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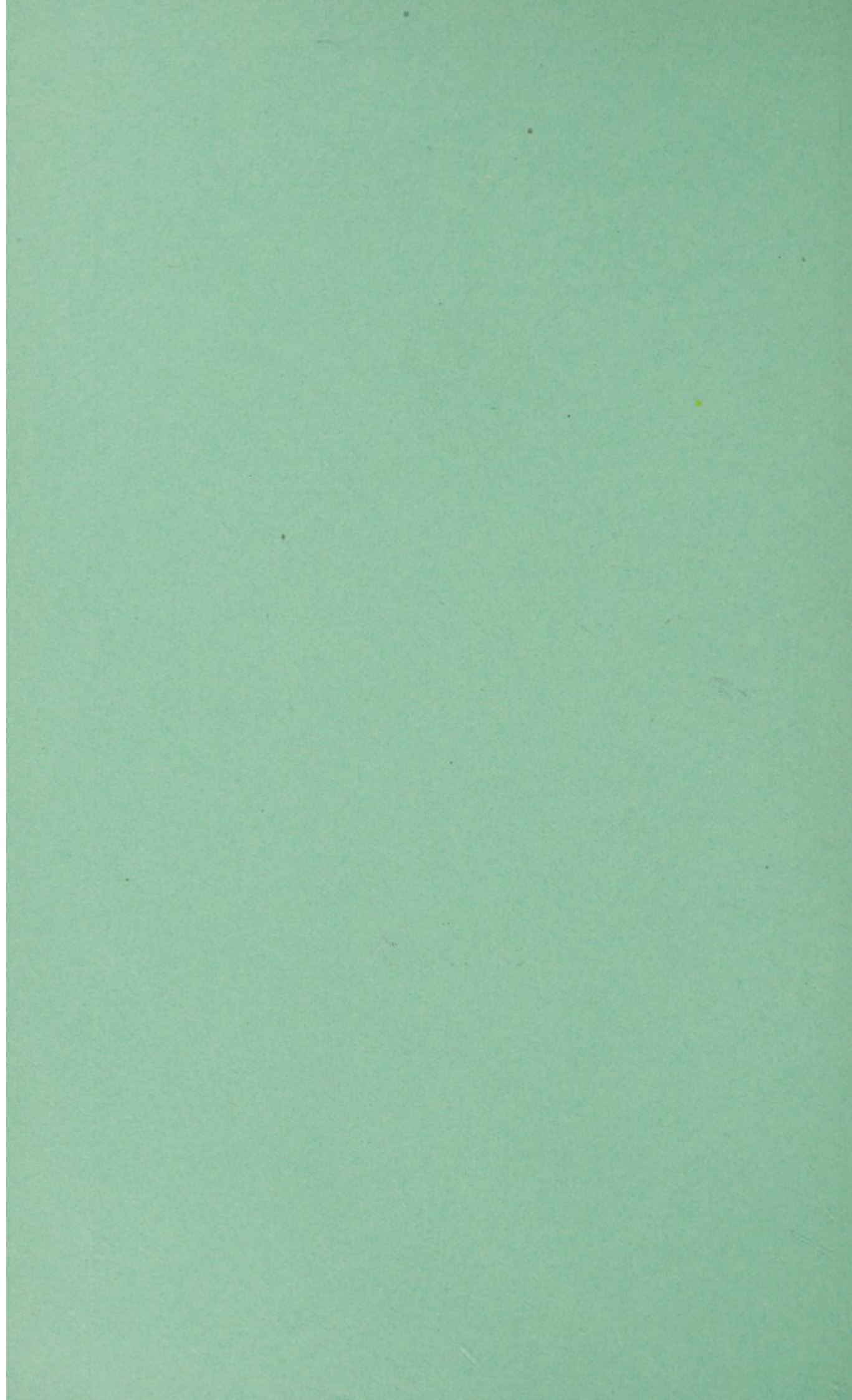
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ANNUAL REPORT
on the
HEALTH OF WORTHING
and
Meteorological Observations
for the Year
1953

G. H. PRINGLE,
M.R.C.S., L.R.C.P., D.P.H.
Medical Officer of Health



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HEALTH DEPARTMENT,
WORTHING LODGE,
STOKE ABBOTT ROAD,
WORTHING.

August, 1954.

To the Mayor, Aldermen and Councillors of the Borough of Worthing.

MR. MAYOR, LADIES AND GENTLEMEN,

I present herewith my seventh Annual Report on the Health of Worthing, together with the Meteorological Observations for the year.

Statistics :

A detailed analysis of the 1951 Census returns is not yet available, but there is little doubt that these will show that the number of aged persons in the Borough has increased compared with those published in 1947 ; the latter revealed that the percentage of the total population in the "pensionable age" groups was 28.6, compared with an average of 13.6 for England and Wales. This, of course, has important repercussions on all health services.

Reference to Table V on page 16 of this report shows that the gap between births and deaths is higher than it has ever been before, and this also indicates that the town's population is becoming still further unbalanced.

Infectious Diseases :

Of the common notifiable infectious diseases measles, which has a biennial incidence, reached epidemic proportions in the spring, but whooping cough was less prevalent than usual. For the sixth year in succession there were no cases of diphtheria. There were sixteen cases of acute poliomyelitis, with two deaths.

Food Hygiene :

Although only three cases of food poisoning were notified, it should not be thought that there are any grounds for complacency. The public are co-operating well and are becoming increasingly conscious of the need for the hygienic handling of food, and it is hoped that the expected amendments to the present legislation will be of assistance.

At the end of the report there is a short summary of the work carried out in the Borough under the National Health Service Act, 1946, Part 3 Services.

I should like to express my appreciation of the helpful support and the interest taken in the Health Services of the Borough by the Chairman and Members of the Health Committee and by other members of the Council.

I would also like to acknowledge the excellent work carried out by Dr. Aitken, my Deputy, by Mr. White and the District Inspectors, and by every member of the clerical staff.

I am,

Mr. Mayor, Ladies and Gentlemen,

Your obedient servant,

G. H. PRINGLE,
Medical Officer of Health.

HEALTH COMMITTEE :

(as at 31st December, 1953)

THE WORSHIPFUL THE MAYOR (COUNCILLOR R. A. MITCHELL, J.P.)

Chairman : COUNCILLOR F. KENTON

Vice-Chairman : ALDERMAN F. J. NASH, F.S.A.A.

COUNCILLOR A. J. BARRETT
COUNCILLOR H. H. BARRETT
COUNCILLOR MRS. M. F. CALE
COUNCILLOR T. A. CLIFFORD

COUNCILLOR C. W. W. COOPER
COUNCILLOR E. E. KEYS
COUNCILLOR H. W. ROBERTS
COUNCILLOR MRS. D. E. RUDD

HEALTH DEPARTMENT STAFF :

(as at 31.12.53)

Medical Officer of Health

G. H. PRINGLE, M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health

J. C. AITKEN, M.B., CH.B., D.P.H.

Chief Sanitary Inspector :	...	...	S. S. WHITE, M.S.I.A., A.M.I.S.E.
Deputy Chief Sanitary Inspector :	...	...	H. F. JOWETT, M.S.I.A.
District Sanitary Inspectors :	...	...	D. E. PARKER, M.S.I.A. A. H. MATTHEWS, M.S.I.A. M. BLAKE, A.R.S.I

Clerical Staff :

Chief Clerk :	...	...	T. L. CANTON
Clerks :	...	...	MISS B. M. WHITE MISS N. CHEESMORE MRS. P. M. LOWE A. P. TURNER

Meteorological Observers :	...	...	T. L. CANTON D. E. PARKER
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Other Staff :

Rodent Operators :	...	...	F. J. MARIGOLD J. H. OGLESBY
Disinfector and General Assistant :	...		C. A. COZENS

GENERAL STATISTICS, 1953

Area of Municipal Borough, including foreshore	8512.742 acres
Population (Census 1921)	31,520
Population (Census 1931)	46,230
Population (Census 1951)	69,375
Registrar-General's Estimate of Resident Population (1953) ..	67,770
Number of inhabited houses (1921)	7,710
Number of inhabited houses (1953)	23,585
Rateable Value (1953)	£1,035,563
Sum represented by a penny rate, 1953	£4,250

BIRTH RATE. 9.0 per 1,000 population. Birth-rate after correction by the factor received from the Registrar-General, 10.7 per 1,000. (Number of births, 613).
England and Wales, 15.9 per 1,000.

DEATH RATES (all causes). 19.3 per 1,000 population. Death rate after correction by the factor received from the Registrar-General, 10.6 per 1,000. (Number of deaths, 1,308).

England and Wales, 11.4 per 1,000.

Infant rate, 27 per 1,000 live births. (Number of deaths, 16).

England and Wales, 27 per 1,000 live births.

Maternal rate, 1.63 per 1,000 births.

England and Wales, 0.76 per 1,000 births.

Tuberculosis rate, 0.04 per 1,000 population. (Number of deaths, 3).

England and Wales, 0.20 per 1,000 population.

MEAN ANNUAL TEMPERATURE (1953) 51.8 degrees Fahr.

HOURS OF BRIGHT SUNSHINE (1953), 1,885.1 hours; daily average, 5.17 hours; Summer, 7.51 hours; Winter, 2.81 hours.

TOTAL RAINFALL (1953) 24.33 inches

VITAL STATISTICS

The Registrar-General's estimate of the mid-year population of Worthing was 67,770, as compared with 67,530 in 1952, and this estimate has been adopted for the purposes of the statistics contained in this Report.

BIRTHS

The number of registered births (live and still) was 613, namely:—

		<i>Total</i>	<i>Male</i>	<i>Female</i>
Live Births—Legitimate	..	563	298	265
Illegitimate	..	36	18	18
Still Births—Legitimate	..	13	4	9
Illegitimate	..	1	1	—

The Registrar-General provides a factor for the purpose of rendering the birth-rate of the Borough comparable with that of a district the population of which is of standard age and sex distribution. Accordingly the birth-rate is now multiplied by this factor which represents the birth-rate for comparison with other districts. The birth-rate of Worthing for 1953 adjusted in this manner is raised from 9.0 to 10.7 per 1,000 of the population. The birth-rate for England and Wales is 15.9 per 1,000.

Birth-rate per 1,000 population:—

Live Births		8.83
Still Births		0.21

Birth-rate per 1,000 population after applying
"Area Comparability Factor":—

Live Births		10.41
Still Births		0.25

Birth-rate (Live and Still) per 1,000 population 9.0

Birth-rate (Live and Still) per 1,000 population
after applying "Area Comparability Factor" 10.7

Still Birth-rate per 1,000 (Live & Still) births 22.8

Illegitimate births numbered 37, or 6.03 per cent. of the total births.

STILL - BIRTHS

The registration of still-births is made compulsory by the Births and Deaths Registration Act, 1953.

During 1953 there were 14 still-births registered to Worthing residents representing a still-birth rate of 22.8 per 1,000 births (live and still) registered. Of the 14 still-births one was registered as illegitimate.

DEATHS

The number of deaths registered in the Borough during 1953 was 1,312. Of these 195 were deaths of non-residents and were transferred to the districts in which the persons ordinarily resided. There were, on the other hand, 191 deaths of Worthing residents registered outside the Borough. The total (corrected) number of deaths assigned to the Borough was 1,308 (males 569, females 739). This gives a recorded death-rate of 19.3 compared with 11.4 for England and Wales. This recorded death-rate, however, which is a crude rate, cannot be used to compare the mortality with that of other districts as the populations of all areas are not similarly constituted as regards the proportions of their sex and age group components.

The Registrar-General supplies an "Area Comparability Factor" and the crude death-rate multiplied by this figure can then be compared with the death-rate of the country as a whole or with the mortality of any other local area. The corrected death-rate so obtained is 10.6 per 1,000 population.

INFANT MORTALITY

During 1953 the deaths of 16 infants under one year of age were registered. The total number of live births registered during the year was 599, giving an infantile mortality rate of 27 per 1,000 live births.

The infantile mortality rate for England and Wales in 1953 was 27.

The mortality rate in Worthing among female infants has, during the last five years, been roughly half of that for male infants, the actual figures being females 8.3, males 15.1 per 1,000 births.

There were 11 deaths of infants during the first four weeks of life (or 68.8 per cent. of the total infant deaths) as compared with 6 deaths (or 54.6 per cent.) in 1952.

The causes of the 16 infant deaths are shown in detail on page 17.

MATERNAL MORTALITY

There was one maternal death during the year.

CANCER MORTALITY

The number of deaths of Worthing residents from cancer was 224 (males 92, females 132) as compared with 203 in 1952, 248 in 1951, 237 in 1950, 213 in 1949, 183 in 1948 and 200 in 1947. The death rate from the disease per 1,000 of the population was 3.16. The deaths from cancer constitute 17.1 per cent. of the total Worthing deaths during the year.

The following gives the comparative average death-rates from cancer in Worthing for quinquennial periods since 1910, and for each year since 1950:—

1910-1914	..	..	1.32	1940-1944	..	..	3.11
1915-1919	..	..	2.01	1945-1949	..	..	3.06
1920-1924	..	..	1.94	1950	..	..	3.47
1925-1929	..	..	2.29	1951	..	..	3.64
1930-1934	..	..	2.33	1952	..	..	3.01
1935-1939	..	..	2.53	1953	..	..	3.16

The following table shows the localisation of the disease in the case of the 224 deaths recorded.

Localisation					No. of deaths		
					Male	Female	Total
Stomach	..	..	..	..	11	8	19
Lungs	..	..	..	..	26	10	36
Breast	..	..	..	..	—	34	34
Uterus	..	..	..	..	—	9	9
Other and unspecified organs	..				55	71	126
Total ..					92	132	224

The mortality from cancer during the last 20 years is shown as follows:

Year	Deaths		Total	Death rate per 1,000 of the population
	Males	Females		
1934 ..	60	73	133	2.58
1935 ..	53	72	125	2.32
1936 ..	54	99	153	2.75
1937 ..	51	87	138	2.35
1938 ..	64	87	151	2.56
1939 ..	57	106	163	2.66
1940 ..	82	104	186	2.73
1941 ..	69	92	161	2.88
1942 ..	76	113	189	3.47
1943 ..	79	90	169	3.22
1944 ..	68	109	177	3.27
1945 ..	80	124	204	3.48
1946 ..	76	120	196	3.02
1947 ..	84	116	200	3.00
1948 ..	80	103	183	2.71
1949 ..	95	118	213	3.10
1950 ..	87	150	237	3.47
1951 ..	104	144	248	3.64
1952 ..	87	116	203	3.01
1953 ..	92	132	224	3.16

This death rate is considerably higher than that for the country as a whole, and this is accounted for by the high proportion of aged persons resident in the Borough.

INFLUENZA AND PNEUMONIA MORTALITY

There were 74 deaths from these diseases as against 46 in 1952, 69 in 1951, 57 in 1950, 46 in 1949 and 36 in 1948. The mortality rate per 1,000 of the population was 1.09, as compared with 0.68 in 1952, 1.02 in 1951, 0.83 in 1950, 0.63 in 1949 and 0.56 in 1948. The rate for England and Wales in 1953 was 0.71 per 1,000 population.

TUBERCULOSIS MORTALITY

Deaths from tuberculosis numbered 3, of which 2 (i.e. 67 per cent.) were due to pulmonary tuberculosis.

The death-rate from tuberculosis was 0.04 per 1,000 population, the lowest ever recorded in Worthing, compared with 0.31 in 1952, 0.26 in 1951, 0.37 in 1950 and 0.26 in 1949.

The rate for England and Wales in 1953 was 0.20 per 1,000 population.

DEATHS FROM HEART DISEASE

Of the 1,308 deaths, heart disease caused roughly 1 in every 3 (males 201, females 266). It represented 35.7 per cent. of the total deaths from all causes and was equivalent to a death rate of 6.89 per 1,000 of the population.

VITAL STATISTICS, 1908 - 1953. TABLE I

Year.	Births.		Deaths.				Registrar General's Popu- lation								
	All causes.		Infants under 1 year.		Maternal Mortality			Zymotic.		Tuberculosis		Cancer.			
	No.	R.*	No.	R.**	Sepsis.	Other Causes		Rate†	No.	R.*	No.	R.*	No.	R.*	
1908	531	19.9	414	15.6	58	109	1	4	9.42	18	0.67	37	1.39	47	1.77
9	518	19.0	360	13.2	39	75	—	—	—	12	0.44	45	1.65	33	1.21
10	548	19.7	388	13.9	36	66	1	—	1.89	8	0.28	43	1.55	41	1.47
11	532	17.4	397	13.0	56	105	—	—	—	50	1.64	37	1.21	45	1.47
12	486	15.5	355	11.3	20	41	—	—	—	5	0.16	37	1.18	37	1.18
13	504	15.6	400	12.4	34	67	1	1	3.97	12	0.37	27	0.84	39	1.22
14	483	14.6	428	13.0	29	60	—	1	2.07	18	0.54	34	1.03	42	1.27
15	457	14.2	507	15.9	28	61	—	3	6.56	14	0.44	56	1.75	49	1.53
16	468	15.5	418	15.5	31	66	—	—	—	7	0.18	46	1.66	58	2.09
17	359	11.9	415	15.0	23	64	—	—	—	9	0.32	41	1.48	63	2.28
18	419	12.9	511	17.7	32	76	—	—	—	13	0.45	38	1.32	73	2.53
19	376	12.1	478	15.7	21	56	1	—	2.39	4	0.13	35	1.15	49	1.61
20	583	18.5	434	13.7	23	39	—	—	—	6	0.19	29	0.92	50	1.58
21	487	15.5	441	14.0	29	59	1	2	5.43	7	0.20	32	1.02	63	1.99
22	404	12.8	472	15.0	21	52	1	—	1.95	2	0.08	35	1.11	59	1.87
23	401	12.8	428	13.6	18	45	1	1	3.89	4	0.14	26	0.83	55	1.75
24	426	13.3	537	16.6	21	49	—	1	2.35	2	0.07	32	0.99	81	2.51
25	442	13.4	452	13.7	21	48	—	1	2.26	9	0.27	28	0.85	60	1.82
26	423	12.1	536	15.3	17	40	—	1	2.36	5	0.14	30	0.85	90	2.56
27	432	11.9	571	15.7	20	46	1	2	6.94	7	0.19	28	0.76	84	2.31
28	462	12.2	548	14.4	17	37	1	1	4.33	12	0.31	26	0.68	87	2.29
29	494	11.9	684	16.5	12	24	—	1	2.02	4	0.10	34	0.82	103	2.49
30	534	12.6	640	15.1	18	36	—	2	3.75	3	0.07	37	0.87	104	2.46
31	553	12.5	690	15.5	20	37	2	2	7.23	5	0.11	46	1.04	101	2.28
32	513	11.0	781	16.8	20	39	4	3	13.64	9	0.20	39	0.84	101	2.17
33	514	10.6	715	14.7	18	38	2	—	3.89	6	0.12	33	0.68	104	2.14
34	615	11.9	756	14.6	12	20	—	1	1.63	3	0.06	34	0.66	133	2.58
35	621	11.5	744	14.0	25	40	1	—	1.61	4	0.07	36	0.67	125	2.32
36	687	12.4	870	15.6	23	35	—	3	4.36	3	0.05	25	0.45	153	2.75
37	729	12.4	916	15.6	33	45	—	—	—	2	0.03	42	0.72	138	2.35
38	712	10.8	917	15.5	20	29	—	1	—	4	0.07	31	0.52	151	2.56
39	763	12.4	1035	16.9	18	23	1	1	1.40	4	0.06	26	0.34	163	2.66
40	657	9.6	1165	17.6	32	49	—	2	2.60	4	0.07	48	0.70	186	2.73
41	590	10.1	1044	18.7	22	36	—	1	1.80	3	0.05	39	0.70	161	2.88
42	724	13.3	1116	20.5	25	35	1	1	2.80	3	0.05	23	0.42	189	3.47
43	775	14.3	1073	20.4	24	32	—	3	3.90	1	0.01	33	0.63	169	3.22
44	924	17.1	1037	19.2	40	44	—	2	2.10	10	0.18	23	0.42	177	3.27
45	811	13.8	1173	20.0	31	39	—	1	1.20	2	0.03	32	0.54	204	3.48
46	1059	16.3	1223	18.8	50	48	—	—	—	11	0.17	22	0.34	196	3.02
47	1003	15.0	1251	18.7	31	32	—	—	—	4	0.04	26	0.38	200	3.00
48	861	12.8	1103	16.3	20	24	—	—	—	—	—	23	0.34	183	2.71
49	818	12.0	1209	17.8	16	20	—	1	1.20	2	0.03	18	0.26	213	3.10
50	714	10.4	1336	19.5	22	31	—	1	1.40	3	0.04	25	0.37	237	3.47
51	699	10.3	1375	20.2	17	25	—	—	—	3	0.04	18	0.26	248	3.64
52	658	9.7	1235	18.3	11	17	—	2	2.04	—	—	21	0.31	203	3.01

* Per 1,000 Population. (unadjusted)

** Per 1,000 Live Births.

† Per 1,000 Total (Live & Still) Births.

TABLE II
BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY,
MATERNAL MORTALITY, AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES IN THE YEAR 1953
(Provisional figures based on Quarterly Returns).

	England and Wales	160 County Boroughs and Great Towns, including London	160 Smaller Towns (Resident Popu- lations 25,000 to 50,000 1951 Census)	London Administra- tive County	Worthing
Rates per 1,000 Population.					
Births:					
Live	15.5	17.0	15.7	17.5	10.4
Still	0.35	0.43	0.34	0.38	0.32
Deaths:					
All causes ..	11.4	12.2	11.3	12.5	10.6
Typhoid and ..					
Para-Typhoid..					
Fevers	0.00	0.00	—	—	0.00
Smallpox	0.00	0.00	0.00	—	—
Pneumonia ..	0.55	0.59	0.52	0.64	0.68
Tuberculosis ..	0.20	0.24	0.19	0.15	0.04
Whooping					
Cough	0.01	0.01	0.00	0.00	0.00
Diphtheria ..	0.00	0.00	0.00	—	0.00
Influenza	0.16	0.15	0.17	0.15	0.41
Acute					
Poliomyelitis & Polioencephalitis	0.01	0.01	0.01	0.01	0.03
Notifications:					
(corrected):					
Typhoid Fever	0.00	0.00	0.00	0.01	0.03
Paratyphoid					
Fever	0.01	0.01	0.01	0.01	0.02
Meningococcal					
Infection ..	0.03	0.04	0.03	0.03	0.00
Scarlet Fever	1.39	1.50	1.44	1.02	1.00
Whooping					
Cough	3.58	3.72	3.38	3.30	1.02
Diphtheria ..	0.01	0.01	0.01	0.00	0.00
Erysipelas ..	0.14	0.14	0.13	0.12	0.18
Smallpox	0.00	0.00	0.00	—	0.00
Measles	12.36	11.27	12.32	8.09	14.93
Pneumonia ..	0.84	0.92	0.76	0.73	0.38
Acute					
Poliomyelitis					
(including Polio- encephalitis)					
Paralytic	0.07	0.06	0.06	0.07	0.24
Non-Paralytic	0.04	0.03	0.04	0.03	0.00
Food Poisoning	0.24	0.25	0.24	0.38	0.04
Rates per 1,000 Live Births.					
Deaths:					
All causes under 1 year of age ..	26.8	30.8	24.3	24.8	26.7
Diarrhoea and Enteritis under 2 years of age ..	1.1	1.3	0.9	1.1	—
Rates per 1,000 Total Births (i.e., Live and Still).					
Maternal Mortality:	0.76	<— Not Available —>			1.63
Notifications: ..					
Puerperal Fever and Pyrexia ..	18.23	24.33	12.46	28.61	0.12

TABLE III

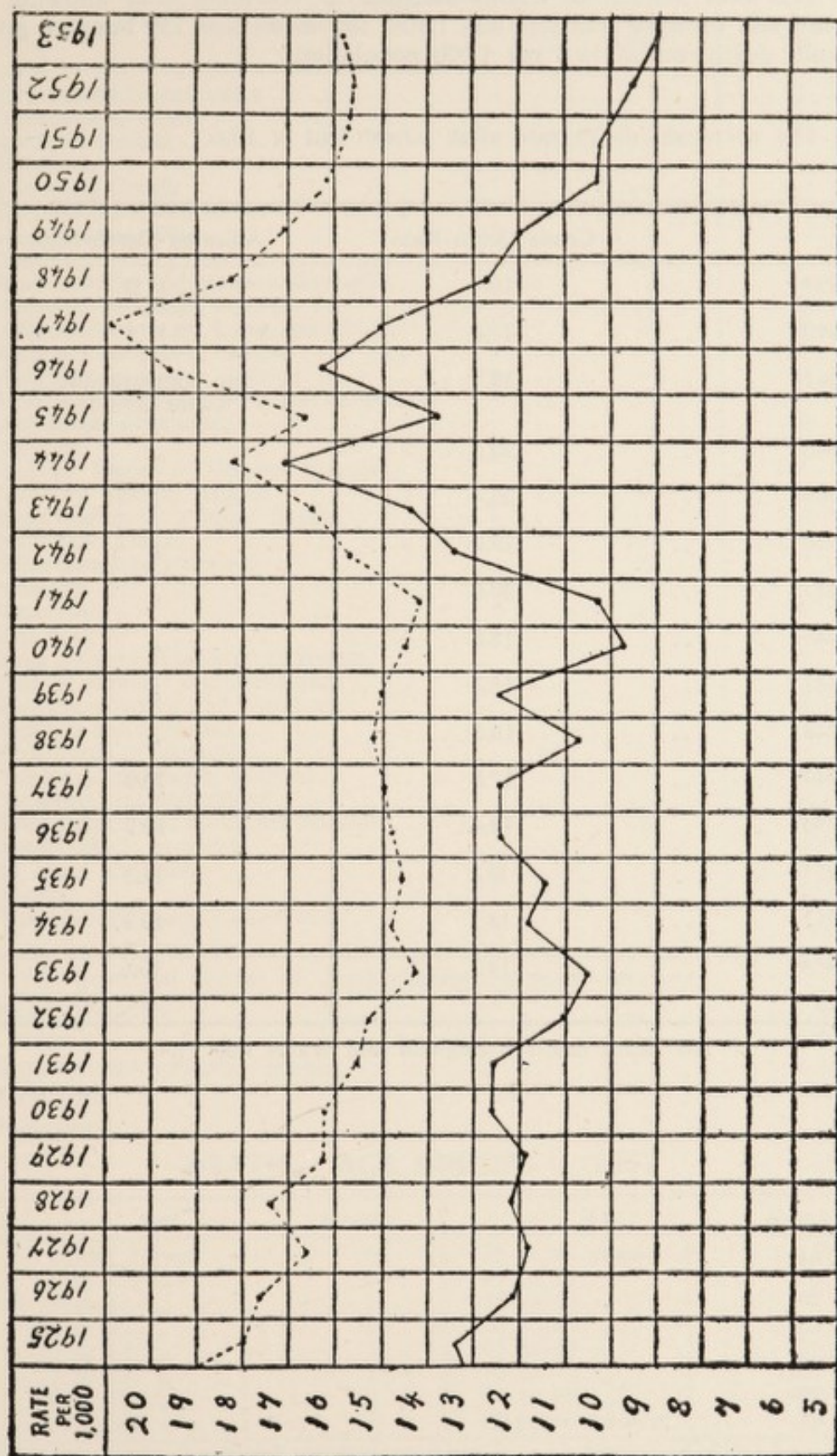
BIRTHS

The following table shows the number of births, and birth rate of Worthing, for the last 40 years.

		Total Births	Males	Females	Birth Rate	Adjusted Birth Rate
1914	..	483	233	250	14.6	—
1915	..	457	231	226	14.2	—
1916	..	468	225	243	15.5	—
1917	..	359	193	166	11.9	—
1918	..	419	219	200	12.9	—
1919	..	376	179	197	12.1	—
1920	..	583	281	302	18.5	—
1921	..	487	265	222	15.5	—
1922	..	404	221	183	12.8	—
1923	..	401	214	187	12.8	—
1924	..	426	249	177	13.3	—
1925	..	442	223	219	13.4	—
1926	..	423	218	205	12.1	—
1927	..	432	223	209	11.9	—
1928	..	462	223	239	12.2	—
1929	..	494	242	252	11.9	—
1930	..	534	278	256	12.6	—
1931	..	553	299	254	12.5	—
1932	..	513	256	257	11.0	—
1933	..	514	255	259	10.6	—
1934	..	615	292	323	11.9	—
1935	..	621	296	325	11.5	—
1936	..	687	340	347	12.4	—
1937	..	729	378	351	12.4	—
1938	..	712	347	365	10.8	—
1939	..	763	400	363	12.4	—
1940	..	657	362	295	9.6	—
1941	..	590	305	285	10.1	—
1942	..	724	346	378	13.3	—
1943	..	775	417	358	14.3	—
1944	..	924	491	433	17.1	—
1945	..	811	427	384	13.8	—
1946	..	1059	536	523	16.3	—
1947	..	1003	527	476	15.0	—
1948	..	861	453	408	12.8	—
1949	..	818	444	374	12.0	—
1950	..	714	350	364	10.4	12.4
1951	..	699	383	316	10.3	12.2
1952	..	658	328	330	9.7	11.5
1953	..	613	321	292	9.0	10.7

The birth rate for England and Wales for 1953 was 15.9 per 1,000

CHART SHOWING WORTHING UNADJUSTED BIRTH RATE SINCE 1925.



(Dotted line represents Rate for England and Wales)

DEATHS

The total number of deaths assigned to Worthing after allowing for inward and outward transfers was 1,308, 569 males and 739 females, giving a crude death rate of 19.3 per 1,000 population

The corrected death rate after adjustment is 10.6.

			Crude Death Rate	Adjusted Death Rate
1939	..	..	16.9	11.0
1940	..	..	17.6	11.1
1941	..	..	18.7	(no comparability factor issued).
1942	..	..	20.5	"
1943	..	..	20.4	"
1944	..	..	19.2	"
1945	..	..	20.0	"
1946	..	..	18.8	"
1947	..	..	18.7	"
1948	..	..	16.3	"
1949	..	..	17.8	10.0
1950	..	..	19.5	10.9
1951	..	..	20.2	11.1
1952	..	..	18.3	10.1
1953	..	..	19.3	10.6

The death rate for England and Wales was 11.4.

TABLE IV
CAUSES OF DEATH — 1953

All Causes	Males 569	Females 739
Tuberculosis, Respiratory	1	1
Tuberculosis, other	—	1
Syphilitic Disease	3	—
Diphtheria	—	—
Whooping Cough	—	—
Meningococcal infections	—	—
Acute Poliomyelitis	2	—
Measles	1	—
Other infective and parasitic diseases	2	—
Malignant neoplasm, stomach	11	8
Malignant neoplasm, Lung, Bronchus	26	10
Malignant neoplasm, Breast	—	34
Malignant neoplasm, Uterus	—	9
Other malignant and lymphatic neoplasms	55	71
Leukaemia aleukaemia	5	2
Diabetes	4	7
Vascular lesions of Nervous System	73	146
Coronary disease, Angina	90	73
Hypertension with heart disease	4	14
Other heart disease	107	179
Other circulatory disease	21	27
Influenza	8	20
Pneumonia	25	21
Bronchitis	33	12
Other diseases of respiratory system	8	8
Ulcer of stomach and duodenum	7	7
Gastritis, enteritis and diarrhoea	3	8
Nephritis and nephrosis	6	3
Hyperplasia of prostate	14	—
Pregnancy, childbirth, abortion	—	1
Congenital malformations	6	2
Other defined and ill-defined diseases	42	47
Motor vehicle accidents	1	1
All other accidents	6	21
Suicide	5	5
Homicide and operations of war	—	1

The principal causes of death during the year were:—

Heart Diseases	467
Cancer	224
Intra-cranial vascular lesions	219
Bronchitis	45
Pneumonia	46

DEATHS, AGE GROUPS — 1953

Age	Deaths	Age	Deaths
Under 1 year	16	35 to 44 years	15
1 to 2 years	4	45 to 54 "	60
3 to 4 "	1	55 to 59 "	47
5 to 9 "	2	60 to 64 "	72
10 to 14 "	2	65 to 69 "	131
15 to 19 "	1	70 to 79 "	467
20 to 24 "	3	80 to 89 "	401
25 to 34 "	7	90 years and over	79
Total number of deaths ... 1,308			

This analysis shows that 72.4 per cent. of the deaths were of persons aged 70 years of age and upwards.

The number of deaths occurring in the four quarters of the year was as follows:—

	Deaths	Adjusted Death rate per 1,000 Population	Rate for England & Wales
First Quarter	456	14.8	15.8
Second Quarter	303	9.8	10.5
Third Quarter	238	7.7	8.9
Fourth Quarter	311	10.4	10.7
	1308	10.6	11.4

TABLE V
BIRTH RATES, DEATH RATES,
AND INFANTILE MORTALITY RATES, 1933 — 1953

Years	No. of births	Unadjusted Birth rate per 1,000 of the population	No. of deaths	Unadjusted Death rate per 1,000 of the population	Infantile Mortality rate per 1,000 births
1933 ..	514	10.6	715	14.7	38
1934 ..	615	11.9	756	14.6	20
1935 ..	621	11.5	744	14.0	40
1936 ..	687	12.4	870	15.6	35
1937 ..	729	12.4	916	15.6	45
1938 ..	712	10.8	917	15.5	29
1939 ..	763	12.4	1035	16.9	23
1940 ..	657	9.6	1165	17.6	49
1941 ..	590	10.1	1044	18.7	36
1942 ..	724	13.3	1116	20.5	35
1943 ..	775	14.3	1073	20.4	32
1944 ..	924	17.1	1037	19.2	44
1945 ..	811	13.8	1173	20.0	39
1946 ..	1059	16.3	1223	18.8	48
1947 ..	1003	15.0	1251	18.7	32
1948 ..	861	12.8	1103	16.3	24
1949 ..	818	12.0	1209	17.8	20
1950 ..	714	10.4	1336	19.5	31
1951 ..	699	10.3	1375	20.2	25
1952 ..	658	9.7	1235	18.3	17
1953 ..	613	9.0	1308	19.3	27

It will be noted from this table that the number of deaths has always exceeded the number of births during the last 21 years. There has been no "natural increase of the population" (*i.e.* excess of births over deaths) since the year 1921.

TABLE VI
INFANTILE MORTALITY

The number of deaths under one year of age was 16 (10 males and 6 females), giving an infant mortality rate of 27 per 1,000 live births. This rate is exactly the same as that for England and Wales for the year under review.

Year	No. of Infant Deaths	Proportion per 1,000 live births	Percentage of Total Deaths at all ages	Infant Mortality Rate in England and Wales
1928	17	37	3.1	65
1929	12	24	1.7	74
1930	18	36	2.8	60
1931	20	37	2.9	66
1932	20	39	2.5	65
1933	18	38	2.5	64
1934	12	20	1.6	59
1935	25	40	3.4	57
1936	23	35	2.6	59
1937	33	45	3.6	58
1938	20	29	2.2	53
1939	18	23	1.7	50
1940	32	49	2.7	55
1941	22	36	2.1	59
1942	25	35	2.2	49
1943	24	32	2.2	49
1944	40	44	3.8	46
1945	31	39	2.5	46
1946	50	48	4.2	43
1947	31	32	2.4	41
1948	20	24	1.8	34
1949	16	20	1.3	32
1950	22	31	1.6	30
1951	17	25	1.3	30
1952	11	17	0.9	28
1953	16	27	1.2	27

The causes of deaths of children under one year for the last 5 years are as follows:—

Cause of Infant Deaths	Deaths of infants under one year of age.				
	1949	1950	1951	1952	1953
Premature Births	4	8	4	4	6
Congenital Malformations ..	1	3	3	1	2
Pneumonia	1	3	4	3	3
Atelectasis	2	2	1	1	2
Asphyxia	3	—	2	1	1
Spina Bifida	—	—	—	—	1
Bronchitis	—	1	—	—	—
Gastro Enteritis	2	1	—	—	—
Tuberculosis	—	1	—	—	—
All other causes	3	3	3	1	1
TOTALS	16	22	17	11	16

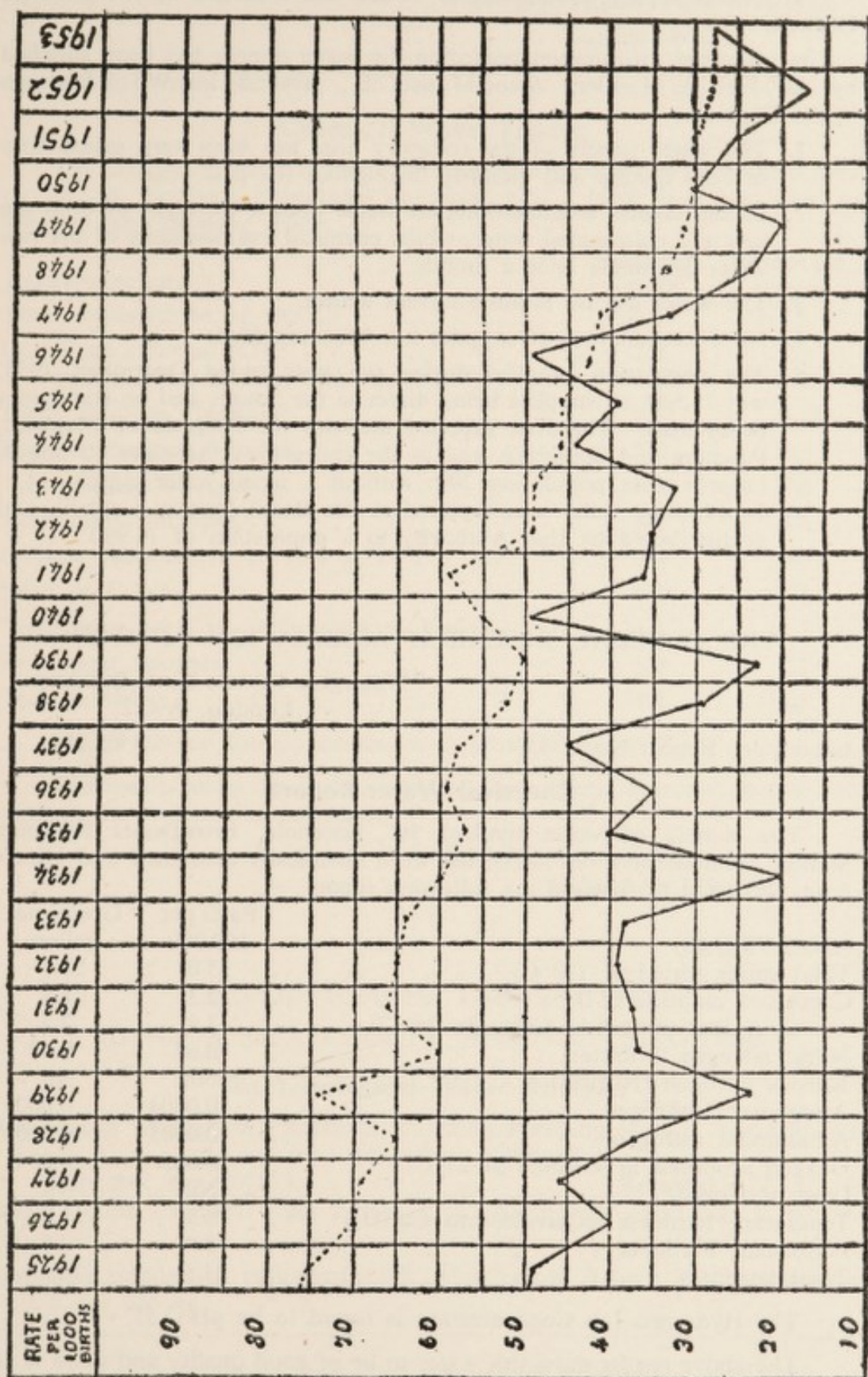
TABLE VII

INFANTILE DEATHS — 1953

TABLE SHOWING CAUSES AND AGES AT DEATH

Cause	Age in weeks				Total under 1 Month	Age in months					Total (All Ages)
	0-1	1-2	2-3	3-4		1-2	2-3	3-6	6-9	9-12	
Prematurity	4	—	1	—	5	—	1	—	—	—	6
Congenital Malformations ..	—	—	—	—	—	2	—	—	—	—	2
Pneumonia	—	1	—	—	1	1	—	2	—	1	3
Atelectasis	2	—	—	—	2	—	—	—	—	—	2
Asphyxia	—	1	—	—	1	—	—	1	—	—	1
Spina Bifida ..	—	1	—	—	1	—	—	—	—	—	1
Other Causes ..	—	—	—	—	—	—	1	—	—	—	1

CHART SHOWING WORTHING INFANTILE MORTALITY RATE SINCE 1925.



(Dotted line represents Rate for England and Wales)

WATER SUPPLIES

The water supply undertaking is owned and managed by the Borough Council.

The following information regarding the water supply has been supplied by Mr. H. A. Leader, Assoc.M.Inst.C.E., Assoc.M.Inst.W.E., Borough Water Engineer.

1. The water supply of the statutory area has been very satisfactory in both quality and quantity throughout the past year.
2. Bacteriological examinations are made once a fortnight of both the raw and chlorinated water, whilst chemical examinations of the raw water are made once a month.
3. The water has no plumbo-solvent action.
4. No contamination of supplies has been reported.
5. The population supplied during the year ended December, 1953, was 71,560, all supplies being direct to the houses and no standpipes being used. The area supplied includes the Parishes of Clapham, Patching and Sompting, and in the entire area there are 60 houses (approximate population 200) without a piped water supply. In addition, water was supplied to the Rural District Council, and re-distributed by that Authority to a population of 11,990.

THE CLINICAL RESEARCH ASSOCIATION LIMITED

Watergate House, York Buildings,
London, W.C.2.

Laboratory Report No. 2735.

9.5.53.

Chemical Water Report

The sample of water marked 36" Borehole, Broadwater Pumping Station, received here on 5.5.53, has been chemically examined and I have been instructed to forward the following report:—

ANALYSIS (B)	Parts per 100,000	Grains per gallon
Total solids (dried at 180°C)	33.0	23.1
Combined chlorine (Cl)	2.3	1.6
equivalent to Sodium Chloride (NaCl)	3.8	2.7
Nitric nitrogen (Nitrates)	0.68	0.48
Nitrous nitrogen (Nitrites)	Nil	Nil
Ammoniacal nitrogen	0.0004	0.0003
Albuminoid nitrogen	0.0005	0.0004
Oxygen absorbed in 4 hours at 27°C	0.005	0.004
Lead or Copper	Nil	Nil
Temporary hardness (equivalent to CaCO ₃)	18.5	13.0
Permanent hardness (" ")	5.0	3.5
Total hardness (" ")	23.5	16.5

The Hydrogen Ion Concentration is found to be pH 7.35.

The above results show this water to be of good quality and there is no evidence of pollution.

R. S. RALPH, M.R.C.S., D.P.H.,
Laboratory Director.

THE CLINICAL RESEARCH ASSOCIATION LIMITED

Watergate House, York Buildings,
London, W.C.2.

Laboratory Report No. 6911.

3.12.53.

Chemical Water Report

The sample of water marked 48" Borehole Patching P.S. received here on 1.12.53, has been chemically examined, and I have been instructed to forward the following report:—

ANALYSIS (B)	Parts per 100,000	Grains per gallon
Total solids (dried at 180°C)	34.0	23.8
Combined chlorine (Cl)	2.2	1.5
equivalent to Sodium Chloride (NaCl) ..	3.6	2.7
Nitric nitrogen (Nitrates)	0.54	0.38
Nitrous nitrogen (Nitrites)	Nil	Nil
Ammoniacal nitrogen	Nil	Nil
Albuminoid nitrogen	Nil	Nil
Oxygen absorbed in 4 hours at 27°C	Nil	Nil
Lead or Copper	Nil	Nil
Temporary hardness (equivalent to CaCO ₃) ..	21.0	14.7
Permanent hardness (" ") ..	3.0	2.1
Total hardness (" ") ..	24.0	16.8

The Hydrogen Ion Concentration is found to be pH 7.30.

The results show the water to be of an excellent degree of purity and there is no evidence of pollution.

R. S. RALPH, M.R.C.S., D.P.H.,
Laboratory Director.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 48" Borehole, Patching Pumping Station. (Sample has not been filtered or chlorinated).

Lab. Ref. No. 101633.

Received 1.12.53.

Plate Count. Yeastrel Agar 2 days 37°C. Aerobically—less than 1 per ml.

Probable number of coliform bacilli, MacConkey 2 days, 37°C.—less than 1 per 100 ml.

Date of report, 3.12.53.

J. E. JAMESON,
Director.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample from tap at private house, Worthing.

Lab. Ref. No. 89870.

Received 11.8.53.

Plate Count. Yeastral Agar 2 days 37°C. Aerobically—1 per ml.

Probable number of coliform bacilli, MacConkey 2 days, 37°C.—less than
1 per 100 ml.

Date of report, 13.8.53.

J. E. JAMESON,
Director.

SWIMMING BATHS

These were regularly inspected by the Medical Officer of Health and the Sanitary Inspectors. Frequent examinations of the water were carried out and the results showed that a satisfactory standard of purity was maintained.

FLY INFESTATION ON THE FORESHORE

In the late summer the beach became heavily infested with the seaweed fly, *Coelopa Frigida*. A long section of the coast-line involving a number of resorts was affected and, with a view to preventing nuisance in the 1954 season, joint action by the use of suitable insecticides at the appropriate time was decided upon by the various Local Authorities.

The fly is in no way a health nuisance; it is non-biting, and it does not carry disease, but it can and did cause great inconvenience. It is normally present in small numbers on the beaches of this country, and is dependent upon seaweed for its food supply.

The only explanations put forward for the increase, which at times assumed plague proportions, were the unusually favourable meteorological conditions for breeding and the heavy seaweed deposits.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

Notifiable Infectious Diseases

The following are the infectious diseases which are now notifiable to the Medical Officer of Health:—

- Scarlet fever
- Whooping cough
- Diphtheria
- Measles
- Acute pneumonia (primary or influenzal)
- Meningococcal infection
- Acute poliomyelitis—
 - paralytic
 - non-paralytic
- Acute encephalitis—
 - infective
 - post-infectious
- Dysentery
- Ophthalmia neonatorum
- Puerperal pyrexia
- Smallpox
- Typhoid and Para-typhoid fevers
- Food poisoning
- Erysipelas
- Malaria
- Cholera
- Plague
- Typhus fever
- Relapsing fever
- Tuberculosis (all forms)

NOTIFIED INFECTIOUS DISEASES — 1953 (Corrected in Cases of Revised Diagnosis)

	Under 1 year	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-25	25-35	35-45	45-65	Over 65	Total	Admitted to Isolation Hospital
Scarlet Fever ...	—	1	—	2	8	49	6	1	—	—	—	—	1	68	61
Diphtheria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough ...	5	9	6	7	11	28	1	—	—	—	1	—	1	69	1
Measles ...	16	55	97	122	125	544	29	8	2	6	5	3	—	1012	20
Pneumonia ...	—	—	—	—	—	2	—	—	1	1	2	6	14	26	—
Acute Poliomyelitis (Paralytic) ...	1	—	—	—	4	6	2	1	—	—	2	—	—	16	16
Acute Poliomyelitis (Non-Paralytic) ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhoid Fever ..	—	—	—	—	—	1	—	—	—	—	—	1	—	2	2
Paratyphoid Fever ...	—	—	—	—	1	—	—	—	—	—	—	—	—	1	1
Dysentery ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia ...	—	—	—	—	—	—	—	—	2	5	1	—	—	8	—
Meningococcal Infection	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	4	4	4	12	3
Food Poisoning ...	—	—	—	—	—	1	—	—	—	—	—	2	—	3	3
	22	65	103	131	149	631	38	10	5	12	15	16	20	1217	107

DIPHTHERIA

For the sixth year in succession there were no cases of Diphtheria in the Borough

Successful as the diphtheria immunisation scheme has been, it cannot be stressed too often that any complacency in this respect may well be disastrous. Immunisation before a child is 12 months old and a reinforcing injection at 5 years should be an absolute rule for all.

MEASLES

This disease has a biennial incidence, and 1953 was a "measles year." Altogether 1,012 cases were notified and there was one death.

Twenty cases were admitted to hospital owing to either the severity of the attack or on account of complications.

ACUTE POLIOMYELITIS (Infantile Paralysis)

There were 16 confirmed cases during the year, with two deaths. All the cases were treated in hospital—13 at Swandean Hospital and 3 at Foredown Hospital. The most important factor in poliomyelitis is the degree of recovery, and of the above cases 7 made a complete recovery, 5 had a residual slight paralysis, and only 2 were left with a serious degree of crippling.

Concerning the preventive aspect, each case was investigated, but apart from "house and garden" quarantine of certain contacts no general measures were deemed necessary. There is not at present any known method of producing active immunisation against the disease.

SCARLET FEVER

The number of confirmed cases was 68, of which 61 were treated in hospital. There were no deaths, and in all cases admitted to hospital modern treatment modified the severity of the disease, shortened its duration and completely eliminated any complications.

ADMISSION OF CASES TO INFECTIOUS DISEASE HOSPITALS

The following Worthing cases were admitted during the year:—

Swandean Hospital

Acute Poliomyelitis (paralytic)	..	..	13
Scarlet fever	..	..	51
Scarlet fever and measles	..	..	1
Streptococcal sore throat	..	..	3
Measles	..	..	11
Measles and chicken pox	..	..	1
Measles and broncho-pneumonia	..	..	3
Pneumonia	..	..	1
Chicken pox	..	..	1
Malaria	..	..	1
Whooping cough and pneumonia	..	..	1
Rubella	..	..	2
Erysipelas	..	..	2
Typhoid Fever	..	..	1
Paratyphoid fever	..	..	1
Food poisoning	..	..	3
Gastro-enteritis	..	..	1
Otitis Media (measles contact)	..	..	1
Observation cases	..	..	5

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Chichester Infectious Diseases Hospital

Scarlet fever	..	..	1
Observation cases	..	..	1

Foredown Infectious Diseases Hospital

Acute Poliomyelitis (paralytic)	..	..	3
Scarlet fever	..	..	8
Streptococcal sore throat	..	..	1
Measles	..	..	3
Erysipelas	..	..	1
Typhoid fever	..	..	1
Glandular fever	..	..	1
Diarrhoea and vomiting	..	..	1
Observation cases	..	..	2

Portsmouth Infectious Diseases Hospital

Measles	..	..	1
---------	----	----	---

TUBERCULOSIS

There were 27 cases of pulmonary tuberculosis notified for the first time during the year.

48 new cases were added to the Register during 1953:—

Pulmonary—Males ..	30	Non-pulmonary—Males ..	—
Females ..	15	Females ..	3
	45		3

33 cases were removed from the Register during the year, and 3 old cases were restored.

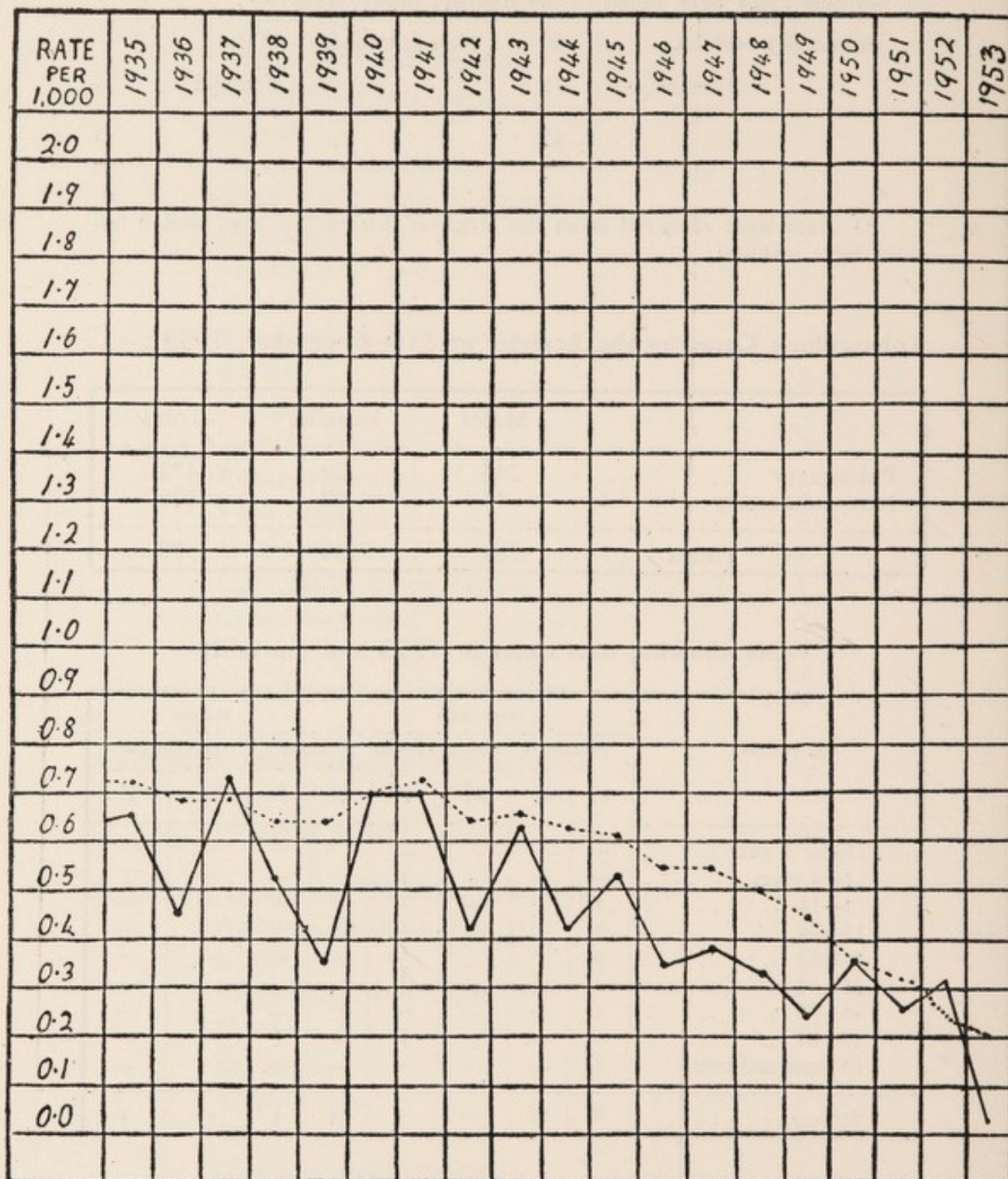
Tuberculosis Cases on the Register at 31st December, 1953 :—

	Males	Females	Total
Pulmonary	244	229	473
Non-pulmonary ..	45	60	105
Totals	289	289	578

Table showing new cases in 1953 and mortality

Age periods	New cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M	F	M	F	M	F	M	F
Under 1 year	—	—	—	—	—	—	—	—
1—4 years	—	—	—	1	—	—	—	1
5—14 „	1	—	—	—	—	—	—	—
15—24 „	5	6	—	—	—	—	—	—
25—34 „	9	7	—	—	—	—	—	—
35—44 „	3	2	—	1	—	—	—	—
45—54 „	4	—	—	—	—	—	—	—
55—64 „	3	—	—	1	1	1	—	—
65 years and over ..	5	—	—	—	—	—	—	—
TOTALS	30	15	—	3	1	1	—	1

CHART SHOWING WORTHING TUBERCULOSIS DEATH RATE SINCE 1935.



(Dotted line represents Rate for England and Wales).

The following table shows the mortality from tuberculosis (all forms) since 1935:—

Year	Deaths	Death Rate per 1,000 of the population	
		Worthing	England and Wales
1935	36	0.67	0.72
1936	25	0.45	0.69
1937	42	0.72	0.70
1938	31	0.52	0.64
1939	26	0.34	0.64
1940	48	0.70	0.70
1941	39	0.70	0.73
1942	23	0.42	0.66
1943	33	0.63	0.67
1944	23	0.42	0.63
1945	32	0.54	0.62
1946	22	0.34	0.55
1947	26	0.38	0.55
1948	23	0.34	0.51
1949	18	0.26	0.45
1950	25	0.37	0.36
1951	18	0.26	0.31
1952	21	0.31	0.24
1953 .. .	3	0.04	0.20

It has not been necessary to take action under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under Section 172 of the Public Health Act, 1936.

FOOD POISONING

Although there were no outbreaks of food poisoning during the year, three single cases were notified to the department. Salmonella infection was responsible in one case, but the organisms were not identified in the other cases. There were no deaths.

CLEAN FOOD CAMPAIGNS

As in previous years, lectures and discussions have been given by the Medical Officer of Health and the Chief Sanitary Inspector to a number of local organisations. Food traders' organisations have been approached and lectures given to food handlers.

THE NATIONAL ASSISTANCE ACT, 1948

Section 47. Removal to suitable premises of persons in need of care and attention.

An application was submitted to the Magistrates for action under the amending clauses of Section 47 of the National Assistance Act, 1948, which was granted for the statutory period of three weeks. This enabled the Local Authority to remove to "North View" an old lady aged 80 years who was living in insanitary conditions and was quite unable to devote to herself proper care and attention. During the three weeks a relative was contacted and private arrangements were made for her subsequent care.

Section 50. Burial of the Dead.

Under this Section of the Act it was necessary to arrange for the burial of ten persons where no suitable arrangements were being made.

STAFF MEDICAL EXAMINATIONS

Medical examinations are undertaken by the Department in connection with new appointments and admission of student teachers to training colleges. During the year 75 such examinations were carried out, details of which are as follows:—

<i>Department</i>	<i>Males</i>	<i>Females</i>
Town Clerk's	—	2
Borough Engineer's	7	2
Medical Officer's	1	4
Borough Treasurer's	2	1
Borough Water Engineer's	—	1
Education	3	11
Entertainments and Publicity	2	—
Borough Librarian's	—	5
Training Colleges	7	26
Civil Defence	—	1
Total	22	53

Occasionally similar examinations are carried out at the request of other Local Authorities and during 1953 two such examinations were undertaken.

SANITARY INSPECTION OF THE AREA

This is under the supervision of the Chief Sanitary Inspector, who has supplied me with the following report:—

GENERAL INSPECTIONS

General inspections included the following:—

Houses	..	..	..	..	..	..	377
Factories	..	..	..	..	..	..	583
Bakehouses	..	..	..	..	..	..	89
Restaurant Kitchens	..	..	..	..	..	..	270
Workplaces	..	..	..	..	..	..	41
Dairies	..	..	..	..	..	..	43
Ice Cream Premises	..	..	..	..	..	..	453
Food Shops	..	..	..	..	..	..	2,372
Schools	..	..	..	..	..	..	51
Drainage	..	..	..	..	..	..	648
Smoke Observations	..	..	..	..	..	..	79
Shops Act	..	..	..	..	..	..	109
Merchandise Marks Act	..	..	..	..	..	..	148
Miscellaneous	..	..	..	..	..	..	960

393 Public health nuisances or contraventions were recorded and 317 were remedied before the end of the year.

SANITARY DEFECTS AND NUISANCES RECORDED INCLUDED THE FOLLOWING :—

Houses :

Roofs defective	..	..	..	..	..	34
Rainwater conductors defective	..	..	..	..	..	16
Chimney stacks and external walls defective	..	..	..	..	..	14
Verminous	..	..	..	..	..	36
Re-decorations requested	..	..	..	..	..	7
Wall plaster defective	..	..	..	..	..	16
Wall dampness	..	..	..	..	..	18
Cooking ranges, fireplaces defective	..	..	..	..	..	15
Window frames or cords defective	..	..	..	..	..	18
Floors, staircases defective	..	..	..	..	..	4

Drainage :

Requiring reconstruction	..	..	..	..	..	9
Defective condition	..	..	..	..	..	26
Choked	..	..	..	..	..	178
W.C.'s defective	..	..	..	..	..	32
Insanitary yards	..	..	..	..	..	11
Vacant land insanitary	..	..	..	..	..	10
Animals improperly kept	..	..	..	..	..	9
Dilapidated refuse bins	..	..	..	..	..	9
Smoke nuisances	..	..	..	..	..	12

COMPLAINTS

958 complaints were received and investigated. They are classified as follows:—

Housing, general defects	..	..	..	..	..	89
Dampness	..	..	..	..	..	66
Dirty conditions	..	..	..	..	..	17
Overcrowding	..	..	..	..	..	13
Vermin	..	..	..	..	..	23
Wasps	..	..	..	..	..	66
Insects	..	..	..	..	..	44
Smoke nuisances	..	..	..	..	..	12
Defective chimney stacks	..	..	..	..	..	11
Animals improperly kept	..	..	..	..	..	14
Yards—insanitary	..	..	..	..	..	9
Vacant land—insanitary	..	..	..	..	..	29
Drains or sewers choked	..	..	..	..	..	70
Defective drainage systems	..	..	..	..	..	27
W.C.'s defective	..	..	..	..	..	31
Offensive smells	..	..	..	..	..	37
Refuse bins defective	..	..	..	..	..	17
Rats	..	..	..	..	..	263
Mice	..	..	..	..	..	82
Miscellaneous	..	..	..	..	..	38

Many of the complaints were of a trivial nature and further action was unnecessary. There was also a considerable number of instances where the subject of the complaint was causing annoyance, such as accumulations of refuse on vacant plots of land, but did not constitute a nuisance within the meaning of public health legislation. In such cases advice was given and in some cases informal action was taken to remove or alleviate the annoyance. Thirteen complaints were also received respecting unclean food, mostly caused by foreign objects or insects.

Pest destruction.—There was an increase over the previous year in the number of complaints relating to insects but a reduction in the number of rodent complaints. Sixty-three wasps' nests were destroyed and the disinfection of premises from vermin, beetles, moths, woodworm, etc., was undertaken on payment when circumstances permitted.

Reference is made to rats and mice, which involved 345 complaints, on page 33.

HOUSING

Repairs to existing houses continue to be increasingly difficult on account of high costs and low rents.

As in previous years, it was not practicable to operate in general the provisions of the Housing Act in relation to repair, closure or demolition of unfit houses. A lower standard had to be accepted. Unfortunately, numerous sub-standard dwellings continue to deteriorate.

One Demolition Order and one Closing Order were made, and one Closing Order was cancelled after reconditioning of the property.

PUBLIC HEALTH ACT, 1936 — CARAVANS

There is no licensed camping site within the Borough.

At the end of the year there were eleven caravans controlled under annual licences granted on account of special circumstances.

RODENT CONTROL

No. of complaints received	345
No. of visits by Rodent Operators	3,222
No. of premises cleared	437
Amount of poison bait taken	6,075 ozs.

16 lbs. of Cymag (a sodium-cyanide preparation) was also used.

Eighteen major infestations, 12 rat and 6 mice, were found and cleared.

Rodent destruction was carried out on payment at 103 premises, *i.e.* Agricultural 38, Business and other Premises 65 (rats 32; mice 33).

No charge is made for the service of a Rodent Operator at private houses.

Sewer Rats. Two treatments of the sewers were carried out. 148 chambers were found to be rat infested during the Spring treatment and 94 during the Autumn treatment. Over 2½ cwt. of prebait or poison bait was laid.

Nine of the eighteen areas into which the Borough is divided are now free from rats, as compared with one in 1944 when the scheme first commenced.

FACTORIES ACT, 1937 and 1948

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises	Number on Register	Number of Inspections	Written Notices
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities	56	129	1
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	261	544	7
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises).	17	17	—
TOTAL	334	690	8

2. Cases in which DEFECTS were found.

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred	
			To H.M. Inspector	By H.M. Inspector
Want of cleanliness (S.1.)	7	6	—	—
Overcrowding (S.2)	1	1	—	—
Unreasonable temperature (S.3)	2	2	—	—
Inadequate ventilation (S.4)	1	1	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S.7)				
(a) insufficient	1	1	—	1
(b) unsuitable or defective	20	15	—	—
(c) not separate for sexes	1	1	—	—
Other offences against the Act (not including offences relating to Outwork)	7	6	3	2
TOTAL	40	33	3	3

Fire Escape. One Certificate of Adequate Means of Escape in Case of Fire was granted, and two applications were deferred pending more satisfactory exits being provided.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Three premises were registered, and one licensed, pursuant to the requirements of the above Act.

Three samples of rag flock or other fillings were taken and analysed pursuant to the Act and Regulations. All were satisfactory.

OFFENSIVE TRADES

The only offensive trades in the Borough relate to two firms registered to deal in rags, bones and skins.

DISINFECTION AND DISINFESTATION

702 articles fumigated by steam disinfection included the following:—

Blankets and rugs	161
Sheets, eiderdowns, etc.	114
Mattresses and feather beds	107
Pillows, bolsters, cushions	268
Miscellaneous articles	52
Number of rooms disinfected	61
Number of rooms disinfested	217
Revenue received:—	
For disinfection	£12 6s. 7d.
For disinfestation	£88 1s. 6d.
Wasps' nests—63 were destroyed for payments totalling	£18 7s. 8d.

NOTICES SERVED TO REMEDY DEFECTS OR ABATE NUISANCES OR CONTRAVENTIONS

<i>Act</i>	<i>Informal</i>	<i>Statutory</i>
Public Health Act, 1936—		
Section 92 (defects and nuisances)	51	
„ 39 (drainage and appliances)	37	4
„ 44-45-46 (water closets)	16	
„ 101 (smoke)	10	
(miscellaneous)	22	
Worthing Corporation Act (refuse bins)	13	
Housing Acts	65	6
Food and Drugs Act, 1938-1950—		
Section 13 (food preparing)	19	
Food Hygiene Byelaws	18	
Milk and Dairies Regulations	25	
Ice Cream (heat treatment) Regulations	4	
Prevention of Damage by Pests Act, 1949	7	
Factories Act, 1937-1948	16	1
Shops Act, 1950. Sec. 38	4	
Merchandise Marks Act	17	
Slaughtering of Animals Act	2	
Meat Regulations	3	
Total	329	11

The requirements of two Housing Act Notices were executed in default by the Corporation at a cost of £62 13s. 1d.

Sewers serving 128 houses found to be choked were cleansed by the Corporation.

Two drainage certificates were issued after examining and testing the drainage systems and sanitary fittings on payment of the prescribed fees.

Two houses were redrained to a main sewer and cesspools abolished.

MEAT AND FOOD EXAMINATION

Slaughtering is carried on at one Regional slaughterhouse.

Eight persons were licensed to slaughter animals under the Slaughter of Animals Act, 1933.

All animals were slaughtered with the aid of mechanically operated humane instruments.

The carcase of every animal slaughtered was examined ; this entailed a vast amount of late night and Sunday work. 580 attendances were made at the slaughterhouse.

18,400 animals, *i.e.* 3,800 beasts, 1,849 calves, 8,686 sheep and 4,065 pigs were slaughtered and examined.

Approximately 23 tons of meat were found to be diseased and unfit for food. This was salvaged for animal feeding, fat rendering or fertilizers.

Meat found to be diseased included :—

Entire Carcases:

Beasts	..	..	..	..	..	..	23
Calves	..	..	..	..	..	..	4
Sheep	..	..	..	..	..	..	14
Pigs	..	..	..	..	..	..	14

Offals:

		<i>Beasts</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Heads and Tongues	..	170	5	3	46
Livers		79	2	359	150

Carcases Inspected and Condemned

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	3,005	795	1,849	8,686	4,065
Number inspected	3,005	795	1,849	8,686	4,065
All diseases except Tuberculosis					
Whole carcasses condemned ..	—	6	4	14	8
Carcasses of which some part or organ was condemned	964	253	13	383	207
Percentage of the number inspected affected with disease other than tuberculosis	32.1	32.6	0.9	4.6	5.3
Tuberculosis only					
Whole carcasses condemned ..	10	7	—	—	6
Carcasses of which some part or organ was condemned	265	110	3	—	52
Percentage of the number inspected affected with tuberculosis ..	9.2	14.7	0.2	—	1.4

Requests from local food tradesmen to examine foodstuffs of a doubtful character are received almost daily, and the undermentioned were found to be diseased or unsound and were condemned as being unfit for human food.

Tinned and other foods—1953.	<i>No. of tins, etc. lbs.</i>	
Milk	501	
Cream	4	
Vegetables	34	
Jam	124	
Marmalade	67	
Honey	6	
Fruit	2,926	27
Soup	68	
Tomatoes	217	
Fish (tinned)	75	
Fish Paste	124	
Fish Cakes	126	
Meat (tinned)	373	
Meat (fresh)		189
Meat Paste	6	
Ham	74	18
Condiments	49	
Pickles	10	
Baked Beans	66	
Peas	649	38
Hors d'Oeuvres	26	
Spaghetti	17	
Peanut Butter	2	
Cereals	4	

					<i>No. of tins, etc.</i>	<i>lbs.</i>
Cake Mixtures	..	..	..	..	32	
Cake	..	..	..	..		2
Biscuits	..	..	..	..	81	2
Dried Coconut	..	..	..	..		1
Mincemeat	..	..	..	..	10	
Fish (wet)	..	..	..	..	11	1,063
Eggs	..	..	..	..	36	
Christmas Puddings	..	..	..	..	5	
Meat Puddings	..	..	..	..	2	
Coffee	..	..	..	..	1	
Tea	..	..	..	..		1
Beverages	..	..	..	..	11	
Poultry, Game, etc.						
Poultry	..	..	..	..		103
Sausages	..	..	..	..	12	603
Fats.						
Butter	..	..	..	..		2
Cheese	..	..	..	..	129	53
Bacon	..	..	..	..		101
Lard	..	..	..	..		1,201

87 premises are registered for the manufacture of sausages or potted, pressed, pickled or preserved food for sale.

MILK

496 samples were taken and the following is a synopsis of the results:—

Examination for Bacterial Cleanliness.

<i>Designation</i>	<i>No. taken</i>	<i>Unsatisfactory</i>
Tuberculin Tested	58	13
Tuberculin Tested (Pasteurised)	28	4
Pasteurised	151	8

Examination for Tubercle Bacilli. 182 samples were examined for the presence of M. Tuberculosis. Two samples proved to be positive. One other sample was positive for Brucella Melitensis, and twelve for B. Abortus.

Examination to detect Adulteration or Abstraction. 77 samples were analysed, details of which are given in the Food and Drugs section on page 38.

Graded Milk. The following licences were granted under the appropriate Regulations:—

To retail Tuberculin Tested or Tuberculin Tested Pasteurised Milk	20
To Pasteurise	5
To retail Pasteurised Milk	16
To retail Pasteurised or Sterilized Milk in sealed containers	29
Supplementary, Sterilized Milk	1

Approximately 140 farms send milk into Worthing dairies daily.

By the end of the year no undesignated milk was being retailed without having been heat treated.

ICE CREAM

Four premises are registered for the manufacture of ice cream and 204 for the storage and sale of ice cream as compared with 16 and 165 respectively four years ago.

32 samples were taken and analysed for bacterial cleanliness, with the following results:—

Grade I	..	..	..	44%
Grade II	..	..	..	44%
*Grade III	..	..	..	12%
*Grade IV	..	..	..	0.0%

* *Unsatisfactory.*

The general standard of cleanliness of ice cream was good.

The requirements of the Heat Treatment Regulations are rigidly enforced, particularly as regards protecting ice cream from contamination by dust or unclean apparatus, etc., during its manufacture, storage or sale.

453 visits were made to ice cream premises, and manufacturers and retailers of loose ice cream were advised as regards the necessity for and general use of detergents and sterilizing agents for the cleansing of cabinets, apparatus and utensils.

12 samples were analysed as regards fat content, all of which proved to be satisfactory.

FOOD AND DRUGS ACT, 1938 — Section 3

DEFENCE (SALE OF FOOD) REGULATIONS, 1943

104 samples of food were submitted for analysis by the Public Analyst:—

<i>Description</i>	<i>No. Analysed</i>
Milk	66
Cream	11
Ice Cream	12
Beef Shredded Suet	1
Sausages	5
Gelatine	1
Fish Cakes	1
Fish Paste	1
Ketchup	1
Sweets	1
Grapefruit (canned)	1
Saccharin	1
Wine	2

23 samples were deficient in solids, not fat, ranging between 0.2% and 16.8%.

Two samples of sausages contained preservatives, the presence of which was not disclosed. The nature and amount of the preservatives used complied with the Regulations.

One sample of wine contravened Labelling Order requirements.

ANNUAL REPORT
of the
Meteorological Observations
for 1953.

METEOROLOGICAL OBSERVATIONS

FOR THE YEAR 1953

The Meteorological Station is in Beach House Park, which is 25.00 feet above Ordnance Datum. Here all the instruments, except the Fortin Standard Barometer and the Sunshine Recorder, are kept.

The shade thermometers, in a Stevenson screen, are:—self-recording maximum, self-recording minimum, dry bulb and wet bulb.

All thermometers are Fahrenheit and are verified at the National Physical Laboratory, Kew.

A self-recording minimum thermometer is used for registering the temperature on the grass.

Four earth thermometers are in use at various depths—1ft., 2ft., 4ft. and 6ft.

There is an official five-inch Copper Rain Gauge, Meteorological Office pattern, also a Dines Tilting Siphon Automatic Rain Recorder.

The Campbell-Stokes Sunshine Recorder is fixed on a platform at the top of Christ Church Tower, 111 feet above mean sea level and 84 feet above ground level.

All instruments at the local Meteorological Observatory are examined and tested annually by Officers of the Meteorological Office, Air Ministry, London.

A code report is sent by telegram each evening to the Meteorological Office, London, and the leading newspapers are supplied with reports from that Office.

Weekly reports are sent to the local newspapers, and a full report monthly to the Meteorological Office, London, for publication in their journals. Rainfall statistics are supplied to the British Rainfall Organisation.

The daily weather report of the Air Ministry, the previous day's sunshine card and a collection of charts and records are also exhibited in the windows of the information bureau at the Pier.

This report contains statistics showing the means for the year of Barometric pressure, Air and Earth temperatures, Sunshine, Wind and Humidity, compared with the averages for a series of years.

Observations are taken every day throughout the year at 9 a.m. and 6 p.m.

ABSTRACT OF OBSERVATIONS FOR THE YEAR 1953

Total amount of bright sunshine: 1,885.1 hours.

Number of days with sunshine: 302.

Rainfall: 24.33 inches.

Number of rain-days (.01 inch or more): 125.

Number of wet days (.04 inch or more): 83.

Highest barometric reading: 30.856 inches on March 10th.

Lowest reading: 28.573 inches on February 10th.

Warmest day: June 29th (80°).

Coldest night: February 8th (25°).

Coldest day: February 14th (34°).

Warmest night: August 12th (67°).

Warmest month (by day): August (average temperature 70°).

Coldest month (by night): January (average temperature 35°).

Mean temperature: 51.8°.

Mean relative humidity: at 9 a.m. 82%.

Lowest temperature on the grass: 19° on February 8th.

Wettest day: October 12th, 1.22 inches.

Sunniest day: July 24th, 14.3 hours.

Number of day snow or sleet fell: 7.

Number of days hail fell: 5.

Number of days thunder heard: 6.

Number of ground frosts: 57.

Number of days with wind at gale force: 4.

Number of days with fog: 7.

BRIGHT SUNSHINE

The duration of bright sunshine for the year was 1885.1 hours.

This amount is 42.2 per cent. of the time during which the sun was above the horizon, giving a daily mean of 5.17 hours. The average yearly sunshine for the previous ten years was 1870.8 hours. During this period the year with the highest record was 1949, when 2,128.9 hours were recorded, whilst the year 1944 was the lowest with 1765.5 hours. The sunniest day was July 24th, when 14.3 hours were recorded.

May, with 261.1 hours, was the sunniest month, and November with 49.8 hours, was the least sunny.

A sunless day is one on which less than 6 minutes of bright sunshine are recorded.

RAINFALL

The rainfall for the year 1953 was 24.33 inches. This amount is 3.10 inches below the Normal and 2.33 inches below the previous ten years average.

The month of March was the driest with 0.22 inch, falling below the Normal amount by 1.74 inches. October was the wettest month with 4.37 inches, this amount being 2.25 inches above the Normal. The heaviest day's rainfall was 1.22 inches on October 12th. There were 125 days on which 0.01 inch or more rain fell, compared with 152 days which is the average number for the previous ten years.

One inch of rainfall is equivalent to 100.925 tons per acre or 14.4686 millions of gallons per square mile.

WINTER RAINFALL. Total for six months (January to March and October to December) was 9.62 inches, compared with an average winter rainfall for the previous 10 years of 14.43 inches.

SUMMER RAINFALL. Total for six months (April 1st to September 30th) was 14.71 inches, compared with an average summer rainfall for the previous ten years of 11.61 inches.

HUMIDITY

The mean relative humidity of the atmosphere (percentage of saturation of the air) at 9 a.m. was 82%, compared with the previous five years average of 81.7%.

BAROMETER

The mean barometric reading for the year was 30.108 inches (when reduced to sea level and to a temperature of 32° Fahr.) the average for the previous ten years being 30.013 inches. The highest reading for the year was 30.856 inches on March 10th, and the lowest reading was 28.573 inches on February 10th. The absolute range for the year was 2.283 inches and the average range for the previous ten years 1.857 inches.

One inch barometric pressure is equivalent to 70.727 lbs. per square foot.

TEMPERATURE

The mean temperature for the year was 51.8° Fahr., which is 1.1° above the Normal. Since 1881 the warmest year was 1949 with a mean temperature of 52.8°. The highest shade temperature for 1953 was 80° recorded on June 29th, and the lowest 25° on February 8th. The extreme range of temperature was 55° compared with the average range of 58.9° for the previous ten years. The temperature on the grass fell below 30.4° on 57 nights. The lowest temperature on the grass was 19° during the night of February 8th.

EARTH TEMPERATURES. The highest and lowest temperatures at various depths in the earth were as follows:—

<i>Below Surface</i>	<i>Highest</i>	<i>Date</i>	<i>Lowest</i>	<i>Date</i>
1 ft.	67.8°	August 13th	35.0°	February 17th
4 ft.	62.5°	August 16th	40.9°	Feb. 17th & 18th

WIND

Percentages of direction of wind from 730 observations taken at 9 a.m. and 6 p.m. throughout the year:—

	<i>9 a.m.</i>	<i>6 p.m.</i>		<i>9 a.m.</i>	<i>6 p.m.</i>
	%	%		%	%
N.	13.7	11.5	S.	3.8	4.2
N.E.	17.3	11.9	S.W.	21.3	19.1
E.	4.7	4.0	W.	16.4	27.9
S.E.	8.2	7.4	N.W.	14.5	14.0
Calm	—	—			

TABLE 1 — CLOUD AND HUMIDITY

Month.	Cloud Amount Scale 1-8		Mean Relative Humidity	Mean Humidity previous 5 years 1948-1952
	9 a.m.	6 p.m.	9 a.m.	9 a.m.
January	6	6	% 89	% 89
February	5	6	87	87
March	5	4	80	83
April	4	4	76	77
May	4	3	73	77
June	5	4	78	75
July	5	5	80	75
August	4	4	76	80
September	4	4	82	83
October	6	6	85	84
November	6	6	89	86
December	6	5	92	88
Year 1953 ..	5	5	82	Yearly average 82

TABLE 2 — **BRIGHT SUNSHINE (Mainland Stations)**

(Extract from Table of Official Returns of the Meteorological Office, Air Ministry).

<i>Station</i>					<i>Hours Year 1953</i>
Torquay	..	..	..	..	1918.4
Weymouth	..	..	..	..	1916.3
Eastbourne	..	..	..	..	1911.0
Penzance	..	..	..	..	1906.6
WORTHING	..	..	..	..	1885.1
Dale Fort	..	..	..	..	1880.2
Falmouth	..	..	..	..	1864.8
Camborne	..	..	..	..	1861.8
The Lizard	..	..	..	..	1860.2
Chivenor	..	..	..	..	1854.9
Bognor Regis	..	..	..	..	1854.0
Seaford	..	..	..	..	1848.3
Gulval	..	..	..	..	1841.3
Fowey	..	..	..	..	1835.9
Herstmonceux	..	..	..	..	1828.5
Hastings	..	..	..	..	1817.7
Brighton	..	..	..	..	1815.0
Littlehampton	..	..	..	..	1813.1
Hartland Point	..	..	..	..	1813.0
Ilfracombe	..	..	..	..	1812.8

TABLE 3 — BRIGHT SUNSHINE

Averages of bright sunshine for Mainland Stations extracted from Air Ministry official publications.

1901—1930

<i>Town</i>					<i>Hours of Sunshine</i>
WORTHING	..	..	..	..	1834
Bognor Regis	..	..	..	..	1827
Eastbourne	..	..	..	..	1826
Hastings	..	..	..	..	1801
Southsea	..	..	..	..	1801
Littlehampton	..	..	..	..	1800

1906—1935

<i>Town</i>					<i>Hours of Sunshine</i>
WORTHING	..	..	..	..	1834
Eastbourne	..	..	..	..	1833
Bognor Regis	..	..	..	..	1822
Hastings	..	..	..	..	1797
Littlehampton	..	..	..	..	1791

1921—1950

<i>Town</i>					<i>Hours of Sunshine</i>
WORTHING	..	..	..	..	1838
Eastbourne	..	..	..	..	1828
Littlehampton	..	..	..	..	1792
Hastings	..	..	..	..	1786
Southsea	..	..	..	..	1779
Bognor	..	..	..	..	1774
Margate	..	..	..	..	1771

TABLE 4 — BRIGHT SUNSHINE

Month	Total Hours Bright Sunshine	Average for 30 years 1921-1950	Hours Daily Mean	Percentage of average %	Days with Sunshine	Most in one day Hours	Monthly Totals		
							Highest	Lowest	
							Hours	Year	Year
January ..	52.4	67	1.69	78	19	7.4	109.9	1940	1912
February ..	76.1	83	2.72	93	20	8.9	140.3	1949	1947
March ..	160.4	147	5.17	109	28	10.1	220.8	1907	1916
April ..	207.0	182	6.90	114	27	12.9	267.2	1912	1905
May ..	261.1	232	8.42	112	30	14.2	353.1	1909	1932
June ..	246.0	243	8.20	101	28	13.8	318.8	1925	1909
July ..	202.8	232	6.54	87	29	14.3	369.0	1911	1944
August ..	255.2	219	8.23	117	30	13.4	298.4	1899	1912
September ..	202.2	169	6.73	119	29	12.6	262.6	1898	1945
October ..	115.9	125	3.74	93	26	9.6	181.6	1919	1915
November ..	49.8	76	1.66	63	15	8.4	131.3	1909	1934
December ..	56.2	63	1.81	89	21	6.6	96.0	1946	1903
Year 1953 ..	1885.1	1838	5.17	103	302	14.3	369.0	July 1911	Dec. 1903
Highest and Lowest Year Totals							2141.0	1899	1913

TABLE 5 — BRIGHT SUNSHINE

Year	Campbell-Stokes Recorder Bright Sunshine Hours	Bright Sunshine Days	Sunniest Days	
			Day	Hours
1933	2102.6	323	July 4th	15.2
1934	1811.0	289	July 10th	15.5
1935	1805.2	309	July 8th	15.0
1936	1675.0	310	June 23rd	15.2
1937	1668.3	317	June 6th	14.4
1938	1796.4	310	June 21st	15.3
1939	1809.7	310	June 1st	15.4
1940	1976.8	323	July 1st	15.2
1941	1791.7	317	June 25th	15.2
1942	1711.6	312	June 5th	14.8
1943	1864.8	313	June 24th	14.9
1944	1765.5	315	June 24th	14.9
1945	1783.9	309	June 17th	14.8
1946	1790.7	307	July 10th	15.1
1947	1896.8	294	June 10th	14.9
1948	1916.9	319	May 18th	14.9
1949	2128.9	317	July 10th	14.8
1950	1805.4	312	June 16th	15.1
1951	1838.4	297	June 19th	15.1
1952	1917.0	317	June 30th	15.1
1953	1885.1	302	July 24th	14.3
Average for 20 years 1933—1952	1842.8	311		

TABLE 6 — RAINFALL

1953	Total Rain-fall	Difference from the Normal	Greatest Fall in 24 hours beginning 9 a.m.	Number of Days with		Total Rain Days
				.01 in. or more	.04 in. or more	
January ..	ins. 1.18	ins. -1.14	ins. 0.62	7	3	7
February ..	1.07	-0.90	0.42	9	4	9
March ..	.22	-1.74	0.15	4	2	4
April	2.53	+0.96	1.14	14	11	14
May	2.09	+0.44	0.79	9	7	9
June	1.86	+0.13	0.68	13	8	13
July	2.47	+0.43	0.73	16	10	16
August ..	1.81	-0.43	0.72	7	5	7
September ..	3.95	+1.83	1.13	13	11	13
October ..	4.37	+0.75	1.22	13	10	13
November ..	1.90	-1.28	0.59	10	8	10
December ..	.88	-2.15	0.32	10	4	10
Year	24.33	-3.10	1.22	125	83	125

TABLE 7 — RAINFALL

Year	Rainfall in inches	No. of Days Rain fell (0.01 inch or more)	Greatest Fall in a Day	
			Amount in inches	Day and Month
1933	20.40	125	1.44	12th September
1934	27.49	139	1.62	8th November
1935	37.74	173	1.39	7th November
1936	27.42	169	1.79	6th November
1937	31.59	162	0.87	4th February
1938	22.95	156	0.75	24th September
1939	34.42	171	1.41	13th October
1940	30.13	148	1.50	3rd November
1941	25.83	139	1.36	4th June
1942	24.62	129	1.06	25th October
1943	23.68	145	1.74	13th January
1944	22.14	136	1.22	20th October
1945	22.98	138	2.05	10th July
1946	30.96	170	2.02	16th August
1947	24.31	139	0.94	10th March
1948	25.23	154	1.41	6th August
1949	23.90	120	1.34	20th October
1950	26.95	157	0.89	20th November
1951	37.98	184	1.40	11th June
1952	28.54	175	1.29	30th September
Average for 20 years	27.46	151	2.05	10th July 1945
1953	24.33	125	1.22	12th October

TABLE 8 — BAROMETRIC PRESSURE AND TEMPERATURE

1953	Barometric Pressure (Reduced to Sea Level and 32° Fahr.)			Air Temperature in Screen					
	Mean Inches.	Extremes.		Means of		Mean of A & B	Difference from Normal	Extremes	
		Highest	Lowest	A Max.	B Min.			Max.	Min.
January	30.203	30.630	29.480	42.4	35.0	38.7	-2.2	51	26
February	30.139	30.689	28.573	43.8	35.3	39.5	-1.4	54	25
March	30.446	30.856	29.646	50.1	36.1	43.1	-0.7	58	28
April	29.911	30.216	29.280	54.1	42.2	48.1	+0.1	68	35
May	30.106	30.405	29.575	62.1	48.9	55.5	+2.0	73	39
June	29.952	30.199	29.628	66.1	53.5	59.8	+0.7	80	43
July	29.945	30.229	29.547	67.3	56.2	61.7	-0.8	76	52
August	30.094	30.358	29.618	70.1	57.0	63.5	+0.9	77	50
September	29.990	30.518	29.350	65.8	53.2	59.5	+0.1	76	43
October	30.109	30.565	29.487	59.0	49.1	54.1	+1.2	67	38
November	30.207	30.546	29.389	53.7	45.4	49.5	+3.3	59	35
December	30.192	30.407	29.865	50.8	42.9	46.9	+5.1	58	33
Year 1953	30.108	30.856	28.573	57.1	46.2	51.7	+1.2	80	25

TABLE 9 — WINDS

Month.	9 a.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	8	5	—	3	2	3	3	7	—
February	6	5	—	1	—	6	3	7	—
March	6	11	3	3	—	5	1	2	—
April	2	9	1	2	2	10	2	2	—
May	4	8	2	5	1	7	2	2	—
June	5	7	1	—	—	9	2	6	—
July	2	2	—	1	2	11	12	1	—
August	—	2	3	2	—	7	12	5	—
September ..	1	2	4	2	—	6	9	6	—
October	9	8	1	1	1	7	3	1	—
November ..	2	—	—	4	3	6	8	7	—
December ..	5	4	2	6	3	1	3	7	—
Year 1953 ..	50	63	17	30	14	78	60	53	—

Month.	6 p.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	7	2	—	—	3	5	6	8	—
February	5	2	1	1	—	4	5	10	—
March	4	8	6	3	—	3	5	2	—
April	3	7	2	2	2	8	5	1	—
May	2	3	2	7	1	6	7	3	—
June	3	6	—	1	1	6	8	5	—
July	1	—	—	1	1	10	15	3	—
August	—	1	1	1	—	8	17	3	—
September ..	1	2	1	3	1	5	13	4	—
October	8	5	1	—	2	6	7	2	—
November ..	1	1	—	4	2	7	9	6	—
December ..	7	6	1	4	3	2	4	4	—
Year 1953 ..	42	43	15	27	16	70	101	51	—

TABLE 10 — VISIBILITY

Summary of observations taken at 9 a.m. and 6 p.m.

MONTH	FOG						MIST OR HAZE						GOOD VISIBILITY					
	A		B & C		D & E		F	G	H	I	J	K	L	M				
	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.
January ..	—	—	—	—	1	—	5	6	3	6	3	2	4	8	3	—	—	1
February ..	—	—	—	—	1	—	2	6	1	2	8	4	5	5	1	1	—	—
March ..	—	—	2	2	—	—	1	2	5	2	6	7	6	6	—	—	—	—
April ..	—	—	—	—	—	—	—	—	—	—	6	7	6	10	4	2	3	6
May ..	—	—	—	—	—	—	—	—	—	1	3	6	12	4	5	3	3	14
June ..	—	—	—	—	—	—	—	—	1	—	6	9	8	4	5	3	2	9
July ..	—	—	—	—	—	—	—	—	—	1	3	5	9	6	6	—	5	14
August ..	—	—	—	—	—	—	—	—	1	1	3	4	7	8	6	1	6	16
September ..	—	—	—	—	—	—	—	1	1	1	1	4	10	8	5	1	4	14
October ..	—	—	—	1	—	—	—	3	1	3	9	2	6	4	—	1	3	3
November ..	—	—	—	—	—	—	4	6	3	1	7	6	3	4	1	3	1	2
December ..	—	—	1	—	1	1	6	4	8	2	6	8	1	5	—	—	—	—
Year 1953 ..	—	—	3	3	3	1	18	22	32	20	62	87	64	77	36	15	27	79

KEY TO TABLE 10 — VISIBILITY

Letter	Standard Distance	Actual Distance	Description of visibility	Object	View Point	Bearing
A	22 yards	21 yards	Dense Fog	Chestnut tree on opposite side of road	Office Door	S.E.
B	44 yards	45 yards	Dense Fog	Chestnut tree outside entrance to "Ryecroft"	Office Gate	E.
C	110 yards	110 yards	Thick Fog	N.W. corner of Town Hall	Office Gate	E.
D	220 yards	220 yards	Fog	Christ Church Tower	Office Window	S.
E	440 yards	430 yards	Moderate Fog	Holy Trinity Church Spire	Christ Church Tower	S.W.
F	1100 yards	1100 yards	Mist or Haze	Heene Church Tower	" "	W.
G	1½ miles	1¼ miles	Poor	Tarring Church Tower	" "	N.W.
H	2½ miles	2¼ miles	Moderate	Top of High Salvington Hill	" "	N.W.
I	4½ miles	4¼ miles	Good	Highdown Hill	" "	W.N.W.
J	6¼ miles	6½ miles	Good	Portslade Gas Works Chimney	" "	E.
K	12½ miles	12¼ miles	Very Good	Hills beyond Brighton	" "	E.
L	18½ miles	18¼ miles	Excellent	Selsey Bill	" "	W.S.W.
M	25 miles	27 miles	Abnormal	Beachy Head	" "	E.S.E.

TABLE 11 — CLIMATE OF WORTHING — 1900 - 1953

Year	Temperatures							Rainfall		Sunshine	Year
	Means					Extremes		Amount at Observ- atory	Number of days rain fell	Number of hours in year	
	9 a.m.	Min.	Max.	Range	Mean	Min.	Max.				
	Degrees							Inches			
1900 ..	51.2	44.9	56.2	11.3	50.6	20.9	79.0	26.33	182	1885.6	.. 1900
1901 ..	50.2	43.6	55.8	12.2	49.7	22.9	80.7	21.45	139	2017.0	.. 1901
1902 ..	50.2	43.6	55.0	11.1	49.6	21.8	78.0	23.77	157	1661.7	.. 1902
1903 ..	50.9	45.2	55.4	10.2	50.3	23.7	78.2	32.19	189	1749.2	.. 1903
1904 ..	50.4	44.3	55.5	11.2	49.9	23.8	77.4	26.85	163	1748.4	.. 1904
1905 ..	50.1	42.2	55.6	11.4	49.1	23.9	77.1	24.63	162	1715.3	.. 1905
1906 ..	50.6	44.3	56.1	11.8	50.2	24.9	78.6	30.44	173	2010.6	.. 1906
1907 ..	50.2	45.1	54.8	9.5	50.0	20.4	76.1	21.78	158	1776.8	.. 1907
1908 ..	50.9	44.1	56.1	12.1	50.1	16.0	80.2	22.15	146	1991.3	.. 1908
1909 ..	49.7	43.0	54.6	11.6	48.8	19.9	81.2	32.11	178	1958.6	.. 1909
1910 ..	50.8	44.5	55.9	11.5	50.1	21.9	73.8	32.57	191	1731.0	.. 1910
1911 ..	52.8	45.1	58.0	12.9	51.5	25.4	87.9	31.68	149	2115.0	.. 1911
1912 ..	51.6	45.0	56.6	11.6	50.8	19.0	84.2	35.95	192	1609.9	.. 1912
1913 ..	52.1	45.9	57.4	11.5	51.6	26.2	79.0	34.98	170	1600.2	.. 1913
1914 ..	52.7	45.2	57.9	12.7	51.5	23.2	78.2	31.31	164	2000.5	.. 1914
1915 ..	51.1	43.8	56.3	11.8	50.5	24.7	77.1	36.64	152	1801.3	.. 1915
1916 ..	51.2	44.7	56.3	11.6	50.5	25.0	77.0	32.89	182	1658.0	.. 1916
1917 ..	49.2	43.0	54.6	11.6	48.8	20.7	79.0	25.49	147	1804.7	.. 1917
1918 ..	51.0	44.7	56.5	11.8	50.6	20.0	78.0	24.41	165	1856.5	.. 1918
1919 ..	49.4	42.9	54.9	12.0	48.9	22.0	78.5	28.54	158	1788.5	.. 1919
1920 ..	51.7	45.6	56.6	11.0	51.1	23.0	76.0	26.40	139	1692.1	.. 1920
1921 ..	53.4	46.4	58.8	12.4	52.6	27.6	86.7	13.26	108	2101.5	.. 1921
1922 ..	50.1	43.9	54.8	10.9	49.3	25.2	78.2	25.71	159	1781.2	.. 1922
1923 ..	50.8	44.5	55.6	11.1	50.1	24.0	86.0	30.62	170	1805.9	.. 1923
1924 ..	50.8	45.4	55.3	9.9	50.3	25.0	74.6	32.65	159	1759.6	.. 1924
1925 ..	49.8	44.7	55.9	11.2	50.3	24.0	80.2	34.70	158	1955.8	.. 1925
1926 ..	51.6	45.7	56.7	11.0	51.2	21.8	83.3	28.57	160	1677.7	.. 1926
1927 ..	50.8	45.0	55.8	10.8	50.4	22.4	78.1	34.88	165	1731.4	.. 1927
1928 ..	51.9	45.1	57.0	11.9	51.0	21.6	82.0	32.84	161	1999.1	.. 1928
1929 ..	50.9	44.1	56.0	11.9	50.0	13.0	80.0	29.71	134	2062.5	.. 1929
1930 ..	52.0	46.9	56.4	9.5	51.3	26.0	82.6	28.31	169	1821.4	.. 1930
1931 ..	51.0	45.0	55.0	10.0	50.0	21.0	77.0	25.80	147	1610.5	.. 1931
1932 ..	50.5	45.1	55.8	10.7	50.5	23.0	80.0	23.91	148	1616.7	.. 1932
1933 ..	52.0	45.5	56.4	10.9	51.2	23.6	81.2	20.40	125	2102.6	.. 1933
1934 ..	52.1	45.6	57.5	11.9	51.8	24.0	82.0	27.49	139	1811.0	.. 1934
1935 ..	51.8	46.1	56.6	10.5	51.3	25.6	83.8	37.74	173	1805.2	.. 1935
1936 ..	51.3	45.4	55.9	10.5	50.7	27.1	81.3	27.42	169	1675.0	.. 1936
1937 ..	51.5	46.3	57.2	10.9	51.8	26.0	76.8	31.59	162	1668.3	.. 1937
1938 ..	52.7	46.1	57.1	11.0	51.6	19.5	82.5	22.95	156	1796.4	.. 1938
1939 ..	51.8	45.8	56.5	10.7	51.2	20.0	81.5	34.42	171	1809.7	.. 1939
1940 ..	50.0	45.0	56.0	11.0	50.5	16.0	80.0	30.13	148	1976.8	.. 1940
1941 ..	50.3	44.0	56.0	12.0	50.0	22.0	83.0	25.83	139	1791.7	.. 1941
1942 ..	50.0	44.8	55.3	10.5	50.5	19.0	83.0	24.62	129	1711.6	.. 1942
1943 ..	52.0	46.0	58.0	12.0	52.0	28.0	80.0	23.68	145	1864.8	.. 1943
1944 ..	51.3	45.4	56.2	10.8	50.8	26.0	81.0	22.14	136	1765.5	.. 1944
1945 ..	52.5	46.5	57.2	10.7	51.2	19.0	80.0	22.98	138	1783.9	.. 1945
1946 ..	51.6	45.5	55.7	10.2	50.6	23.0	76.0	30.96	170	1790.7	.. 1946
1947 ..	51.3	45.7	56.1	10.4	50.9	15.0	90.0	24.31	139	1896.8	.. 1947
1948 ..	52.6	46.6	57.6	11.0	52.1	17.0	88.0	25.23	154	1916.9	.. 1948
1949 ..	53.3	47.2	58.4	11.2	52.8	29.0	81.0	23.90	120	2128.9	.. 1949
1950 ..	52.1	46.1	56.7	10.6	51.4	24.0	81.0	26.95	157	1805.4	.. 1950
1951 ..	51.9	46.0	56.3	10.3	51.2	22.0	76.0	37.98	184	1838.4	.. 1951
1952 ..	50.7	45.0	56.0	11.0	50.2	23.0	82.0	28.54	175	1917.0	.. 1952
1953 ..	51.9	46.2	57.1	11.1	51.7	25.0	80.0	24.33	125	1885.1	.. 1953

NATIONAL HEALTH SERVICE ACT, 1946

Part III Services

The day-to-day administration of the Part III Services provided under the National Health Service Act is delegated to the Worthing County Health Sub-Committee. This section summarises the work carried out in the Borough during the year.

SECTION 22. CARE OF MOTHERS AND YOUNG CHILDREN

Child Welfare Centres :

There are four Child Welfare Centres in the Borough situated as follows:—

- (1) The Central Clinic—Monday and Friday afternoons.
- (2) Church Hall, Durrington—Second and fourth Thursday afternoons in each month.
- (3) St. Mary's Hall, Goring—Thursday afternoons.
- (4) Free Church Hall, Findon Valley—First and third Wednesday afternoons in each month.

1,191 infants and children made a total of 8,526 attendances at all centres during the year. The number of infants who first attended at the centres during the year whilst they were under one year of age was 437, equivalent to 75.3 per cent. of the notified live births.

Ante- and Post-Natal Clinics :

The following is a summary of attendances, etc., at these clinics:—

Medical Officer's Clinic :

No. of clinics	..	..	..	..	50
New cases	..	..	..	..	246
Total attendances	..	..	..	..	1,021
Average attendance per session	..	..	..	..	20.4

Midwives' Clinic :

No. of clinics	..	..	..	..	41
New cases	..	..	..	..	123
Total attendances	..	..	..	..	543

Ante-Natal Relaxation Exercises Clinic :

New cases	..	..	..	..	74
Total attendances	..	..	..	..	340

DENTAL SERVICE

The following tables give details of the treatment carried out during the year:—

(a) Numbers provided with dental care:

	Examined	Needing treatment	Treated	Made dentally fit
Expectant and Nursing Mothers ...	18	16	12	11
Children under five	164	87	83	73

(b) Forms of dental treatment provided:

	Extractions	Anaesthetics		Fillings	Scalings or Scaling and gum treatment	Silver Nitrate treatment	Dressings	Radiographs	Dentures provided		Dentures repaired
		Local	General						Complete	Partial	
Expectant and Nursing Mothers	20	4	5	22	2	1	3	-	4	1	-
Children under five	62	8	26	148	1	27	20	-	-	-	-

Dental X-rays are carried out at Worthing Hospital and arrangements exist for the supply of dentures locally.

CARE OF PREMATURE INFANTS

All infants weighing up to 5½ lbs. at birth are included under this heading and in Worthing a special note is made on the notification of birth cards in respect of all infants whose birth weight is 5½ lbs. or less.

Special arrangements for the care of premature infants in their own homes are made within the Midwifery and Health Visiting Services, and infants who cannot be cared for at home are admitted to hospital.

Premature infants born in hospital are notified to the Department on discharge and are kept under supervision by the Health Visitors and invited to attend the Welfare Centres.

Thirty-two premature live births were notified, of which ten occurred at home and four in private nursing homes. Four premature still-births were also notified.

SECTION 23. MIDWIFERY

The following is a summary of the work of the domiciliary midwives:—

Confinements attended—				
as midwife	..	..	..	152
as maternity nurse	..	..	..	52
Analgesia administered—				
as midwife	..	..	..	114
as maternity nurse	..	..	..	44
Pethidine administered—				
as midwife	..	..	..	34
as maternity nurse	..	..	..	69
Nursings—				
as midwife	..	..	..	3,248
as maternity nurse	..	..	..	680
Ante-natal visits	..	..	..	2,153

Notification of Births. 599 live births and 14 still-births were registered during the year.

SECTION 24. HEALTH VISITING

Seven Health Visitors devote half their time to duties connected with the Health Services provided under Part III of the National Health Service Act, 1946.

The following are details of visits made by the Health Visitors during the year:—

Expectant and nursing mothers—total visits	..	..	364
First visits to infants under 1 year of age	..	..	601
Re-visits to infants under 1 year of age	..	..	2,875
Children 1—5 years—total visits	..	..	4,534
Infectious disease visits	..	..	240
Tuberculosis visits	..	..	344
Visits to aged and infirm persons	..	..	306
Other visits	..	..	228

SECTION 25. HOME NURSING

The services of the Home Nurses are provided on the recommendation of a doctor to any patient requiring such service. The nursing staff at the 31st December comprised an Area Nursing Officer, 13 full-time and 3 part-time Home Nurses.

The following table gives particulars of the number of cases dealt with during the year under review:—

No. of cases attended by Home Nurses	..	..	2,734
No. of visits paid by Home Nurses	..	..	54,625

SECTION 26. VACCINATION AND IMMUNISATION

1. *Vaccination :*

Vaccinations are carried out by Practitioners as a part of the General Medical Service, and a fee is payable by the County Council for the Record of the vaccination which the Practitioner supplies in each case.

The following table gives details of the vaccinations carried out during the year:—

Number of persons vaccinated (or re-vaccinated)

Age at date of vaccination	Under 1	1	2 to 4	5 to 14	15 or over	Total
Number vaccinated ...	93	119	16	13	27	268
Number re-vaccinated ...	—	—	9	46	192	247

2. *Diphtheria Immunisation :*

During the year, 398 children under five years and 11 children aged five to fifteen years were immunised. 243 were immunised at the Clinics and 166 by private doctors. In addition 406 children received reinforcing injections.

SECTION 27. AMBULANCE SERVICES

The St. John Ambulance Brigade acts as agent for the County Council in operating the Ambulance and Hospital Car Services in the Borough of Worthing.

During the year the Worthing Ambulance Division carried 6,098 patients, covering a total distance of 59,905 miles.

SECTION 28. PREVENTION OF ILLNESS, CARE & AFTER-CARE

1. *Tuberculosis :*

The Health Visitors continued to attend at the Chest Clinics held at Worthing Hospital. They also made 344 visits to patients in their own homes.

The Worthing Area Committee of the Sussex Rural Community Council has met quarterly and has been instrumental in helping many patients and their families.

2. *Care and After-Care :*

Close liaison exists between the Hospital Almoners and the Health Visitors, and numerous visits were made to chronic sick cases and aged persons (see Health Visitors' statistical table).

3. *Prevention of Illness :*

The Health Visitors continued to play an important part in health education during the year, in addition, exhibition stands relating to various aspects of the Health Services were erected in the clinics, and the Medical Officer of Health either arranged or gave a number of talks to local organisations in the Borough.

SECTION 29. DOMESTIC HELP

This service continues to provide Domestic Help in cases of illness, aged persons, maternity cases and other cases of need. Applications for help are only approved on the recommendation of a doctor or midwife, and all circumstances are carefully investigated in order to assess the amount of help required.

A charge is made for the services of a Domestic Help, the amount being determined according to the financial circumstances of the applicant.

<i>Applications for Assistance</i>	<i>Maternity Cases</i>	<i>Tuberculosis Cases</i>	<i>Chronic Sick inc. aged & infirm Cases</i>	<i>Other Cases</i>	<i>Total</i>
(a) No. of cases receiving assistance at 1st January, 1953	4	3	142	43	192
(b) No. of new applications received	65	4	98	253	420
(c) No. of cases in (b) assisted	53	4	87	241	385
(d) No. of cases in (b) approved, but for which assistance was not available	—	—	—	—	—
(e) No. of cases in (b) not approved	—	—	—	—	—
(f) No. of applications in (b) withdrawn:					
(i) Before arrangements made	10	—	9	11	30
(ii) After arrangements made	2	—	2	1	5
(g) No. of cases in (a) and (b) completed during the year	52	4	82	242	380
(h) No. of cases receiving assistance at end of year	5	3	147	42	197

Number of Domestic Helps employed at 31st December, 1953:—
(a) Whole-time—2 ; (b) Part-time—47.

THE UNIVERSITY OF CHICAGO

The University of Chicago is a private research university in Chicago, Illinois. It was founded in 1837 and is one of the oldest and most prestigious universities in the United States. The university is known for its commitment to academic excellence and its diverse range of programs and research.

The university is organized into several divisions, including the College of Arts and Sciences, the Divinity School, the Law School, the Graduate School of Business, and the School of Medicine. Each division is headed by a dean and includes a variety of departments and programs.

The University of Chicago is also known for its strong emphasis on research and scholarship. It has a long history of producing world-class scholars and researchers in a wide range of fields, from the natural sciences to the humanities. The university's research is supported by a variety of sources, including the federal government, private foundations, and the university itself.

The University of Chicago is a member of the Association of American Universities and the Association of Research Universities. It is also a member of the Ivy League and the Big Ten Conference. The university's reputation for academic excellence and research has made it one of the most respected universities in the world.

The University of Chicago is a place where the best minds come to learn and do research. It is a place where the pursuit of knowledge is the highest priority. The university's commitment to academic excellence and research has made it a place where the future is being shaped.

The University of Chicago is a place where the past meets the future. It is a place where the legacy of the past is being preserved and the future is being created. The university's commitment to academic excellence and research has made it a place where the future is being shaped.

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