Katchaleeswaranpet	...	35,920	92	8	
8	Kothwal Bazaar	...	23,345	100	...	
9	Amman Koil	...	27,687	100	...	
10	Seven Wells	...	29,305	100	...	
11	Sowcarpet	...	18,379	100	...	
12	Peddu Naickenpet	...	33,171	99	1	
13	Trevelyan Basin	...	32,171	97	3	
14	Esplanade	...	10,586	90	10	
15	Park Town	...	21,534	95	5	
16	Perambur	...	51,149	71	29	
17	Choolai	2,202	51,331	77	23	
18	Purasawalkam	...	54,659	99	1	
19	Vepery	1,748	49,992	93	7	
20	Egmore	356	1,03,176	99½	½	
21	Kilpauk	327	83,666	92½	7½	
22	Nungambakkam	2,860	1,31,866	91	9	
23	Chintadripet	...	42,392	90	10	
24	Thiruvateeswaranpet	...	56,379	91	9	
25	Chepauk	...	22,506	91	9	
26	Triplicane	2,460	33,384	94	6	
27	Amir Mahal	...	29,899	90	10	
28	Mirsahibpet	83	1,01,464	99½	½	
29	Royapettah	32,929	1,39,698	92	8	
30	Mylapore	...	1,23,431	95	5	
	Total	45,829	15,50,554	92·63	7·37	

## SANITATION.

## STATEMENT No. II.

Showing the disposal of applications relating to licences.

Serial Number.	Description.	No. of cases dealt with.	No. Sanctioned.	No. Refused.	No. Pending.	Remarks.
1	Aerated Water and Ice Factories ...	24	23	1	...	
2	Baker, Sweet-meat and Coffee hotels.	751	642	107	2	
3	Candles and Soaps ...	26	24	2	...	
4	Cocoonut fibre, Flax, Hemp & Jute...	16	12	4	...	
5	Cattle Yards ...	1,638	1,547	91	...	
6	Bones, Hoofs, Hairs, Wool and Horns.	18	17	1	...	
7	Cart Stand ...	24	21	3	...	
8	Dairy Produce ...	412	408	4	...	
9	Flour ...	142	137	5	...	
10	Gilding and Condiments ...	180	162	18	...	
11	Hack-stables ...	26	26	...	...	
12	Dyeing ...	48	47	1	...	
13	Onion and Garlic ...	65	65	...	...	
14	Oil, Oil Mills ...	430	423	7	...	
15	Lodging Houses ...	121	109	8	4	
16	Markets ...	43	42	1	...	
17	Meat ...	122	106	16	...	
18	Spirits, Turpentine, Chemicals and Rosin ...	176	174	2	...	
19	Laundries ...	47	43	4	...	
20	Fish and Fins ...	14	14	...	...	
21	Skins, Hides, and Leather ...	180	171	9	...	
22	Paddy Boiling ...	3	3	...	...	
23	Sugar ...	23	23	...	...	
24	Catgut, Offal and Tallow ...	10	10	...	...	
25	Snuff ...	110	94	16	...	
26	Cotton ...	34	32	2	...	
27	Eating Houses ...	1,976	1,855	121	...	
28	Swine ...	...	...	...	...	
29	Lime Kilns ...	41	28	13	...	
30	Beedy manufacturing ...	191	169	22	...	
31	Manufacturing of Cigars & Cigarettes ...	79	72	7	...	
32	Camphor, storage and boiling ...	25	24	1	...	
33	Shaving Saloons ...	755	741	14	...	
34	Husking of paddy ...	...	...	...	...	
35	Groundnut storage ...	30	30	...	...	
36	Grain storage ...	57	54	3	...	
37	Gold refining ...	8	8	...	...	
38	Poultry ...	8	8	...	...	
	Total ...	7,853	7,364	483	6	



## SANITATION.

## STATEMENT No. III.

Showing unwholesome articles of food destroyed.

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Appams, Idlies and other rice preparations	...	2,091	Baskets.
Beef	...	902	lbs.
Bread	...	1,123	Nos.
Butter	...	128	lbs.
Butter-milk	...	178	Pots.
Coffee and tea	...	3,116	Kettles.
Curd	...	131	Pots.
Eggs	...	2,726	Nos.
Fish (dried)	...	560	Baskets.
Fish (raw)	...	576	Baskets.
Fruits	...	9,557	Nos.
		700	Baskets.
		93	Trays.
Ghee	...	54	Tins.
Goat-heads	...	176	Nos.
Goat-legs	...	576	Nos.
Grains	...	180	Baskets.
Greens	...	415	Baskets.
Milk	...	250	Measures.
Mutton (raw)	...	863	Seers.
Mutton (cooked)	...	1,830	Plates.
Pork	...	461	lbs.
Prawns	...	310	Baskets.
Preserved food-stuffs	...	360	Tins.
Sweet meat	...	133	Visses.
		544	Trays.
Syrup and aerated waters	...	2,339	Bottles.
Trash	...	1,034	Baskets.
		1,154	Trays.
		2,934	Nos.
Vegetables	...	2,248	Baskets.
		850	Nos.

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## MEDICAL RELIEF.

## STATEMENT No. I.

Showing cases treated in Corporation Dispensaries in 1941.

Serial No.	Name of Dispensary.	Year in which the Dispensary was opened.	New cases	Total No. of cases treated.		Total No. of Operations Performed.		Remarks.
				1941	1940	1941	1940	
1	Royapuram Dispy.	1924	43,411	1,36,220	1,24,884	498	308	
2	Washermanpet "	1913	63,433	1,44,695	1,35,440	131	479	
3	Harbour "	1929	82,354	1,97,564	1,92,398	443	393	
4	Mannady Unani "	1938	30,794	91,629	1,27,523	43	67	
5	Mafuskhan "	1923	78,074	1,07,576	1,13,157	276	318	
6	Mint Street "	1923	62,434	1,51,976	1,64,818	892	711	
7	Trevelyan Basin "	1919	78,500	1,60,234	1,58,923	544	552	
8	Perambur "	1928	39,323	89,780	98,345	445	655	
9	Vyasarpany "	1929	35,159	78,157	78,432	682	654	
10	Kosapet "	1929	44,854	88,694	82,272	1130	1138	
11	Baliah Naidu "	1899	54,933	1,05,029	1,11,267	555	581	
12	Kilpauk "	1919	49,881	81,761	89,976	215	182	
13	Nungambakkam "	1923	31,240	69,976	74,796	81	78	
14	Chintadripet "	1909	80,717	1,49,126	1,45,312	612	727	
15	Pudupakkam "	1924	45,568	1,15,778	1,24,036	1617	1396	
16	Triplicane "	1918	52,388	1,11,428	1,14,348	465	425	
17	Teynampet "	1927	32,702	68,886	66,062	482	574	
18	Thyagarayanagar "	1922	31,024	78,765	88,060	208	206	shifted from Pulianthope.
19	Mylapore "	1924	48,228	1,24,256	1,78,433	733	1015	
20	Pulianthope Unani "	1930	40,454	1,03,689	1,05,897	186	160	
21	Choolai Siddha "	1931	68,478	1,57,683	1,60,124	199	188	
22	Thousandlights Ayurvedic "	1930	26,899	59,285	56,718	316	217	
23	Thayar Sahib Street Unani "	1932	52,085	1,40,940	1,43,304	139	112	
24	Egmore "	1923	23,866	56,658	56,493	137	233	shifted from Mannady.
25	Perambur Siddha "	1938	43,838	98,459	1,00,364	119	113	
26	Krishnampet "	1938	29,914	78,335	73,991	136	177	
27	Pudupet "	1939	29,870	72,112	81,788	54	89	



MEDICAL RELIEF.

STATEMENT No. II.

Showing skin and leprosy work done at the Ice House Road Skin and Leprosy Clinic and other Corporation Dispensaries during 1941.

Name of the Institution.	Date of opening.	Details of Leprosy Work.										Skin Diseases.			Average monthly attendance.
		Types.		Results of Treatment.						No. of injections performed	No. of new skin cases.	No. of injections for skin cases.	Yearly Total attendance New & old skin & leprosy cases.		
		No. of infective cases.	No. of non-infective cases.	Number cured.	Number improved.	Number symptom-free.	Number in "Arrested Stage."	Number "other-wise".	No. of new skin cases.					No. of injections performed	
New leprosy cases.	No. of infective cases.	No. of non-infective cases.	Number cured.	Number improved.	Number symptom-free.	Number in "Arrested Stage."	Number "other-wise".	No. of injections performed	No. of new skin cases.	No. of injections for skin cases.	Yearly Total attendance New & old skin & leprosy cases.	Average monthly attendance.			
Ice House Road Skin & Leprosy Clinic ...	2-2-1934	329	92	37	...	180	15	5	129	6,681	11,470	450	43,177	3,598	
Vysarpady Clinic ...	4-8-1931	116	75	41	...	37	3	24	52	3,636	1,454	...	5,090	424	
Other Corporation Dispensaries ...	1935	103	...	...	...	...	...	...	...	1,973	89,032	...	1,35,693	11,308	
Grand Total ...	...	548	...	...	...	...	...	...	...	12,290	1,01,956	450	1,83,960	15,330	

## MEDICAL RELIEF.

## STATEMENT No. III A.

Showing new cases treated in the venereal clinic.

Year.	Males.	Females.	Children.	Total.
1938	632	138	...	770
1939	930	151	...	1,081
1940	1,276	259	...	1,535
1941	1,302	400	38	1,740

## STATEMENT No. III B.

Showing total cases with daily averages in the venereal clinic.

Year.	Males.	Females.	Children.	Total.	Daily Average.
1938	10,436	1,932	...	12,368	33.9
1939	16,242	1,666	...	17,908	49.0
1940	21,517	2,433	...	23,950	65.6
1941	19,181	4,071	189	23,441	64.2

## STATEMENT No. III C.

Showing clinical work done at the venereal clinic.

Year.	Bloods taken & examined.	Swears examined.	Injections given.
1938	338	884	1,634
1939	770	959	2,359
1940	1,161	981	2,848
1941	1,230	959	2,852



MEDICAL RELIEF.

STATEMENT No. IV.

Showing the number of cases admitted, discharged and died under various diseases in the Infectious Diseases Hospital, Tondiarpet, during 1941.

Details	Small-pox	Chicken-pox	Measles	Cholera	Dysentery	Diarrhoea	Mumps	Whooping cough	Pneumonia	Enteric Fever	Malaria	Pyrexia of unknown origin	B. Dysentery	Influenza	Secondary syphilis	Meningitis	Diphtheria	Gastro Enteritis	Impetigo	Vaccinia	Other Diseases	Total
Patients remaining in the hospital on 31st December 1940	...	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	10
Patients admitted for treatment from 1st Jan. 1941 to 31st Dec. 1941	28	298	152	...	...	11	17	...	4	1	1	3	9	1	5	...	3	56	3	2	49	643
Total number discharged from 1st Jan. 1941 to 31st Dec. 1941	24	299	152	...	...	11	17	...	3	1	...	3	7	1	5	...	2	51	3	2	48	629
Total number died from 1st Jan. 1941 to 31st Dec. 1941	4	...	1	...	...	...	...	...	1	...	1	...	2	...	...	...	1	5	...	...	3	18
Total number treated from 1st Jan. 1941 to 31st Dec. 1941	28	304	153	...	...	11	17	...	4	1	1	3	9	1	5	...	3	56	3	2	52	653
Mortality (per cent)	14.3	...	0.6	...	...	...	...	...	25.0	...	100	...	22.2	...	...	...	33.3	9.0	...	...	5.8	2.8
Patients remaining in the hospital on 31st December 1941	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	6

MEDICAL RELIEF.

STATEMENT No. V.

Showing the number of cases admitted, discharged and died under various diseases in the Krishnampet Infectious Diseases Hospital during 1941.

Details.	Small-pox.	Chicken-pox.	Measles.	Cholera.	Dysentery.	Diarrhoea.	Mumps.	Whooping cough.	Pneumonia.	Enteric fever.	Malaria.	Pyrexia of unknown origin.	Kala Azar	Pulmonary tuberculosis.	Secondary syphilis.	Cerebro Spinal Meningitis.	Diphtheria.	Other diseases.	Total.
Patients remaining in the hospital on 31st December 1940 ...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	6
Patients admitted from 1st January 1941 to 31st Dec. 1941 ...	...	114	57	1	10	...	15	2	...	2	...	...	...	5	3	...	1	89	299
Total number treated ...	...	117	57	1	10	...	15	2	...	2	...	...	...	5	3	...	1	92	305
Total number discharged ...	...	106	51	1	6	...	15	2	...	1	...	...	...	2	3	...	1	70	258
Total number died ...	...	...	...	...	4	...	...	...	...	...	...	...	...	2	...	...	...	20	26
Mortality rate per cent. ...	...	...	...	...	40'00	...	...	...	...	...	...	...	...	40'00	...	...	...	21'74	8'52
Patients remaining in the hospital on 31st December 1941 ...	...	11	6	...	...	...	...	...	...	1	...	...	...	1	...	...	...	2	21



## MEDICAL RELIEF.

## STATEMENT No. VI.

Showing the Vaccinal Conditions of Small-pox patients treated in the  
Infectious Diseases Hospital, Tondiarpet.

Age.	Vaccinated as evidenced by the presence of one or more vaccination cicatrix.	Stated to have been successfully vaccinated but no vaccination cicatrix present.	Stated to be unvaccinated or vaccinated unsuccessfully and no vaccination cicatrix present.	Previously unvaccinated but vaccinated during incubation period.	Stated to have been successfully re-vaccinated.
Under 1 year	...	...	1	1	...
2 years	...	1	...	...	...
3 "	...	...	...	...	...
4 "	...	...	...	...	...
5 "	...	...	...	...	...
6 "	2	...	...	...	...
7 "	...	...	1	...	...
8 "	...	...	...	...	...
9 "	...	...	...	...	...
10 "	...	...	1	...	...
11 "	...	...	...	...	...
12 "	1	1	...	...	...
13 "	...	...	...	...	...
14 "	...	...	...	...	...
15 "	...	...	...	...	...
20 "	5	...	1	...	...
25 "	3	...	...	...	...
30 "	6	...	...	...	...
35 "	2	...	...	...	...
40 "	...	1	...	...	...
50 "	1	...	...	...	...
60 "	...	...	...	...	...
70 "	...	...	...	...	...
80 " & upwards.	...	...	...	...	...
Total ...	20	3	4	1	...

## MEDICAL RELIEF.

## STATEMENT No. VII.

Showing the number of admissions in the Infectious Diseases Hospital,  
Tondiarpet, according to nationality and sex during 1941

Nationality		Males	Females
Hindus	...	362	169
Muhammadans	...	9	3
Europeans and Anglo-Indians	...	20	16
Others	...	41	23
	Total ...	432	211

## MEDICAL RELIEF.

## STATEMENT No. VIII.

Showing the number of admissions in the Krishnampet  
Infectious Diseases Hospital according to nationality and sex  
during 1941

Nationality		Males	Females
Europeans	...	15	3
Hindus	...	119	68
Muhammadans	...	15	5
Others	...	51	23
	Total ...	200	99



No.	Defects.	Boys.						Girls.						Remarks.		
		Entrants.		Regulars.		Total of entrants & regulars.		Entrants.		Regulars.		Total of entrants & regulars.				
		No. Defective.	Percentage.	No. Defective.	Percentage.	No. Defective.	Percentage.	No. Defective.	Percentage.	No. Defective.	Percentage.	No. Defective.	Percentage.			
															1941-42	1940-41
1	Malnutrition	...	866	17.05	13.67	792	12.03	10.97	1658	14.22	79	0.77	1.24	1.28	157	1.35
2	Dirty head, body & nails	...	712	14.01	10.79	618	9.39	6.98	1330	11.40	262	3.80	3.59	2.21	487	4.18
3	Teeth & Mouth	...	953	18.75	15.86	1268	19.27	17.07	2221	19.07	434	7.93	9.23	10.10	1013	8.70
4	Nose & Throat	...	804	15.82	16.20	966	14.68	14.13	1770	15.18	825	15.34	19.03	22.53	2018	17.33
5	Eye disease	...	160	3.15	3.47	214	3.25	3.65	374	3.21	156	2.90	3.00	3.24	344	2.95
6	Vision	...	7	0.14	0.26	17	0.26	0.58	24	0.21	3	0.06	0.19	0.32	15	0.13
7	Ear diseases	...	67	1.32	2.64	111	1.69	2.33	178	1.53	55	1.02	1.24	1.28	133	1.14
8	Hearing	...	2	0.04	0.07	4	0.06	0.08	6	0.05	2	0.04	0.08	0.12	7	0.06
9	Speech	...	6	0.12	0.30	14	0.21	0.34	20	0.17	6	0.11	0.10	0.15	12	0.10
10	Circulatory System	...	36	0.71	0.92	59	0.90	0.90	95	0.81	14	0.26	0.45	0.22	42	0.36
11	Tuberculosis	...	3	0.06	0.07	2	0.03	0.07	5	0.04	2	1.04	...	0.09	2	0.02
12	Respiratory System	...	96	1.89	2.57	105	1.60	1.58	201	1.72	57	1.06	0.72	0.77	102	0.88
13	Abdominal Organs	...	62	1.22	1.29	74	1.12	1.36	136	1.17	14	0.26	0.29	0.14	32	0.27
14	Bones and Joints	...	224	4.41	3.53	274	4.16	3.00	498	4.27	20	0.37	0.24	0.31	35	0.30
15	Nervous & psychic systems	...	19	0.37	0.22	16	0.24	0.16	35	0.30	4	0.07	0.11	0.11	11	0.09
16	Infectious & contagious diseases	...	561	11.04	9.03	694	10.55	9.36	1255	10.76	407	7.57	7.40	8.33	871	7.48
17	Other diseases and defects	...	306	6.02	8.93	344	5.23	6.85	650	5.57	139	2.59	2.89	2.69	320	2.75
18	Vaccination	...	174	3.42	2.17	...	...	...	174	1.49	44	0.82	...	...	44	0.38
19	Deformities	...	15	0.30	0.30	25	0.38	0.34	40	0.34	11	0.20	0.38	0.28	35	0.30



## MEDICAL INSPECTION.

## APPENDIX TO STATEMENT No. I.

Group.	No. on Roll.		Average daily attendance.		No. examined.		No. defective.		Percentage.	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
Entrants	23,160	18,387	10,451	10,712	5,082	5,377	2,753	1,948	54·17	36·23
Regulars					6,581	6,270	3,355	2,390	50·98	38·12
Total ...	23,160	18,387	10,451	10,712	11,663	11,647	6,108	4,338	52·37	37·25

## MEDICAL INSPECTION.

## STATEMENT No. II.

## Height and Weight Table.

Age.	Boys.		Girls.		Remarks.
	Average height in inches.	Average weight in pounds.	Average height in inches.	Average weight in pounds.	
5 Years.	39·70	32·51	39·32	30·49	
6 "	41·03	33·24	41·06	31·49	
7 "	43·42	37·51	41·99	35·40	
8 "	45·55	40·22	45·93	38·83	
9 "	46·95	44·23	46·95	42·12	
10 "	49·37	46·50	49·23	48·13	
11 "	51·08	49·49	50·91	52·59	
12 "	52·10	56·01	53·22	57·77	
13 "	52·92	57·99	54·88	63·38	
14 "	55·14	60·06	57·34	74·16	
15 "	56·62	68·30	58·05	79·04	
16 "	58·56	72·11	58·42	80·48	
17 "	62·25	91·25	60·20	87·25	
18 "	65·50	97·00	61·40	86·80	
19 "	...	...	61·18	87·25	
20 "	...	...	57·85	88·60	
21 "	...	...	62·25	97·50	
22 "	...	...	...	...	
23 "	...	...	61·50	103·00	



## MEDICAL INSPECTION.

## STATEMENT No. III.

Quinquennial average of heights and weights of boys and girls.

No.	Age.	Average height in inches.		Average weight in pounds.	
		Boys.	Girls.	Boys.	Girls.
1	5 Years.	40.21	39.62	32.73	31.27
2	6 "	41.58	41.13	34.72	33.12
3	7 "	43.71	42.96	35.71	35.41
4	8 "	45.49	45.01	40.72	39.65
5	9 "	47.42	46.64	44.79	42.84
6	10 "	49.36	49.22	47.91	47.62
7	11 "	51.05	50.94	51.35	52.28
8	12 "	52.32	52.91	55.25	56.09
9	13 "	54.56	54.98	58.90	62.22
10	14 "	56.99	56.98	64.78	69.10
11	15 "	57.44	57.57	69.66	71.51

## MEDICAL INSPECTION.

## STATEMENT No. IV.

Treatment Table.

Group	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. referred to Ophthalmic Hospital and eye sections of other Hospitals.	No. referred to Tuberculosis Institute and sanatorium	No. of parents met.	No. of revisits paid to schools.	No. of re-examinations of children.	Remarks.
Boys ...	4,505	2,061	51	5	2,326	96	4,848	
Girls ...	3,641	424	52	8	1,350	122	3,086	
Total ...	8,146	2,485	103	13	3,676	218	7,934	

MEDICAL INSPECTION.

Teeth and Mouth Table.

No.	Defects.	Entrants.						Regulars.						Total defectives of boys and girls.
		Boys.			Girls.			Boys.			Girls.			
		No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	
1	Dirty teeth	...	63	8	46	10	...	4	95	26	...	12	215	
2	Dental caries	...	482	80	402	183	...	79	499	229	...	91	1519	
3	Stomatitis	...	417	417	...	238	232	6	...	331	324	7	1538	
4	Tongue Tie	...	2	...	2	4	...	4	7	1	...	1	14	
5	Oral Sepsis	...	...	...	...	...	...	...	...	1	1	...	1	
6	Other conditions	...	13	12	1	...	...	...	24	...	...	...	37	

N.B.—Cases not amenable to or not requiring treatment have been omitted in the treatment column.



Nose and Throat Table.

No.	Defects.	Entrants.						Regulars.						Total defectives of boys and girls.	
		Boys.			Girls.			Boys.			Girls.				
		No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.		
1	Nasal Catarrh	155	155	...	7	7	...	119	118	1	...	...	...	...	281
2	Nasal Polypus	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Enlarged Tonsils	627	358	269	749	691	58	807	344	46	3	1102	998	104	3285
4	Granular Pharynx	1	1	...	...	...	...	1	1	...	...	1	1	...	3
5	Adenoids	9	...	9	7	...	7	7	...	7	13	13	...	13	36
6	Enlarged cervical glands	15	15	...	70	67	3	10	10	...	104	103	1	1	199
7	Bifid and Elongated uvula	3	...	3	2	...	...	13	3	10	4	...	...	...	22
8	Other conditions	...	...	...	...	...	...	16	15	...	2	1	1	1	18

N.B.—Cases not amenable to or not requiring treatment have been omitted in the treatment column.

MEDICAL INSPECTION.

Eye Table.

STATEMENT No. VII.

No.	Defects.	Entrants.						Regulars.						Total defectives of boys and girls.	
		Boys.			Girls.			Boys.			Girls.				
		No. Defective.	No. sent to Corporation dispensaries.	No. referred to Ophthalmic hospital sections of other hospitals.	No. Defective.	No. sent to Corporation dispensaries.	No. referred to Ophthalmic hospital sections of other hospitals.	No. Defective.	No. sent to Corporation dispensaries.	No. referred to Ophthalmic hospital sections of other hospitals.	No. Defective.	No. sent to Corporation dispensaries.	No. referred to Ophthalmic hospital sections of other hospitals.		
1	Conjunctivitis	47	47	...	41	41	38	34	4	42	42	42	42	...	168
2	Blepharitis	...	...	...	3	2	...	...	...	8	8	8	6	...	11
3	Granular lids	...	...	...	23	19	...	...	...	34	34	26	26	8	60
4	Corneal opacity	...	...	...	17	...	6	...	6	15	15	...	...	5	45
5	Corneal ulcer	...	...	...	...	...	...	...	...	1	1	...	...	1	1
6	Staphyloma	...	...	...	...	...	2	...	...	...	...	...	...	...	5
7	Dacryocystitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Cataract	...	...	...	...	...	2	...	2	...	...	...	...	1	4
9	Xerosis	...	90	...	33	33	144	144	...	53	53	53	53	...	320
10	Stye	...	...	...	5	5	4	3	1	9	9	9	9	...	18
11	Squint	...	...	...	29	...	19	...	14	20	20	...	...	8	78
12	Keratitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Ptoxis	...	...	...	2	...	...	...	...	1	1	...	...	...	3
14	Other conditions	...	...	...	3	...	1	...	...	4	4	...	...	...	9
15	Defective vision	...	...	...	3	1	17	...	17	12	12	6	6	6	39

N.B.—Cases not amenable to or not requiring treatment have been omitted in the treatment column.



Infectious Diseases Table.

No.	Defects.	Entrants.				Regulars.				Total defective of boys and girls.	
		Boys.		Girls.		Boys.		Girls.			
		No. Defective.	No. sent to Corporation dispensaries.	No. referred to special Secs. of hospitals.	No. Defective.	No. sent to Corporation dispensaries.	No. referred to special secs. of hospitals.	No. Defective.	No. sent to Corporation dispensaries.		No. referred to special secs. of hospitals.
1	<i>Skin:—</i>	215	215	321	320	1	235	337	332	5	1108
2	Scabies	32	32	7	7	..	48	15	15	..	102
3	Eczema	71	71	33	32	1	77	25	25	..	206
4	Tinea & Fungus	61	61	26	26	..	70	14	14	..	171
5	Lichen	4	4	2	2	..	2	2	2	..	10
6	Dermatitis	21	21	..	..	..	18	..	..	..	39
7	Pruritis	..	..	2	2	..	2	1	1	..	5
8	Psoriasis	22	22	..	..	..	13	..	..	..	35
9	Impetigo	126	126	14	14	..	219	60	60	..	419
10	Leprosy	11	11	..	..	..	9	..	..	..	20
	Other conditions	..	..	..	..	..	..	..	..	..	..
	<i>Other infectious diseases:—</i>										
1	Malaria	1	1	..	..	..	..	1	..	1	2
2	Kala-azar	..	..	..	..	..	..	..	..	..	..
3	Hook-worm	1	1	4	4	4	1	3	3	3	9
4	Influenza	4	4	1	1	..	..	3	3	..	8
5	Mumps	..	..	..	..	..	..	2	2	..	3
6	Whooping cough	1	1	..	..	..	..	1	1	..	2
7	Congenital Syphilis	..	..	..	..	..	..	..	..	..	..
8	Other conditions	7	7	1	..	1	1	1	1	..	10

N.B.—Cases not amenable to or not requiring treatment have been omitted in the treatment column.

Other Diseases Table.

No.	Defects.	Entrants.						Regulars.						Total defectives of boys and girls.
		Boys.			Girls.			Boys.			Girls.			
		No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. defective.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	
1	Worms	80	80	...	12	12	...	85	85	...	17	17	...	194
2	Wounds, cuts, ulcers, etc.	39	39	...	74	72	...	36	36	...	99	97	...	248
3	Undescended testis	13	...	8	...	...	...	3	...	...	...	...	...	16
4	Phimosis	77	...	77	...	...	...	131	131	...	...	...	...	208
5	Enlarged groin glands	1	1	...	2	2	...	1	1	...	1	1	...	5
6	Pyrexia	3	3	...	12	12	...	6	6	...	21	21	...	42
7	Boils and abscesses	33	31	...	33	33	...	36	36	...	29	29	...	131
8	Keloids	1	...	1	...	...	...	...	...	...	1	...	...	2
9	Warts	1	...	1	...	...	...	...	...	...	2	...	...	5
10	Leuco-dermic patches	6	...	1	2	...	...	7	4	...	3	...	...	18
11	Tumours	3	...	3	...	...	...	2	2	...	...	...	...	5
12	Obesity	1	...	...	...	...	...	1	1	...	1	...	...	3
13	Whitlow	...	...	...	...	...	...	...	...	...	3	3	...	3
14	Xero-derma	...	...	...	...	...	...	...	...	...	1	1	...	58
15	Dog bite	31	31	...	...	...	...	26	26	...	1	1	...	2
16	Sinus	1	...	1	...	...	...	1	1	...	...	...	...	...
17	Burns and scalds	...	...	...	...	...	...	...	...	...	3	3	...	...
18	Other conditions	15	8	...	2	2	...	13	11	...	...	...	...	28

N.B.—Cases not amenable to or not requiring treatment have been omitted in the treatment column.



## MEDICAL INSPECTION.

## STATEMENT No. X.

Details of defects found on Medical Inspection of Schools, 1941-42.

No.	Systems or Organs.	Diseases.	No. Defective.				Total defectives of boys and girls.	Remarks.
			Entrants.		Regulars.			
			Boys.	Girls.	Boys.	Girls.		
1	Ear.	1. Otorrhoea ...	18	41	39	60	158	
		2. Otitis ...	21	14	30	18	83	
		3. Other ear diseases ...	28	...	42	...	70	
		4. Defective hearing ...	2	2	4	5	13	
2	Speech.	1. Stammering ...	6	3	13	3	25	
		2. Lispings ...	...	3	...	3	6	
		3. Dumb ...	...	...	1	...	1	
3	Heart and Circulation	(1) Heart Diseases :—						
		(a) Organic ...	3	5	10	5	23	
		(b) Functional ...	5	...	11	5	21	
		2. Anaemia ...	23	9	33	18	83	
		3. Other conditions ...	5	...	5	...	10	
4	Lungs.	1. Bronchitis (acute and chronic) ...	92	55	95	43	285	
		2. Other non-tubercular diseases (Asthma, etc.) ...	4	2	10	2	18	
5	Tuber- culosis.	1. Pulmonary (a) Definite ...	...	...	...	...	...	
		(b) Suspected ...	2	2	2	...	6	
		2 Non-Pulmonary						
		(a) Glands ...	1	...	...	...	1	
		(b) Spine ...	...	...	...	...	...	
		(c) Hip ...	...	...	...	...	...	
		(d) Bones & Joints. ...	...	...	...	...	...	
		(e) Skin ...	...	...	...	...		
		(f) Other forms ...	...	...	...	...		
6	Abdominal Organs.	1. Enlarged Spleen ...	3	1	1	1	6	
		2. " Liver ...	...	2	1	...	3	
		3. " " and Spleen ...	...	1	...	1	2	
		4. Hydrocele (a) Vaginal ...	3	...	4	...	7	
		(b) Cord ...	1	...	3	...	4	
		(c) Infantile ...	...	...	...	...	...	
		5. Hernia (a) Inguinal ...	30	...	30	...	60	
		(b) Umbilical ...	12	...	13	...	25	
		(c) Femoral ...	...	...	...	...	...	
		6. Stomach conditions ...	7	...	12	2	21	
7. Bowel conditions ...	4	9	6	14	33			
8. Other conditions ...	2	...	4	...	6			
9. Generative disorders in girls ...	...	1	...	...	1			

## MEDICAL INSPECTION.

## STATEMENT No. X.

Details of defects found on Medical Inspection of Schools, 1941-1942—(Contd.)

No.	Systems or Organs.	Diseases.	No. Defective.				Total defectives of boys and girls.	Remarks.		
			Entrants.		Regulars.					
			Boys.	Girls.	Boys.	Girls.				
7	Bones and Joints.	1. Bones	(a) Fractures ...	...	...	1	...	1		
			(b) Caries ...	...	...	...	...	...	...	
			(c) Deformities ...	...	...	1	...	2	3	
			(d) Diseases ...	...	...	3	...	2	5	
		2. Joints	(a) Dislocations & Sprains ...	...	...	2	...	...	2	
			(b) Diseases ...	1	...	1	1	3		
			(c) Deformities ...	2	...	4	...	6		
		3. Rickets	(a) General ...	...	...	1	...	1		
			(b) Deformed chest ...	221	14	268	10	513		
		8	Nervous System.	1. Organic disease (Palsies, etc.)	4	4	1	6	15	
2. Functional disorders ...	3			...	4	...	7			
3. Other conditions ...	3			...	5	...	8			
9	Psychic System.	1. Mentally defective ...	9	...	6	1	16			
10	Deformities.	1. General Deformities:—								
		(a) Spinal deformities ...	1	2	1	...	4			
		(b) Talipes ...	...	...	...	4	4			
		(c) Shortened limbs ...	7	5	12	2	26			
		(d) Congenital dislocation hip ...	2	...	1	5	8			
		(e) Ankylosis of joint ...	1	...	5	1	7			
		(f) Amputated limbs ...	...	...	1	...	1			
		(g) Genu varum and valgum ...	1	1	2	...	4			
		(h) Super-numerary fingers ...	1	...	1	...	2			
		(i) Flat foot ...	1	1	...	5	7			
		(j) Syndactily ...	...	...	...	...	...			
		(k) Dwarf ...	...	...	...	2	2			
(l) Other conditions ...	1	2	2	5	10					



## MEDICAL INSPECTION.

## STATEMENT No. XI.

"Following up" work done showing the results of medical advice, 1941-42.

Number.	Systems or Organs.	Diseases.	Operations performed after medical advice.	No. of cases cured after treatment.	No. of cases improved & continued treatment.	No. of cases not improved but treatment continued.	Remarks.
1		Malnutrition	...	331	221	405	
2	Teeth & Mouth.	Dirty Teeth	...	18+	16 ×	31	+ Scaled × Cleaned * Extracted
		Dental Caries	...	184*	94	21	
		Gum boil	...	1	...	...	
		Stomatitis	...	...	478	237	
		Glossitis	...	...	9	8	
		Tongue tie	...	1	...	...	
3	Nose & Throat.	Nasal catarrh and Rhinitis	...	...	59	95	109
		Enlarged tonsils and adenoids	...	70	288	546	1094
		Enlarged cervical glands	...	...	6	74	24
		Granular pharynx	...	...	1	...	...
		Nasal polypus	...	...	...	...	...
		Elongated uvula	...	1	...	6	6
4	Eye Disease.	Conjunctivitis	...	...	115	9	...
		Xerosis	...	...	37	67	90
		Stye	...	...	2	1	1
		Granular lids	...	...	3	4	27
		Blepharitis	...	...	...	1	5
		Staphyloma	...	...	...	...	1
		Dacryo-cystitis	...	...	...	...	...
		Corneal opacity	...	...	...	...	2
		Keratitis	...	...	...	...	...
		Squint	...	2	...	...	16
		Other conditions	...	1	4	3	...
5	Defective Vision.	...	...	6	...	5	...
6	Ear Diseases.	Otitis	...	...	20	33	13
		Otorrhoea	...	...	24	33	38
		Wax ear	...	...	66	...	...
		Defective hearing	...	...	...	...	...
7	Circulatory System.	Anaemia	...	...	14	20	18
		Functional diseases	...	...	...	7	14
		Organic diseases	...	...	...	1	15
		Other conditions	...	...	...	5	...
8	Tuberculosis.	Pulmonary	...	...	...	...	...
		(a) Definite	...	...	...	1	4
		(b) Suspected	...	...	...	1	...
		Other forms	...	...	...	...	...

## MEDICAL INSPECTION.

## STATEMENT No. XI.

"Following up" work done showing the results of medical advice, 1941-42—(contd.)

Number.	Systems or Organs.	Diseases.	Operations performed after medical advice.	No. of cases cured after treatment.	No. of cases improved & treatment continued.	No. of cases not improved but treatment continued.	Remarks.
9	Respiratory System.	Bronchitis	...	179	6	13	
		Asthma	...	...	4	9	
10	Abdominal Organs.	Enlarged Spleen	...	2	1	3	
		" Liver	...	1	1	1	
		" Liver and Spleen	...	1	...	...	
		Diarrhoea	...	7	...	...	
		Dysentery	...	4	...	...	
		Dyspepsia	...	12	5	1	
		Chronic constipation.	...	6	...	...	
		Jaundice	...	2	...	...	
		Hydrocele	...	...	...	...	
		Inguinal hernia	...	8	...	4 ×	× Wearing truss.
		Umbilical hernia	...	2	...	7	
Colitis	...	9	...	...			
Generative disorders in girls	...	1	...	...			
11	Bones & Joints.	Rickety chest and general rickets	...	50	149	143	
		Fracture	...	1	...	...	
		Sprains and dislocations	...	...	...	...	
		Diseases	...	2	...	...	
12	Infectious and Contagious Diseases.	Scabies	...	553	109	101	{ Indiffer- ent 29 left 116 * arrested
		Eczema	...	63	13	9	
		Tinea, fungus and ringworm	...	12	42	49	
		Leprosy	...	3*	30	241	
		Lichen	...	10	57	48	
		Pruritis	...	10	21	5	
		Urticaria	...	...	...	...	
		Psoriasis	...	...	...	...	
		Dermatitis	...	4	2	3	
		Impetigo	...	18	1	...	
		Hookworm	...	2	1	...	
		Mumps	...	3	...	...	
		Whooping cough	...	2	...	...	
Influenza	...	8	...	...			
Congenital Syphilis...	...	...	...	...			
13	Nervous and Psychic Systems.	Facial paralysis	...	...	...	...	
		Incontinence of urine	...	2	3	...	
		Epilepsy	...	...	...	1	



## MEDICAL INSPECTION.

## STATEMENT No. XI.

"Following up" work done showing the results of medical advice, 1941-42--(contd.)

Number.	Systems or Organs.	Diseases.	Operations performed after medical advice.	No. of cases cured after treatment.	No. of cases improved & treatment continued.	No. of cases not improved but treatment continued.	Remarks.
14	Other diseases and defects.	Worms ...	...	160	5	1	
		Wounds, cuts, ulcers, etc. ...	...	139	12	4	
		Boils and abscesses ...	...	75	...	...	
		Pyrexia ...	...	35	...	...	
		Phimosis ...	33	...	...	...	
		Undescended testis ...	...	...	...	...	
		Leuco dermic patches ...	...	...	...	1	
		Burns and scalds ...	...	3	...	1	
		Whitlow ...	3	...	...	...	
		Xero-derma ...	...	2	19	18	
		Enlarged groin glands ...	...	...	...	2	
		Warts ...	...	...	...	...	
		Dog-bite ...	...	2	...	...	
		Tumours ...	1	...	...	...	
		Hyperidrosis ...	...	...	...	...	
		Ganglion ...	...	...	...	...	
		Cellulitis ...	...	...	...	...	
Fistula ...	...	...	...	...			
Other conditions ...	...	7	2	...			

WATER ANALYSIS. TABLE No. 1.  
 Showing the Lake Level and Rainfall data for Sholavaram and Red Hills lakes for 1941.

Months.	Sholavaram.			Red Hills Lake.			Remarks.	
	Total Rainfall in inches.		Lake level in feet with date.	Total Rainfall in inches.		Average monthly level (in feet)		Level in feet with date.
	1940	1941		1940	1941			
January	...	...	42.14 on 24-1-41	0.08	0.04	45.50	45.52 on 24-1-41	
February	...	...	40.97 on 25-2-41	0.25	0.12	44.93	44.51 on 25-2-41	
March	...	...	39.7 on 29-3-41	...	..	43.67	43.07 on 29-3-41	
April	...	1.75	38.67 on 26-4-41	0.49	...	42.17	41.64 on 26-4-41	
May	...	4.49	38.03 on 30-5-41	...	...	38.58	39.19 on 30-5-41	
June	...	1.82	37.34 on 27-6-41	4.32	4.19	38.58	38.20 on 27-6-41	
July	...	3.63	36.3 on 29-7-41	1.16	4.23	37.29	36.75 on 29-7-41	
August	...	2.51	35.13 on 30-8-41	4.21	7.12	35.99	35.39 on 30-8-41	
September	...	3.67	34.94 on 26-9-41	8.01	10.25	35.59	35.80 on 26-9-41	
October	...	5.93	35.28 on 25-10-41	9.93	15.52	39.87	41.74 on 25-10-41	
November	...	22.91	46.09 on 29-11-41	19.26	22.20	45.88	45.87 on 29-11-41	
December	...	5.87	45.90 on 22-12-41	8.73	10.35	45.88	45.83 on 22-12-41	



## WATER ANALYSIS.

## TABLE No. II.

Showing the examination of water samples during 1941

Serial No.	Description.	Number examined.
1	Complete bacteriological and chemical examination for water samples ...	904
2	Partial bacteriological and chemical examination for water samples. ...	421
3	Water for microscopical examination from different places in the water supply system ...	25
4	Identification of algae. ...	72
5	Culture media, etc., for determination and adjustment of pH. ...	73
6	Samples of water tested for the presence of free chlorine, interfering substances, etc. ...	9,409
7	Examination for the presence of H <sub>2</sub> S in filtered waters.	3,300
	Total ...	14,204

TABLE No. III.

WATER ANALYSIS. Important Chemical Results for each month of the year, 1941.

(Expressed in parts per 100,000).

Month.	Red Hills Lake.				Kilpauk end of the Raw-water Conduit.				Unchlorinated filtered Water Mixture.				Chlorinated filtered Water Mixture.				Test-Tap, K.P.S.				Distribution System.			
	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.
January	6	Trace	0.022	0.096	20	0.002	0.040	0.139	17	0.003	0.033	0.105	10	..	..	0.093	19	0.004	0.034	0.083	3	Trace	0.026	0.057
February	6	..	..	0.137	20	..	..	0.157	20	..	..	0.137	9	..	..	0.108	20	..	..	0.103	4	..	..	0.120
March	4	..	0.028	0.143	18	..	0.040	0.167	16	..	..	0.137	9	..	..	0.118	17	..	..	0.118	6	..	..	0.096
April	4	0.001	0.032	0.171	18	..	0.052	0.168	18	..	..	0.132	8	..	..	0.124	18	..	..	0.110	..	..	..	..
May	4	0.001	0.033	0.219	22	0.002	0.041	0.184	20	..	..	0.145	11	..	..	0.130	24	..	..	0.120	11	..	..	0.131
June	6	0.026	0.035	0.193	21	0.029	0.048	0.166	21	..	..	0.144	11	..	..	0.120	21	..	..	0.118	5	..	..	0.092
July	6	0.010	0.044	0.192	22	..	..	0.191	17	..	..	0.163	12	..	..	0.150	23	..	..	0.137	4	..	..	0.147
August	6	0.008	0.034	0.192	19	0.001	0.043	0.199	18	0.002	0.037	0.166	10	0.003	0.034	0.148	22	0.002	0.033	0.136	30	0.004	0.035	0.127
September	7	0.002	0.035	0.165	19	Trace	0.053	0.177	18	0.001	0.032	0.161	9	0.002	0.042	0.110	21	0.001	0.034	0.128	33	0.004	0.028	0.113
October	7	..	0.018	0.116	15	..	0.037	0.177	11	0.001	0.019	0.152	6	0.002	0.031	0.144	24	0.002	0.023	0.117	93	0.002	0.018	0.101
November	7	..	0.014	0.104	21	..	0.021	0.147	21	Trace	0.016	0.113	9	Trace	0.015	0.097	25	Trace	0.015	0.082	34	Trace	0.012	0.072
December	6	..	0.004	0.103	18	..	0.031	0.128	16	..	0.020	0.103	8	..	0.022	0.092	16	..	0.021	0.084	13	..	0.008	0.058



WATER ANALYSIS.

TABLE No. IV.

Showing the results of Bacteriological Examination for each month of the year 1941—Percentage Results.

Month.	Red Hills Lake.						Raw Water, Kilpauk.						Un-Chlorinated Mixture of Filtrates.												
	Lactose Fermenters in						Lactose Fermenters in						Lactose Fermenters in												
	No. of Samples		+60	+20	+10	+5	+1	+0.1	No. of Samples		+60	+20	+10	+5	+1	+0.1	No. of Samples		+60	+20	+10	+5	+1	+0.1	
	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.	c. c.
January	6	...	...	...	66.6	16.7	16.7	16.7	19	...	...	5.3	47.3	42.1	...	...	17	...	5.9	11.8	58.8	23.5	...	...	...
February	6	50.0	16.7	16.7	...	16.7	...	10	...	...	...	50.0	50.0	50.0	...	...	10	...	10.0	...	70.0	...	...	...	...
March	5	20.0	40.0	20.0	...	20.0	...	1	...	...	...	100.0	...	...	...	...	...	...	...	...	...	...	...	...	...
April	4	...	...	75.0	25.0	...	...	1	...	...	...	100.0	...	...	...	...	...	...	...	...	...	...	...	...	...
May	4	...	...	...	50.0	25.0	25.0	1	...	...	...	...	...	100.0	...	...	...	...	...	...	...	...	...	...	...
June	6	...	...	...	50.0	33.3	33.3	1	...	...	16.7	50.0	33.3	33.3	...	...	...	...	...	...	...	...	...	...	...
July	6	...	...	...	16.7	15.7	66.6	10	...	...	10.0	...	70.0	20.0	...	...	6	...	50.0	33.3	16.7	...	...	...	...
August	5	...	20.0	...	20.0	20.0	20.0	19	...	...	5.2	...	47.4	47.4	...	...	12	...	...	16.7	15.0	33.3	...	...	...
September	8	12.5	...	...	25.0	25.0	12.5	15	...	...	6.7	33.3	40.0	20.0	...	...	11	...	...	36.4	45.4	18.2	...	...	...
October	7	...	...	...	14.3	42.8	28.6	13	...	...	...	15.4	30.8	53.8	...	...	7	...	28.6	14.3	28.6	14.2	...	...	...
November	7	...	...	...	28.6	57.1	14.3	19	...	...	5.8	10.5	26.3	52.6	5.3	...	19	...	10.5	26.3	21.1	31.6	...	...	...
December	6	...	...	16.7	50.0	33.0	...	14	...	...	...	...	35.7	64.0	...	...	12	...	8.4	33.3	33.3	25.0	...	...	...

WATER ANALYSIS. TABLE No. IV.  
 Showing the results of Bacteriological Examination for each month of the year 1941—Percentage Results.—(contd.)

Month.	Chlorinated Mixture of Filtrates.					Test-Tap, Kilpauk Pumping Station.					Distributing System.												
	Lactose Fermenters in					Lactose Fermenters in					Lactose Fermenters in												
	No. of Samples.					No. of Samples.					No. of Samples.												
	-60 c. c.	+60 c. c.	+20 c. c.	+10 c. c.	+5 c. c.	+1 c. c.	+0.1 c. c.	-60 c. c.	+60 c. c.	+20 c. c.	+10 c. c.	+5 c. c.	+1 c. c.	+0.1 c. c.	-60 c. c.	+60 c. c.	+20 c. c.	+10 c. c.	+5 c. c.	+1 c. c.	+0.1 c. c.		
January	10	80.0	20.0	...	...	...	...	24	85.8	4.2	...	...	...	...	6	66.6	33.4	...	...	...	...	...	
February	4	100.0	...	...	...	...	...	21	100.0	...	...	...	...	...	4	100.0	...	...	...	...	...	...	
March	...	...	...	...	...	...	...	23	100.0	...	...	...	...	...	5	...	80.0	20.0	...	...	...	...	...
April	...	...	...	...	...	...	...	25	92.0	...	...	8.0	...	...	...	...	...	...	...	...	...	...	
May	...	...	...	...	...	...	...	24	91.7	8.3	...	...	...	...	11	36.4	36.4	18.2	9.0	...	...	...	
June	...	...	...	...	...	...	...	23	73.9	26.1	...	...	...	...	4	25.0	25.0	25.0	...	...	...	25.0	
July	4	25.0	75.0	...	...	...	...	24	62.5	29.2	8.3	...	...	...	4	...	25.0	25.0	50.0	...	...	...	
August	9	55.6	22.2	11.1	...	11.1	...	29	34.5	31.0	10.4	30.7	...	...	31	29.1	25.8	22.6	9.7	6.4	6.4	...	
September	6	100.0	...	...	...	...	...	40	90.0	7.5	...	2.5	...	...	44	65.8	27.3	2.3	2.3	2.3	...	...	
October	6	100.0	...	...	...	...	...	33	81.8	12.1	6.1	...	...	...	86	58.1	26.7	10.5	2.3	1.2	1.2	...	
November	9	77.8	22.2	...	...	...	...	24	100.0	...	...	...	...	...	36	72.2	13.9	11.1	...	...	...	2.8	
December	7	100.0	...	...	...	...	...	45	95.0	4.4	...	...	...	...	12	75.0	...	16.7	8.3	...	...	...	



WATER ANALYSIS:

TABLE No. V.

Chlorination data for 1941.

Month.	No. of sam- ples of water tested for free chlorine and for inter- fering sub- stances.	Quantity of water filtered in million gallons per day.			Dose of chlorine in p. p. m.			Lbs. of chlorine used per month.	Cost of chlorine per lb. Rs. A. P.	Total cost. Rs. A. P.	Average No. of beds worked per day during the month.	Remarks
		Max.	Min.	Mean.	Max.	Min.	Mean.					
January	780	22.66	20.32	21.50	1.01	0.93	0.97	6471.75	0 8 6	3,438 1 10½	9 Nos.	
February	656	22.66	20.16	21.51	1.07	0.95	0.99	5953.00	" "	3,162 8 6	9 "	
March	731	22.66	20.66	21.73	1.10	0.92	0.99	6678.50	" "	3,547 15 3	9 "	
April	771	23.66	21.32	22.67	1.13	0.92	1.03	7083.00	" "	3,762 13 6	9 "	
May	852	23.67	22.66	23.09	1.05	0.98	1.02	7308.00	" "	3,882 6 0	9 "	
June	786	23.67	21.66	22.74	1.11	1.00	1.05	7159.00	" "	3,803 3 6	10 "	
July	825	24.00	22.66	23.09	1.12	1.01	1.06	7618.50	" "	4,047 5 3	9 "	
August	826	24.81	22.32	23.04	1.28	1.08	1.13	8117.75	" "	4,312 8 4½	9 "	
September	796	24.00	21.66	22.84	1.37	0.98	1.06	7448.50	" "	3,957 0 3	8 "	
October	808	27.00	21.00	23.00	1.23	1.01	1.10	7825.50	" "	4,157 4 9	10 "	
November	746	23.66	21.66	22.44	1.15	1.02	1.08	7274.00	" "	3,864 5 0	10 "	
December	832	23.66	21.66	22.27	1.18	0.99	1.07	7423.50	" "	3,943 11 9	9 "	

## WATER ANALYSIS.

TABLE No. VI.

Percentage reduction of organic matter (Tidy's 4 hours Test) at different stages of the Water Purification System for each month of the year 1941.

Month.	Raw water Kilpauk end.	Filtrates from beds before chlorination.		Test Tap K. P. S.		Distribution system.		Remarks.
	O. A.	O. A.	% Reduction over R. W.	O. A.	% Reduction over R. W.	O. A.	% Reduction over R. W.	
January ...	0.139	0.105	24.4	0.083	40.3	0.057	59.0	
February ...	0.157	0.127	19.1	0.103	34.4	0.120	23.5	
March ...	0.167	0.137	17.9	0.118	29.3	0.096	42.5	
April ...	0.168	0.132	21.4	0.110	34.5	...	...	
May ...	0.184	0.145	21.2	0.120	34.8	0.131	28.8	
June ...	0.166	0.144	13.2	0.118	28.9	0.092	44.6	
July ...	0.191	0.163	14.6	0.137	28.3	0.147	23.0	
August ...	0.199	0.166	16.6	0.136	31.7	0.127	36.2	
September ...	0.177	0.161	9.0	0.128	27.8	0.113	36.1	
October ...	0.177	0.152	14.1	0.117	33.9	0.101	42.9	
November ...	0.147	0.113	23.1	0.082	44.2	0.072	51.0	
December ...	0.128	0.103	19.5	0.084	34.4	0.058	54.6	

\* Oxygen absorbed.



TABLE No. I.

## FOOD ANALYSIS.

	1941		1934		1935		1936		1937		1938		1939		1940	
	Number of sam- ples analysed.	Number of adul- terated samples.	Percentage of adulterated sam- ples.	Number of sam- ples analysed.	Percentage of adulterated sam- ples.	Number of sam- ples analysed.	Percentage of adulterated sam- ples.	Number of sam- ples analysed.	Percentage of adulterated sam- ples.	Number of sam- ples analysed.	Percentage of adulterated sam- ples.	Number of sam- ples analysed.	Percentage of adulterated sam- ples.	Number of sam- ples analysed.	Percentage of adulterated sam- ples.	Number of sam- ples analysed.
Ghee & Ghee Mixtures	706	278	39.3	460	44.5	340	523	28.9	484	31.6	715	40.1	573	37.0	773	48.3
Butter	94	32	34.1	114	27.2	44	98	37.8	122	19.7	73	17.8	65	26.2	102	44.1
Milk	283	86	30.4	105	41.9	90	74	28.4	80	33.8	110	32.8	107	36.4	288	31.1
Gingelly Oil	657	51	7.8	259	27.8	305	246	5.3	263	9.1	341	11.4	395	20.0	511	6.5
Ground-nut Oil	153	28	18.3	...	...	...	62	37.1	71	23.9	134	42.6	43	41.9	93	21.5
Cocoanut Oil	1	1	100.0	1	...	...	...	...	30	...	...	...	1	...	1	...
Coffee Powder	48	1	2.1	26	...	18	8	...	20	...	23	...	24	25.0	43	9.3
Tea	29	...	...	21	...	9	2	...	13	...	32	...	18	...	37	...
Ghee Substitutes	8	3	37.5	...	...	...	12	...	10	10.0	21	33.3	19	21.1	23	69.6
Other Articles	11	4	36.4	...	...	...	3	33.3	1	...	2	100.0	1	...	...	...
Total	1990	484	24.3	986	35.7	806	1028	23.9	1094	22.5	1451	30.4	1246	30.1	1871	31.0



FOOD ANALYSIS.

TABLE No. II.

Nature of samples.	Adulterated samples among the samples analysed in 1941.			Adulterated samples of the previous year pending disposal on 1-1-1941.			Total number of adulterated samples dealt with during 1941.			Total fines levied in 1941.		Average fine per conviction in 1941.		Total fines levied in 1940.		Average fine per conviction in 1940.			
	Number of samples.	Number of convictions.	No. seized under Section 9 and forfeited or destroyed under Section 12 without prosecution.	Number taken under Section 14, but acquitted, withdrawn or not prosecuted.	Number pending disposal on 31-12-1941.	Number of samples.	Number of convictions.	Number seized under Section 9 and forfeited or destroyed under Section 12 without prosecution.	Number taken under Section 14, but acquitted, withdrawn or not prosecuted.	Number pending disposal on 31-12-1941.	Number of samples.	Number of convictions.	Number seized under Section 9 and forfeited or destroyed under Section 12 without prosecution.	Number taken under Section 14, but acquitted, withdrawn or not prosecuted.	Number pending disposal on 31-12-1941.	Rs. A.	Rs.	Rs. A.	Rs.
Ghee & Ghee Mixtures.	278	38*	227	..	13	11	7+	..	2\$	2	289	45	227	2	15	1921 0	43	1921 0	43
Butter	32	26	..	1	5	8	4	..	..	4	40	30	..	1	9	525 8	18	525 8	18
Milk	86	66	..	..	20	18	16	..	1	1	104	82	..	1	21	1739 8	21	1824 0	23
Gingelly Oil	51	45	..	..	5	8	7	..	1	..	59	52	1	1	5	1398 0	27	604 8	21
Ground-nut Oil	28	24	1	1	2	3	2	..	1	..	31	26	1	2	2	451 8	17	277 8	16
Cocoanut Oil	1	1	..	..	..	..	..	..	..	..	1	1	..	..	..	12 8	13	..	..
Coffee Powder	1	1	..	..	..	..	..	..	..	..	1	1	..	..	..	15 8	16	..	..
Tea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ghee Substitutes	3	1	1	..	1	..	..	..	..	..	3	1	1	..	1	..	20	..	..
Other Articles	4	3	..	1	..	..	..	..	..	..	4	3	..	1	..	40 8	14	..	..
Total	484	205	230	3	46	48	36	..	5	7	532	241	230	8	53	6124 0	25	6888 0	26

\* Includes one sample convicted and also article forfeited.

+ Includes two samples convicted and also articles forfeited.

\$ Includes one sample where article was forfeited.



**ANNUAL REPORT OF THE MATERNITY AND CHILD WELFARE  
SCHEME, CORPORATION OF MADRAS, 1941.**

The year under report shows steady progress in all its branches and some expansion as well. The prenatal work which forms an important part of the activities of the Child Welfare Scheme has met with success and adequate response. There was a remarkable increase in the number of prenatal cases. The infantile mortality rate also has been considerably reduced and, in fact, it is the lowest recorded since the inauguration of the Scheme.

A new centre at Mirsaibpet, a backward locality, was opened on 25-10-41 for the residents of Mirsaibpet. To some extent this relieved the congestion noticed in Triplicane centre. The centre continued to be popular. Including this centre there are now 15 Child Welfare Centres. Provision was also made during the year to open a maternity ward with two beds at Chetput Centre, which was opened on 2-2-42.

*Staff* :—During the year under report, the Lady Superintendent continued to be in charge of the Scheme assisted by 15 Lady Doctors and one relieving Lady Doctor, 32 Health Visitors and 110 Midwives.

Two batches of six midwives each were sent for Refresher course to Rajah Sir Ramasawmy Mudaliar Lying-in-hospital for a period of three months at a time from 1-7-41 and 1-10-41 respectively. One Lady Doctor was also sent for post graduate course in maternity and child welfare under the Director of Public Health for a period of 8 weeks from 4-2-41.

*Prenatal Clinic* :—The prenatal clinics continued to gain popularity. There was a marked increase in the number of *Booked cases*. 19,643 new booked cases attended the prenatal clinics held in the various centres as against 18,508 for the year 1940 and 15,745 for the year 1939. During the year, 2,140 prenatal clinics were conducted in all the centres by the Lady Doctors and the total attendance was 87,283. The Lady Doctors continued to do useful work as will be seen from the report (*vide* Statements III & IV).

*Maternity Service* :—Out of a total of 32,770 births in the city, 14,984 labour cases including 125 twins came under the care of the Scheme which is 45.7% as against 14,489 in 1940 (41%) and 14,201 in 1939 (44.8%).

13,215 labour cases were conducted by the midwives of the Scheme, 105 cases were taken over after the labour was conducted by barber women and 1,064 cases were sent to various maternity hospitals in the city before delivery as some of them were complicated and others were destitutes. 11,629 were Hindus and Non-Muslims and 3,355 were Muslims (*vide* Statement I).



The midwives paid 1,75,605 visits during the year as against 1,68,015 during 1940 and 1,62,759 in 1939. The total number of visits paid by Health Visitors was 1,57,351 as against 1,55,894 for the year 1940 and 1,27,739 for the year 1939. The Lady Doctors paid 15,671 visits as against 14,577 for 1940 and also treated 4,472 morbid cases (*vide* Statements II & V).

The amount realised during the year by way of maternity service on payment system to persons whose income exceeded Rs. 50/- and below Rs. 200/- per mensem was Rs. 1,138-8-0 as against Rs. 1,050-8-0 of the preceding year.

*Maternal Mortality* :—During the year, 14,984 cases of labour came under the care of the Scheme for which there were only 40 cases of maternal mortality which were as follows:—

Hospital	...	31	} 40
Private doctor	...	1	
Vaidiyan	...	5	
C.W.S.	...	3	

This works out a maternal mortality rate of 2·6 per mille as against 2·5 per mille for 1940 and 3·0 per mille for 1939.

*Infantile Mortality* :—This is the lowest on record. 14,489 babies who were born during the year 1940 were kept under observation during their first year of life. The number of still births was 383. The mortality among live births was 1,458 as against 1,596 in 1940. This works out an infantile mortality rate of 103·4 as against 115·8 per mille in 1940 and 114·8 for the year 1939 (*vide* Statements VII & VIII).

*Out Patient Clinic* :—An out-patient clinic was conducted in all the centres by the Lady Doctors, where infants, pre-school children, expectant and nursing mothers were examined, advised, and treated for minor ailments. The total number of new cases that were treated and advised was 89,996 as against 76,738 for 1940. The new and old cases came to 3,17,922. 2,888 clinics were held for infants and toddlers. The total attendance was 39,143 as against 32,841 for 1940. 24,313 were new infants and 14,830 were new toddlers. 1,444 clinics were held for nursing mothers and the total attendance was 84,213. 689 mothers' classes were held and the attendance was 10,017 (*vide* Statement XI).

*Milk Supply* :—Cow's milk was supplied to 581 deserving babies during 1941 as against 609 in 1940 and 468 in 1939. The total attendance was 1,31,429 as against 1,57,650 for 1940 and 1,09,036 for 1939. 3,242 expectant mothers also were given cow's milk during the year as against 2,052 for 1940 and 1,303 for 1939 (*vide* Statement IX).



*Baths*:—1,027 babies were given warm bath during the year as against 811 babies for 1940 and 652 for 1939 (*vide* Statement X).

*Ambulance*:—The Scheme maintained an Ambulance car to convey emergency labour cases to various hospitals in the city. 1,223 requisitions were made for the Ambulance car during 1941 as against 870 during 1940 and 897 during 1939. After the retirement of the permanent Ambulance car driver on 16-4-41 from service, two drivers were appointed in accordance with the sanction of the Council dated 23-4-41 to work by shifts during day and night.

*Health Propaganda*:—858 lectures on matters of health were delivered during the year as against 628 for 1940 and 615 for the year 1939. Out of these 346 were out-door lectures, 281 were conducted with the aid of Magic lantern and 22 were cinema shows. The total attendance was 25,216. 281 health talks were also given by the Lady Doctors in all the Corporation Girls' Schools. The total attendance was 45,137 (*vide* Statement XII).

*Conclusion*:—There has been an appreciable increase in the work during the year under review which is an indication of the increasing confidence of the public in the Corporation Maternity Service.

H. V. KAMALAMMAL,

*Lady Superintendent,*

Maternity & Child Welfare Scheme,  
Corporation of Madras.

Madras, )  
30-6-42. }

## STATEMENT No. I.

Statement showing the cases of labour which came under the observation of the Child Welfare Scheme from 1st January to 31st December 1941.

CENTRES	How conducted			Total Cases	Caste		Remarks.
	By Nurses of Child Welfare Scheme.	Taken over after barber women conducted labour.	Taken to Hospital		Muslims	Non-Muslims	
Royapuram	1209	59	64	1332	142	1190	Twins 15
Washermanpet	1396	64	63	1523	1230	293	21
Muthialpet	1030	66	69	1165	323	842	12
George Town	1045	35	135	1215	59	1156	10
Park Town	619	29	74	722	3	719	4
Pulianthope	904	36	53	993	234	759	17
N. Perambur	504	54	44	602	102	500	4
Choolai	1212	56	107	1375	48	1327	6
Purasawalkam	986	70	110	1166	58	1108	10
Egmore	744	48	75	867	102	765	6
Chetput	180	15	81	276	15	261	2
Triplicane	1548	30	71	1649	726	923	6
Mirsaibpet	155	7	10	172	63	109	...
Royapettah	720	57	44	821	78	743	3
Mylapore	963	79	64	1106	172	934	9
Total ...	13,215	705	1,064	14,984	3,355	11,629	125

## STATEMENT No. II.

Number of visits paid by the staff of Child Welfare Scheme during the year 1941.

CENTRES	Visits paid by			Total
	Mid-wives	Health Visitors	Lady Doctors	
Royapuram ...	13487	11652	1221	26360
Washermanpet ...	17301	11129	1159	29589
Muthialpet ...	12826	12865	988	26679
George Town ...	16453	11316	1120	28889
Park Town ...	10294	10124	1075	21493
Pulianthope ...	13930	11422	1118	26470
N. Perambur ...	6167	7353	1018	14538
Choolai ...	14846	16798	1151	32795
Purasawalkam ...	15643	10835	1026	27504
Egmore ...	10570	12116	1214	23900
Chetput ...	3011	6848	1007	10866
Triplicane ...	17313	14726	1152	33191
Mirsaibpet ...	1759	1596	197	3552
Royapettah ...	9635	8989	1164	19788
Mylapore ...	12370	9582	1061	23013
Total ...	1,75,605	1,57,351	15,671	3,48,627



## STATEMENT No. III.

Statement showing the number of Pre-Natal cases registered and number of Booked cases conducted by Child Welfare Scheme during 1941

Centres.	Number of P.N. cases registered by H. Vs.	Number of booked cases which attended the P.N. Clinics	Number of Booked cases conducted by						Total.
			C. W. Staff.	Barber Women.	Hospital.	Private Doctors.	Cases not traceable.	Cases not confined	
Royapuram ...	1766	1706	774	115	442	5	147	223	1706
Washermanpet ...	1168	2021	961	273	402	1	111	273	2021
Muthialpet ...	926	1417	687	32	56	71	300	271	1417
George Town ...	1021	1863	812	123	258	18	446	206	1863
Park Town ...	1111	959	455	90	224	7	77	106	959
Pulianthope ...	895	1137	513	150	158	12	110	194	1137
N. Perambur ...	591	857	360	37	42	13	174	231	857
Choolai ...	876	1704	881	159	206	9	241	208	1704
Purasawalkam ...	1490	1561	645	139	228	21	328	200	1561
Egmore ...	1172	1293	541	123	378	7	112	132	1293
Chetput ...	428	362	112	23	107	17	47	56	362
Triplicane ...	1184	2078	1260	90	334	22	262	110	2078
Mirsaibpet ...	178	180	69	13	24	4	35	35	180
Royapettah ...	748	960	400	148	205	10	90	107	960
Mylapore ...	884	1545	791	201	249	4	188	112	1545
Total ...	14,438	19,643	9,261	1,716	3,313	221	2,668	2,464	19,643

STATEMENT No. IV.

Pre-Natal cases registered and diseases and ailments of pregnancy diagnosed and patients advised for treatment.

CENTRES.	DISEASES AND AILMENTS																											Total.													
	Constipation.	Dyspepsia.	Scanty Urine.	Dysentery.	Bronchitis.	A. P. H.	Stomatitis.	Fever.	Leucorrhoea.	Albuminuria.	Anaemia.	Diarrhoea.	Debility.	Neuritis.	Ring Worm.	Swelling.	Skin affection.	Asthma.	Varicose Veins.	Malaria.	Eclampsia.	Heart Burn.	V. D. H.	Giddiness.	Ulcerated Vulva.	Gastritis.	Scabies.		Worms.	Morning Sickness.	Retention of Urine.	Breast Abscess.	Normal.	Jaundice.	Influenza.	General Anasarca.	Other Diseases.	Paralysis.	Ear & Eye Diseases.	Enteritis.	Pyrexia.
Royapuram	262	51	118	16	95	9	48	16	4	79	383	8	97	810	1711	114	1	45	9	4	5	6	4	2	1	5	5	129	4	6	21	206	1706								
Washermanpet	306	5	121	89	25	...	80	...	...	125	255	85	124	110	3	31	...	2	5	1	194	...	...	136	2	1	5	5	2	...	320	2921									
Muthialpet	204	67	65	7	56	2	48	25	7	3	116	20	115	10	4	3	2	3	4	9	...	3	4	4	...	229	35	3	191	35	139	1417									
George Town	943	98	30	18	47	...	54	7	...	3	165	18	21	...	1	...	...	4	5	...	16	...	...	133	...	...	...	33	...	1	10	253	1863								
Park Town	86	4	28	12	41	...	75	33	4	34	95	21	57	...	2	...	...	6	...	...	6	...	...	301	...	...	8	10	...	23	112	959									
Pulianthope	159	194	102	17	45	...	43	8	1	...	20	3	...	14	3	...	...	1	...	2	12	19	...	242	...	...	12	...	18	182	1137										
N. Perambur	115	9	17	22	21	...	61	3	...	12	172	10	53	...	2	3	...	2	5	...	...	10	...	194	...	14	2	8	...	3	98	857									
Choolai	368	15	82	17	48	...	36	9	12	14	39	36	6	1	3	1	10	5	...	2	4	3	1	8	1	15	77	...	39	207	1704										
Purasawalkam	410	63	137	23	51	...	...	27	4	4	168	27	144	...	1	...	...	1	...	...	...	...	...	217	...	7	26	...	8	244	1561										
Egmore	666	60	79	11	8	...	44	5	...	...	26	7	40	1	1	2	...	1	2	...	32	...	2	1	8	7	78	...	21	116	1293										
Chetput	130	...	53	5	5	...	5	...	...	...	26	1	...	...	...	...	...	...	...	2	1	...	...	74	...	1	...	...	...	55	362										
Triplicane	358	74	53	31	44	1	34	20	...	9	295	31	156	26	320	...	8	3	4	11	20	...	2210	2115	5	443	10	32	1	66	10	8	11	24	199	2078					
Mirsaibpet	55	10	12	2	...	...	18	...	2	1	5	3	7	...	2	...	...	1	...	...	...	...	...	56	...	...	...	...	...	5	...	180									
Royapettah	140	10	105	13	17	...	36	6	...	11	66	6	67	...	5	...	3	...	2	3	10	...	316	...	1	33	...	...	...	107	960										
Mylapore	344	255	127	11	12	...	84	12	...	2	108	9	42	1	1	...	...	...	...	...	...	...	434	...	8	3	...	...	...	91	1545										
Total	4546	915	1129	294	592	12	666	17134	297	1939	285	929	170	2632	3740	453	826	9783	6	276	3418	51	19	12	34	10	125	20	668	...	14	32	25	207	3329	1964					



**STATEMENT No. V.**  
**Maternal Morbidity (Puerpera) 1941.**

CENTRES.	Anaemia.	Albuminuria.	Malaria.	V. D. H.	Bronchitis.	Dysentery.	Influenza.	Retained Membrane.	Adherent Placenta.	Retained Placenta.	Klamydia.	Pneumonia.	T. B.	Ulcerated Vagina.	Retention of Urine.	Syphilis.	Fever.	Asthma.	Diarrhoea.	Jaundice.	Gastritis.	Constipation.	Mastitis and Breast Abscess.	A. P. H.	P. P. H.	Skin Disease.	Stomatitis.	Sepsis.	Ulcerated Vulva.	Fever and Hyperpyrexia.	After Pains.	General Anaesæa.	Debility.	Swelling.	Perinium Tear.	Oedema.	Eczema.	L. P.	Indigestion.	Other Diseases.	Total.
Royapuram	207	2	7	1	7	14	14	...	...	...	1	...	...	...	4	...	...	2	7	8	4	42	8	...	7	41	2	1	68	14	...	65	...	51	1	4	2	11	71	652	
Washermanpet	33	10	19	...	4	18	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	170
Muthialpet	30	11	7	2	14	7	2	...	3	7	2	3	...	...	...	...	...	1	8	...	...	7	2	3	...	4	...	...	17	18	...	9	...	3	7	...	...	...	5	25	215
George Town	92	...	...	...	5	6	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	93	...	...	...	20	...	...	...	...	...	2	...	21	...	...	...	...	...	...	346
Park Town	46	...	...	...	26	...	...	...	...	...	...	...	...	...	...	44	...	...	...	...	...	29	...	...	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	253	
Pulianthope	22	22	7	10	22	34	2	2	2	3	19	11	36	4	...	...	...	5	25	4	28	50	1	3	224	21	2	3	33	26	9	10	17	9	15	5	2	14	...	507	
N. Perambar	34	4	5	...	7	7	6	...	1	1	...	1	...	...	...	...	...	2	6	...	...	18	1	...	4	14	...	...	2	...	11	...	18	...	3	...	...	1	7	27	180
Choolai	29	16	2	14	18	20	20	...	2	1	11	10	...	...	...	7	5	17	...	...	6	35	2	4	6	8	17	3	...	39	5	25	7	7	6	1	...	14	9	355	
Purasawalkam	48	15	20	...	38	4	19	...	3	2	...	...	...	...	...	...	...	4	9	2	1	86	2	...	3	14	...	...	14	4	12	1	3	4	1	...	11	13	333		
Egmore	83	...	...	...	15	16	11	...	2	1	...	...	...	2	1	...	...	...	...	12	...	18	119	1	1	...	34	...	...	85	...	13	...	...	...	...	1	...	...	412	
Chetput	2	...	...	...	1	...	...	...	3	...	...	1	...	...	...	...	...	...	1	...	...	6	...	...	1	...	...	...	...	...	...	...	...	1	3	...	6	...	4	37	
Triplicane	104	5	6	1	12	15	24	...	1	3	...	...	4	2	3	...	...	...	23	...	6	118	...	...	2	19	15	...	15	24	...	46	27	3	...	...	...	...	22	40	537
Mirsalbpet	17	2	...	...	4	4	...	...	...	...	...	...	...	...	...	3	...	...	4	...	...	12	...	...	9	...	...	...	...	...	5	3	...	...	...	3	...	...	...	79	
Royapettah	23	3	...	...	11	7	8	...	...	...	...	...	...	...	...	...	...	...	4	...	9	15	...	2	4	15	...	...	1	8	...	12	...	...	...	1	3	...	5	132	
Mylapore	48	15	1	25	6	17	3	...	6	...	...	...	...	...	...	23	...	...	28	...	...	2	2	1	4	37	...	...	...	...	23	...	...	...	...	...	...	...	23	264	
<b>Total</b>	<b>818</b>	<b>105</b>	<b>79</b>	<b>17</b>	<b>205</b>	<b>156</b>	<b>109</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>7</b>	<b>924</b>	<b>39</b>	<b>58</b>	<b>8</b>	<b>132</b>	<b>19</b>	<b>199</b>	<b>14</b>	<b>72</b>	<b>683</b>	<b>19</b>	<b>10</b>	<b>12</b>	<b>57</b>	<b>281</b>	<b>23</b>	<b>6</b>	<b>135</b>	<b>365</b>	<b>18</b>	<b>240</b>	<b>56</b>	<b>95</b>	<b>54</b>	<b>12</b>	<b>20</b>	<b>84</b>	<b>217</b>	<b>4,472</b>	

STATEMENT No. VI A.

Maternal Mortality (Puerperal) among cases treated by Child Welfare Scheme for 1941.

Centres.	Tuberculosis.	Dysentery.	V. D. H.	Adherent Placenta.	Eclampsia.	Sepsis.	Tetanus.	P. P. H.	Advanced anaemia.	Heart Failure.	Shock.	Pulmonary Embolism.	S.C.S. Throat affection	Total.
Royapuram	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washermanpet	...	...	...	...	1	...	...	...	...	...	...	...	...	1
Muthialpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...
George Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Park Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulianthope	...	...	...	...	...	1	...	...	...	...	...	...	...	1
N. Perambur	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Choolai	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Purasawalkam	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Egmore	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chetput	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Triplicane	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mirsaibpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Royapettah	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mylapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.	...	...	...	...	1	1	...	...	...	1	...	...	...	3

STATEMENT No. VI B.

Statement showing deaths among cases brought to notice of the Child Welfare Scheme in 1941 but not under treatment.

Centres.	Royapuram.	Wahermanpet.	Muthialpet.	George Town.	Park Town.	Pulianthope.	N. Perambur.	Choolai.	Purasawalkam	Egmore.	Chetput.	Triplicane.	Mirsaibput.	Royapettah.	Mylapore.	Total.
In Hospitals	7	2	3	2	4	4	2	2	4	1	4	1	...	...	...	31
Under Private Doctors	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Under Vydiams treatment	...	...	1	...	...	...	3	...	1	...	...	...	...	...	...	5
Under Barber Women	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	7	2	4	2	4	7	2	2	5	2	5	2	...	...	...	37



STATEMENT No. VI. C.

Statement showing the causes of deaths among cases brought to the notice of the Child Welfare Scheme but not under our treatment in 1941.

Centres.	T. B.	(General Ana-sarca.	Toxaemia	Fever (Enteric)	Retained Pla-centa.	Adherent Placenta.	Eclampsia.	Uranic Coma.	Cholera.	V. D. H.	Placenta Previa.	Diarrhoea.	Sepsis.	Pneumonia.	P. P. H.	Dysentery.	Anaemia.	Heart Failure.	Forceps con-tracted Pelvis.	Post operation shock.	Small-pox.	Rupture of Uterus.	A. P. H.	Haemorrhage.	Paralysis.	Hyper pyrexia	Total.
Royapuram	...	...	...	...	2	...	1	...	...	...	...	...	...	...	2	...	...	...	1	...	...	1	1	...	...	...	7
Washermanpet	...	...	...	...	...	...	1	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	2
Muthialpet	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
George Town	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	0
Park Town	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Pulianthope	...	...	...	...	...	...	1	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
N. Perambur	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Choolai	...	...	...	...	2	...	1	...	...	...	...	...	P.U. 2+1	...	...	...	...	...	...	1	...	...	...	...	...	...	7
Purasawalkam	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	2
Egmore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chetput	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Triplicane	...	...	...	...	1	1	2	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	5
Mirsaibpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
Royapettah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
Mylapore	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Total	1	1	...	...	5	1	6	...	...	9	...	...	5	...	9	...	...	2	1	1	...	2	1	1	2	...	37

## STATEMENT No. VII.

Ages at deaths of Infants born during 1940 and kept under observation during the 1st year of life.

From 1st January 1940 to 31st December 1940.	Total infants born in 1940	Still born	Died within				Total deaths exclud- ing still births	Left City or other- wise not traceable	No. of living chil- dren traceable when one year old
			10 days	1 to 3 Months	3 to 6 Months	6 to 12 Mon- ths			
Royapuram ...	1311	34	52	23	21	21	117	190	970
Washermanpet ...	1472	34	35	13	10	17	75	48	1315
Muthialpet ...	1147	40	32	27	27	54	140	171	796
George Town ...	1318	47	53	29	29	43	154	183	934
Park Town ...	407	10	9	9	9	16	43	84	270
Pulianthope ...	1132	31	25	43	41	39	148	220	733
N. Perambur ...	326	15	13	8	8	3	32	83	196
Choolai ...	1369	23	33	39	37	83	192	130	1024
Purasawalkam ...	1120	34	13	21	19	49	102	191	793
Egmore ...	945	20	14	31	30	43	118	104	703
Chetput ...	297	5	10	8	5	20	43	59	190
Triplicane ...	1544	24	31	23	34	53	141	409	970
Mirsaibpet ...	...	...	...	...	...	...	...	...	...
Royapettah ...	816	27	17	16	16	16	65	83	641
Mylapore ...	1285	39	27	19	18	24	88	196	962
Total ...	14,489	383	364	309	304	481	1458	2,151	10,497



STATEMENT No. VIII.

Causes of death among infants born in 1940 and kept under observation during the first year of life.

CENTRES.	Total infants born in 1940.	Still born.	Died within 10 days.	Pneumonia.	Fever.	Enteritis.	Small-pox.	Bronchitis.	Malnutrition.	Convulsions.	Whooping cough.	Drugged with native medicine.	Dysentery.	Debility.	Measles.	Abscess.	Syphilitic Eruptions.	Skin disease.	Constipation.	Rickets.	Scabies.	Jaundice.	Causes unknown.	Diarthoea.	Indigestion.	Influenza.	Vomiting.	Swelling.	Vaccination.	Total deaths.	Left city or not traceable.	No. of living children traceable.
Royapuram	...	34	52	2	14	2	2	3	2	2	3	2	2	6	...	4	...	...	2	5	2	...	5	6	...	...	1	...	117	190	970	
Washermanpet	...	34	35	...	22	...	3	...	3	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	75	48	1315	
Muthialpet	...	40	32	1	30	5	...	3	1	11	...	...	1	...	...	...	1	2	3	4	...	1	13	12	...	3	...	140	171	796		
George Town	...	47	53	9	32	12	...	...	4	4	...	4	4	4	...	...	...	...	...	...	...	...	8	22	...	...	...	...	153	183	934	
Park Town	...	10	9	3	12	...	...	1	...	1	...	2	1	...	...	1	...	1	...	...	...	...	6	15	...	...	...	...	52	84	270	
Palianthope	...	31	25	1	35	16	...	5	...	13	...	...	6	1	...	...	...	...	...	...	...	...	16	30	...	...	...	...	148	156	630	
N. Perambur	...	15	13	1	1	...	...	3	...	1	1	...	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26	83	196	
Choolai	...	23	33	...	58	8	...	2	8	2	2	2	22	15	...	4	...	...	1	2	...	...	9	21	...	3	...	...	192	130	1024	
Parasawalkam	...	34	13	4	17	1	...	9	...	2	1	1	5	...	...	...	...	...	1	...	2	1	3	26	...	4	...	2	...	102	191	793
Egmore	...	20	14	3	54	11	...	4	...	17	2	...	4	...	...	1	...	...	...	...	1	...	2	5	...	...	...	...	118	104	703	
Chetput	...	5	10	1	18	4	...	2	...	3	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	43	59	190	
Triplicane	...	24	31	1	47	5	...	15	...	4	1	...	4	...	...	3	...	...	1	3	...	...	6	22	...	...	...	...	141	409	970	
Mirsaibpet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Royapettah	...	27	17	2	20	1	...	1	...	2	...	...	1	...	...	...	...	...	...	...	...	...	6	15	...	...	...	...	65	83	641	
Mylapore	...	39	27	1	18	...	...	3	3	1	7	...	7	...	...	2	...	...	...	...	...	3	1	16	...	...	2	...	88	196	962	
Total	14,489	383	364	29	378	65	...	46	11	69	16	13	65	43	...	16	1	7	14	4	9	2	75	217	...	8	3	5	1,460	2,087	10,394	

## STATEMENT No. IX.

Statement showing the No. of Children taken on for Milk Supply during 1941.				Statement showing the No. of expectant Mothers taken on for Milk Supply during 1941.		
Centres.	No. taken on for Milk Supply.	Yearly attendance.	Average daily attendance.	No. taken on for Milk Supply.	Yearly attendance.	Average daily attendance.
Royapuram ...	40	6405	17.5	147	681	1.8
Washermanpet .	32	7304	20.0	213	1131	3.0
Muthialpet ...	34	9695	26.5	150	1116	3.0
George Town ...	34	9235	25.3	199	1892	5.1
Park Town ...	45	9866	26.1	267	1569	4.3
Pulianthope ...	46	10486	28.7	420	916	2.2
N. Perambur ...	37	9185	25.1	127	2164	5.9
Choolai ...	59	15743	43.1	196	917	2.2
Purasawalkam .	37	9005	24.6	218	1413	3.8
Egmore ...	40	7367	20.1	250	2267	6.2
Chetput ...	36	7548	20.6	94	1167	3.1
Triplicane ...	46	12443	34.0	444	2316	6.4
Mirsaibpet ...	8	796	2.1	60	258	0.7
Royapettah ...	37	9995	27.3	155	1324	3.6
Mylapore ...	50	6356	17.4	302	2432	6.6
Total ...	581	1,31,429	358.4	3,242	21,563	57.9

## STATEMENT No. X.

Statement showing the No. of Children who were given free baths during 1941

Centres.	New Admission.	No. of baths given to babies.	Average daily attendance.
Royapuram ...	37	2258	6.1
Washermanpet ...	161	5458	14.9
Muthialpet ...	23	3387	9.2
George Town ...	34	3995	10.9
Park Town ...	42	4123	11.2
Pulianthope ...	42	3980	10.9
N. Perambur ...	37	4692	12.8
Choolai ...	59	5691	15.5
Purasawalkam ...	57	7413	20.3
Egmore ...	349	5153	14.1
Chetput ...	48	3943	10.8
Triplicane ...	47	6408	17.5
Mirsaibpet ...	8	368	1.0
Royapettah ...	38	4552	12.4
Mylapore ...	45	3627	9.9
Total ...	1,027	65,048	177.5



STATEMENT No. XI.

Statement showing total attendance at the Out-Patient Clinic wherein, Expectant & Nursing Mothers, Infants & Children upto 5 years of age are treated for minor ailments.

CENTRES.	ATTENDANCE AT CLINICS.										Total new atten- dance.	Grand Total.	DISEASES TREATED.								Total.
	Infants.		Pre School.		Expectant Mothers.		Nursing Mothers.		Respiratory.	Allimentary.			Skin affection.	Influenza.	Ear & Eye diseases.	Syphills.	Anaemia.	Malaria.	Other diseases.		
	New.	Old.	New.	Old.	New.	Old.	New.	Old.												New.	
Royapuram	2458	7683	1508	2556	1500	5517	3106	8158	2140	1952	360	743	158	33	723	154	2309	8572			
Washermanpet	2299	4711	595	722	2542	4933	1700	4985	1777	2050	245	63	54	5	361	297	2314	7136			
Muthialpet	1513	7603	128	433	1278	5324	2077	4901	1470	1857	186	392	74	1	620	148	648	5396			
George Town	1551	3913	1204	3043	1610	10247	1966	5896	1617	1681	154	957	43	...	1037	16	826	6331			
Park Town	1332	4983	682	1159	907	5191	1867	3524	665	837	188	135	32	6	344	96	2485	4788			
Pullanthope	2508	2550	2933	3680	955	2031	3652	7224	1983	1929	932	1365	667	...	99	...	3073	10048			
N. Perambur	1239	1409	1554	2017	759	4457	3568	6009	1225	1698	607	363	359	...	417	203	2248	7120			
Choolai	2514	4975	1267	1632	1497	3520	3382	9847	1014	2675	326	773	130	4	155	93	3490	8660			
Parasawalkam.	1678	2832	837	1043	1659	4621	2216	5193	789	998	208	659	253	11	657	176	2589	6340			
Egmore	1136	4859	472	642	1177	6107	2155	5178	1121	1627	198	599	48	4	308	14	1321	5240			
Chetput	765	977	794	895	307	1106	542	777	340	211	392	216	59	...	18	16	1156	2408			
Triplicane	1709	5780	464	1486	1879	7507	2066	6714	895	1187	254	895	49	4	1089	15	1730	6118			
Mirsalpet	309	769	228	251	184	733	282	786	267	400	75	87	16	...	75	4	79	1003			
Royapettah	1326	2880	839	958	853	3688	1509	3126	1296	941	338	359	88	6	462	45	992	4527			
Mylapore	1726	3976	935	1359	1454	3730	2194	5100	1326	1914	215	333	40	8	231	3	2245	6309			
Total	24,313	59,900	14,830	21,896	18,571	68,712	32,282	77,418	89,996	317922	17,919	21,957	4,648	7,939	2,070	6,506	1,980	27,505	89,996		







STATEMENT No. XIII.

Centres.	Municipal Divisions	Total No. of births from 1-1-41 to 31-12-41	No. of cases conducted by Corporation Midwives	Percentage of total births
Royapuram	{ 1	674	362	53.7
	{ 2	605	258	42.6
	{ 3	1584	589	42.6
Washermanpet	{ 4	1380	683	49.4
	{ 5	1389	713	51.3
Muthialpet	{ 6	356	170	47.7
	{ 7	713	352	49.3
	{ 8	303	112	36.9
	{ 9	608	259	42.5
	{ 10	433	137	31.6
George Town	{ 11	742	423	57.0
	{ 12	343	77	22.4
	{ 13	1077	545	50.0
Park Town	{ 14	713	300	42.0
	{ 15	370	144	38.9
	{ 16	497	175	35.2
Pulianthope	17	1325	904	68.2
N. Perambur	18	881	504	57.2
Choolai	{ 19	1425	823	57.7
	{ 23	891	389	43.6
Purasawalkam	{ 20	973	437	44.9
	{ 21	949	429	45.2
	{ 22	657	120	18.2
Egmore	{ 24	546	169	30.9
	{ 25	808	250	30.9
	{ 26	906	289	31.8
	{ 27	1137	36	3.1
Chetput	{ 28 part	656	152	23.1
	{ 29	491	108	21.9
Triplicane	{ 30	794	366	46.0
	{ 31	1121	539	48.0
	{ 32	1071	280	26.1
Mirsaiabet	{ 33	609	102	16.4
	{ 34	729	358	49.1
	{ 35 part			
Royapettah	{ 36	881	300	34.0
	{ 37	901	269	29.8
	{ 38	629	71	11.2
	{ 28 part			
Mylapore	{ 35 part	1665	657	39.4
	{ 39	549	235	42.8
	{ 40	389	129	33.7
Total	...	32,770	13,215	40.3

STATEMENT OF THE  
 OF

Year	Particulars	Amount	Total
1870	...	...	...
1871	...	...	...
1872	...	...	...
1873	...	...	...
1874	...	...	...
1875	...	...	...
1876	...	...	...
1877	...	...	...
1878	...	...	...
1879	...	...	...
1880	...	...	...
1881	...	...	...
1882	...	...	...
1883	...	...	...
1884	...	...	...
1885	...	...	...
1886	...	...	...
1887	...	...	...
1888	...	...	...
1889	...	...	...
1890	...	...	...
1891	...	...	...
1892	...	...	...
1893	...	...	...
1894	...	...	...
1895	...	...	...
1896	...	...	...
1897	...	...	...
1898	...	...	...
1899	...	...	...
1900	...	...	...
Total			...





