



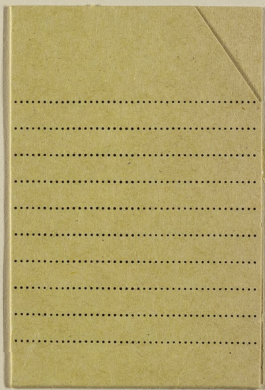
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SIXTY-FIFTH  
ANNUAL REPORT

OF THE

REGISTRAR-GENERAL

OF

BIRTHS, DEATHS, AND MARRIAGES  
IN ENGLAND AND WALES.

(1902.)

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Presented to both Houses of Parliament by Command of His Majesty.

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## REPORT

TO

THE RIGHT HONOURABLE WALTER H. LONG, M.P.,

*President of the Local Government Board, &c., &c.*

(1902.)

SIR,

I HAVE the honour to submit to you the following Report on the estimated population, and on the marriages, births, and deaths registered during the year 1902.

## POPULATION.

The population of England and Wales, enumerated at the beginning of April, 1901, consisted of 32,527,843 persons. From that date until the middle of 1902 the number of births exceeded the number of deaths by 478,817. If there had been neither emigration nor immigration this excess would have raised the population in the middle of the year to 33,006,660. In the absence of precise information regarding these disturbing causes the populations in the Annual Reports are provisionally estimated on the assumption that the rate of increase which had prevailed in the last completed intercensal period has been since maintained.

Estimated in this way the population of England and Wales in the middle of the year 1902 amounted to 32,997,626 persons, of whom 15,952,154 were males and 17,045,472 were females. This population has been distributed among the counties after making due allowance for their several rates of increase in the intercensal period. For the purpose of this calculation the intermediate London Census has been left out of account, this course having been found necessary in consequence of the changes of area resulting from the London Government Act, 1899.

## MARRIAGES.

The marriages during the year 1902 numbered 261,750, corresponding to a rate of 15.9 persons married per 1000 of the estimated population at all ages. The rates in the five preceding years 1897-1901 had been 16.0, 16.2, 16.5, 16.0, and 15.9. In no other year since 1876 had the rate exceeded 15.7 per 1000 (Table 3).

The mean marriage-rates in the three-year periods 1880-82, 1890-92, 1900-02, calculated as above on the total population, were respectively 15.2, 15.5, and 15.9, showing a progressive increase in the marriage rate as ordinarily understood. Since, however, a large majority of the population are either already married or are below the minimum age at which marriages take place, it is manifest that the total population is not a satisfactory standard by which to measure the rate of marriage. If the rates be calculated on the unmarried and widowed portion of the population at ages above 15 years, the apparent increase noted above is turned into a decrease; for the rates in the same periods on this basis are 51.5, 49.8, and 48.7 per 1000. Although, therefore, the marriage rate has increased in proportion to the whole population, it has decreased in proportion to that section of the population among which marriages take place.

Among registration counties the lowest marriage-rates in proportion to the total population at all ages were 12.9 per 1000 in Westmorland, 13.2 in Cornwall, 13.4 in Rutlandshire, 13.6 in Herefordshire, 13.8 in Hertfordshire, 13.9 in Essex, in Somersetshire, and in North Wales, and 14.0 in Middlesex; the highest were 16.4 in Durham, in Northumberland, and in South Wales, 16.8 in Lancashire, 17.2 in Warwickshire, 17.3 in Nottinghamshire, and 17.8 in London (Table 10).

If, however, the rates be calculated, not in proportion to the total population, but in proportion to the unmarried and widowed at ages above 15 years, the relative positions of the counties as regards their marriage-rates will be considerably altered. Essex and Middlesex will no longer be included among the nine counties with the lowest marriage-rates, their places being taken by Surrey and Sussex. London, instead of showing the highest rate, will rank only eighth; while Lancashire and Northumberland will also disappear from among the counties with the seven highest rates; these three countries being replaced by Derbyshire, Staffordshire, and Monmouthshire. The rates for six counties, namely, Northamptonshire, Essex, Staffordshire, Leicestershire, Lincolnshire, and the East Riding of Yorkshire, though below the average for England and Wales when calculated on the basis of the total population, are above the average when calculated on the alternative basis; while the reverse is shown by the rate for the West Riding of Yorkshire.

In the following table the results of the two methods of calculation are shown in a convenient form.

TABLE A.—MARRIAGE-RATE in ENGLAND and WALES (taken as 100) and PROPORTIONAL FIGURES for each COUNTY, 1902.

I	Proportional Marriage Figure.		—	Proportional Marriage Figure.	
	By population at all ages.	By unmarried and widowed over 15 years of age.		By population at all ages.	By unmarried and widowed over 15 years of age.
England and Wales	100	100	Gloucestershire ...	99	98
London ... ..	112	104	Herefordshire ...	86	82
Surrey ... ..	89	80	Shropshire ... ..	90	87
Kent ... ..	94	91	Staffordshire ...	99	110
Sussex ... ..	91	81	Worcestershire ...	94	95
Hampshire ...	98	94	Warwickshire ...	108	114
Berkshire... ..	92	91	Leicestershire ...	95	102
Middlesex... ..	88	90	Rutlandshire ...	84	80
Hertfordshire ...	87	86	Lincolnshire ...	97	102
Buckinghamshire	89	94	Nottinghamshire	109	120
Oxfordshire ...	92	92	Derbyshire ... ..	101	108
Northamptonshire	92	100	Cheshire ... ..	92	89
Huntingdonshire	94	99	Lancashire ... ..	106	104
Bedfordshire ...	89	90	West Riding ... ..	102	99
Cambridgeshire ...	90	94	East Riding ... ..	99	103
Essex ... ..	87	101	North Riding ...	97	96
Suffolk ... ..	92	98	Durham ... ..	103	117
Norfolk ... ..	89	95	Northumberland...	103	104
Wiltshire ... ..	92	96	Cumberland ... ..	92	89
Dorsetshire ...	93	90	Westmorland ...	81	73
Devonshire ...	97	92	Monmouthshire ...	101	111
Cornwall ... ..	83	78	South Wales ... ..	103	108
Somersetshire ...	87	86	North Wales ... ..	87	82

*Certified Places of Worship.*—The number of buildings certified in the course of the year 1902 for religious worship and recorded in the official register under the provisions of the Acts 15 & 16 Vict. c. 36 and 18 & 19 Vict. c. 81 was 622, while 243 buildings were removed from the register on proof of disuse; the total number on the register at the end of the year was 25,159.

*Buildings Registered for the Solemnization of Marriages.*—At the end of the year 1902 there were 15,442 churches or chapels of the Established Church in which marriages may be solemnized, showing an increase of 51 upon the number at the end of the previous year. There were also 13,439 buildings registered for the solemnization of marriages by rites other than those of the Established Church, showing an increase of 281 upon the number on the register at the end of the previous year. (Table 6.)

At the end of the year the governing bodies of 1,773 out of the 13,439 registered buildings had availed themselves of the Marriage Act (1898), which provides that, under specified conditions, marriages may be solemnized in registered buildings by certain duly authorized persons without the attendance of a Registrar of Marriages. The denominations to which these buildings belong are as follows :—

Wesleyan Methodists	...	...	...	...	868
Congregationalists	...	...	...	...	314
Baptists	...	...	...	...	170
Primitive Methodists	...	...	...	...	125
United Methodist Free Churches	...	...	...	...	113
Calvinistic Methodists	...	...	...	...	48
Methodist New Connexion	...	...	...	...	31
Other Denominations, and Unsectarian	...	...	...	...	104
					1,773

The 1,773 registered buildings which had been supplied with marriage register books before the end of 1902 were distributed among 437 registration districts. There remained 198 registration districts within which no registered building had been brought under the operation of the Act.

*Forms of Marriage.*—Of the 261,750 marriages in England and Wales during the year 1902, 173,011, or 661 per 1000, were solemnized according to the rites of the Established Church, and 88,739, or 339 per 1000, were contracted otherwise. The proportion of Church marriages is the lowest on record, the decrease of 5 per 1000 since the previous year being balanced by an increase in the proportion of civil marriages in Superintendent Registrars' offices. The proportion of Roman Catholic marriages was the same as in 1901, while that of Nonconformist marriages had slightly decreased, and Jewish marriages, which have steadily increased for many years, reached the highest proportion yet recorded. (Table 7.)

Marriages in registered buildings belonging to the various Nonconformist bodies amounted to 127 per 1000 of the total marriages, against 128 per 1000 in the previous year. This proportion was made up of 101 which were contracted in the presence of Registrars (against 104 in 1901), and 26 which were solemnized by "authorized persons" under the provisions of the Marriage Act of 1898 (against 24 in 1901). The highest proportions of Nonconformist marriages were 242 per 1000 in Monmouthshire, 251 in South Wales, 328 in Cornwall, and 396 in North Wales; in no other county did the proportion exceed 168 per 1000. The highest proportions of marriages before authorized persons were 42 per 1000 in Lancashire, 44 in the East Riding of Yorkshire, 45 in Cumberland, 48 in Derbyshire and in Cheshire, 50 in the West Riding of Yorkshire, and 56 in Lincolnshire. The total proportions

of Nonconformist marriages in these counties ranged from 123 to 168 per 1000. In London, Surrey, Sussex, Hampshire, Hertfordshire, Rutlandshire, and Monmouthshire the proportions of marriages before authorized persons were less than 10 per 1000 of the total marriages.

As in previous years, a large majority of the Jewish marriages took place in London, 62 per cent. of them being registered in a group of three registration districts—London City, Whitechapel, and Mile End Old Town—in the central and eastern parts of the county. The proportion of such marriages in London was 34·7 per 1000, the highest proportions in other counties being 6·7 in Lancashire, 5·8 in the East Riding of Yorkshire and 5·2 in the West Riding. (Table 8.)

*First Marriages; Re-marriages.*—Of the 261,750 men who married during the year, 237,893, or 909 per 1000, were bachelors, and 23,857, or 91 per 1000, were widowers. Of the 261,750 women who married, 243,936, or 932 per 1000, were spinsters, and 17,814, or 68 per 1000, were widows. It was noted in the last two Annual Reports that the decrease in the proportion of re-marriages, which had prevailed for many years, was interrupted in 1900 and 1901; decrease is again shown by the figures for 1902, the proportion of widowers who re-married being the lowest, and the proportion of widows nearly the lowest, on record.

The following table gives a general view of the changes in the proportions of widowers and widows shown by the marriage registers since 1876 :—

	In 1000 Marriages.	
	Widowers.	Widows.
1876-80	136·2	98·0
1881-85	126·0	89·2
1886-90	119·0	83·0
1891-95	112·8	79·2
1896-1900	96·4	69·0
1901	97	72
1902	91	68

The decrease in the marriage-rate in proportion to unmarried and widowed persons over 15 years of age, which has been noted above, has affected both bachelors and widowers, and both spinsters and widows. It has, however, been considerably greater among widowers and widows than among the unmarried of either sex.

The following are the rates for the three periods already referred to:—

	Mean Annual Marriage-rate per 1000 living, over 15 years of age.			
	Bachelors.	Widowers.	Spinsters.	Widows.
1880-82 ... ..	55·7	58·2	56·9	18·2
1890-92 ... ..	54·8	53·4	54·5	16·3
1900-02 ... ..	54·7	44·4	53·0	14·4

Of the 523,500 persons who married in the course of the year 1902, 479 are described in the marriage register as having been previously divorced.\* The corresponding numbers in the three years 1899-1901 had been 353, 390, and 416. Of the 479 divorced persons who re-married in 1902, 245 were men, of whom 189 married spinsters and 32 married widows; and 234 were women, of whom 158 married bachelors and 52 married widowers. In 24 cases divorced men married divorced women.

*Ages at Marriage.*—Among the persons who married in 1902, 47 per 1000 of the husbands and 154 per 1000 of the wives were minors. These are the lowest proportions of minors that have been recorded since 1849 for men and since 1850 for women. The following table shows the decline in the proportions of marriages under age during recent years:—

	Minors in 1000 Marriages.	
	Husbands.	Wives.
1876-80 ... ..	77·8	217·0
1881-85 ... ..	73·0	215·0
1886-90 ... ..	63·2	200·2
1891-95 ... ..	56·2	182·6
1896-1900 ... ..	51·2	168·0
1901 ... ..	50	160
1902 ... ..	47	154

\* In Table 9, and in the Abstracts on pp. 64-74, divorced persons are included among bachelors and spinsters.

Among registration counties the lowest proportions per 1000 of husbands under age at marriage were 7 in Rutlandshire, 12 in Westmorland, 16 in Herefordshire, 20 in Wiltshire, and 26 in Oxfordshire and in North Wales; the highest were 63 in Leicestershire, 66 in Staffordshire, 83 in Nottinghamshire, and 88 in Bedfordshire. The lowest proportions of wives under age were 76 in North Wales, 77 in Westmorland, 87 in Oxfordshire, and 97 in Herefordshire; the highest were 193 in Staffordshire, 196 in Derbyshire, 199 in Monmouthshire, 226 in Durham, and 228 in Nottinghamshire. Most of these counties had been among those with the highest or lowest proportions respectively in 1901 also.

Among the 523,500 persons who married in 1902, all but 2,875, or 1·10 per cent., of the husbands, and all but 3,125, or 1·19 per cent., of the wives, made definite statements of age in the marriage register. Both of these proportions show an increase as compared with those for 1901, which, therefore, are still the lowest on record. Of the 52,528 minors who married, all but 30, or 1 in 1,751, stated their ages; in 1901 the number of unstated ages had been only 11, and the ratio 1 in 4,942. Among adults, 1·15 per cent. of the husbands and 1·40 per cent. of the wives were indefinitely described as "of full age." An increase in the proportion of these unsatisfactory returns was shown by the ages of both husbands and wives in marriages of bachelors with spinsters, of bachelors with widows, and of widowers with widows. In marriages of widowers with spinsters, on the other hand, the proportions of unstated ages showed a further decrease, and were lower than in any previous year; they are still, however, considerably above 3 per cent. both for husbands and for wives. For purposes of comparison the figures for 1901 and 1902 are placed side by side in the following table:—

	Proportions per cent. of Ages not stated.			
	Adult Husbands.		Adult Wives.	
	1901.	1902.	1901.	1902.
In Marriages of—				
Bachelors with Spinsters ... ..	0·83	0·85	1·04	1·08
Bachelors with Widows ... ..	1·87	1·90	2·15	2·26
Widowers with Spinsters ... ..	3·42	3·29	3·59	3·42
Widowers with Widows ... ..	3·71	4·11	3·92	4·17
In all Marriages of—				
Bachelors ... ..	0·88	0·89	1·09	1·13
Widowers ... ..	3·53	3·60	3·72	3·70
Spinsters ... ..	1·01	1·01	1·24	1·24
Widows ... ..	2·81	3·00	3·06	3·21



As a result of the decrease in the proportion of precise statements of age, the means of the recorded ages in 1902, with the exception stated above, must be regarded as less close approximations to the truth than were the means of the recorded ages in 1901. Table B shows the mean recorded ages for these two years, together with figures which indicate roughly the degree of approximation that may be attributed to these mean ages. A similar table has been given in several recent Annual Reports, where its construction has been fully explained. Subject to correction on account of any differences between the recorded and the unrecorded ages, the mean ages in bachelor-spinster marriages showed further increase; in bachelor-widow marriages the mean age of the husbands remained unchanged while that of the wives slightly decreased; the mean ages of both husbands and wives in widower-spinster marriages decreased; and in widower-widow marriages the mean age of husbands increased while that of wives slightly decreased.

TABLE B.—MEAN AGES at MARRIAGE in 1901 and 1902.

In Marriages of	Mean Age if the recorded Ages are a true sample.				Addition to Mean Age for every 10 per cent. by which the unrecorded Ages of Adults exceed the recorded Ages.				
	1901.		1902.		1901.		1902.		
	Husbands.	Wives.	Husbands.	Wives.	Husbands.	Wives.	Husbands.	Wives.	
Bachelors with Spinsters ..	Years. 26'48	Years. 24'77	Years. 26'60	Years. 24'86	Years. '021	Years. '022	Years. '022	Years. '023	
Bachelors with Widows ..	33'94	35'65	33'94	35'62	'063	'076	'064	'080	
Widowers with Spinsters ..	42'43	33'04	42'11	32'86	'145	'116	'139	'110	
Widowers with Widows ..	49'69	44'96	49'81	44'95	'184	'176	'205	'187	
In all Marriages of	Bachelors ..	26'76	25'19	26'88	25'27	'023	'024	'023	'025
	Widowers ..	45'18	37'55	44'96	37'35	'160	'139	'163	'139
	Spinsters ..	27'51	25'31	27'55	25'36	'029	'028	'029	'028
	Widows ..	42'02	40'43	41'83	40'25	'125	'128	'134	'134
In all Marriages ..	28'55	26'39	28'53	26'37	'036	'035	'036	'036	

It might be hastily inferred from the figures on page x showing the marriage rates of bachelors, widowers, spinsters, and widows (1) that whereas widowers showed a somewhat greater tendency to re-marry than bachelors to marry in

1880-82, the bachelors showed the greater tendency to marry in 1900-02; and (2) that the tendency of widows to re-marry has always been much less than the tendency of spinsters to marry. Such inferences would be entirely fallacious. An analysis of the marriage-rates of these four classes of the population at several groups of ages in 1900-02 indicates that (with three exceptions of no importance) widowers and widows of whatever age show greater tendency to re-marry than do bachelors and spinsters of the corresponding ages to marry. The rates are shown in the following table:—

TABLE C.—MEAN ANNUAL MARRIAGE-RATES per 1000 of each CLASS LIVING at several AGE-GROUPS, 1900-02.

Ages.	Bachelors.	Widowers.	Spinsters.	Widows.
15-20 ... ..	2'5	—	12'9	54'9
20-21 ... ..	30'0	30'3	70'0	73'6
21-25 ... ..	103'4	136'9	116'0	144'5
25-30 ... ..	137'8	201'3	105'5	142'5
30-35 ... ..	94'4	202'0	57'5	103'1
35-40 ... ..	54'3	163'5	30'7	66'2
40-45 ... ..	29'9	113'4	17'8	37'3
45-50 ... ..	18'1	80'7	11'3	21'6
50-55 ... ..	10'1	52'9	6'2	10'8
55-60 ... ..	6'3	35'7	3'1	6'1
60-65 ... ..	2'7	20'3	1'5	3'1
65-70 .. ..	1'6	11'4	0'7	1'3
70-75 ... ..	0'9	5'1	0'3	0'3
75 and upwards ...	0'6	1'6	0'1	0'1
All ages above 15 ...	54'7	44'4	53'0	14'4

The apparent contradiction involved in the figures is fully accounted for by the widely differing age-constitution of the unmarried and the widowed. The numbers of bachelors and spinsters living are greatest before middle age, when the marriage-rates are high; while the numbers of widowers and widows are greatest after middle age, when the marriage rates

are low. This will be apparent on reference to Table D, which shows the age-constitution of the persons who married in 1901 and 1902 :—

TABLE D.—AGE-CONSTITUTION OF PERSONS WHO MARRIED in 1901 and 1902, reduced to 1000 at ALL AGES.

	Bachelors.		Widowers.		Spinsters.		Widows.	
	1901.	1902.	1901.	1902.	1901.	1902.	1901.	1902.
	All Ages .. .. .	1000	1000	1000	1000	1000	1000	1000
Minors .. .. .	55	52	0	0	172	165	1	1
21-25.. .. .	405	391	10	9	429	427	31	28
25-30.. .. .	349	358	65	68	264	271	119	126
30-35.. .. .	114	121	127	132	77	79	178	183
35-40.. .. .	41	42	157	155	28	28	189	192
40-45.. .. .	16	16	153	155	12	12	158	155
45-50.. .. .	7	7	140	136	5	5	121	116
50-55.. .. .	3	3	116	116	2	2	79	77
55 and upwards ..	2	2	197	193	1	1	93	90
Age not stated ..	8	8	35	36	10	10	31	32

The foregoing paradox may be briefly stated thus :—As between a bachelor and a widower of the same age, it is more likely that the widower will re-marry than that the bachelor will marry, whatever that age may be; but as between a bachelor and a widower selected without regard to age it is less likely that the widower will re-marry than that the bachelor will marry, because it is probable that the widower is several years the older.

*Signatures in Marriage Register.*—In the year 1852 no fewer than 305 out of every 1000 bridegrooms, and 446 out of every 1000

brides, signed the marriage register by mark. Stated in another way, the bridegrooms who signed their names were to those who did not, in the proportion of 228 to 100; and the brides who signed their names were to those who did not, in the proportion of 124 to 100. Since 1852 the proportions of illiterate persons of both sexes have diminished almost continuously, until in the year 1902 only 23 out of 1000 bridegrooms, and 26 out of 1000 brides, did not sign their names. The bridegrooms who signed their names were, therefore, to those who did not, in the proportion of 4,248 to 100, and the brides who signed their names were to those who did not, in the proportion of 3,746 to 100. The progressive decline in the proportions of illiterates since the period 1876-80 is shown in the following table :—

Years.	Signed by Mark in 1000 Marriages.		
	Husbands.	Wives.	Both.
1876-80... .. .	148·0	199·8	74·6
1881-85... .. .	123·4	154·8	54·4
1886-90... .. .	84·0	98·2	30·2
1891-95... .. .	51·2	59·6	16·6
1896-1900 .. .. .	31·6	37·0	9·8
1901 .. .. .	25	29	8
1902 .. .. .	23	26	7

Among registration counties there were seven, viz., London, Cornwall, Staffordshire, the West Riding of Yorkshire, Monmouthshire, South Wales, and North Wales, in which the proportions of male and female illiterates exceeded the average for England and Wales. In all of these counties, excepting London, the proportions had also been in excess in the preceding decennium, 1892-1901. London is not, indeed, the most illiterate county, but it is the county in which illiteracy has decreased most slowly in recent years. It is the only county that, having compared favourably with the average for England and Wales in former years, now compares unfavourably. The illiteracy is not, however, common to all parts of London; it is practically confined to a group of five registration districts—London City, Bethnal Green, Whitechapel, St. George-in-the-East, and Mile End Old Town. Three of these districts have already been named as those in which the bulk of the Jewish marriages in England and Wales take place. In the following

table all the five districts are compared with the remainder of London :—

District.	Signatures by mark per 1000 marriages, 1902.		Jewish marriages per 1000 marriages, 1902.	Natives of Russia, Russian Poland, Servia, Roumania, and Bulgaria per 1000 of the population in 1901.
	Husbands.	Wives.		
London City ... ..	83	75	387	13·3
Bethnal Green... ..	51	55	—	27·3
Whitechapel ... ..	165	199	483	265·1
St. George-in-the-East	59	119	82	241·0
Mile End Old Town ...	262	342	472	89·4
The above five districts	153	193	309	117·4
The remainder of London.	10	13	5	2·2

Nearly all the signatures by mark in London City and in Mile End Old Town occurred in marriages of foreign Jews. In Whitechapel and St. George-in-the-East Jewish marriages showed very large proportions of signatures by mark, but the proportions of such signatures among persons bearing English names, who were married according to the rites of the Established Church, were also excessive. In Bethnal Green 3 per cent. of the marriages were those of foreign Roman Catholics, and 44 per cent. of the signatures by mark occurred in these marriages. But, as in the case of Whitechapel and St. George-in-the-East, the signatures by mark in Church marriages were also excessive. The apparent discrepancy between the enormous proportion of Jewish marriages in Mile End Old Town and the comparatively small proportion of foreigners resident in the district is due to the fact that many of the marriages are those of Jews resident in St. George-in-the-East, Whitechapel, Bethnal Green, and other districts.

In registration counties the highest proportions of illiterate bridegrooms were 33 per 1000 in South Wales, 35 in Suffolk, 36 in Rutlandshire, 40 in Monmouthshire, 41 in North Wales, 44 in Cambridgeshire and 46 in Huntingdonshire; the highest proportions of illiterate brides were 34 per 1000 in Cornwall, in Staffordshire, and in the West Riding of Yorkshire, 41 in South Wales, and 46 in Monmouthshire and in North Wales. Among registration districts outside London in which the signatures by mark of both bridegrooms and brides amounted to more than 10 per 1000 marriages were Redruth, Dudley, Liverpool, Manchester, Leeds, Pontefract, Sheffield, Bedwellty, Pontypool, and Wrexham.

## BIRTHS.

During the year 1902 the births of 940,509 infants were registered which were equal to a rate of 28·5 per 1000 persons living. The birth-rate in 1902 was identical with that in 1901, but was 1·1 per 1000 below the average in the ten years 1892–1901.

In the year 1895 the birth-rate was 30·3, and showed an increase on the rate in the previous year. Since that date, however, the birth-rate has gradually decreased, the rate in the last two years being the lowest on record. (Table 3.)

Among registration counties the lowest birth-rates per 1000 during the year under present notice were 21·9 in Rutlandshire and in Westmorland, 22·1 in Sussex, 22·9 in Dorsetshire, and 23·0 in Somersetshire; the highest rates were 32·7 in Northumberland, 33·1 in South Wales, 33·7 in Staffordshire, 35·5 in Monmouthshire, and 35·9 in Durham. (Table 11.)

*Sex.*—The births of males numbered 479,144, and the births of females 461,365. The male births were therefore to the female births in the proportion of 1039 to 1000; the average proportion in the preceding decennium having been 1036 to 1000. In registration counties during 1902, the lowest proportions of male to female births were 955 to 1000 in Herefordshire, 965 in Rutlandshire, 988 in Oxfordshire, 1001 in Berkshire, and 1003 in Wiltshire and in Nottinghamshire; the highest proportions were 1072 to 1000 in Northamptonshire, 1074 in Cambridgeshire, 1076 in Huntingdonshire, 1079 in Buckinghamshire, 1087 in Westmorland, and 1090 in Cumberland. (Table 11.)

*Illegitimate Births.*—During the year 1902 the number of infants registered as having been born out of wedlock was 36,674; they were in the proportion of 39 per 1000 births, the average proportion in the ten years immediately preceding having been 41 per 1000. Among registration counties the lowest proportions of illegitimate to total births were 26 per 1000 in Essex, 28 in Middlesex, 29 in Monmouthshire, 30 in South Wales, and 31 in Warwickshire; the highest proportions were 60 per 1000 in Shropshire, Westmorland, and North Wales, 61 in Norfolk, and 66 in Herefordshire. (Table 11.)

## DEATHS.

The deaths registered in England and Wales during the year 1902 numbered 535,538 and were in the proportion of 16·2 per 1000 of the population at all ages. Never since 1837, when civil registration was established, has the English death-rate been so low as this, the nearest approach to it having been in the year 1894, when the rate was 16·6. (Table 3.)

In recent Annual Reports attention has been drawn to the modifying effects of a seriously decreasing birth-rate on the age-constitution of the population, and consequently on the rate of

mortality. Inasmuch as there has been no recovery in the birth-rate in 1902 as compared with the previous year, it may be well to recur briefly to the subject now.

In my last Annual Report it was shown that the ratio of deaths to persons living does not depend entirely on the vital condition of the people, but is largely modified by the relative proportions of young, middle-aged, and old persons in the population. On careful examination the tabulated results of the recent Census revealed changes in the age constitution of the living so great as to make it evident that the death-rates in 1901 and in recent previous years are not fairly comparable with those in earlier years. Accordingly for the purposes of my last report corrected figures were calculated for the years previous to 1901, showing the death-rates that would have been recorded had the age and sex constitution throughout the period been the same as that of the last Census year. The annual death-rates corrected as before mentioned will be found in tables 12 to 15 of the present report, associated with the rates at the several age groups on which they are based.

The uncorrected or "crude" rates are still given in other tables; they are useful as representing facts in a convenient form, but they cannot be regarded as accurate measures of mortality. For instance, Tables 20, 22, and 24 show how the crude death-rates are built up; the latter may therefore be used as approximate indications of changes in successive years or in small groups of years; but general death-rates cannot safely be used in comparing the mortality from one cause with that from another cause, or in comparing the mortality from the same cause in different periods, unless full allowance be made for age differences in the several populations concerned.

In my last Annual Report attention was directed to the degree in which the county death-rates are affected by differences in the age and sex constitution of their populations. In the tables of the present report, the crude rates for males and females and also for persons are shown in the several counties of England and Wales, and in Tables 16 and 17 the corrected rates for males and females appear. In the sub-joined table both sets of rates relating to persons only are contrasted, in order to emphasize the point mentioned in the preceding paragraph.

From this table it appears that if the *crude rates of mortality* be regarded as the test, the counties of Rutland, Westmorland, Surrey, Bedford, Hertford, and Northants, with rates ranging in order from 12·8 to 13·6 per 1,000 must be held to be the healthiest: whilst the counties of Durham, North Wales, South Wales, Northumberland, and Lancashire, with rates varying between 17·4 and 18·3 must be adjudged the least healthy.

If, however, the *corrected rates* of mortality be taken as the test we see that only three of the above-mentioned counties, namely, Rutland, Westmorland, and Bedford, are among the six which head the list, the other three now being Huntingdonshire, Dorsetshire, and Cambridgeshire.

On the other hand, as regards the second group of counties, whilst South Wales, Durham, Northumberland and Lancaster still remain among the counties at the bottom of the list, the relative position of North Wales is improved by correction, and that area is credited with a death-rate which is below that of the whole country.

TABLE E.—ENGLAND and WALES: COMPARISON of DEATH-RATES in REGISTRATION COUNTIES BEFORE and AFTER CORRECTION for DIFFERENCES of AGE and SEX CONSTITUTION, 1902.

Registration County.	Before Correction.	After Correction.
England and Wales ... ..	16·2	16·2
London ... ..	17·0	17·8
Surrey ... ..	13·4	13·5
Kent ... ..	16·0	15·6
Sussex ... ..	13·9	12·8
Hampshire ... ..	14·7	14·0
Berkshire ... ..	14·2	13·0
Middlesex ... ..	14·2	14·8
Hertfordshire ... ..	13·6	12·3
Buckinghamshire ... ..	14·0	12·4
Oxfordshire ... ..	15·2	13·2
Northamptonshire ... ..	13·6	12·8
Huntingdonshire ... ..	14·6	11·3
Bedfordshire ... ..	13·5	12·2
Cambridgeshire ... ..	14·5	12·2
Essex ... ..	14·3	14·3
Suffolk ... ..	15·1	12·7
Norfolk ... ..	15·3	12·8
Wiltshire ... ..	14·7	12·7
Dorsetshire ... ..	14·1	12·1
Devonshire ... ..	15·9	14·2
Cornwall ... ..	16·7	14·6
Somersetshire ... ..	14·9	12·9
Gloucestershire ... ..	16·3	15·4
Herefordshire ... ..	15·4	12·7
Shropshire ... ..	15·0	12·9
Staffordshire... ..	16·7	17·0
Worcestershire ... ..	14·2	13·9
Warwickshire ... ..	16·8	16·9
Leicestershire ... ..	14·5	14·3
Rutlandshire... ..	12·8	10·5
Lincolnshire... ..	15·0	13·4
Nottinghamshire ... ..	15·9	15·9
Derbyshire ... ..	14·7	15·0
Cheshire ... ..	15·6	16·1
Lancashire ... ..	18·3	20·0
West Riding of Yorkshire... ..	16·4	17·4
East Riding of Yorkshire... ..	16·1	15·7
North Riding of Yorkshire ... ..	16·4	15·8
Durham ... ..	17·4	18·0
Northumberland ... ..	17·6	18·3
Cumberland ... ..	16·3	15·9
Westmorland ... ..	12·8	11·4
Monmouthshire ... ..	17·2	17·1
South Wales... ..	17·5	17·6
North Wales ... ..	17·4	15·8

*Sex.*—The total deaths in the year 1902 included 277,216 of males and 258,322 of females. Among males the death-rate averaged 17·4 and among females 15·2 per 1000 living of each sex respectively. The corrected mortality both of males and of females showed a decrease of 1·5 per 1000 as compared with the corresponding average rates in the previous ten years. (Tables 13, 14.) Out of equal numbers living in 1902 there occurred 1147 deaths of males to 1000 deaths of females, as compared with an average proportion of 1129 to 1000 in the decennial period immediately preceding. (Table 3.)

*Ages at Death.*—The death-rates for 1902 are lower at all age groups of both sexes than the corresponding rates in the decennium 1891–1900, and, generally speaking, they compare favourably with those in 1901 also. During the year under review the greatest saving of life as compared with the decennial average occurred among children under 5 years of age. The rates for each sex at this age group were the lowest hitherto recorded, the male rate being 2·4 per 1000 and the female rate 2·9 per 1000 below the corresponding rates in the year 1894, which were the next lowest in the tables. The death-rates of males at ages 15–25 and 35–45, and those of females at ages 15–20 and 35–45, were also the lowest on record.

For reasons given in my previous Report, separate tables, Nos. 16 and 17, pp. xcv and xcvi, are continued in the present Report, showing the variations of mortality in different parts of the country in respect of both age and sex. Leaving out of account the rates at ages above 75 years, and taking the rates in England and Wales in each age group as a standard, the results may be roughly summarized as follows:—

In Lancashire the mortality of both sexes at every age group was in *excess* of the standard, and in Durham and Northumberland the mortality of females at every age group was in excess. In London the rates for males, and in the West Riding of Yorkshire, in Monmouthshire and in South Wales those for females, were generally higher than the corresponding rates for England and Wales as a whole.

On the other hand the rates at each age group of both sexes were *below* the standard in Surrey, Bedfordshire, Cambridgeshire, Shropshire, Worcestershire, and Leicestershire. They were also below the standard in each age group among males in Middlesex, Hertfordshire, Buckinghamshire, Suffolk, Norfolk, Wiltshire, Rutlandshire, Lincolnshire, and Derbyshire; and among females in Sussex, Hampshire, Oxfordshire, and Westmorland. Speaking generally, the rates were mostly below the standard in the Southern counties (except Kent\*), in the Eastern counties, and in the Midland counties (except Warwickshire and Staffordshire).

\* The mortality in Kent has been exceptionally increased by the deaths of persons brought from outside the county to the small-pox hospitals at Dartford.

The mortality of young children under 5 years of age was above the standard for each sex in London, Staffordshire, Warwickshire, Lancashire, West and North Ridings of Yorkshire, Durham, Northumberland, Monmouthshire, and South Wales.

Tables 16 and 17, on pages xcv and xcvi, give the death-rates at several age-groups for males and females separately in each of the Registration Counties of England and Wales; they afford a ready means for detecting any unusual incidence of mortality at the various periods of life, and contain much information supplementary to that given in the preceding remarks.

*Infantile Mortality.*—In the year 1902 the deaths of infants under 1 year of age were in the proportion of 133 per 1000 births, against 163, 154, and 151 respectively in the previous three years, and an average proportion of 154 in the decennial period 1892–1901. Among registration areas infantile mortality ranged from 71 in the county of Rutland, 82 in Westmorland, 87 in Dorset, 92 in Hertford, and 94 in Huntingdon, to 143 in Stafford, 144 in the West Riding of York, 146 in South Wales, 147 in Nottingham, and 150 in Lancaster. (Table 11.) For further comments on this subject see page lxvii in Dr. Tatham's letter.

*Urban and Rural Mortality.*—At page xxxvi will be found a table showing the variations in the death-rates during 1902 in two groups of counties which have been taken to represent severally the urban and rural portions of England and Wales.

In the year under notice the corrected death-rate in the urban group was equal to 17·8 per 1000, and that in the rural group to 13·7 per 1000 of the respective populations. The urban rate was 1·7 per 1000 below the average in the five years 1897–1901, and the rural rate was 0·8 below its average in the same period.

In the year 1902 the ratio of urban to rural mortality was as 1300 is to 1000, against a ratio of 1349 to 1000 in the five years immediately preceding.

*Certification of Causes of Death.*—Of the 535,538 deaths registered in England and Wales during the year 1902, the causes of 490,091, or 91·52 per cent., were certified by registered medical practitioners; inquests were held respecting 35,793, or 6·68 per cent.; whilst the causes of the remaining 9,654, or 1·80 per cent., were uncertified. This is the lowest proportion of uncertified deaths hitherto recorded. Of the total deaths only 0·26 per cent. were uncertified, and had been registered without previous reference to coroners. Of the 9,654 uncertified deaths registered in the year 1902, 1,403, or 14·5 per cent., were not reported to coroners, as compared with 1,701, or 17·0 per cent., in the year 1901. The following table shows the changes in the proportion of uncertified

deaths to the total deaths in the course of the five years 1898-1902:—

Year.	Uncertified Deaths to 100 of the Total Deaths.		
	Total.	Reported to Coroners.	Not reported to Coroners.
1898 ... ..	1'89	1'44	0'45
1899 ... ..	1'85	1'45	0'40
1900 ... ..	1'92	1'57	0'35
1901 ... ..	1'81	1'50	0'31
1902 ... ..	1'80	1'54	0'26

Among registration counties the highest proportions of uncertified deaths were 3'41 in Cumberland, 3'57 in North Wales, 3'61 in Derbyshire, 3'72 in Durham, 4'99 in Westmorland, 5'01 in Huntingdonshire, and 6'26 in Herefordshire. High as these proportions are, they are equalled by those in some of the large towns. Thus the proportion per cent. of uncertified deaths reached 4'43 in Gateshead, 5'28 in South Shields, 5'48 in St. Helens, and 5'77 in Warrington.

Of the registration counties named in the preceding paragraph, Huntingdonshire and North Wales had also high proportions of uncertified deaths registered without reference to coroners; the proportion of such deaths being more than 1 per cent. in these two counties, as well as in Bedfordshire and South Wales; in the other five counties mentioned, all but a small proportion of the deaths were reported to coroners.

Table G on page xxiv shows the uncertified deaths registered in the year 1902, arranged according to age, sex, and assigned causes of death; distinguishing the cases reported and not reported to coroners. Among infants under three months of age the proportion of uncertified deaths to the total deaths registered at that age group reached 4'6 per cent., and nearly one-third of these uncertified deaths were registered without being reported to coroners; the large majority of them were stated by the informants to be due to premature birth, convulsions, or debility. Among infants over three months but under one year of age, the proportion of uncertified to total deaths was 2'2 per cent.; nearly eight-ninths of these deaths were reported to coroners, and the assigned cause of more than half of them was "convulsions." Only 0'95 per cent. of the deaths between one year and 45 years of age were uncertified, and the proportion of these deaths reported to coroners was about eight-ninths. At ages 45 and under 65 years, 1'5 per cent. of the deaths were uncertified, all but one in 22 of

TABLE F.—CERTIFIED DEATHS, INQUEST CASES, and UNCERTIFIED DEATHS IN 1902, PROPORTIONS per 100 DEATHS in each REGISTRATION COUNTY.

COUNTY.	Certified by Registered Medical Practitioners.	Inquest Cases.	Uncertified Deaths.		
			Total.	Reported to Coroners.	Not Reported to Coroners.
England and Wales .. ..	91'52	6'68	1'80	1'54	0'26
London { North of Thames ..	88'78	11'15	0'07	0'05	0'02
{ South of Thames ..	91'16	8'10	0'74	0'64	0'10
Surrey .. .. .	91'96	7'21	0'83	0'79	0'04
Kent .. .. .	91'79	5'20	3'01	2'93	0'08
Sussex .. .. .	92'50	6'68	0'82	0'77	0'05
Hampshire .. .. .	91'66	7'10	1'24	1'08	0'16
Berkshire .. .. .	91'56	5'71	2'73	2'43	0'30
Middlesex .. .. .	92'01	7'04	0'95	0'86	0'09
Hertfordshire .. .. .	93'12	4'83	2'05	1'69	0'36
Buckinghamshire .. .. .	92'14	6'55	1'31	1'15	0'16
Oxfordshire .. .. .	91'90	5'77	2'33	2'15	0'18
Northamptonshire .. .. .	92'45	5'23	2'32	1'84	0'48
Huntingdonshire .. .. .	90'71	4'28	5'01	3'54	1'47
Bedfordshire .. .. .	92'30	4'67	3'03	1'81	1'22
Cambridgeshire .. .. .	92'95	5'00	2'05	1'95	0'10
Essex .. .. .	92'51	5'80	1'69	1'60	0'09
Suffolk .. .. .	91'62	6'03	2'35	1'73	0'62
Norfolk .. .. .	92'16	5'62	2'22	1'96	0'26
Wiltshire .. .. .	92'78	6'24	0'98	0'77	0'21
Dorsetshire .. .. .	92'51	4'71	2'78	2'67	0'11
Devonshire .. .. .	92'10	6'05	1'85	1'69	0'16
Cornwall .. .. .	92'01	6'25	1'74	1'18	0'56
Somersetshire .. .. .	91'69	7'33	0'98	0'75	0'23
Gloucestershire .. .. .	90'94	7'86	1'20	0'93	0'27
Herefordshire .. .. .	88'78	4'96	6'26	5'39	0'87
Shropshire .. .. .	91'08	6'10	2'82	2'15	0'67
Staffordshire .. .. .	91'58	5'97	2'45	2'15	0'30
Worcestershire .. .. .	92'51	4'93	2'56	2'44	0'12
Warwickshire .. .. .	91'53	5'73	2'74	2'60	0'14
Leicestershire .. .. .	91'04	7'37	1'59	0'97	0'62
Rutlandshire .. .. .	91'66	6'82	1'52	1'14	0'38
Lincolnshire .. .. .	92'57	5'37	2'06	1'79	0'27
Nottinghamshire .. .. .	92'59	5'65	1'76	1'49	0'27
Derbyshire .. .. .	90'24	6'15	3'61	3'37	0'24
Cheshire .. .. .	91'67	7'48	0'85	0'72	0'13
Lancashire .. .. .	91'85	5'87	2'28	2'09	0'19
West Riding of Yorks .. .. .	92'05	6'32	1'63	1'47	0'16
East Riding of Yorks .. .. .	90'91	7'77	1'32	1'21	0'11
North Riding of Yorks .. .. .	92'02	6'41	1'57	0'91	0'66
Durham .. .. .	90'81	5'47	3'72	3'15	0'57
Northumberland .. .. .	91'65	6'63	1'72	1'55	0'17
Cumberland .. .. .	92'03	4'56	3'41	3'18	0'23
Westmorland .. .. .	91'96	3'05	4'99	4'87	0'12
Monmouthshire .. .. .	92'21	7'20	0'59	0'48	0'11
South Wales .. .. .	91'44	5'89	1'67	0'55	1'12
North Wales .. .. .	92'20	4'23	3'57	2'22	1'35

TABLE G.—UNCERTIFIED DEATHS REGISTERED in 1902, ARRANGED according to AGE, SEX, and ASSIGNED CAUSE OF DEATH.

Assigned Cause of Death.	Total.	Sex.		Whether Reported to Coroners.		AGES.							
		Males.	Females.	Reported.	Not Reported.	Under 3 months and under 1 year.	YEARS.					65 and upwards.	
							1—	5—	15—	25—	45—		
Small-pox .. .. .	7	2	5	7	—	2	1	1	1	—	—	1	1
Measles .. .. .	103	59	44	90	13	3	31	60	9	—	—	—	—
Scarlet Fever .. .. .	7	4	3	7	—	—	—	6	1	—	—	—	—
Whooping Cough .. .. .	70	36	34	55	15	12	24	31	3	—	—	—	—
Diphtheria .. .. .	24	12	12	15	9	—	2	13	8	—	—	1	—
Enteric Fever .. .. .	3	3	—	2	1	—	—	—	1	—	1	1	—
Diarrhoeal Diseases .. .. .	113	63	50	92	21	14	44	22	8	1	2	9	13
Pneumonia .. .. .	134	84	50	105	28	14	23	38	7	6	15	20	11
Tuberculous Diseases .. .. .	165	93	72	139	26	7	16	18	10	22	59	27	6
Alcoholism .. .. .	23	10	13	22	1	—	—	—	—	—	6	11	6
Cancer .. .. .	29	11	18	21	8	—	—	—	—	—	4	16	9
Premature Birth and Congenital Defects.	1242	718	524	727	515	1227	11	1	2	1	—	—	—
Dentition .. .. .	168	97	71	153	15	—	104	64	—	—	—	—	—
Epilepsy .. .. .	146	77	69	138	8	—	3	3	9	16	59	37	19
Convulsions .. .. .	2103	1173	930	1875	228	1075	779	229	17	—	2	1	—
Other Nervous Diseases	139	70	69	120	19	5	13	13	10	3	14	38	43
Cerebral Hæmorrhage and Apoplexy, Hemiplegia.	351	179	172	330	21	—	—	—	1	5	47	157	141
Other Circulatory Diseases, Bronchitis .. .. .	1895	1014	881	1829	66	2	6	11	25	35	251	881	684
Other Respiratory Diseases.	141	89	53	130	12	5	14	18	8	3	21	38	35
Digestive Diseases .. .. .	150	82	68	133	17	13	18	8	18	11	24	41	17
Childbirth .. .. .	39	—	39	34	5	—	—	—	—	4	34	1	—
Violence .. .. .	78	50	28	73	5	11	8	7	4	4	12	13	19
Atrophy, Debility, &c. .. .. .	432	237	195	293	139	353	56	18	1	1	2	1	—
Old Age .. .. .	802	357	445	691	111	—	—	—	—	—	—	8	794
Other stated Causes .. .. .	233	131	102	199	34	39	15	19	13	10	35	55	47
Causes not stated .. .. .	502	280	222	475	27	134	50	33	12	10	38	104	121
All Causes													
Reported to Coroners .. .. .				8,251		2094	1212	627	160	116	614	1503	1925
Not Reported to Coroners .. .. .				1,403		872	107	74	16	17	33	73	211
Males .. .. .				5,184		1671	743	394	88	70	330	852	1036
Females .. .. .				4,470		1295	576	307	88	63	317	724	1100
Total .. .. .				9,654		2966	1319	701	176	133	647	1576	2136

these deaths having been reported to coroners; about three-fourths of them were stated to be due to cerebral hæmorrhage, apoplexy, other circulatory diseases, or respiratory diseases: At ages over 65 years the proportion of uncertified deaths rose to 1·6 per cent., and about one-tenth of these deaths were not reported to coroners; old age, cerebral hæmorrhage, apoplexy, other circulatory diseases, and respiratory diseases were the assigned causes of about six-sevenths of them.

*Deaths in Public Institutions.*—Of the 535,538 deaths registered during the year, no fewer than 88,580 or 16·54 per cent. occurred in Workhouses, in Hospitals, or in Asylums for the Insane, the proportion during the 10 years immediately preceding having averaged 13·35 per cent.

Thus the present figures confirm those given in the last annual report in showing that the proportion of deaths occurring in public Institutions, although fluctuating slightly from time to time, has a distinct tendency to increase. Taking these groups of Institutions separately, the deaths in Workhouses in 1902 were equal to 8·53 per cent. of the total deaths, against an average of 7·52 per cent. in 1892–1901; the deaths in Hospitals were 6·22 per cent. against an average of 4·52 per cent.; and the deaths in Asylums were 1·79 per cent. against an average of 1·31. Detailed tables, showing the names and descriptions of the several institutions and the numbers of deaths occurring therein are given on pages 75 to 122 of this Report.

## OFFENCES AGAINST THE REGISTRATION ACTS.

In 1902, 13 persons, on prosecution by order of the Registrar-General, were convicted of different offences against the Registration Acts. The offences for which convictions were obtained were as under:—

For giving false information for registration .. .. .	6
For failing to comply with requisition to register .. .. .	4
For issuing false certificates of stillbirth in respect of children that had lived .. .. .	2
For procuring the burial as stillborn of a child that had lived .. .. .	1

In addition to the foregoing, two cases, resulting in convictions, were reported from this Department to other Public Departments. One case, taken up by the Public Prosecutor, being that of a bigamous marriage; the other case, taken up by the Chief Registrar of Friendly Societies, being in respect of the payment by a Sick and Draw Club of money on the death of a child without the production of a certificate of death from the Registrar.

## PROGRESS OF REGISTRATION.

The names in the alphabetical indexes of births, deaths, and marriages recorded in the national registers of England and Wales

were increased during the year 1902 by 1,999,547, this addition raising the total of names in the indexes, which at the end of 1902 embraced a period of 65½ years, to 104,782,981.

SEARCHES AND CERTIFICATES.

Besides the certified copies of the registered births, deaths, and marriages kept in England and Wales pursuant to the Registration Acts of 1836 and 1874, a large number of other registers and records are deposited in this Office under statutory and other arrangements. A list of these various registers and records will be found on pages xxix.-xxxii. of the Fifty-eighth Report. Searches may be made in any of these registers, and certificates obtained on payment of the prescribed fees.

During the 53 weeks ended 3rd January, 1903, the total number of searches was 61,437, and of certificates 48,262; the total amount received in fees was 9,177*l.* 15*s.* showing a slight increase as compared with the total in the preceding year.

The following table affords an indication of the extent to which the records in this Office have been utilized by the public for legal evidence of births, deaths, and marriages since 1866:—

Years.	Total Searches.	Certificates Issued.	Amount Received.
			<i>£ s. d.</i>
1866 (complete year) ...	12,135	10,017	1,860 15 6
1875 (52 weeks) ...	26,356	20,282	3,879 15 6
1885 (52 weeks) ...	36,450	27,682	5,317 13 6
1895 (52 weeks) ...	53,289	35,727	7,200 12 6
1896 (53 weeks) ..	57,444	37,435	7,600 0 6
1897 (52 weeks) ...	58,664	37,485	7,686 8 6
1898 (52 weeks) ...	63,825	41,143	8,450 19 6
1899 (52 weeks) ...	57,670	44,793	8,551 19 6
1900 (52 weeks) ...	57,895	45,479	8,658 9 6
1901 (52 weeks) ...	58,445	45,254	8,645 10 0
1902 (53 weeks) ...	61,437	48,262	9,177 15 0

UNITED KINGDOM.

The population of the United Kingdom estimated to the middle of the year 1902, amounted to 41,961,199 persons; that of England and Wales to 32,997,626, of Scotland to 4,531,299, and of Ireland to 4,432,274. During the year 1,174,622 births and 691,160 deaths

were registered. The natural increase of population was, therefore, 483,462. The number of persons married during the year was 633,154.

The annual birth, death, and marriage rates were 28.0, 16.5, and 15.1 per 1000 persons living.

The accompanying table shows the changes, during a series of years, in the marriage-rate to total population; and also those in the value of exports and imports, and in the price of wheat, derived from the Board of Trade Statistical Abstracts.

YEARS.	Marriage-rate.	Value per Head of Population of United Kingdom.			Average Price of Wheat per Quarter
		Exports of British Produce.	Imports.	Total Exports and Imports.	
Cols.	1.	2.	3.	4.	5.
		<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>s. d.</i>
1864	15.5	5 8 1	9 5 3	16 8 7	40 2
1865	16.0	5 10 10	9 1 2	16 7 5	41 10
1866	16.0	6 5 4	9 15 11	17 14 5	49 11
1867	15.2	5 19 0	9 1 0	16 9 6	64 5
1868	14.8	5 17 1	9 12 1	17 0 6	63 9
1869	14.6	6 2 8	9 10 9	17 3 9	48 2
1870	15.0	6 7 8	9 14 1	17 10 3	46 10
1871	15.4	7 1 5	10 9 10	19 9 6	56 8
1872	15.9	8 0 10	11 2 7	21 0 0	57 0
1873	16.0	7 18 7	11 10 10	21 4 2	58 8
1874	15.6	7 7 5	11 7 9	20 11 0	55 8
1875	15.3	6 16 2	11 7 10	19 19 4	45 2
1876	15.3	6 0 11	11 6 1	19 0 10	46 2
1877	14.6	5 18 6	11 15 0	19 5 5	56 9
1878	14.1	5 13 8	10 17 5	18 2 1	46 5
1879	13.3	5 11 9	10 11 9	17 16 10	43 10
1880	13.6	6 8 11	11 17 8	20 3 3	44 4
1881	14.0	6 14 0	11 7 4	19 17 5	45 4
1882	14.4	6 17 2	11 14 7	20 8 10	45 1
1883	14.4	6 15 4	12 0 10	20 13 2	41 7
1884	14.1	6 10 6	10 18 4	19 4 1	35 8
1885	13.6	5 18 4	10 6 0	17 16 9	32 10
1886	13.3	5 17 2	9 12 8	17 0 10	31 0
1887	13.5	6 1 3	9 17 11	17 11 8	32 6
1888	13.5	6 7 2	10 10 3	18 12 2	31 10
1889	14.1	6 13 11	11 10 1	19 19 10	29 9
1890	14.5	7 0 7	11 4 6	19 19 7	31 11
1891	14.6	6 10 10	11 10 5	19 13 11	37 0
1892	14.5	5 19 2	11 2 3	18 15 3	30 3
1893	13.9	5 13 5	10 10 3	17 14 3	26 4
1894	14.2	5 11 2	10 10 2	17 11 1	22 10
1895	14.3	5 15 4	10 12 6	17 18 3	23 1
1896	15.0	6 1 4	11 3 2	18 12 10	26 2
1897	15.2	5 17 2	11 5 7	18 12 9	30 2
1898	15.4	5 15 7	11 13 1	18 18 8	34 0
1899	15.6	6 9 9	11 17 11	19 19 7	25 8
1900	15.1	7 1 6	12 14 3	21 6 5	26 11
1901	15.1	6 14 9	12 11 3	20 18 8	26 9
1902	15.1	6 15 1	12 11 10	20 18 4	28 1



## MORTALITY IN THE ARMY.\*

The average strength of the Army at home and abroad in 1902 was 379,048, and the deaths during the year numbered 4,029, giving a death-rate of 10.6 per 1000, as compared with 12.0, 10.5, 27.6, and 15.1 per 1000 respectively, in the years 1898–1901. The mortality in the Army abroad was 13.5 per 1000, against 18.3, 15.5, 36.1 and 19.1 respectively in the same four years. The mortality of the Army at home was 4.9 per 1000, against 4.4, 4.5, 8.2 and 6.2. (Table 36).

## MORTALITY IN THE NAVY.†

The average service afloat was 99,600. The deaths during the year numbered 590, being in the proportion of 5.92 per 1000 of the strength, against an average of 5.63 per 1000 in the five years immediately preceding. Of the 590 deaths in 1902, 350 were caused by disease and 240 by violence; the death-rate from disease was therefore 3.51 per 1000, and that from violence 2.41 per 1000. Of the deaths from violence, 224 were accidental, and 15 were suicidal, and 1 from wounds received in action; the accidental deaths included 156 cases of suffocation from submersion, and 4 from heat-stroke.

## BIRTHS AND DEATHS AT SEA.

*Marine Register Book.*—In accordance with the Births and Deaths Registration Act of 1874 and the Merchant Shipping Act of 1894, Commanding Officers of Ships trading to or from British Ports are required, under penalty, to transmit returns of all births and deaths occurring on board their ships to the Registrar-General of Shipping and Seamen, who furnishes certified copies of such returns to the Registrars-General of Births and Deaths for England, Scotland, and Ireland. Similar returns are furnished by persons having charge of His Majesty's Ships directly to the Registrars-General of Births and Deaths. These returns of births and deaths at sea constitute the "Marine Register Book." During the year 1902, this register was increased by the addition of 204 entries of birth and 2,803 entries of death.

*Mercantile Marine.*—A Return received from the Marine Department of the Board of Trade shows that the number of masters and seamen afloat during the year 1902, in vessels belonging to the Mercantile Marine of the United Kingdom (including the islands in the British seas) and registered under the Merchant Shipping Act, was 239,691, being 4,147 more than in the preceding year. The reported deaths numbered 2,720, of which 1,042 resulted from disease and 1,678 from violence, showing a death-rate of 11.3 per 1000 of the strength. This rate was 0.9 per 1000 below the mean rate in the five years 1897–1901. (Table 38.)

\* Based on War Office Returns.

† From the Statistical Report of the Health of the Navy for 1902.

## INTERNATIONAL VITAL STATISTICS.

In Tables 45–63 will be found international statistics concerning the marriages, births, and deaths in the United Kingdom and in the principal States on the continent of Europe. The birth-rates in 1902 of all the countries from which returns have been received were below the average of the previous 25 years, except in the cases of Switzerland and Spain.\* In several of the countries the rates were also lower than those of the year 1901. In Hungary, the birth-rate which had fallen from 39.3 in 1899 to 37.8 in 1901 rose again in the year 1902 to 38.8. The death-rates were in all cases below the average, and in most cases were also below those of 1901. The countries showing a higher death-rate in 1902 than that in 1901 were Austria, Hungary, Belgium, Italy, and Roumania.

## FINAL REMARKS.

I desire again to record my appreciation of the continued assistance which medical practitioners have so generously rendered to Dr. Tatham and to the expert officers of my department with the view of obtaining as accurate information as possible for the preparation of the medical portion of the statistics respecting deaths in England and Wales.

In Dr. Tatham's full report to me on "The Analysis of the Causes of Death," which appears on page xxxii, will be found particulars of the distribution in time and locality of those diseases which are most important from a preventive standpoint. The account he gives is satisfactory, and shows that, speaking generally, the fall in the general mortality, which I have recorded in this Report as occurring in the year 1902, has affected many of the diseases that are prevalent in this country. On page lvi Dr. Tatham refers in detail to the mortality from cancer; although the numbers of the deaths referred to this malady increase as the years go on, yet there is some satisfaction in being able to record, that whilst the death-rate has continued to increase, the increase was less in the year under review than in the preceding year, notwithstanding the more precise classification now in vogue. The nature and origin of this disease being now the subject of careful investigation under Royal patronage, it is permissible to hope that the cause of this distressing malady will ere long be discovered, and that thus its further ravages may at least be controlled.

In the last Annual Report, I described at some length the method of preparing and issuing the "Weekly" and "Quarterly" Returns, and the report known as the "Decennial Supplement." Of these, the "Weekly" Return, giving a detailed analysis of the mortality in the County of London, and a summary showing the total births and deaths, and also the mortality from the principal epidemic diseases in 75 great provincial towns, continues to be issued in the same form as last year. The scope of the "Quarterly" Return has, however, been extended. To the information which it gave respecting the mortality in every separate

\* The average for Spain is for 21 years.

registration sub-district in the country, details have now been added as to the number of uncertified deaths in each of these sub-districts. It is satisfactory to be able to record in respect of the year 1902 (see page xxi) not only the lowest percentage of uncertified deaths ever recorded, but also the largest proportion of such deaths reported to coroners. This is a step in the right direction. There is, however, a certain number of urban and rural districts in which the percentage of uncertified deaths is still abnormally high, but I am hopeful that the returns for 1903 will show a further improvement in the percentage of uncertified deaths, especially in those districts. I take this opportunity of pointing out that this improvement is most likely to be attained (1) by the registrars properly exercising their discretion under the statutory regulations in reporting doubtful cases to coroners, in regard to which I am prepared to give them the fullest support, and (2) by the coroners inquiring, with care and thoroughness, into the cases so reported to them, and holding inquests in all cases in which the circumstances are at all suspicious or doubtful.

The number of towns as to which special statistics were compiled has also been increased in the "Quarterly" Return by 39; the minimum limit of population qualifying for inclusion in the list having been reduced from 25,000 at the recent census to 20,000. When it is considered that the towns thus dealt with contain nearly 19 millions of persons at the date of the last census, or 58 per cent. of the whole population of England and Wales, and that the statistics for all of them are approximately corrected by the exclusion of non-residents, and the inclusion of residents who have died away from their homes, it will be seen that the publication of these returns a few weeks after the end of every quarter gives very valuable as well as prompt information in regard to the health conditions prevailing in the country generally. I have caused a further re-arrangement of these returns to be made which will no doubt be of special interest to Welshmen and those resident in Wales. Until recently the Welsh counties have not for statistical purposes been treated separately, but in two groups designated North Wales and South Wales respectively. In the "Quarterly" Returns for the current year the figures are given for each individual Welsh county, and this re-arrangement will be adopted in the next Annual Report.

The preparation of both sections of the Decennial Supplement, (1) that relating to the mortality in England and Wales and in its several registration counties and districts during the decennial period 1891-1900, and (2) that relating to the mortality of persons in various occupations during the three years 1900-1902, is being pressed forward as rapidly as possible. But the amount of detail which must be reduced to forms suitable for analytical comment is so great that a considerable time must yet elapse before either of the two sections can be issued.

In conclusion, it is, I think, desirable to call special attention to the inquiry into the various systems of registration prevailing in the British dominions beyond the seas which, with the cordial approval and support of the Secretary of State for the Colonies,

has recently been carried out under my direction. An abstract of the materials collected in the course of this inquiry has been carefully compiled by Mr. S. de Jastrzebski of this department, and appears on pp. 1-43 of the appendix to this Report.

The last inquiry of a similar kind was instituted in 1867, the results of which are given in the Thirtieth Annual Report of the Registrar-General.

A comparison with the results of that inquiry gives a striking illustration of the growth of our Empire, and even more so of the administrative development that has taken place in our dominions beyond the seas since 1867. More especially does it show that special flexibility of system which is no doubt one of the secrets of Britain's success in the Colonial field, for, whilst all the registration systems set forth in the Abstract are practically identical in principle with that of the Mother Country, they are frequently worked out very differently in detail.

The Abstract will no doubt be found useful for reference by that increasingly large number of persons who apply to this Department and to the Colonial Office for documentary evidence of births, deaths, and marriages in our dominions beyond the seas, as, besides showing the conditions under which registration is effected, the fees payable and the officers to whom application should be made for searches and certificates, it gives a statement of the periods covered by the various records existing in each of our Colonies and possessions, with the exception of British India.

I have the honour to be,

Sir,

Your faithful Servant,

WILLIAM COSPATRICK DUNBAR,

*Registrar-General.*

*General Register Office, Somerset House,  
1st July, 1904.*

ANALYSIS OF THE  
CAUSES OF DEATH IN ENGLAND AND WALES.

Letter to the REGISTRAR-GENERAL

By JOHN TATHAM, ESQ., M.A., M.D., Fellow of the Royal College  
of Physicians.

SIR,

I HAVE the honour to present for your consideration an analysis of the causes of death recorded in the National Registers during the year 1902.

In my contribution to the sixty-fourth Annual Report will be found particulars of the changes that, in view of the opening of a new century, had been made in the list of diseases used officially in this department, as well as in the General Register Offices of Scotland and Ireland, for the abstraction of causes of death. I now briefly revert to the subject for the purpose of giving some account of the measures taken since the publication of the new list with a view of rendering it acceptable to the medical profession, on whose generous co-operation the due compilation of Vital Statistics primarily depends.

To begin with—the new list, accompanied by suggestions for its use in certifying causes of death, has been freely distributed among registered medical men throughout England and Wales: and I desire with much gratitude to record, that in carrying out this distribution our efforts have been ably and willingly seconded by Medical Officers of Health generally, and especially by those in charge of counties or of large rural districts, who have spared no pains to circulate the new list among the neighbouring practitioners, and to recommend it officially for their adoption. Moreover, a copy of the list as well as of the accompanying suggestions has been inserted in every book of Medical Certificate forms issued from this office since the adoption of the new system: accordingly medical practitioners will now have this necessary guidance in their hands at the very moment of making the statutory attestation of cause of death. In the next place, a table was inserted in the Annual Report for 1901 (pp. xxxviii–ix) showing the differences of classification that distinguish the new list from the old; in that report the new list of diseases for the first time appeared, replacing the old one in all the official tables and abstracts. And finally, both by correspondence from this office and in some cases by personal conference, every effort has been made to familiarize medical practitioners with the details of the present system, and to explain any difficulties that may have arisen.

A consideration that may account in some degree for the readiness with which the new departure has been accepted by the medical profession generally is probably this—that the list of diseases has been arranged in substantial conformity with the nomenclature of the Royal College of Physicians. In any event it is to me a pleasing duty to acknowledge that although a period of not more than two years has elapsed since this change was initiated, a decided improvement is already manifest in the certificates of cause of death.

Since the close of the last century some new features have been added to the annual reports, which it is hoped will tend to increase their value for scientific purposes; to the chief of these features reference may here be made. In the first place, with a view of encouraging ætiological study I have appended to the General Abstracts a supplementary table in which are entered those of the deaths from diseases of special organs or parts of the body that were certified as “infective” or “septic” in character. In order to preserve the comparability of successive annual returns, these deaths are still necessarily included under the various headings in the General Abstracts, but the Supplementary Table will facilitate the separation of the infective cases whenever, for particular purposes, such a course may be deemed necessary (see pages 152, 153, 170, 171). In the second place, with the object of indicating as accurately as possible the aggregate mortality incidental to the puerperal state, a table is now annually prepared showing not only the deaths from puerperal infective conditions and from diseases and accidents of childbirth that are given under those headings in the General Abstracts, but also the deaths from all causes whatever, either complicating or occurring in connection with pregnancy or childbirth, whether such causes were specified in the original death certificates or were ascertained subsequently from the medical attendants. This table which appeared in the Report for 1901 for the first time since 1880, will doubtless be appreciated by gynæcologists and by obstetric practitioners generally.\* And lastly, it is worthy of notice that the new tables prepared for the previous report in order to discriminate between urban and rural mortality in England and Wales, have now been extended to show the rates of mortality from certain diseases—not, as on that occasion, in one year alone, but in addition, the average rates in a group of five years. For these average rates, as a standard, I have ventured to suggest a statistical function, the nature of which will presently be explained.

In several recent reports attention has been directed to the great disparity that obtains among local rates of mortality—the towns experiencing for the most part higher rates than the country. But for reasons stated in my former letter it is desirable again to emphasize the caution there given against accepting the mere proportion of deaths to population as evidence of relative healthiness. It is familiar knowledge that the proportions of persons living at the several ages vary according as the district

\* See Table I. on page 1.

is urban or rural in character; and inasmuch as mortality is known to vary extremely with age, it follows that crude death-rates calculated without reference to these considerations must be regarded as of little scientific value.\* Therefore, in comparing the mortality of towns with that of the country, it is necessary to reduce the death-rates to a common basis, so as to show the mortality that would occur if the age constitution of the population in question were identical with that of an approved standard; and for this purpose the Census population of England and Wales at once suggests itself as convenient.

It has come to my knowledge that many Medical Officers of Health, and especially those in charge of counties or of combinations of town and country areas, would desire to see established a suitable criterion by which the mortality of their districts—rural as well as urban—might be tested. Hitherto the general and epidemic death-rates in specified areas of England and Wales, published in our periodical returns, have been in some cases used for this purpose; but as these rates are uncorrected for age differences among the living it is not surprising that their employment as a standard has been only partial. Convinced after careful inquiry that, in the interests of vital statistics, at least two distinct standards of mortality should be available, I have inserted in the following pages a series of tables showing, for urban and for rural areas separately, corrected rates of mortality (*a*) from all causes and (*b*) from those diseases that from a sanitary point of view appear to be of chief importance.†

Unfortunately, having regard to the laborious nature of the processes involved in the classification and tabulation of more than half a million deaths annually, it is still impracticable to prepare corrected death-rates in time for comparison with the local returns for the same period, which returns Medical Officers of Health are required to furnish to the Local Government Board within six weeks of the end of the year to which they relate. Nevertheless, by the addition of a separate column, showing the average mortality for the five years immediately preceding, a series of rates has been obtained which, having been fully corrected for age differences among the living, may be employed for comparative purposes, without fear of serious error. These corrected rates will I trust prove serviceable to practitioners of Preventive Medicine as well as to other persons interested in vital statistics.

#### DEATHS FROM ALL CAUSES.

In the abstracts on pages 136 to 267 are given particulars of the causes to which the registered deaths in the year 1902 have been attributed.

\* See tables on pages xxxvi and xxxvii.

† These tables show for urban and rural groups of counties separately:—

- (1) General mortality, page xxxvi.
- (2) Infantile mortality, page lxviii.
- (3) Enteric fever mortality, page xlvi.
- (4) Phthisis mortality, page lii.
- (5) Cancer mortality, page lvii.

Before attempting to deal in particular with the causes of English mortality in 1902, it is important to specify the limits within which analysis can usefully be applied to the national registers of deaths.

On reference to the following pages, it will be seen (i) that of the deaths registered in 1902 nearly 10 per cent. were attributed to indefinite causes, which for purposes of scientific classification are of little value, although the bulk of them were medically attested,\* (ii) that in nearly two per cent. of the total the causes were not certified either by registered medical practitioners or by coroners, (iii) that in many cases where inquests had taken place the coroner's certificate leaves it uncertain whether or not medical evidence of cause of death had been given at the inquest. Nevertheless, it is certain that with respect to at least 92 per cent. of the total mortality the causes of death in 1902 were medically attested.

With the object of tracing the local distribution of mortality for the purposes of our 1901 Annual Report, a selection was made from among the counties of England and Wales to show (α) in one group certain counties that are chiefly urban in character, containing most of the industrial centres: and (β) in another group certain counties that are still essentially rural, or that contain only a few towns that are really urban in character. For these county groups the mortality from several causes was set forth in detail. In the several tables of the present report the same grouping of areas has been retained; the counties included in each group are specified at foot.†

The tables on the two following pages show the death-rates from all causes, without distinction of age, in the year 1902, and the average rates in the five preceding years. The rates are there given as per thousand of the population, but if decimal points be disregarded they

\* See "Deaths from Ill-defined or not specified causes," page lxxi.

† (i) *Urban Counties.*  
 Glamorgan.  
 Lancaster.  
 London.  
 Middlesex.  
 Monmouth.  
 Northumberland.  
 Nottingham.  
 Stafford.  
 Warwick.  
 East Riding } Yorks.  
 West Riding }

(ii) *Rural Counties.*  
 Buckingham.  
 Cambridge.  
 Cornwall.  
 Hereford.  
 Huntingdon.  
 Lincoln.  
 North Wales.  
 Norfolk.  
 Oxford.  
 Rutland.  
 Salop.  
 Somerset.  
 South Wales (less Glamorgan).  
 Suffolk.  
 Westmorland.  
 Wilts

Estimated population of these counties  
 in 1902—17,818,667.

Estimated population of these counties  
 in 1902—4,279,175.

will read as per million living, and in that case the table will correspond, in this respect, to many of the other tables in the present Report. The *corrected rates* are shown in columns parallel to the *crude rates*, and with the object of avoiding confusion the figures in each column are printed in distinctive type. The table indicates that in the year 1902 the deaths from all causes in England and Wales were equal to a rate of 16·230 per 1,000 persons living of both sexes; this is the lowest death-rate on record. Among males the rate was equal to 17·378 per 1,000, and among females to 15·155 per 1,000. These rates are below the corresponding average rates in the previous five years by 7·5 and by 8·1 per cent. respectively.

		Crude Rates.	Corrected Rates.	
			Average, 1897-1901.	Average, 1897-1901.
Both Sexes	England and Wales ...	17·657	17·602	16·230
	Urban Counties ...	18·802	19·498	17·786
	Rural Counties ...	16·390	14·457	13·678
Males	England and Wales ...	18·843	18·787	17·378
	Urban Counties ...	20·142	20·877	19·106
	Rural Counties ...	17·224	15·252	14·473
Females	England and Wales ...	16·545	16·493	15·155
	Urban Counties ...	17·546	18·209	16·551
	Rural Counties ...	15·614	13·712	12·932

On comparing the urban with the rural county groups we find (i) that the mortality is uniformly higher in the former than in the latter areas, and (ii) that the male rates are in both cases considerably in excess of the female. This is true generally with respect to the year 1902, as well as to the quinquennial period 1897-1901. From this table it appears that, in both sexes, not only in England and Wales as a whole, but also in each county group, there has been in 1902 a reduction in the general death-rate.

By way of confirmation of what has been said concerning the need of correction for age differences of population, we may quote the first two columns of figures in the preceding table, together with the corresponding figures in the tables on pages xlvi, lii and lvii. These figures show that, although there are on the one hand many

cases in which the death-rate may be scarcely affected by correction, there are on the other hand cases in which the corrected rates differ so widely from the crude rates that this modification would vitiate conclusions founded on the latter rates alone. The foregoing table indicates that whilst in the urban group of counties correction has *increased* the average rates by not more than 3·7 per cent., in the rural group on the contrary correction produces effects greater in amount and opposite in direction, for it has *reduced* the average rates by not less than 11·8 per cent. From the remarks on page lx it will appear that the effect of correction may be actually to reverse the teaching of the crude rates, especially in the case of diseases that mainly affect particular stages of life.

From what has been stated in this and in previous reports, it may be gathered that errors abound in local crude rates of mortality; and it is well to remember that, in so far as these errors depend on differences of age constitution, they readily admit of detection and remedy. How great is the disparity in the death-rates at different stages of life is shown by the following table which gives for urban and rural areas separately, and for eight groups of ages, (1) the quinquennial average death-rates from all causes in the period 1897-1901, and (2) the annual death-rates for 1902.

		0—	5—	15—	25—	35—	45—	55—	65—	
Both Sexes.	England and Wales.	Average	<b>57'034</b>	<b>3'212</b>	<b>3'937</b>	<b>5'991</b>	<b>10'042</b>	<b>16'343</b>	<b>30'781</b>	<b>88'762</b>
		1902 ..	49'073	3'153	3'645	5'706	9'438	15'687	29'602	85'669
	Urban Counties.	Average	<b>65'403</b>	<b>3'549</b>	<b>3'975</b>	<b>6'228</b>	<b>11'255</b>	<b>18'750</b>	<b>35'102</b>	<b>92'985</b>
		1902 ..	55'496	3'452	3'668	5'829	10'407	17'736	33'617	89'756
	Rural Counties.	Average	<b>41'044</b>	<b>2'620</b>	<b>4'024</b>	<b>5'722</b>	<b>7'837</b>	<b>12'265</b>	<b>24'566</b>	<b>85'301</b>
		1902 ..	37'734	2'614	3'640	5'462	7'668	11'615	23'480	82'333
Males.	England and Wales.	Average	<b>61'963</b>	<b>3'172</b>	<b>4'193</b>	<b>6'467</b>	<b>11'089</b>	<b>18'505</b>	<b>34'461</b>	<b>94'044</b>
		1902 ..	53'666	3'075	3'864	6'167	10'478	17'962	33'627	91'050
	Urban Counties.	Average	<b>70'841</b>	<b>3'521</b>	<b>4'280</b>	<b>6'715</b>	<b>12'423</b>	<b>21'234</b>	<b>39'532</b>	<b>99'044</b>
		1902 ..	60'633	3'372	3'916	6'247	11'435	20'417	38'294	96'136
	Rural Counties.	Average	<b>45'437</b>	<b>2'525</b>	<b>4'079</b>	<b>5'998</b>	<b>8'407</b>	<b>13'845</b>	<b>27'074</b>	<b>89'789</b>
		1902 ..	41'758	2'508	3'685	5'803	8'321	12'941	26'419	87'303
Females.	England and Wales.	Average	<b>52'126</b>	<b>3'252</b>	<b>3'697</b>	<b>5'563</b>	<b>9'061</b>	<b>14'344</b>	<b>27'559</b>	<b>84'667</b>
		1902 ..	44'497	3'230	3'441	5'292	8'466	13'578	26'075	81'519
	Urban Counties.	Average	<b>60'007</b>	<b>3'578</b>	<b>3'694</b>	<b>5'783</b>	<b>10'145</b>	<b>16'415</b>	<b>31'288</b>	<b>88'487</b>
		1902 ..	50'393	3'531	3'439	5'448	9'431	15'209	29'525	85'033
	Rural Counties.	Average	<b>36'655</b>	<b>2'716</b>	<b>3'971</b>	<b>5'481</b>	<b>7'318</b>	<b>10'856</b>	<b>22'379</b>	<b>81'686</b>
		1902 ..	33'710	2'719	3'596	5'165	7'072	10'429	20'919	78'353

We here see that, at the several age groups, the rates of mortality in the year 1902 were almost invariably below the average rates in the preceding quinquennium. It is noteworthy that at the age group 5-15 years the mortality among females was higher than that among males; and this is true for the urban as well as the rural areas.

## GENERAL DISEASES.

The principal morbid conditions at present included under this designation are enumerated in the first six pages of the Abstracts (pp. 138-143), and also in the corresponding pages of Tables 19-24. The numbers of deaths alone are given in the Abstracts, but they are shown for both sexes and at several groups of ages. In the tables referred to, not only the numbers of deaths but also the rates of mortality are given at all ages and for a long series of years—for males and females separately, and also for persons of both sexes.

It is necessary to state emphatically that the present list of General Diseases is provisional only: transferences thereto have already been made from among conditions formerly considered merely local, and further accessions to the list will doubtless occur from time to time. Table 18 on page xcvi, which has been compiled for purposes of comparison, gives a selection from among the more important causes of death, and shows the average rates of mortality therefrom at successive quinquennial periods since the year 1866. Tables 25 and 26 are also interesting in this connection; they include earlier periods, but relate to a smaller number of diseases.

**Small-pox.**—In the year 1902 the total deaths registered in England and Wales as due to small-pox numbered 2,464, and were in the proportion of 75 per million living; the proportions in the four years immediately preceding having been respectively, 8, 5, 3, and 10 per million. In addition to the 2,464 deaths expressly referred to small-pox, 123 deaths were ascribed to chicken-pox, and it is probable that some of the latter were unrecognised cases of the graver disease. Further, there were registered 22 deaths that were stated to have resulted from cow-pox or from other effects of vaccination. Therefore, in the year 1902, the aggregate of deaths either certainly or probably caused by small-pox, and of deaths alleged to have been caused by measures designed for its prevention, was 2,609, being equal to a rate of 80 per million of the population.

In view of the circumstance that the deaths from this disease were more numerous in the year under present notice than in any other year since 1885, the following table has been prepared to show the rates of mortality from small-pox in 1902 at the different age-groups per million of the population.

—	All Ages.	0—	5—	15—	25—	35—	45—	55—	65 and upwards.
Males ...	90	133	42	55	98	142	154	78	82
Females...	60	141	48	43	63	67	46	29	32

Of the 2,464 persons that died of small-pox 821 were returned as vaccinated and 791 as not vaccinated, whilst concerning the vaccinal condition of the remaining 852 persons no statement appeared in the certificates. *It should be clearly understood that the 22 deaths attributed to cow-pox, or to other effects of vaccination, include not only the deaths so returned in the certificate, but also those deaths that were either certified by medical attendants or found on subsequent enquiry to have been due to the entrance of any noxious material whatever at the site of vaccination.* The mortality from the effects of vaccination as above defined cannot be given for the year under notice; but it appears from the Thirty-second Annual Report of the Local Government Board that the operation of vaccination was successfully performed on 636,940 of the children whose births were registered in 1900, the latest year for which particulars are available. The number of deaths in the same year from "cow-pox and the effects of vaccination" was 25, or one in every 25,478 children vaccinated. With the object of securing complete information regarding the influence of vaccination on small-pox mortality, it were greatly to be desired that medical practitioners in certifying deaths from small-pox should expressly describe the patient's condition with respect to vaccination—say in one or other of the forms following, as the case may be:—(1.) No evidence of vaccination. (2.) Vaccination in infancy only—number of scars. (3.) Vaccination only after infection by small-pox. (4.) Stated to have been vaccinated, but no scars. In the case of a re-vaccinated patient, the date of re-vaccination should be given where possible.

In the *County of London* only 98 deaths of Londoners from small-pox were registered during the year 1902; but in addition to these the deaths of 1,202 Londoners were registered in public institutions (mainly small-pox hospitals at Dartford) outside the county of London. Adding these together the small-pox deaths amounted to 1,300 in all, corresponding to a rate of 284 per million of the population.

In the *County of Kent* 1,487 small-pox deaths were registered, but of these 1,200 belonged to the Metropolis and 45 to the county of Essex. Of the deaths properly referable to Kent, 45 belonged to the urban district of Dartford, 38 to that of Erith, and 29 to the rural district of Dartford; 17 belonged to the borough of Chatham, 12 to that of Gravesend, 9 to that of Rochester, 8 to the urban district of Gillingham, and 8 to the borough of Maidstone.

In the *County of Middlesex* 296 deaths were registered. Of these 44 occurred in the Small-pox and Vaccination Hospital at South Mimms. The 44 patients came from various localities, mainly within the county. Small-pox was especially fatal in the urban districts of Edmonton and Tottenham—120 deaths having taken place among residents in the former and 75 among residents in the latter district.

In the *County of Essex* 294 deaths were registered, in addition to the 45 before referred to as occurring in the Metropolitan Asylums Board Hospitals at Dartford in Kent. Together these deaths are equal to a rate for Essex of 308 per million persons living. Of the deaths registered in the county, 198 occurred in the Dagenham Small-pox Hospital, which is situate in the Romford registration district. About three-fourths of these deaths were those of residents either in West Ham or in other urban areas outside the Romford registration district. The registration district of Orsett suffered exceptionally from the small-pox epidemic, 56 deaths being registered in that district during the year. As far as could be ascertained all these deaths were those of residents either in Grays Thurrock urban or in Orsett rural district—these two areas constituting the registration district. The disease was also very fatal in the county borough of West Ham—no fewer than 150 deaths being those of patients belonging to that borough; high mortality was also experienced in the urban districts of East Ham, Walthamstow, Barking Town, Leyton, and Romford, and in the rural district of Romford.

In the *County of Lancaster* 75 deaths occurred, mainly in the following towns:—Liverpool, Bootle, Bolton, Bury, Oldham, Burnley, Nelson, and Chorley.

In *South Wales* 48 small-pox deaths were registered, all but one of which occurred in the county of Glamorgan: of these, 33 belonged to the borough of Swansea, and 10 to the urban district of Merthyr Tydfil.

**Measles.**—In the year 1902, the deaths from measles of 12,930 persons, at all ages and of both sexes, were registered in England and Wales. These deaths were fewer by 177 than the decennial average number corrected for increase of population. In the classification of causes of death uncertainty still arises from the occasional employment in medical certificates of the indefinite term "Rubeola" to denote the familiar disease measles. This usage is common in some parts of the country but not in others. "Morbilli" is the only synonym for measles that is recognised by the Royal College of Physicians, and it would greatly conduce to accuracy in the Official Returns if that term were invariably used wherever a Latin equivalent is preferred. In any case it is desirable that the use of the term "Rubeola" should be discontinued. Of the deaths from measles at all ages, as many as 12,065, or 93 per cent., were among children under five years old; their mortality was, therefore, equal to a rate of 3.20 per 1,000 children living at that age, as compared with 2.92, the average rate in the five years immediately preceding. As had been the case in previous years also, the local distribution of measles mortality in

1902 was very unequal. Table M. on page lxxix shows the rate of mortality due to measles and to certain other diseases which are specially fatal in early life. This table indicates that in 1902, out of every 1,000 children living under the age of five years in the urban group of counties, 3.96 died of measles, and only 2.09 in the rural. Table L. on page lxxviii, which relates to mortality under the age of one year, shows a similar tendency to greater measles fatality in the town as compared with the country.

There were in 1902 nine counties in which children suffered exceptionally from this disease. The counties with death rates above the mean for England and Wales were Durham, where the rate was equal to 3.36 per 1,000 living, Somersetshire 3.39, Lancashire 3.97, East Riding of Yorkshire 4.17, South Wales 4.39, London 4.40, West Riding of Yorkshire 4.69, Gloucestershire 6.50, and Monmouthshire 7.30. In England and Wales generally measles was more fatal to boys than to girls by 7 per cent. In some of the counties, however, the reverse held good; this was especially noticeable in Sussex, Shropshire, and Lincolnshire.

**Scarlet Fever**—The principal matter for consideration with respect to scarlet fever prevalence in England and Wales is this: that the loss of life to which it gives rise is insignificant at the present time as compared with what it was even so recently as thirty years ago. This disease was not differentiated from diphtheria in our Reports until the year 1855, and it is probable that for several years after that date the two diseases were to some extent confused. But if, with the help of Table 18, the mortality at all ages in the quinquennium 1866–1870 be compared with that in 1896–1900 it appears that in the later period scarlet fever was only one-seventh part as fatal as it had been in the earlier. The rate fell from 960 to 135 per million, and the fall was practically continuous throughout the 35 years.

In the year 1902 there were registered as due to this disease 4,875 deaths at all ages, corresponding to a rate of 148 per million of the population. This rate is lower by 7 per million than the average rate in the preceding ten years. Locally, scarlet fever was fatal in very different degrees. For example, whilst the counties of Huntingdon, Hereford, and Rutland were practically free from scarlet fever mortality, the death rates at all ages in other counties amounted to 202 per million in South Wales, 219 in Durham, 258 in Staffordshire, 268 in Northumberland, 294 in Lancashire, and 373 in Warwickshire. Either in the county of London itself or in suburban metropolitan institutions there were registered in the year under notice as due to scarlet fever 553 deaths of Londoners, corresponding to a rate of 121 per million living. Of this total 91 per cent. occurred in public institutions.

Of the 4,875 deaths from scarlet fever in England and Wales, 2,923 or 60 per cent. occurred at ages under five years. These deaths corresponded to a rate of 0.78 per 1,000 living at this age, as compared with 0.68, the average rate in the previous quinquennium. Table M. on page lxxix shows that, taking one year with another, scarlet fever among young children is about three

times as fatal in the urban group of counties as it is in the rural, and that, in common with most other diseases of children (whooping-cough excepted) it is generally more destructive to boys than to girls. Table 31 shows the distribution of scarlet fever mortality amongst young children in the several counties of England and Wales.

**Influenza.**—This disease was fatal in 7,366 instances during the year 1902, as compared with 5,666 in the immediately preceding year, and 16,245 in the year 1900. The deaths in the year under present notice were equal to a rate of 223 per million of the population of both sexes, against a mean rate of 322 per million in the decennium 1892-1901. Among males the rate was equal to 228, and among females to 218 per million. In 1902 influenza appears to have been more fatal in London than in the provinces generally, the crude rates being 252 in London and 219 in extra-metropolitan England. The counties with the highest rates were Dorsetshire 417 per million, Buckinghamshire 476, Shropshire 574, and Herefordshire 578. During several preceding years also Herefordshire had shown higher rates than those of any other county. In the quinquennium 1898-1902 the crude rate in that county averaged 866 per million, and even after correction for age and sex differences of population, the rate in the year 1902 still remained as high as 454 per million. The counties experiencing the lowest influenza rates in 1902 were Leicestershire 140 per million, Durham 141, Cheshire 146, and Staffordshire 147.

**Whooping-cough.**—The deaths referred directly to this disease in the year 1902 numbered 9,805 at all ages, and were fewer by 2,133 than the decennial average number corrected for increase of population. Of the deaths at all ages not fewer than 9,527, or 97 per cent., were those of children under five years old. Among children of both sexes aged 0-5 years, whooping-cough was responsible for a mortality equal to 2.53 per 1,000 living at that age. The following were the counties with rates of mortality among young children above that of England and Wales: Northamptonshire 2.58, Norfolk 2.59, Lancashire 2.77, Hampshire 2.92, Durham 3.15, East Riding of Yorkshire 3.24, Oxfordshire 3.42, Northumberland 3.42, London 3.56, Warwickshire 3.58, and Cornwall 5.20. The following were the counties with the lowest rates: Westmorland 0.46, Herefordshire 0.75, Monmouthshire 1.00, and Berkshire 1.03. In Rutlandshire no deaths were referred to this disease. Whooping-cough presents this peculiarity, that, speaking generally, it is exceptionally destructive to the female sex. In England and Wales generally, the mortality from whooping-cough in the year 1902 was higher among girls than among boys by 18 per cent. To this rule, however, there are a few exceptions—in the counties of Berks, Somerset, Leicester, and the North Riding of Yorkshire, for example, whooping-cough was more fatal to boys than to girls. Table M. on page lxi indicates that both in the year 1902 and in the previous five years this disease was more fatal in the urban group of counties than in the rural; the closer aggregation which obtains in the towns probably accounting for the difference in the present case as well as in that of most other infectious diseases.

**Diphtheria.**—The deaths referred to diphtheria (exclusive of croup unless stated to be membranous) numbered 7,802 in the year under notice, and were fewer by 1,192 than the average number in the preceding ten years corrected for increase of population. This total includes 45 deaths that were originally certified as from "membranous laryngitis," but of which the diphtheritic nature was subsequently acknowledged by the medical attendants concerned. The tables still contain entries of 37 deaths under the head of membranous laryngitis, some of which were probably due to diphtheria. (See page cvi.)

**Diphtheria and Croup.**—In my former letter the reason was given for combining these headings in order to obtain the death-rate really due to diphtheria. In the year 1902, there were registered as caused either by diphtheria or by croup the deaths of 8,411 persons at all ages, namely, 4,084 males and 4,327 females. These deaths were equal to an annual rate of 256 per million living of the former and of 254 per million of the latter sex, the rate for persons of both sexes being 255 per million, as compared with an average rate of 298 per million in the preceding five years. Of the 8,411 deaths at all ages, 5,265 or 63 per cent. were those of children under the age of five years. These deaths were equal to a rate of 1.42 per 1,000 among boys and of 1.37 per 1,000 among girls. It will be seen by Table M on page lxi that diphtheria is more fatal among children in the urban areas than in the rural—probably, as in the case of many other diseases, because of the closer aggregation of children prevailing in towns.

The local incidence of mortality in 1902 as well as in the previous five years is shown in Table H, page xlv. In the year first mentioned there were 15 counties with crude rates in excess of the average rate in extra-metropolitan England, which was 256 per million at all ages. Arranged in decreasing order of mortality the following counties suffered most severely: South Wales, where the mortality from diphtheria and croup was equal to 467 per million, North Riding of Yorkshire 401, Gloucestershire 356, Monmouthshire 353, Rutlandshire 340, Cumberland 337, Middlesex 327, Lancashire 321, Essex 315, and Staffordshire 300. It is noteworthy that South Wales and Monmouthshire, together with the last four counties now mentioned, had been among the areas of highest diphtheria mortality in the immediately preceding year also. In the Report for the year 1901 an area including parts of Monmouthshire and of South Wales was indicated as suffering excessively from diphtheria. In the year 1902 the disease continued to prevail throughout these counties, although less fatally than in the immediately preceding year; the area of excessive diphtheria mortality in 1902 was, moreover, contracted. Nevertheless, death-rates above the average in extra-metropolitan England were still experienced in a continuous area consisting of the registration districts of Crickhowell in Brecknockshire, Bedwellty and Newport in Monmouthshire, the county of Glamorgan except Gower district, the districts of Llandilofawr and Carmarthen in Carmarthenshire, the district of Newcastle in Emlyn in Cardiganshire, and the county of Pembroke. In this area, as a whole, the death-rate from diphtheria was equal to



TABLE H.—ENGLAND AND WALES.—DIPHThERIA and CROUP. CRUDE  
DEATH-RATES per MILLION LIVING AT ALL AGES.

Registration Counties.	1902.		Diphtheria and Croup.	
	Diphtheria.	Croup.	1902.	1897-1901.
South Wales ... ..	438	29	467	666
North Riding of Yorkshire ...	388	13	401	180
Gloucestershire ... ..	348	8	356	224
Monmouthshire ... ..	347	6	353	514
Rutlandshire ... ..	340	—	340	209
Cumberland ... ..	296	41	337	144
Middlesex ... ..	312	15	327	343
Lancashire... ..	289	32	321	265
Essex ... ..	309	6	315	437
Staffordshire ... ..	276	24	300	413
Kent ... ..	275	16	291	380
East Riding of Yorkshire ...	256	22	278	151
Bedfordshire ... ..	255	17	272	302
Warwickshire ... ..	248	22	270	225
Somersetshire ... ..	246	21	267	180
<i>England and Wales, less London</i>	236	20	256	279
London ... ..	242	8	250	410
Durham ... ..	214	35	249	136
Buckinghamshire... ..	218	23	241	279
North Wales ... ..	184	41	225	233
West Riding of Yorkshire ...	206	18	224	342
Cheshire ... ..	200	21	221	214
Sussex ... ..	207	8	215	292
Hampshire... ..	201	14	215	271
Leicestershire ... ..	196	18	214	557
Berkshire ... ..	213	—	213	144
Surrey ... ..	187	5	192	216
Nottinghamshire ... ..	171	16	187	142
Wiltshire ... ..	166	19	185	130
Northumberland ... ..	159	19	178	177
Cornwall ... ..	166	9	175	122
Hertfordshire ... ..	161	8	169	185
Derbyshire... ..	128	32	160	152
Westmorland ... ..	156	—	156	142
Suffolk ... ..	140	14	154	190
Norfolk ... ..	130	17	147	261
Oxfordshire ... ..	139	5	144	133
Northamptonshire ... ..	121	23	144	176
Lincolnshire ... ..	121	14	135	184
Herefordshire ... ..	116	18	134	202
Devonshire ... ..	108	15	123	149
Worcestershire ... ..	113	10	123	231
Dorsetshire ... ..	94	5	99	173
Cambridgeshire ... ..	84	10	94	181
Shropshire... ..	77	12	89	212
Huntingdonshire ... ..	65	—	65	190

509 per million, most of the districts contained therein having been among the districts with exceptional mortality from this disease in the year 1901 also. In the year under present notice, high diphtheria mortality was reported in the small district of Rhayader, where the rate was equal to more than 1,300 per million; Rhayader is, however, far distant from the area referred to above.

The high diphtheria death-rate recorded for 1902 in the *North Riding of Yorkshire* appears to be exceptional, the average rate in each of the decennia from 1861 to 1900 having been below the corresponding rates for extra-metropolitan England. This is true also with respect to the several years since 1896—the first year for which these particular county rates have been separately calculated. Of the 152 deaths recorded in 1902 in the *North Riding*, no fewer than 129 occurred in the registration districts of Scarborough, Whitby, and Middlesbrough, the death-rates in the last two districts having been exceptionally high.

The high mortality from diphtheria in *Gloucestershire* was due to its exceptional prevalence throughout the year in the registration district of Bristol, the death-rate there being equal to 556 per million of the population.

Of the 90 deaths from diphtheria that were recorded in *Cumberland* 47 occurred in the registration district of Carlisle.

The unfavourable position of *Middlesex* is due to the presence in that county of the Metropolitan Asylums Board's North-Eastern Hospital, in which a large proportion of the mortality occurred. If the deaths of Londoners in this hospital be excluded, the diphtheria rate will not exceed 261 per million — which is but little higher than the average rate.

In the county of *Lancaster* high rates of mortality prevailed in many of the registration districts.

In *Essex* the disease was very fatal in West Ham, Orsett, Rochford, Colchester, and Maldon. These registration districts, with the exception of the last named, had also shown high rates from diphtheria in the previous year.

In *Staffordshire* the disease was exceedingly fatal in the district of Stoke on Trent, where the rate was 797 per million; in Stafford 796, and in Wolstanton 690. These districts had suffered severely in the previous year also.

In the county of *Kent* diphtheria mortality, which in the previous three years had been steadily decreasing, rose again in the year under notice, although the rate was still considerably below the quinquennial average. The disease continued to be exceedingly prevalent in the registration districts of Dartford and Medway; the districts of Sevenoaks, Thanet, and Eastry likewise suffered severely.

**Enteric (Typhoid) Fever.**—In the year 1902, the deaths of 4,149 persons from enteric fever, were registered in England and Wales. The mortality from this disease corresponded to a rate of 126 per

million of the population, which is the lowest rate on record. Enteric fever was not separately distinguished in our tables until 1869, only once since which year, namely in 1892 when the rate was 137, has the low rate of the year under notice been approached. As is the case with many other diseases, the mortality from enteric fever varies greatly according as the area affected contains a large or a small proportion of urban population. The subjoined table has therefore been prepared to show the rate of enteric fever mortality at all ages, and for each sex, not only for England and Wales as a whole, but for the two groups before mentioned that have been selected from among the English counties.\* In this table, which gives rates of mortality per million living at all ages, correction has been made for age and sex differences of the populations.

		Crude Rates. Average 1897-1901.	Corrected Rates.	
			Average, 1897-1901.	Year 1902.
Both Sexes...	England and Wales ...	173	173	126
	Urban Counties ...	201	199	143
	Rural Counties ...	108	112	71
Males ...	England and Wales ...	203	204	150
	Urban Counties ...	238	235	171
	Rural Counties ...	119	124	76
Females ...	England and Wales ...	144	145	103
	Urban Counties ...	167	165	117
	Rural Counties ...	98	101	67

From the foregoing table we learn that in 1902, as in previous years, enteric fever was much more fatal in the town than in the country, the corrected urban rates at all ages showing an excess over the rural rates of 125 per cent. in the case of males, and of 75 per cent. in the case of females. The table further shows that if enteric fever mortality among *males* in the year 1902 be compared with the quinquennial average, there has been in England and Wales generally a decrease amounting to 26.5 per cent.; in the urban counties a decrease amounting to 27.2 per cent., and in the rural counties a decrease amounting to 38.7 per cent. Similarly, among *females* the reduction has been equal, in England and Wales, to

\* For the composition of these groups see page xxxv.

29.0 per cent., in the urban counties to 29.1 per cent., and in the rural to 33.7 per cent.

In the year under present notice the highest uncorrected county death rates from this disease were 198 per million in Essex, 180 in Lancashire, 175 in Hampshire, and 161 in Monmouthshire.

The high mortality in *Essex* occurred mainly in the districts of West Ham, Romford, Orsett, and Rochford. These districts form the southern portion of the county, all of them lying on the north bank of the Thames. The rate in these four districts taken together was equal to 234 per million.

In *Lancashire* the mortality in several districts was above that of England and Wales; the highest rates prevailing in the districts of Liverpool, Toxteth Park, West Derby, Prescott, Wigan, Leigh, Salford, Fylde, and Lancaster.

The excessive registered mortality in *Hampshire* was mainly due to deaths occurring either in the borough of Portsmouth or in the Royal Hospitals at Netley and Haslar. Excluding these, the rate in the remainder of the county was only 117 per million.

In *Monmouthshire* the high mortality was confined to the district of Bedwelty, the rate in this district being 357 per million, whereas, in the remainder of the county, the rate did not exceed 92 per million.

With reference to the average mortality from enteric fever in the decennium 1892-1901, Table 29 on page cxlv indicates that it was highest in Durham, where the rate was 302 per million living; in Nottinghamshire, where it was 257; and in Lancashire, where it was 250. In addition to these there were ten other counties, in each of which the mortality from enteric fever exceeded the decennial average for England and Wales, which was 173 per million. Although in the year 1902 the rates of mortality in most of the above-mentioned counties were among the highest in England and Wales, they nevertheless showed, with two exceptions, very large reductions as compared with the respective averages. The remaining counties experienced for the most part a mortality below that of England and Wales, and this is true whether the average rates or the rates for 1902 be placed in comparison.

In several previous reports a table has been inserted showing the crude rates of enteric fever mortality in a continuous group of nineteen registration districts or poor law unions in the North of England.\* For the reason that the rates for 1902 show, in all cases save one, a considerable reduction as compared with the average, this table has been discontinued in the present report; but it still deserves to be noted that, although in the last decennium enteric fever mortality in five of the districts had fallen to what was normal in this country at that time, there still remain fourteen out of the original nineteen districts in which it considerably exceeded the average rate in England and Wales. In the years 1892-1901, the death-rate in these fourteen districts averaged 336 per million,

\* See Registrar-General's 64th Annual Report, page 1.

and even this high rate was exceeded in five of the districts, namely, Auckland, Easington, Houghton-le-Spring, Sunderland, and Morpeth. It is, however, satisfactory to observe that in four of the districts last-mentioned, there has been in 1902 a fall in the mortality from this disease, as compared with the decennial average.

The following table shows the age incidence of fatal enteric fever among males and females separately, both in England and Wales as a whole, and in the urban and rural groups of counties before referred to.\* The rates are per million living at the several ages.

		0—	5—	15—	25—	35—	45—	55—	65 and upwards.
Both sexes.	England & Wales { Average	<b>70</b>	<b>130</b>	<b>262</b>	<b>247</b>	<b>200</b>	<b>151</b>	<b>107</b>	<b>48</b>
	{ 1902 ..	46	95	180	196	150	102	80	29
	Urban Counties. { Average	<b>84</b>	<b>151</b>	<b>296</b>	<b>284</b>	<b>230</b>	<b>175</b>	<b>127</b>	<b>54</b>
	{ 1902 ..	53	107	202	217	177	121	92	40
	Rural Counties. { Average	<b>32</b>	<b>91</b>	<b>165</b>	<b>159</b>	<b>135</b>	<b>101</b>	<b>74</b>	<b>33</b>
	{ 1902 ..	9	58	110	104	87	67	55	3
Males.	England & Wales { Average	<b>71</b>	<b>123</b>	<b>321</b>	<b>316</b>	<b>243</b>	<b>182</b>	<b>129</b>	<b>59</b>
	{ 1902 ..	44	85	231	261	179	120	103	40
	Urban Counties. { Average	<b>85</b>	<b>141</b>	<b>371</b>	<b>361</b>	<b>280</b>	<b>208</b>	<b>153</b>	<b>67</b>
	{ 1902 ..	49	96	264	284	217	143	110	52
	Rural Counties. { Average	<b>27</b>	<b>79</b>	<b>185</b>	<b>203</b>	<b>150</b>	<b>122</b>	<b>83</b>	<b>39</b>
	{ 1902 ..	4	41	121	124	95	85	77	—
Females.	England & Wales { Average	<b>68</b>	<b>138</b>	<b>207</b>	<b>185</b>	<b>159</b>	<b>122</b>	<b>88</b>	<b>40</b>
	{ 1902 ..	48	105	133	138	123	84	59	21
	Urban Counties. { Average	<b>82</b>	<b>160</b>	<b>226</b>	<b>214</b>	<b>182</b>	<b>145</b>	<b>104</b>	<b>44</b>
	{ 1902 ..	56	119	145	156	140	101	75	31
	Rural Counties. { Average	<b>37</b>	<b>103</b>	<b>146</b>	<b>121</b>	<b>122</b>	<b>82</b>	<b>66</b>	<b>28</b>
	{ 1902 ..	13	74	99	86	79	52	36	6

By this table it will be seen that, at every age-group, enteric fever is much more fatal in the town than in the country, and that its greatest fatality is generally attained some time between the ages of 15 and 35. The mortality is low in both sexes at the age-group 0—5 years, after which period it increases gradually up to the maximum, and then gradually declines, generally reaching its minimum at the age-group 65 years and upwards. Both among males and among females enteric fever mortality was lower at the several age-groups in the year 1902 than the

\* See Note to page xxxv.

average in the previous quinquennial period; speaking generally, the reduction was relatively greatest at the extremes of life, the single exception being that the reduction of mortality of females in the urban group of counties was greatest at ages 15—25.

**Diarrhœa, Epidemic Diarrhœa, Infective Enteritis.**—In the year 1902 the deaths ascribed in the registers either to diarrhœa and dysentery or else to epidemic diarrhœa (infective enteritis) numbered 14,053, and were fewer by 11,728 than the average numbers in the preceding decennium corrected for increase of population. Calculated on the estimated population at all ages and of both sexes these deaths are equal to a rate of 426 per million. Taking one year with another, “diarrhœal diseases,” as enumerated in the footnote to page lxx, are the most fatal of the ailments specified in Table M. on page lxxix as chiefly affecting children under the age of five years. On reference to the upper portion of that table it will be seen that in the quinquennium 1897—1901 these diseases were more than twice as fatal in the urban counties as in the rural; they were also more fatal to boys than to girls—especially was this the case in the rural counties. In the year 1902, as in previous years, diarrhœal diseases were most fatal in those counties that contain large proportions of urban population. Table 31 shows this clearly, the lowest rates, in no case exceeding 1·53 per 1,000 living, being in Rutlandshire, Suffolk, and Dorsetshire, whilst the rate rose to 5·90 in Staffordshire, 6·07 in Middlesex, 6·46 in Nottinghamshire, 6·58 in Warwickshire, 6·76 in London, and 7·30 in Lancashire.

**Rabies.**—(*Hydrophobia*.)—Two deaths from this disease were registered in 1902, one in London, the other in Carmarthenshire. Previous to this no death from hydrophobia had been recorded in England and Wales in any year since 1898. In the decennium immediately preceding 1899 as many as 104 deaths were attributed to this disease, the numbers in single years having reached 30 in 1889 and 20 in 1895.

**Pyæmia, Septicæmia, Septic Intoxication.**—In the official list of causes of death for 1901 an attempt was for the first time made to discriminate between the several kinds of septic infection, pyæmia having been distinguished from septicæmia, and a separate line having been assigned to infective (or ulcerative) endocarditis, which malady has consequently been transferred to the category of general diseases; and another line has been added to include other infective processes. In the supplementary tables on pages 152 and 153 of the present report are specified the principal organs or parts of the body that have been medically certified as invaded by infective processes.

**Puerperal Pyæmia, Septicæmia, Septic Intoxication.**—In the course of the year under notice, 2,003 deaths were referred either to one or other of the conditions included in this group or else to puerperal fever, the numbers so referred in the year immediately preceding having been 2,079. Of the 2,003 deaths attributed to puerperal

TABLE I.—DEATHS OF WOMEN IN ENGLAND AND WALES DURING 1902 DEFINITELY RETURNED AS EITHER CAUSED BY OR ASSOCIATED WITH PREGNANCY OR CHILDBEARING.\*

Cause of Death.	All Ages.	Ages.				
		15—	20—	25—	35—	45 and Upwards.
Total .. .. .	5,589	149	932	2,704	1,736	68
Small-pox .. .. .	32	2	4	19	7	—
Measles .. .. .	5	—	—	5	—	—
Scarlet Fever .. .. .	28	1	6	17	3	1
Influenza .. .. .	82	2	13	43	24	—
Diphtheria .. .. .	10	3	3	3	1	—
Enteric Fever .. .. .	21	—	6	12	3	—
Diarrhoea .. .. .	18	—	1	9	8	—
Syphilis .. .. .	5	—	2	1	2	—
Puerperal Septicæmia†	1,464	49	291	757	355	12
Puerperal Pyæmia†	54	2	9	30	13	—
Phlegmasia Alba Dolens†	95	—	14	43	35	3
Puerperal Fever†	390	15	99	204	70	2
Infective Endocarditis	5	—	—	4	1	—
Lobar Pneumonia .. .. .	42	—	9	14	19	—
Broncho-Pneumonia .. .. .	27	—	6	15	5	1
Pneumonia (not defined) .. .. .	292	5	39	148	98	2
Tuberculous Phthisis .. .. .	42	—	8	22	12	—
Phthisis (not otherwise defined) .. .. .	134	2	13	70	48	1
Tuberculous Meningitis .. .. .	1	—	1	—	—	—
Tuberculous Peritonitis .. .. .	4	—	2	1	1	—
General Tuberculosis .. .. .	16	2	6	7	1	—
Alcoholism .. .. .	5	—	—	—	5	—
Rheumatic Fever .. .. .	20	—	3	12	5	—
Malignant Disease .. .. .	12	—	—	4	7	1
Purpura .. .. .	6	—	2	2	2	—
Anæmia .. .. .	27	1	2	11	13	—
Diabetes Mellitus .. .. .	5	—	—	1	4	—
Meningitis, Inflammation of Brain	3	—	—	2	1	—
Chorea .. .. .	3	—	3	—	—	—
Epilepsy .. .. .	20	2	2	9	7	—
Other Diseases of Nervous System	5	—	1	1	3	—
Valvular Disease, Endocarditis .. .. .	71	—	6	32	32	1
Pericarditis .. .. .	3	—	1	—	2	—
Dilatation of Heart .. .. .	3	—	—	2	1	—
Fatty Degeneration of Heart .. .. .	14	—	—	5	9	—
Syncope, Heart Disease .. .. .	107	—	19	47	38	3
Cerebral Hæmorrhage .. .. .	1	—	—	—	—	1
Apoplexy, Hemiplegia .. .. .	8	—	3	1	4	—
Laryngitis .. .. .	1	—	—	—	1	—
Bronchitis .. .. .	43	—	4	12	26	1
Emphysema, Asthma .. .. .	3	—	—	2	1	—
Pleurisy .. .. .	12	1	—	8	3	—
Other Diseases of Respiratory System	4	—	—	—	4	—
Disease of Mouth, Pharynx .. .. .	2	—	—	1	1	—
Gastric Ulcer .. .. .	13	2	4	6	1	—
Other Diseases of Stomach .. .. .	7	—	—	3	4	—
Enteritis .. .. .	15	2	2	7	4	—
Appendicitis .. .. .	2	—	1	1	—	—
Intestinal Obstruction .. .. .	10	—	1	4	5	—
Diseases of Liver .. .. .	12	1	1	6	4	—
Acute Nephritis .. .. .	42	—	12	21	9	—
Chronic Bright's Disease .. .. .	107	—	9	50	44	4
Other Diseases of Urinary System	5	—	—	4	1	—
Ovarian Tumour .. .. .	1	—	—	—	1	—
Uterine Tumour and other Diseases of Uterus.	12	—	1	4	7	—
Abortion, Miscarriage‡	148	3	20	58	62	5
Puerperal Mania‡	79	5	16	46	9	3
Puerperal Convulsions‡	400	34	118	166	78	4
Placenta Prævia, Flooding‡	637	6	43	283	294	11
Other Accidents of Pregnancy and Childbirth.‡	938	9	122	460	335	12
Violence .. .. .	5	—	—	3	2	—
Other Causes .. .. .	11	—	4	6	1	—

\* These deaths are included in the general abstracts and tables of Causes of Death.

† Of the 2,003 deaths attributed to Puerperal Septic Diseases, 72 were further complicated with another disease.

‡ Of the 2,202 deaths classed to Childbirth, a secondary cause was mentioned in 124 cases.

septic affections, 72 were further complicated.\* The complicating cause was stated to be phthisis in 5 cases, heart disease in 5, pneumonia in 40, and disease of the urinary system in 5 cases. In addition to the above there occurred in connection with pregnancy or childbirth 2,202 other deaths, particulars concerning which will be found under the proper headings at page 149 and in Table I. on page 1. For further remarks respecting diseases of whatever kind occurring in connection with the puerperal state, see page lxvii.

**Pneumonia.**—The deaths returned as due to pneumonia numbered 46,431 in the year 1902, and were equal to a rate of 1,407 per million of the population without distinction of age or of sex. Of this total, 3,475 deaths were attributed to lobar pneumonia, 18,608 to broncho-pneumonia, 10 to epidemic pneumonia, and 192 to septic pneumonia, whilst 24,146 were registered as from "pneumonia," without further qualification. These septic cases are included in the general abstracts under the head of "pneumonia" (pp. 140, 141), and also among infective diseases of the lung, in the supplementary tables on pp. 152, 153, where also will be found their age and sex distribution. Pneumonia appears to be very much more fatal in the town than in the country. For example, taking the average corrected rates at all ages in the quinquennium 1897-1901 the urban rates were in excess by between 80 and 90 per cent., both among males and among females, and that excess is distributed with fair regularity over the different age-groups. This disease affects the sexes in different proportions, the corrected death-rates in the quinquennium being 1,437 per million males living, and only 975 per million females. Pneumonia (and especially broncho-pneumonia) is most fatal at the extremes of life, killing on the average 5.13 children under five years old out of every thousand living at that age, and also 3.12 persons over 65 years old in each thousand living at that age. Between these extremes the fatality increases progressively from one age-group to another, the rate being lowest (0.20 per 1,000) at ages 5-15 years. Further remarks on the age incidence of fatal pneumonia will be found at page liv of the Registrar-General's Sixty-fourth Annual Report.

#### Tuberculosis.

To tuberculous diseases, in the aggregate, 57,396 deaths were attributed in the year under notice, or 7,356 fewer than the average number in the preceding ten years, corrected for increase of population. Therefore, in the year 1902, tuberculosis in one or other of its forms was responsible for 10.7 per cent. of the mortality from all causes, and for a death-rate of 1,741 per million of the population at all ages and of both sexes.

In previous reports attention has been drawn to the difficulty of estimating the amount of mischief actually caused by tubercle

\* These complicating causes do not appear in Tables 19-24 on pp. xcvi-ccxxix, the deaths having been classed, not to these causes, but to puerperal septic diseases.

because of uncertainty as to the true nature of the conditions indicated by such names as "tabes mesenterica," "abdominal phthisis," "hydrocephalus," &c.

Tuberculous phthisis (pulmonary tuberculosis) was the cause of 10,480 deaths, and "phthisis" not otherwise distinguished, of 30,191 deaths in the year under notice. Together these deaths were in the proportion of 71 per cent. of the total mortality from tuberculosis, and were equal to a rate of 1,233 per million of the population at all ages and of both sexes. This rate is lower by 90 per million than the average rate in the preceding quinquennium. The subjoined table has been prepared to show the urban and rural distribution of fatal phthisis among persons at all ages and of each sex,—the selected counties having been arranged in the same groups as on page xxxv :—

		Crude Rates, Average, 1897-1901.	Corrected Rates.	
			Average, 1897-1901.	Year 1902.
Both Sexes	England and Wales ...	1,315	1,323	1,233
	Urban Counties ...	1,432	1,433	1,322
	Rural Counties ...	1,159	1,197	1,136
Males	England and Wales ...	1,529	1,540	1,456
	Urban Counties ...	1,714	1,717	1,602
	Rural Counties ...	1,236	1,272	1,230
Females	England and Wales ...	1,114	1,120	1,024
	Urban Counties ...	1,167	1,166	1,059
	Rural Counties ...	1,088	1,128	1,048

In preparing this table the death-rates in the last two columns have been corrected to allow for age differences in the several populations. From these columns we see that in the year 1902 phthisis mortality at all ages in England and Wales was equal to a rate of 1,456 per million living among males, and to a rate of 1,024 per million living among females. The mortality among males was therefore in excess by 42.2 per cent. As compared with the average in the previous five years the male rate in the year under notice was lower by 84 per million, and the female rate lower by 96 per million, of the respective populations. In the year 1902, as well as in the five years 1897-1901 the corrected average phthisis rate among males was much greater in the urban group of counties than in the rural, whilst among females the rates differed but slightly. At page lvii. of the Registrar-General's

64th Annual Report this subject was considered at greater length.

Turning now to the uncorrected county rates in Tables 27 and 28, pages cxlii-cxlv, and disregarding counties with populations of fewer than one hundred thousand persons, we find that among males phthisis was most fatal in Northumberland, where the rate of mortality per million living of that sex was equal to 1,663, in Hampshire to 1,684, in Lancashire to 1,712, in Warwickshire to 1,717, and in London to 2,089. The disease was least fatal in Wiltshire, 851 per million, and in Monmouthshire, 876 per million. Among females the phthisis rate per million of that sex was highest, 1,285 in South Wales, 1,349 in Northumberland, and 1,546 in North Wales. The lowest female rates were 688 in Berkshire, 692 in Oxfordshire, 766 in Surrey, 770 in Wiltshire, and 780 in Somersetshire. In all the English counties except Huntingdonshire and Monmouthshire phthisis was more fatal, in many cases remarkably so, among males than among females. Throughout Wales the disease was almost equally fatal to both sexes, and the death-rate was exceptionally high in North Wales.

The following table shows the rates of mortality from phthisis at several age groups of both sexes, the annual rates for 1902 being distinguished from the quinquennial average rates by the use of different type :—

		0—	5—	15—	25—	35—	45—	55—	65—	
Both Sexes.	England & Wales.	Average	<b>362</b>	<b>242</b>	<b>1,284</b>	<b>1,957</b>	<b>2,450</b>	<b>2,322</b>	<b>1,841</b>	<b>972</b>
		1902 ..	350	223	1,144	1,829	2,258	2,242	1,754	944
	Urban Counties.	Average	<b>415</b>	<b>252</b>	<b>1,233</b>	<b>1,980</b>	<b>2,814</b>	<b>2,742</b>	<b>2,148</b>	<b>1,138</b>
		1902 ..	394	225	1,103	1,811	2,530	2,564	2,053	1,090
	Rural Counties.	Average	<b>271</b>	<b>237</b>	<b>1,514</b>	<b>2,036</b>	<b>1,807</b>	<b>1,627</b>	<b>1,422</b>	<b>807</b>
		1902 ..	271	243	1,319	1,967	1,810	1,489	1,322	892
Males.	England & Wales.	Average	<b>393</b>	<b>172</b>	<b>1,298</b>	<b>2,225</b>	<b>2,978</b>	<b>3,150</b>	<b>2,582</b>	<b>1,336</b>
		1902 ..	379	158	1,181	2,141	2,758	3,073	2,437	1,302
	Urban Counties.	Average	<b>452</b>	<b>184</b>	<b>1,273</b>	<b>2,274</b>	<b>3,466</b>	<b>3,816</b>	<b>3,141</b>	<b>1,655</b>
		1902 ..	419	165	1,154	2,124	3,116	3,754	2,956	1,625
	Rural Counties.	Average	<b>293</b>	<b>154</b>	<b>1,434</b>	<b>2,185</b>	<b>2,026</b>	<b>2,061</b>	<b>1,789</b>	<b>1,020</b>
		1902 ..	301	141	1,233	2,247	2,104	1,874	1,649	1,123
Females.	England & Wales.	Average	<b>332</b>	<b>313</b>	<b>1,270</b>	<b>1,715</b>	<b>1,956</b>	<b>1,555</b>	<b>1,193</b>	<b>690</b>
		1902 ..	321	289	1,109	1,548	1,789	1,472	1,155	668
	Urban Counties.	Average	<b>377</b>	<b>320</b>	<b>1,197</b>	<b>1,713</b>	<b>2,193</b>	<b>1,734</b>	<b>1,281</b>	<b>754</b>
		1902 ..	369	284	1,056	1,526	1,973	1,637	1,263	695
	Rural Counties.	Average	<b>249</b>	<b>321</b>	<b>1,592</b>	<b>1,906</b>	<b>1,608</b>	<b>1,241</b>	<b>1,102</b>	<b>635</b>
		1902 ..	241	346	1,401	1,724	1,541	1,145	1,037	707

This table reveals two instructive points concerning age-incidence :—(1.) In the urban group of counties as well as in England and Wales generally the 1902 phthisis rates show a decline as compared with the average, in both sexes and at all stages of life ; in the rural counties there has been an increase at certain age-groups : among males at ages under 5, at ages 25 to 45, and at ages above 65 ; among females at ages 5 to 15 and at ages above 65. (2.) In the rural counties the period of maximum phthisis mortality is the same in both sexes, namely, the age-group 25 to 35 years, but in the urban counties the period is twenty years later (45 to 55 years) among men, and ten years later (35 to 45 years) among women.

**Tuberculous Meningitis.**—Under this heading there were recorded, in the year under notice, 5,961 deaths at all ages, being fewer by 962 than the decennial average number corrected for increase of population. As the deaths attributed to so-called simple meningitis have also decreased in number, there is no reason to suppose that the fall in the death-rate from tuberculous meningitis is otherwise than real.

It is probable that some few deaths really due to tubercle are still included under the head of congenital hydrocephalus, in which case the death-rate from tuberculous meningitis in recent and past years will be somewhat understated in the tables. The above-mentioned total of 5,961 deaths includes 94 that were certified as from "acute hydrocephalus." This expression is now fast giving place in the death registers to the preferable term tuberculous meningitis, and it is hoped that, in all cases which are believed to depend on this form of infection, that term and not hydrocephalus will be henceforth employed.

Ages at Death.	Tuberculous Meningitis.*		Acute Hydrocephalus.*		Congenital Hydrocephalus.	
	Males.	Females.	Males.	Females.	Males.	Females.
Under 1 year .. .. .	790	595	36	27	148	94
1-2 .. .. .	584	552	11	6	57	32
2-3 .. .. .	315	323	3	4	20	9
3-4 .. .. .	214	233	1	—	8	4
4-5 .. .. .	167	193	1	1	4	2
5-15 .. .. .	694	668	2	1	11	5
15-25 .. .. .	149	158	1	—	4	—
25 and upwards. . . . .	116	116	—	—	—	1
ALL AGES .. .. .	3,029	2,838	55	39	252	147

\* The deaths in this table classed (1) as tuberculous meningitis and (2) as acute hydrocephalus are aggregated in the general tables under the first mentioned heading.

In addition to the deaths certified as due to tuberculous meningitis, many deaths were indefinitely referred, in the original certificates, to "hydrocephalus" simply. Enquiries respecting 318 of these cases were addressed to certifying practitioners for the purpose of ascertaining the number that depended on tuberculous infection ; the result being that 97 deaths were transferred to "tuberculous meningitis," and 175 to "congenital hydrocephalus." The table on p. liv gives particulars of the deaths thus returned during the year 1902.

Of the deaths at all ages from tuberculous meningitis, not fewer than 4056, or 68 per cent., were those of children under the age of five years. Boys at this age died at the rate of 1.13 per thousand living, and girls at the rate of 1.02 per thousand. After this age tuberculous meningitis steadily diminishes in fatality, but it continues to exact a few victims at all subsequent stages of life.

**Tuberculous Peritonitis** was recorded as the cause of 2,957 deaths, and "Tabes Mesenterica" of 2,346 deaths: together 5,303 deaths were returned, or fewer by 1,635 than the average number in the preceding ten years corrected for increase of the population. Of the numerous deaths annually ascribed to "tabes mesenterica," how many are really due to tubercle? This is the question frequently asked. It is obvious, however, that by reason of the vague and irregular manner in which the name is used, no satisfactory answer to this question can be given. But with regard to its present employment by the medical profession, I have recently ascertained by personal correspondence that the term "tabes mesenterica" has long been discarded by the medical staffs of the principal hospitals in London. We may, therefore, hope that before long its use will be universally abandoned. Of the 5,303 deaths at all ages, returned under this heading, 3815, or 72 per cent., were those of children under five years of age. Among boys of that age the death-rate was equal to 1.14 per thousand living, and among girls, to a rate of 0.89 per thousand.

**Other Tuberculous Diseases.**—The deaths returned as from "general tuberculosis" numbered 4,048 (more than half of the victims being children under the age of five years), and the deaths from tuberculosis of bones, joints and other specified organs numbered 1,413 ; these deaths together amounted to 5,461, and were in the proportion of 166 per million of the population at all ages and of both sexes. (See Table 20 on page ci.)

**Alcoholism.**—In the year under notice there were referred either to alcoholism or to delirium tremens 2,784 deaths. Calculated on the numbers living, the mortality was equal to a rate of 105 per million among males and of 65 per million among females, both these rates being in excess of the decennial average. Of the deaths included under this heading, 82 were referred in the original certificates, not to alcoholism but to such conditions as hæmatemesis, neuritis, paralysis, peritonitis, dropsy, &c. But, after all, the mortality here specifically ascribed to alcoholism by no means adequately represents the mischief actually caused by intemperance. Very important in this connection is the following statement, which shows the average death-rates per million living from

"cirrhosis of the liver" in two quinquennial periods 25 years apart :—

Average.	Male Death-rate.	Female Death-rate.
1873-77 ... ..	111	74
1898-1902 ... ..	155	115
Difference ... ..	+ 40%	+ 55%

These figures show that cirrhosis of the liver—the relation of which disease to alcoholic intemperance is well known—far from having shared in the general fall of mortality that has been observed in recent years, has actually increased in fatality, among males by 40 per cent., and among females by as much as 55 per cent., since the quinquennial period 1873-7.

**Rheumatic Fever.**—The deaths attributed to rheumatic fever numbered 2,146 in the year under notice, and were equal to a rate of 65 per million of the population of both sexes. In order to compare the mortality from this disease in recent with that in earlier years it is necessary to add to the deaths from rheumatic fever those from "rheumatism of the heart," which in the year 1902 were 629 in number.\* With this addition the rate becomes 84 per million, which approximates closely to the decennial average rate. According to the experience of the last two years acute rheumatism is rather more fatal to the male than to the female sex, except at ages under 15.

**Malignant Disease.**—The deaths ascribed to cancer or malignant disease in the year under notice numbered 27,872,† and exceeded by 2,384 the average number in the previous ten years corrected for increase of population. Of the above mentioned deaths 13,540 were attributed to Carcinoma, 1,690 to Sarcoma, and 12,642 to "cancer" or "malignant disease," simply. Among males the crude rate of cancer mortality was 696 per million living, and was the highest male rate on record; among the other sex it was 985 per million, which had been the rate prevailing in the previous year likewise; this rate also was the highest on record among females. As compared with the decennial average, the male rate of 1902 was in excess by 13 per cent., and the female rate in excess by 7 per cent. It is important to bear in mind that this "crude rate" of cancer mortality is misleading as between the earlier and later periods, because of changes in the age constitution of the population. I shall recur to this subject later on.

\* Previous to the year 1901, "Rheumatic Fever" and "Rheumatism of Heart" were classed together.

† Of these deaths, 448 were contributed to the total as a result of enquiries addressed to Medical Practitioners respecting deaths from "tumours" and other imperfectly specified conditions.

Table J, p. lviii, shows for males, and Table K, p. lix, for females, the relative frequency with which malignant disease attacks different parts of the body. As regards 1·1 per cent. of the total deaths the part of the body invaded was not specified. The statistics of 1902, like those of 1901, confirm the records of recent previous years in showing that the notably excessive fatality of malignant disease among women, as compared with men, depends on its tendency to invade with exceptional frequency the generative and mammary organs of the female sex. Thus, we find that if cancerous affections of these organs be excluded, the male deaths from malignant disease in 1902 were equal to a crude rate of 684 per million, whilst the female rate, similarly computed, was only 572 per million.

The mortality from malignant disease does not bulk largely in the bills of mortality until somewhere about the thirty-fifth year of life, the mortality at the several age groups under 35, ranging from 12 per million at ages 5-10 years to 141 at ages 25-35. It is right to mention, however, that at each of the six age-groups of the period *under* 35 years, the registered mortality from malignant disease is also increasing, and that not slowly.

In the subjoined table are shown the cancer death-rates at all ages *above* 35 years: (i) in England and Wales as a whole, (ii) in the urban counties, and (iii) in the rural counties—the rates in 1902 being compared with the average rates in the five years immediately preceding.\*

	Crude Rates.	Corrected Rates.		
		Average, 1897-1901.	Year 1902.	
Both Sexes...	England and Wales ...	2,466	2,458	2,540
	Urban Counties ...	2,423	2,558	2,663
	Rural Counties ...	2,643	2,299	2,379
Males ...	England and Wales ...	2,046	2,037	2,139
	Urban Counties ...	1,970	2,116	2,254
	Rural Counties ...	2,304	1,938	1,957
Females ...	England and Wales ...	2,843	2,835	2,900
	Urban Counties ...	2,832	2,954	3,030
	Rural Counties ...	2,940	2,623	2,757

In the first column of this table are given the crude average death-rates from cancer in that portion of the population which

\* For the composition of these county groups see page xxxv.

TABLE J.—ENGLAND AND WALES.—DEATHS FROM MALIGNANT DISEASE in 1902, CLASSIFIED according to AGE, and PART AFFECTED.

MALES.

Part of the Body Invaded.*	Years of Age								Total.
	Under 25.	25—	35—	45—	55—	65—	75—	85 and upwards.	
Skin of—									
Face .. .. .	3	4	10	32	48	82+	66	5	250
Lip .. .. .	—	—	8	15	33	68+	52	15	191
Nose .. .. .	—	—	—	5	5	3	4	1	18
Scalp .. .. .	2	1	1	2	4	4	—	1	15
Ear .. .. .	2	1	1	2	6	6	8	—	22
Stomach .. .. .	4	40	174	422	770+	728+	247	12	2,397
Intestines .. .. .	8	19	48	149	230	234+	93	8	789
Rectum .. .. .	8	33	67	202	335	366+	121	11	1,143
Uterus .. .. .	—	—	—	—	—	—	—	—	—
Breast .. .. .	—	—	1	6	5	4	1	—	17
Esophagus .. .. .	—	5	43	165	242+	186	72	—	713
Liver and Gall Bladder .. .. .	10	18	93	257	511+	426	174	14	1,503
Pancreas .. .. .	—	6	21	43	57+	39	11	—	177
Bladder and Urethra .. .. .	3	2	16	49	96	130+	57	2	355
Pharynx, Throat .. .. .	3	4	19	50	74+	60	16	2	228
Larynx and Trachea .. .. .	—	—	12	55	70+	50	5	—	192
Thyroid .. .. .	1	—	1	6	6	3	2	—	19
Tongue .. .. .	—	5	40	161	219+	139	58	3	625
Mouth .. .. .	4	1	11	36	61	66+	25	1	205
Prostate .. .. .	—	—	1	9	23	31	8	2	74
Peritoneum .. .. .	6	5	8	24	25	23	8	—	99
Pleura .. .. .	1	1	—	2	1	1	2	—	8
Brain .. .. .	22	12	17	23	17	5	1	—	97
Spinal Cord .. .. .	1	1	—	—	1	—	1	—	4
Pericardium .. .. .	—	1	—	—	1	—	—	—	2
Globe of Eye, Orbit .. .. .	17	—	2	4	1	7	5	—	36
Axilla .. .. .	—	1	1	1	6	4	—	—	13
Groin .. .. .	1	1	3	7	3	—	1	1	17
Lymphatic Glands .. .. .	8	2	5	3	9	6	1	—	34
Shoulder .. .. .	3	2	3	4	6	5	3	—	26
Arm, Leg .. .. .	18	10	13	15	28	40	27	6	157
Hip .. .. .	2	1	2	4	4	1	2	—	16
Skull .. .. .	4	2	1	5	3	2	1	—	18
Rib, Sternum .. .. .	2	1	—	5	4	7	2	—	21
Spinal Column .. .. .	3	4	3	3	8	6	1	—	28
Jaw .. .. .	8	3	26	58	91	107+	26	—	319
Buttock .. .. .	—	1	—	—	—	1	1	—	3
Pelvic Bones .. .. .	7	9	8	12	12	10	4	1	63
Ovary .. .. .	—	—	—	—	—	—	8	1	108
Kidney and Supra-Renals .. .. .	16	7	6	23	29	18	18	3	174
Testes and Penis .. .. .	5	15	26	37	29	41	18	3	174
Parotid Gland .. .. .	3	1	1	9	9	7	4	—	34
Lung .. .. .	3	14	21	28	30	26	5	1	128
Mediastinum .. .. .	7	2	11	26	27	13	7	—	93
Mesentery .. .. .	1	—	6	8	9	6	1	—	31
Lymphatic Glands of Neck .. .. .	8	4	19	65	90+	77	32	3	298
Spleen .. .. .	—	—	1	3	10	6	2	—	22
Abdomen .. .. .	13	10	9	30	34	44	22	1	163
Thorax .. .. .	2	1	3	4	15	3	2	—	30
Part not Stated .. .. .	13	4	7	25	36	26	11	1	123
TOTAL .. .. .	222	254	769	2,094	3,329	3,117	1,218	95	11,098

\* See note to corresponding table in 64th Annual Report.

TABLE K.—ENGLAND AND WALES.—DEATHS FROM MALIGNANT DISEASE in 1902, CLASSIFIED according to AGE, and PART AFFECTED.

FEMALES.

Part of the Body Invaded.	Years of Age								Total.
	Under 25.	25—	35—	45—	55—	65—	75—	85 and upwards.	
Skin of—									
Face .. .. .	3	1	11	13	27	35	50	10	150
Lip .. .. .	—	—	—	1	4	3	4	1	10
Nose .. .. .	—	—	1	3	8	4	5	—	23
Scalp .. .. .	—	—	—	2	2	2	3	—	9
Ear .. .. .	—	—	—	2	695	707	302	19	2,353
Stomach .. .. .	2	44	176	408	297	326	138	17	1,052
Intestines .. .. .	7	22	78	167	255	261	112	13	945
Rectum .. .. .	5	38	77	184	255	261	112	13	945
Uterus .. .. .	8	173	688	1,155	1,010	649	224	21	3,928
Breast .. .. .	3	58	350	690	760	582	297	65	2,814
Esophagus .. .. .	—	12	25	41	59	60	26	1	224
Liver and Gall Bladder .. .. .	9	16	136	369	747	700	285	23	2,285
Pancreas .. .. .	—	4	12	28	55	41	18	3	161
Bladder and Urethra .. .. .	—	1	16	16	42	52	36	—	163
Pharynx, Throat .. .. .	3	3	8	13	17	12	7	—	63
Larynx and Trachea .. .. .	—	3	11	19	17	14	4	1	74
Thyroid .. .. .	3	1	7	9	19	16	2	4	61
Tongue .. .. .	1	5	8	8	17	30	11	2	83
Mouth .. .. .	—	—	7	8	11	12	6	—	44
Prostate .. .. .	—	—	—	—	—	—	—	—	—
Peritoneum .. .. .	3	13	20	49	90	86	29	3	293
Pleura .. .. .	—	1	1	2	2	3	1	—	10
Brain .. .. .	7	10	23	17	16	3	—	—	76
Spinal Cord .. .. .	—	—	—	3	1	—	—	—	4
Heart .. .. .	—	—	—	2	4	6	8	3	39
Globe of Eye, Orbit .. .. .	12	1	3	4	8	7	4	—	25
Axilla .. .. .	—	1	1	4	8	4	—	—	21
Groin .. .. .	—	—	2	6	6	4	3	—	24
Lymphatic Glands .. .. .	2	1	2	10	4	2	2	1	18
Shoulder .. .. .	4	1	1	1	7	2	2	—	16
Arm, Leg .. .. .	26	10	11	17	30	29	32	11	166
Hip .. .. .	2	—	—	1	—	3	—	—	6
Skull .. .. .	1	—	1	—	3	1	—	—	7
Rib, Sternum .. .. .	1	1	2	3	4	2	—	—	13
Spinal Column .. .. .	4	3	3	4	8	3	4	1	30
Jaw .. .. .	4	3	13	26	26	31	16	1	120
Buttock .. .. .	—	—	1	1	—	—	1	—	3
Pelvic Bones .. .. .	10	7	18	28	25	23	6	1	118
Ovary .. .. .	9	20	57	89	69	32	10	—	286
Kidney and Supra-Renals .. .. .	27	4	12	37	36	34	13	1	164
Testes and Penis .. .. .	—	—	—	—	—	—	—	—	—
Parotid Gland .. .. .	2	2	1	2	4	4	—	1	16
Lung .. .. .	13	10	21	32	24	19	2	—	121
Mediastinum .. .. .	2	3	6	15	22	14	9	—	43
Mesentery .. .. .	1	4	1	8	9	15	4	1	71
Lymphatic Glands of Neck .. .. .	7	4	7	24	14	23	15	4	98
Spleen .. .. .	2	—	5	4	10	4	2	—	27
Abdomen .. .. .	8	6	18	66	77	87	38	3	303
Thorax .. .. .	1	2	1	6	7	8	—	—	25
Part not Stated .. .. .	10	6	30	46	33	42	11	6	184
TOTAL .. .. .	202	499	1,872	3,639	4,590	3,997	1,752	223	16,774



is above 35 years of age, and in the second column, the rates corrected for differences in the age constitution of the several populations. Comparison of these columns forcibly illustrates the need for this adjustment in the case of diseases, like cancer, that specially affect particular ages. Taking, for example, the average rates before referred to, we note that if the cancer mortality at ages above 35 be judged by the *crude death-rates*, the rural counties will appear to suffer much more heavily than the urban, whereas, if the *corrected death-rates* be taken as test, the opposite conclusion follows, for the rural cancer mortality in both sexes is shown to be considerably the lower. But even this adjustment fails to reveal the true relative mortality in populations thus differently circumstanced. In my former letter I drew attention to the further complication arising from the death of many country patients in urban hospitals; this complication cannot, unfortunately, be adjusted for by any method now practicable. Moreover, it would obviously be unsafe to assume that the place of a patient's last residence before death had been also the place of origin of his or her disease.

In the following table are given the urban and rural cancer rates per million living at the several groups of ages from 35 years upwards, in the years 1897-1901 and in 1902:—

		35—	45—	55—	65—	75 and upwards.
Both Sexes.	England & Wales. { Average ..	<b>648</b>	<b>1,911</b>	<b>3,943</b>	<b>6,144</b>	<b>6,918</b>
	{ 1902 .. ..	652	1,947	4,017	6,517	7,337
	Urban Counties. { Average ..	<b>705</b>	<b>2,072</b>	<b>4,144</b>	<b>6,164</b>	<b>6,729</b>
	{ 1902 .. ..	720	2,103	4,221	6,716	7,165
	Rural Counties. { Average ..	<b>575</b>	<b>1,654</b>	<b>3,692</b>	<b>6,120</b>	<b>6,768</b>
	{ 1902 .. ..	559	1,794	3,728	6,259	7,388
Males.	England & Wales. { Average ..	<b>400</b>	<b>1,392</b>	<b>3,522</b>	<b>5,949</b>	<b>6,639</b>
	{ 1902 .. ..	392	1,479	3,615	6,431	7,066
	Urban Counties. { Average ..	<b>439</b>	<b>1,510</b>	<b>3,751</b>	<b>5,964</b>	<b>6,273</b>
	{ 1902 .. ..	443	1,624	3,827	6,625	6,957
	Rural Counties. { Average ..	<b>361</b>	<b>1,239</b>	<b>3,256</b>	<b>5,953</b>	<b>6,863</b>
	{ 1902 .. ..	335	1,228	3,262	6,224	7,036
Females.	England & Wales. { Average ..	<b>880</b>	<b>2,391</b>	<b>4,311</b>	<b>6,300</b>	<b>7,116</b>
	{ 1902 .. ..	894	2,381	4,369	6,586	7,529
	Urban Counties. { Average ..	<b>958</b>	<b>2,599</b>	<b>4,487</b>	<b>6,318</b>	<b>7,029</b>
	{ 1902 .. ..	984	2,556	4,566	6,786	7,301
	Rural Counties. { Average ..	<b>769</b>	<b>2,025</b>	<b>4,072</b>	<b>6,259</b>	<b>6,696</b>
	{ 1902 .. ..	763	2,300	4,134	6,287	7,652

The preceding table indicates that the increase of cancer mortality in 1902, as compared with the previous quinquennial average, was greatest at the more advanced ages, both among men and among women. As far as can be judged from the figures, which at those very ages are least worthy of confidence, it would appear that among men the increase has been greater in the urban counties than in the rural, whereas among women the reverse has been the case.

**Diabetes Mellitus** was returned as the cause of 2,769 deaths in the year 1902, or 200 more than the annual average in the preceding decennium, corrected for increase of population. The sex and age distribution of mortality from this disease may be seen in the abstracts on pages 142-3. Among males at all ages, diabetes caused a mortality in 1902 at the rate of 92 per million, or 33 per cent. above the average rate in 1881-90. Among females the mortality was at the rate of 77 per million, or 71 per cent. above the average. Of the total deaths from diabetes at all ages, 1,899 or not less than 69 per cent. occurred at ages above 45 years.

As had been the case in the previous year, so in 1902 also, diabetes was more fatal in extra-metropolitan England than in London, the crude death-rates at all ages in these areas being 85 and 78 respectively per million living.

DISEASES OF SPECIAL ORGANS.

Of the total deaths in 1902 from definite causes other than violence, about 40 per cent. were referred to diseases of special organs or parts of the body, sometimes called Local Diseases. (Abstracts, pp. 136-137.)

**Convulsions.**—Among affections of the nervous system, the form most frequently recorded as the cause of death is convulsions, but the mortality attributed to this symptom is fortunately decreasing as years go on. In the year 1902 convulsions was returned as the cause of 16,554 deaths, or 3,583 fewer than the corrected average number in the preceding ten years. The mortality ascribed to this symptom is almost exclusively limited to young children, 99 per cent. of the total deaths thus returned being those of children who had not completed their fifth year of life. Among boys of the age 0-5 years, convulsions caused a mortality of 4.98, and among girls a mortality of 3.74 per thousand living, of the respective sexes.

**Meningitis.**—To this cause there were attributed in the year under notice 6,572 deaths, or 1,400 fewer than the corrected average number in the preceding decennium. This total includes 69 fatal cases that were certified as from "septic" or "infective" meningitis. The age and sex distribution of the last mentioned cases will be found in the supplementary table on pp. 152-3, and that of the first mentioned, in the abstracts immediately preceding that table. Meningitis, in common with convulsions, is exceedingly destructive at the earlier ages, not less than 65 per cent. of these

deaths being those of children under 5 years of age; it still continues to be more fatal to boys than to girls, the mortality at this age among the former being 1·24, and among the latter 1·02, per thousand living of these sexes respectively. If with the help of Table M. on page lxix the mortality in 1902 from meningitis and convulsions together be compared with the average rate in the previous quinquennium the reduction will be found to amount to 11·7 per cent.

**Softening of the Brain.**—According to the returns the mortality from this condition is steadily decreasing. Men succumb to it in greater proportion than do women, and the mortality to which it gives rise is mainly limited to ages beyond mid-life. Among males softening of the brain was fatal in the year under notice to 70 per million living of that sex, or 23 per million less than in the previous ten years on the average. Among females it was fatal to 56 per million, or 20 per million less than the average for that sex.

**Epilepsy.**—The decrease of mortality recorded in the report for 1901 has not been continued in the year under present notice: among males, indeed, a slight increase in the rate of mortality has taken place. The abstracts on pp. 144-5 show that this disease is fatal at all periods of life, and more fatal to males than to females. The mortality of both sexes increases steadily from the age of five years onwards.

**General Paralysis of the Insane.**—In the course of the year 1902 the deaths of 2,257 persons, namely, 1,681 males and 576 females, were attributed to this disease, which therefore caused a mortality equal to 105 per million living among the former sex and to 34 per million living among the latter. Previous to the year 1901 general paralysis had been grouped with "insanity" in the official tables, so that with respect to either of these diseases separately it is impossible to compare the mortality of current with that of earlier periods. As compared with 1901, however, there has been in the year under present notice a slight decrease in the male death-rate and a slight increase in the female death-rate from general paralysis of the insane. Although the mortality from this disease does not seem alarming when the rates at all ages are considered, a simple calculation, with the help of the abstracts on pp. 144-5, will show that the rate of death at certain ages is serious. The mortality in both sexes at ages before puberty is insignificant, but among men at the age 35-45 the disease is fatal in the proportion of 321 per million, and at the three subsequent age-groups in scarcely lower proportions. Among women the disease is generally less fatal, but at ages 35-45 they succumb to it at the rate of 72 per million, whilst at the later age-groups their mortality is higher than this.

**Locomotor Ataxy.**—In the year under notice 483 deaths were referred to this disease, against 409 in the previous year. Like the disease last mentioned locomotor ataxy is fatal mainly after the period of puberty, affecting men much more frequently than

women. This disease, however, was not separately abstracted before the year 1901; accordingly, as the annual deaths are still comparatively few in number, it will be necessary to await future returns in order to ascertain the true incidence of fatal cases on age and sex.

**Neuritis, Peripheral Poly-neuritis.**—According to the tables for 1902 only 351 deaths, namely, 128 of males and 223 of females, appear to have been caused by this disease; but inspection of the medical certificates in this office shows it to be of common occurrence among persons of intemperate habits. These terms are frequently employed in conjunction with hepatic cirrhosis to indicate the cause of death of persons described as chronic alcoholics, and in such cases alcoholism is tabulated in preference to peripheral neuritis as the cause of death. Special attention has been directed to this affection by the Royal Commission that recently reported on the prevalence of arsenical beer poisoning in Lancashire, a special form of peripheral neuritis having been very constantly observed among the sufferers in that county. Both in 1902 and in the immediately previous year this disease was nearly twice as fatal to women as to men.

**Tumour of the Brain,** not known to depend on specific disease, was the certified cause of 598 deaths in the year under notice, but in addition to these there were originally attributed to this affection 126 deaths that were found on enquiry to have resulted from definite forms of disease. Thus, of the 126 deaths last referred to, 81 were ascertained to be due to malignant disease, 18 to tuberculosis, and 17 to syphilis. In estimating the total mortality caused by tumour of the brain it is necessary to remember that whenever tumour of the brain is medically certified to be due either to cancer, to tubercle, or to syphilis, the death is classed, not to the local affection, but to the specific cause.

**Diseases of the Heart and of the Blood Vessels.**—Previous to the year 1901 no distinction was made in the official tables between diseases of the heart and diseases of the blood vessels, both groups of diseases having been included under the title "diseases of the organs of circulation." Table 18 on page xcvi shows that the average death-toll levied by these diseases in the aggregate has not greatly varied during the last quarter of a century; but that this statement is untrue respecting individual diseases in this category is shown by reference to the tables on pages cv., cxix., and cxxxiii. Inasmuch as lesions of the heart and of the blood vessels together contribute no less than 14 per cent. to the mortality from all causes, they are evidently of considerable statistical importance.

**Diseases of the Heart** appear, from the abstracts on pages 136-7, to have been responsible for the deaths of 48,195 persons in the year under notice, viz., of 22,966 males and 25,229 females. The age and sex distribution of the different forms of heart diseases is there shown. On reference to the tables 19-24 it will be seen that among heart diseases valvular lesions and endocarditis are now returned as causes of death in much larger proportion than formerly.

**Diseases of the Blood Vessels.**—Among affections of the blood vessels the form most frequently registered is cerebral hæmorrhage, the mortality attributed to which disease, or to its symptom apoplexy, being equal to a rate of 721 per million of the population. Among males the rate was equal to 681, and among females to 758 per million living, of these sexes respectively. Among other diseases of the blood vessels a certain proportion of the deaths from thrombosis and from phlebitis are now being returned as "infective" or "septic." (See supplementary table, pages 152-3.) Previous to the year 1901 the deaths from cerebral hæmorrhage and from apoplexy were abstracted together, so that for purposes of comparison the deaths in subsequent years must be similarly treated. According to the tables the mortality in England and Wales from apoplexy would appear to be decreasing; but the medical certificates show that many deaths which in earlier years would have been referred to apoplexy without further remark are now more correctly assigned to the diseases of the blood vessels, of the kidneys, or of other organs which are associated with that condition. The reduction under the head of apoplexy is thus probably only apparent.

**Bronchitis.**—This disease claims special prominence because of the large proportion which it contributes to the death-roll. In the year under notice one death in every twelve was attributed to bronchitis. The death-rate from this disease, which affects both sexes almost equally, has decreased considerably in recent years. Bronchitis is excessively fatal at both extremes of life. At ages under five years\* it causes an average mortality equal to 5.15 per 1,000 living at that age. It is least fatal during adolescence in both sexes, but from the age 35 onwards it again becomes increasingly fatal as one ætal period succeeds another, until at the higher ages it forms a conspicuous element in the general death-rate.

**Pleurisy.**—To this cause 1,358 deaths were referred in the year 1902: the mortality from pleurisy was below the average, but as compared with earlier years an increasing proportion of these cases were returned as tuberculous, and also an increasing proportion as septic in their nature. The age and sex distribution of the deaths from pleurisy will be found in the abstracts at pages 146-7, and that of the cases considered infective, in the supplementary table at pages 152-3. The deaths medically referred to tuberculous pleurisy are of course classified accordingly.

**Gastric Ulcer** was assigned as the cause of 1,681 deaths in the year 1902, not fewer than 1,167 of which were those of females. Among males the death-rate from this affection was equal to 32 per million living, and among females to a rate of 68 per million, the corresponding rates for the preceding year having been 30 and 63 per million respectively. As had been the case in 1901, the deaths from gastric ulcer in the year under notice were relatively most numerous during the reproductive period of life, and in that

\* For figures showing the mortality from bronchitis among young children, see tables on page lxix.

period much more numerous among women than among men. The abstracts on pages 146-7 and 164-5 show the sex and age distribution of the fatal cases of this affection both for England and Wales as a whole and for London. Gastric ulcer was separately abstracted as a cause of death for the first time in 1901. In previous years the deaths from this affection had been included either under the head of "diseases of the stomach," or under that of "peritonitis." To the total of 1,681 deaths from gastric ulcer in the year under notice 111 were contributed as a result of medical enquiry—75 of these having been returned in the original certificates as from "peritonitis," and 23 as from "hæmatemesis."

**Appendicitis** was the certified cause of the deaths of 901 males and 584 females—together 1,485 persons, in the year 1902, as compared with 1,244 in the year immediately preceding. Among males the death-rate from this disease was equal to 56 per million living and among females to 34 per million, the rates in the previous year having been 47 and 30 per million respectively. The distribution of mortality from appendicitis will be found in the abstracts on pages 146-7 and 164-5, both for England and Wales as a whole and for London. Appendicitis was abstracted as a separate cause of death for the first time in 1901, previous to which year the deaths certified as from this cause were classed under the head of enteritis. There is little doubt that in past years many of the deaths registered as from peritonitis were really due to appendicitis. In compiling the tables for the year under present notice 154 deaths were contributed to the total of 1,485 deaths from this disease, as a result of medical enquiry, these 154 deaths having been originally certified as from peritonitis.

**Other Diseases of the Digestive System.**—Among the remaining diseases of the digestive system *peritonitis* (of unknown origin) still appears as the cause of a considerable number of deaths, both among males and among females. As the result of medical enquiry 613 of the deaths originally returned as from peritonitis were referred to other and more definite causes, so that only 1,115 remain in the abstracts as from "peritonitis," of which 48 were certified as septic or infective (see supplementary table pages 152-3). The death-rate from this condition in the year under notice was 34 per million and was the lowest since 1875 both among males and among females: it must, however, be borne in mind that in that year, and for some years later, peritonitis was probably returned as the cause of many deaths which would now be referred to appendicitis or to certain other diseases for which separate lines are provided in the new list. This will explain some of the reduction in the proportion of deaths now appearing in the tables under the head of peritonitis. In the interest of medical science it is desirable that whenever peritonitis is due either to appendicitis, to metritis (puerperal or otherwise), to hernia, or to perforation of the stomach or bowel, the circumstance should be mentioned in the certificate. Reference has already been made (page lvi) to the 4,066 deaths registered in 1902 as due to cirrhosis of the liver; but

Table 19 shows that in addition to these there were returned among affections of the digestive system 2,464 deaths from other diseases of the liver, 4,742 deaths from non-malignant diseases of the stomach other than ulcer, 4,188 deaths from enteritis (not stated to be infective), 2,188 deaths from gastro-enteritis, 1,513 from hernia, and 2,445 deaths from other forms of intestinal obstruction. Table 20 shows that, with the single exception of hernia, under every one of the headings in this paragraph the mortality in 1902 was below that of the preceding year—in most cases very considerably so. Among the residue of diseases of the digestive system 416 deaths were referred to tonsillitis and 580 to pharyngitis, 66 and 32 respectively of which deaths were certified as “infective” or “septic.” It is uncertain how many of these deaths were really due to diphtheria.

**Acute Nephritis, and Chronic Nephritis** or Bright's disease together accounted for the deaths of 6,632 males and of 5,580 females: these 12,212 deaths, were equal to a mortality of 370 per million living of both sexes, as compared with 359 the mean rate obtaining in the previous ten years. Nephritis, acute as well as chronic, is generally more fatal to the male than to the female sex, the death-rates in the year under notice being 415 and 327 per million respectively. The above total includes 15 deaths, viz., 11 of males and 4 of females that were referred to septic nephritis—the ages of these latter appearing under the title “infective disease of the kidneys” in the supplementary table on pages 152-3. Both forms of nephritis have increased rapidly in fatality in the course of the last quarter of a century. The following figures, relating to acute as well as chronic nephritis, show this clearly. The figures represent corrected average death-rates at all ages per million living of each sex:—

Quinquennia.	Males.	Females.	Both Sexes.
1873-1877 ... ..	251	175	212
1898-1902 ... ..	427	336	380

Among other diseases of the urinary system, diseases of the bladder accounted for the deaths of 2,201 males and of 235 females, together 2,436 persons, corresponding to a mortality of 74 per million living, as compared with 72, the average rate in the previous decennium. In the year under notice the mortality of males from diseases of the bladder was much higher than that of females.

**Ovarian and Uterine Tumours.**—Among diseases of the female generative organs there were returned in the year under notice 1,060 deaths from non-malignant tumours and other affections of the ovaries and uterus. Taken together these deaths correspond to a rate of 63 per million females living at all ages,—the rate in

the previous decennium having averaged 72. In addition to the above there were registered in the same year 286 deaths from cancer of the ovaries, and 3,928 deaths from uterine cancer. The age distribution of the latter fatal cases may be seen on reference to Table K, page lix, and that of the former on reference to the general abstracts on page 149.

**Diseases or Accidents of Pregnancy or of Childbirth.**—In the year under notice 2,202 deaths were referred to non-infective diseases or accidents of pregnancy or of childbirth. These deaths, together with those from puerperal infective or septic processes (referred to at page xlix), were in the proportion of 4.47 per 1000 births. In the ten years immediately preceding the proportion had averaged 5.04 per 1000. Of these 2,202 deaths 124 were complicated,\* the complicating cause being in 7 cases meningitis, in 3 cases epilepsy, in 41 cases heart or blood vessel disease, in 17 cases bronchitis, in 9 cases pleurisy, in 15 cases diseases of the digestive organs, in 21 cases urinary diseases, and in 5 cases non-malignant diseases of the ovary or uterus. Table I, on page 1, gives full particulars of deaths from diseases or accidents of childbirth, and from puerperal septic affections; it also gives particulars of 1,384 other deaths that were returned as being associated with pregnancy or childbirth. If the mortality be computed from all causes whatever in connection with childbirth, the proportion will be raised from 4.47 to 5.94 per 1000 births. Reference to this table shows that of the 5,589 deaths there enumerated, 5,521 occurred at ages from 15 to 45 years. If these deaths be calculated on the number of women living within the same age limits, they will be equal to the proportion of 670 per million. There is reason to doubt whether the returns concerning deaths incidental to parturition are even yet complete, although it is certain that much greater care than formerly is now shown by medical men in certifying the causes of such deaths. It is hoped that medical attendants will make it an invariable rule to mention in their certificates the fact of childbirth whenever it is associated with the fatal illness.

#### Causes of Mortality among Infants and Young Children.

The mortality occurring in the earliest years of life has always been regarded as a valuable test of the health of communities; and for this reason it has been thought well to give prominence in our successive reports to the local incidence of the chief causes of that mortality. Accordingly, on pages cxlviii and cxlix are printed two tables arranged to show the mortality from those diseases that are especially fatal to young children. Both these tables relate to the year 1902. In Table 30 the mortality of infants that had not attained their first birthday is shown in terms of registered births, and in Table 31 the mortality of children under five years

\* These complicating causes have been classed to other diseases or accidents of childbirth.

TABLE L.—INFANTILE MORTALITY.—DEATHS under ONE YEAR of AGE per 1,000 BIRTHS.

Averages, 1897-1901.

		All Causes.	Measles.	Whooping-Cough.	Diarrheal Diseases.	Tuberculous Diseases.	Meningitis and Con- vulsions.	Pneumonia.	Bronchitis.	Wasting Diseases.
Both Sexes.	England and Wales ..	157	3	5	36	7	20	10	14	45
	Urban Counties ..	170	4	6	41	8	21	12	15	45
	Rural Counties ..	128	2	6	20	5	18	8	12	43
Boys.	England and Wales ..	171	3	5	38	8	22	11	16	49
	Urban Counties ..	186	4	5	43	9	24	13	17	50
	Rural Counties ..	142	2	5	22	5	21	9	13	48
Girls.	England and Wales ..	142	3	5	33	6	17	9	13	40
	Urban Counties ..	155	3	6	39	7	19	10	14	41
	Rural Counties ..	113	2	6	18	4	16	7	10	38

Year 1902.

		All Causes.	Measles.	Whooping-Cough.	Diarrheal Diseases.	Tuberculous Diseases.	Meningitis and Con- vulsions.	Pneumonia.	Bronchitis.	Wasting Diseases.
Both Sexes.	England and Wales ..	133	3	5	17	6	18	12	13	44
	Urban Counties ..	143	4	5	20	6	19	14	14	45
	Rural Counties ..	118	3	6	10	4	17	10	11	43
Boys.	England and Wales ..	147	4	5	19	6	20	14	14	49
	Urban Counties ..	158	4	5	22	7	21	15	15	50
	Rural Counties ..	133	3	5	11	5	19	12	12	48
Girls.	England and Wales ..	118	3	5	15	5	15	11	11	39
	Urban Counties ..	127	3	5	18	6	17	12	12	39
	Rural Counties ..	103	2	6	9	3	14	8	10	38

TABLE M.—MORTALITY among CHILDREN 0-5 YEARS of AGE.—RATE per 1,000 LIVING.

Averages, 1897-1901.

		All Causes.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrheal Diseases.	Tuberculous Diseases.	Meningitis and Con- vulsions.	Pneumonia.	Bronchitis.
Both Sexes.	England and Wales ..	57'03	2'92	0'68	2'81	1'64	10'73	3'57	6'22	5'13	5'15
	Urban Counties ..	65'40	3'73	0'90	3'12	1'98	12'83	4'10	7'01	6'22	5'72
	Rural Counties ..	41'04	1'36	0'29	2'33	1'01	5'47	2'26	5'16	3'36	3'95
Boys.	England and Wales ..	61'96	3'04	0'70	2'55	1'68	11'50	3'95	6'99	5'62	5'62
	Urban Counties ..	70'84	3'88	0'92	2'81	2'00	13'68	4'54	7'92	6'80	6'24
	Rural Counties ..	45'44	1'43	0'31	2'19	1'03	6'13	2'47	5'91	3'79	4'34
Girls.	England and Wales ..	52'13	2'80	0'67	3'07	1'60	9'95	3'20	5'44	4'64	4'68
	Urban Counties ..	60'01	3'58	0'88	3'42	1'95	11'99	3'66	6'11	5'64	5'21
	Rural Counties ..	36'65	1'30	0'27	2'48	0'99	4'81	2'04	4'42	2'93	3'56

Year 1902.

		All Causes.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrheal Diseases.	Tuberculous Diseases.	Meningitis and Con- vulsions.	Pneumonia.	Bronchitis.
Both Sexes.	England and Wales ..	49'07	3'20	0'78	2'53	1'40	5'12	3'06	5'49	5'86	4'41
	Urban Counties ..	55'50	3'96	1'03	2'74	1'61	6'21	3'47	6'14	6'93	4'91
	Rural Counties ..	37'73	2'09	0'38	2'29	0'89	2'75	2'05	4'67	4'00	3'50
Boys.	England and Wales ..	53'67	3'31	0'80	2'32	1'42	5'64	3'31	6'23	6'48	4'80
	Urban Counties ..	60'63	4'12	1'00	2'50	1'63	6'79	3'73	6'93	7'61	5'33
	Rural Counties ..	41'76	2'15	0'37	2'15	0'93	3'17	2'29	5'44	4'62	3'74
Girls.	England and Wales ..	44'50	3'09	0'75	2'74	1'37	4'60	2'82	4'75	5'25	4'03
	Urban Counties ..	50'39	3'80	1'00	2'97	1'59	5'63	3'21	5'36	6'26	4'50
	Rural Counties ..	33'71	2'03	0'39	2'43	0'86	2'34	1'81	3'91	3'38	3'25

old is given as a proportion of the population estimated to be living at that age in the middle of the year. The tables referred to have been prepared in order to indicate the relative mortality from several causes in each of the counties of England and Wales. The deaths of infants under 1 year of age from all causes were in the proportion of 133 per 1000 births, against 163, 154, and 151 respectively in the previous three years, and an average proportion of 154 in the decennial period 1892-1901. Among registration areas infantile mortality ranged from 71 per 1,000 births in the county of Rutland, 82 in Westmorland, 87 in Dorset, 92 in Hertford, and 94 in Huntingdon, to 143 in Stafford, 144 in the West Riding of York, 146 in South Wales, 147 in Nottingham, and 150 in Lancaster. In Table 31, which gives the mortality at ages under five years, it is shown generally that the counties which experienced either the highest or the lowest *infantile death-rates* are also among the counties with the highest or the lowest *death-rates under the age of five years*.

On examining the local distribution of mortality it appears that the period of infancy is peculiarly sensitive to the evil influences of town life. In order to make this clear, Tables L and M have been prepared in which a selection from among the English counties has been arranged in two groups, according to the character of the several populations.\* In both these tables will be found, not only the mortality among boys and girls in the year 1902, but also the average mortality in the preceding five years.

Table L shows that among infants of both sexes under one year of age, English mortality from all causes averaged 157 per 1000 births in the quinquennium 1897-1901. Among boys, the rate averaged 171 per 1000 and among girls 142 per 1000. Taking both sexes together it is found that in the same period, out of every thousand children born in the urban counties 170 died, and only 128 in the rural. Among the several causes of death the most fatal are "Wasting diseases,"† which cause an average mortality of 43 in the country and 45 in the town, diarrhoeal diseases a mortality of 20 and 41 respectively, meningitis and convulsions a mortality of 18 and 21, and bronchitis a mortality of 12 and 15. The lower portion of the table shows that, as compared with the average of the previous five years, there was in the year 1902 a reduction in infantile mortality from "all causes," and this is mainly due to the decreased prevalence of "diarrhoeal diseases."‡

Table M, which gives the mortality from various causes among children under 5 years, shows that at this age also a similar rule obtains, and that in the urban group of counties young children die much more rapidly than in the rural. Taking the average

\* The composition of these county groups is shown at page xxxv.

† *Wasting diseases* are here held to include Premature Birth, Congenital defects, Injury at Birth, Atelectasis, and Atrophy, but not *Tabes Mesenterica* which is at present included among tuberculous diseases.

‡ *Diarrhoeal diseases* include Epidemic Diarrhoea, Infective Enteritis, Ill-defined Diarrhoea, Gastric Catarrh, Other diseases of the Stomach (mainly Gastritis), Enteritis, and Gastro Enteritis.

rates for 1897-1901, in the upper part of the table, we find that whilst *among boys* at this age in the urban counties the mortality from all causes is 70·8 per 1000, in the rural counties the rate does not exceed 45·4 per 1000. Again, *among girls*, the rate in the urban counties is 60·0 per 1000, and only 36·7 in the rural. A similar disparity exists in the mortality from various causes. The table shows that under every one of the nine headings the mortality of young children is very much greater in the towns than in the country. Among the causes that contribute to the mortality at this age diarrhoeal diseases occupy the chief place. As in early infancy, so also here, bronchitis, pneumonia, and meningitis are still prominent causes of death, whilst "tuberculous diseases"\* account for a large proportion of the aggregate death-toll. At this age, diphtheria and scarlet fever are much more important elements in the death-rate than is the case amongst infants under the age of one year; it will be noted that the former disease is more than twice as fatal as the latter, and further that both diseases are much more destructive in the towns than in the country.

#### Ill-defined or Not Specified Causes of Death.

In the year 1902 the deaths of 50,170 persons were attributed to causes that are practically useless for purposes of classification. Ill-defined deaths would have appeared in larger proportions than at present had it not been for the enquiries which are systematically issued from this Office to medical practitioners respecting deaths certified as due to tumour, dropsy, hæmorrhage, and certain other indefinite conditions. In the course of the year, 4,706 answers to letters of enquiry were received at this Office. The 1,007 enquiries relating to deaths from peritonitis resulted in the transference of 52 deaths to puerperal septicæmia, 100 to tuberculous peritonitis, 3 to carcinoma, 2 to sarcoma, 15 to "cancer," 36 to generative diseases, 75 to gastric ulcer, 154 to appendicitis, 95 to other specified diseases of the stomach and intestines, and 81 to other definite causes. The 565 enquiries regarding tumours of various organs led to the transference of 35 deaths to carcinoma, 105 to sarcoma, 154 to "cancer," 18 to syphilis, 19 to tuberculosis, 20 to ovarian and uterine diseases, and 24 to other definite causes. The 427 enquiries concerning deaths referred to septicæmia, pyæmia, and other septic diseases, resulted in the transference of 80 deaths to puerperal septic conditions, 8 to venereal diseases, 4 to intemperance, 85 to infective diseases of special organs, 2 to violence, and 85 to other specified causes. The 340 enquiries relating to paralysis resulted in the transference of 184 deaths to cerebral hæmorrhage, 99 to diseases of the spinal cord, 10 to intemperance, and 35 to other specified causes. The 312 enquiries concerning hydrocephalus resulted in the addition of 95 deaths to tuberculous meningitis, and of 175 to congenital defects. The enquiries relating to cerebro-spinal

\* *Tuberculous diseases* include all forms of Tuberculosis infection given in the official tables.

meningitis numbered 201; they resulted in the transference of 44 deaths to cerebro-spinal fever, 30 to tuberculous meningitis, and 13 to other specified causes. The 153 enquiries concerning strictures of the œsophagus and pylorus led to the addition of 17 deaths to carcinoma, and 81 deaths to "cancer." The 67 replies to enquiries relating to membranous laryngitis resulted in the transference of 45 deaths to diphtheria. The total additions to the undermentioned headings that resulted from the enquiries were as follows:—To malignant disease 448, to puerperal septic diseases 153, to venereal diseases 56, to intemperance 82, to tuberculous diseases 367, to gastric ulcer 111, and to appendicitis 165. In 11 instances the condition stated in the certificate was found to be due to violence, whilst in 16 other instances, in which such indefinite terms as "fracture," injury, &c., had been inserted in the certificate, the deaths were ultimately classed in accordance with the nature of the injury.

#### Violence.

During the year under notice 15,796 persons (10,948 males and 4,848 females) met their death through accident or negligence, their mortality being equal to an annual rate of 480 per million living. Among males the rate was equal to 686 per million, and among females to 285 per million. The deaths of males exceeded those of females under each heading, except that of "burns and scalds." The deaths of 2,460 men and of 807 women were attributed to *suicide*: these figures, in both cases, exceed the average, after correction for increase of population. To *homicide* 131 males and 166 females fell victims, the number of males being below, and the number of females above, the corrected average. Of the deaths by homicide 181 were returned by the coroners' juries as *murder*. There were 22 executions (all of males) during the year under notice, the numbers in the preceding three years having been 15, 14, and 15 respectively.

Having now completed my remarks on the causes of mortality in England and Wales in the year 1902, I beg leave to submit them, through you, for the information of students of vital statistics. It is your privilege to record for the year under present review a rate of mortality which is lower than that of any previous year since the establishment of Civil Registration. Congratulating you sincerely on this circumstance,

I am, Sir,

Your obedient Servant,

JOHN TATHAM.

WILLIAM COSPATRICK DUNBAR, ESQ., C.B.

*Registrar-General.*

## METEOROLOGY OF THE YEAR 1902.

### REMARKS ON THE CONSPICUOUS METEOROLOGICAL OCCURRENCES IN THE BRITISH ISLES IN 1902.

(Prepared under the direction of the Meteorological Council,  
by W. N. Shaw, Esq., Sc.D., F.R.S., Secretary.)

The following were the more striking features in the weather of 1902, noticed in connection with the issue of daily and weekly reports.

1. *Gales.*—The number of gales reported was equal to the average of previous years, but the storms were seldom of much severity, and in many instances they affected only a limited portion of our coasts. December was the stormiest month, with a total of nine gales, five of which were general, and in places rather severe. In the spring, summer, and early autumn there was an unusual absence of stormy weather. The principal gales occurred:—

- (a.) On January 25th–26th, when a gale from North and North-West, blowing on all coasts, attained great severity in the extreme North and North-West.
- (b.) On October 15th–16th, when a gale from between South and West swept over the whole kingdom, and blew with considerable violence on our Western coasts.
- (c.) On November 8th–9th, a storm in which the cyclonic circulation was fairly complete, and which attained great severity from the Westward on exposed parts of our Western and Southern coasts.
- (d.) A series of three gales which occurred between December 14th and 18th, the first two being from the South-Westward and the third from the North-Westward. Each of these gales was severe at most places in the West.
- (e.) On December 25th, when a gale from the Westward blew with great severity in Scotland and the North-East of England.
- (f.) On December 27th–28th, the gale being again from West, and severe at many places in the West and North.

*Heavy Rains.*—In the summer months heavy falls of rain were somewhat frequent, the phenomena being accompanied in many cases by thunderstorms of greater or less severity. The principal and most general falls occurred:—

- (a.) On June 13th, in the South and South-East of England. More than an inch was recorded in several places, and

as much as 1·2 inch in London and at Arlington, and 1·4 inch at Felixstowe and Swarraton.

- (b.) On July 25th in the Western, and on July 26th in the Northern parts of the United Kingdom. On the former day more than an inch fell in several places, the downpour being heaviest in and around Dublin, where the amount ranged from 1·8 inch at Dundrum to 2·4 inches at Fassaroe (Bray). On the latter day amounts slightly exceeding an inch were recorded in the South of Scotland and the extreme Northern parts of England and Ireland.
- (c.) On August 6th and 7th, in many parts of England and Ireland, the falls being attended in most cases by thunderstorms. On the 6th more than an inch was registered at some of the Irish stations and as much as 1·6 inch at Hillington (Norfolk). On the following day heavy falls were more general, the largest reported being 1·5 inch at Yarmouth.
- (d.) On September 2nd in the Western, and on September 3rd in the Northern parts of the Kingdom. On the former day the fall was heaviest in Ireland, more than two inches being recorded at many stations (the neighbourhood of Dublin being again seriously affected, as on July 25th). At Kingstown the amount registered was as much as 2·8 inches, and at Greystones (co. Wicklow) 2·9 inches, while at Carrick-on-Suir it was no less than 3·6 inches. On September 3rd considerably more than an inch fell in many parts of Scotland, and as much as 2·3 inches at Glencarron.
- (e.) On September 10th over the Eastern, Central and Southern parts of England, when 1·8 inch fell at Felixstowe and 1·0 inch at Hereford (the newspapers reported a fall of 3·5 inches at Hampton, Middlesex). A disastrous hailstorm occurred on the same day in Mid-Kent and caused an immense amount of damage in the orchards and hop-gardens.

The *Winter* rains were often heavy in the West and North, but in the earlier months, individual large amounts were experienced only in localities in which such occurrences are too common to excite any serious notice. During the concluding quarter of the year heavy falls were recorded over a wider area, the most important cases being:—

- (a.) On October 9th and again on October 13th, when many parts of England were affected. On the former date 1·3 inch was registered at Hereford, while on the latter date a similarly large quantity was collected at Llandovery and Arlington.
- (b.) On October 14th and 15th in the West and North of Scotland, the aggregate for the two days being as large as 3·8 inches at Glencarron and 2·4 inches at Stornoway.

- (c.) On November 27th in the South-West of England, and on the following day in the Northern and Central parts of Great Britain, the fall on the latter occasion amounting to 1·4 inch at Cally (Gatehouse).
- (d.) On December 1st and 2nd over the Northern parts of the Kingdom generally, the aggregate for the two days being as much as 2·3 inches at Ochtertyre and 2·0 inches at Alnwick Castle.
- (e.) On December 14th and 15th in the West and North. On the latter day the amount at Laudale was 2·0 inches.
- (f.) Between December 25th and 27th chiefly in Scotland. At Glencarron 2·5 inches fell on Christmas Day, and 1·7 inch on December 27th.

*Snowstorms.*—Although snow showers were frequent in the earlier months, and were observed in many of the Northern and Eastern districts even as late as the middle of May, the actual quantity was seldom large, the depth to which the country was covered at some stations in the North being due simply to the cumulative effect of frequent slight falls. Between February 3rd and 8th, however, some rather heavy storms occurred, especially over the Northern half of the Kingdom. At Armagh the fall on the 7th was sufficiently heavy to yield 1·0 inch of water in the rain gauge, and at Donaghadee on the same day 0·9 inch was measured. On December 4th some of our Eastern and South-Eastern districts were similarly visited, the fall at Dungeness being one foot deep and yielding 0·7 inch of water in the gauge.

*Thunderstorms.*—In a changeable summer such as that of 1902, thunderstorms were naturally very frequent. The most general cases occurred:—

- (a.) Between June 14th and 16th, and again on the 29th of that month, when the greater part of England was affected.
- (b.) On July 10th, again over nearly the whole of England.
- (c.) On August 6th and on August 16th and 17th in most parts of England and Wales and on August 20th at very many places in nearly all parts of Great Britain.

Apart from the summer months sharp storms were experienced over the Eastern, Central, and Southern parts of England on October 14th (an earthquake shock being reported on the same day at Laudale); while thunder and lightning were observed in many parts of the United Kingdom on December 28th.

*Droughts.*—Although the year was essentially a dry one it was distinguished by an almost entire absence of long periods of rainless weather. In London the longest did not last for more than 10 days, and occurred in each of the two winter months January and November. In only one other year of the past 31 (*viz.*, 1897) was the absence of drought in the metropolis so marked. Over the United Kingdom generally the only drought worthy of



mention occurred between the end of September and the middle of October, when a few isolated stations in Ireland and Scotland recorded no rain for periods varying between 16 and 18 days.

*Temperature.*—The *highest* temperatures of the year occurred generally towards the close of June, during a week's interval of brilliant weather in the midst of a cool, wet summer. Maxima of  $80^{\circ}$  and upwards were registered at a large number of stations. In Scotland  $83^{\circ}$  was reached at Nairn on the 27th, and at Laudale on the 28th; and  $84^{\circ}$  at Fort Augustus on the 25th. In Ireland the 28th and 29th were the warmest days,  $82^{\circ}$  being registered at Foynes and Killarney on the latter date. Along the shores of Scotland and Ireland unusually high temperatures of the sea water were recorded by the coastguard about this time, Kirkwall rising to  $60^{\circ}$ , Stornoway to  $66^{\circ}$ , Liscannor to  $68^{\circ}$ , Teelin to  $70^{\circ}$ , and Blacksod Point to  $72^{\circ}$ . Over England the air temperatures were  $80^{\circ}$  and upwards at a large number of stations, and on the 28th Bawtry recorded  $86^{\circ}$ , Cambridge  $87^{\circ}$ , and Hereford  $90^{\circ}$ . During July and August there were very few eighties, and all of them in England. On July 14th Cambridge reported a maximum of  $86^{\circ}$ , and London  $87^{\circ}$ ; and on August 29th Bramley touched  $80^{\circ}$ , and Cambridge and London  $81^{\circ}$ . There were, however, many cold days in the summer months, with the thermometer failing to reach  $70^{\circ}$  in any part of the Kingdom, while maxima below  $55^{\circ}$  were rather numerous, and in the first half of June, and on a few occasions in July and August, they were as low as  $47^{\circ}$  to  $49^{\circ}$  at various stations in Scotland and the North of England. As a rule the five months April to August were cold.

The *lowest* temperatures of the year occurred at the end of January and in February, which was an extremely cold period. In Scotland Braemar indicated  $3^{\circ}$  on January 27th, and Lairg  $2^{\circ}$  on the 31st, but on February 14th the former station touched zero and Lairg  $2^{\circ}$  below zero. In Ireland Dublin (Phoenix Park) registered  $21^{\circ}$  on January 30th, and Edenfel the same value next morning, when Armagh went down to  $20^{\circ}$ . On February 12th Edenfel touched  $4^{\circ}$  and Markree Castle  $12^{\circ}$ , the latter reading being also the minimum at Birr Castle on the 15th. Over England there were very few temperatures below  $20^{\circ}$  during January, but between February 12th and 14th Loughborough, Prestwich and Stonyhurst recorded a minimum of  $9^{\circ}$ , Chester  $8^{\circ}$ , and Newton Reigny  $4^{\circ}$ .

A minimum of  $5^{\circ}$  was recorded in another screen at Stonyhurst on the same day.

The months of March, November and December were, in the main, very mild, and frosts of any great severity were almost wholly absent, but about December 7th temperature fell to  $16^{\circ}$  at Cambridge, Churchstoke, and Ochtertyre, and to  $14^{\circ}$  at Loughborough and Braemar. In many places the minima recorded during December were not lower than  $30^{\circ}$ ; at Sumburgh Head and Deerness only  $32^{\circ}$ .

*Fog.*—The principal fog of the year occurred at a somewhat unusual period—the first week of March—when most parts of England and Ireland, the adjacent seas and the neighbouring

parts of the Continent, from the Bay of Biscay to Denmark, were affected. At times it was very dense on the lower portion of the Irish Sea, and the navigation of the Mersey was suspended, while about the Thames Estuary and round to the Eastern half of the English Channel it was so exceptionally persistent as well as dense that vessels had to anchor for three or four days. Several shipping casualties resulted. As a rule the fogs experienced in other months were of a more local character and not of any great density.

*High Barometer Readings.*—In the month of January two anticyclones of unusual intensity visited our Islands. On the 12th an area of high pressure began to spread over from the North Westward, the evening values in Ireland and the West of Scotland exceeding  $30.1$  inches. By the morning of the 14th nearly the whole country had come within the central space of the system which now covered the Western half of Europe, with barometric values above  $30.6$  inches at the centre. Continuing to increase in intensity, the centre was found on the 15th to occupy the Western portion of the English Channel and the North-West of France, where the barometer had risen above  $30.9$  inches, the highest reading recorded at our own stations being  $30.94$  inches at Falmouth and Jersey, but there were higher values at the neighbouring French stations,  $30.96$  inches at Lorient and  $30.98$  inches at Brest. On the morning of the 16th there were still readings at a few of the North-Western French stations a little above  $30.9$  inches, but the barometer was now falling slowly, the centre of the system remaining all but stationary until the evening of the 22nd. It moved away rapidly to South-Eastern Europe next day.

This system did not produce any remarkable degree of cold during its passage from North to South across our Islands.

Towards the close of the month there was an unusually rapid change in the disposition of pressure over the country. On the morning of the 28th the central space of a depression, in which the barometer was at about 29 inches occupied the greater part of Ireland, the North of England and the South of Scotland. Travelling quickly Eastwards it disappeared over Russia on the 30th, an anticyclone appearing off our South-Western coasts, on the 29th, and developing at such a phenomenal rate, that by the morning of the 31st its centre was found extending from Scotland across to Norway, with the barometer above 31 inches, or 2 inches higher than it was in the same locality on the 28th. Throughout the day the centre remained stationary, but the barometer rose still higher, the area within which the readings were above 31 inches, embracing the whole of Scotland, Northumberland, the Northern half of Denmark and the South-West of Norway. At Aberdeen it had reached  $31.10$  inches at 11 a.m., and the increase continuing, the record at 10 p.m. was  $31.12$  inches, the reading at Nairn at this hour being  $31.10$  inches. At 2 p.m. Skudesnaes (Norway), at 8.25 p.m. Fort William, and at 9 p.m. Stratipeffer registered  $31.11$  inches. Having attained its maximum intensity at 10 p.m. pressure began to decrease slowly, and by midnight it was back to  $31.10$

inches at Aberdeen. The weather chart for 8 a.m. February 1st showed readings slightly in excess of 31 inches over Scotland and South-West Norway, 31.05 inches at Christiansund being the highest. After this the decline was maintained, the region of greatest pressure remaining over the British Isles until the evening of February 4th, when the barometric values were all below 30.2 inches. Next day the anticyclone was moving quickly Eastwards, and on the 7th disappeared across Southern Russia.

The Aberdeen maximum of 31.119 inches on January 31st proves to be slightly above the previous highest barometer value recorded in our Islands, 31.108 inches having been registered at Ochtertyre at 9 a.m. January 9th, 1896, a month in which, it is interesting to recall, there were also two anticyclones of abnormal intensity.

Unlike the anticyclone of the middle of January, 1902, the one of a fortnight later was characterised by very severe weather over our Islands, as will be gathered from the note on the year's temperature.

In continuation of the remarks given in previous annual reports the following notes refer exclusively to the stations the results from which are included in the tables already printed in the Quarterly Returns.

The highest temperatures of the air were at Hereford 89°.5; at Cambridge 88°.5; and at Carlisle 86°.7.

The lowest temperatures were at Carlisle and Stonyhurst 5°.0; at Barnet 7°.0; and at Llangammarch Wells 7°.6.

The heaviest falls of rain at any of the stations were at Llangammarch Wells 37.98 ins.; at Stonyhurst 36.72 ins.; and at Truro 36.10 ins.

The least falls of rain were at Cambridge 15.76 ins.; at Oxford 15.92 ins.; and at the Royal Observatory 19.34 ins.

The greatest number of days of rain were at Llandudno 233; at Llangammarch Wells 218; and at Carlisle 216.

The least number of days of rain were at Croydon 127; at Cambridge 139; and at Barnet, Oxford, and Portsmouth 149.

*Thunderstorms* occurred during the year on 40 days at the different stations; of these 10 were in June, 8 in May, 6 in August, 4 in July, 3 in both April and October, and 2 in each of the months March, September, and December.

*Thunder was heard but lightning was not seen* on 34 days; of these 9 were in May, 8 in June, 4 in each of the months July, August, and September, 2 in both March and April, and 1 in October.

*Lightning was seen but thunder was not heard* on 23 days; of these 5 were in May, 4 in June, 3 in both March and August, 2 in both November and December, and 1 in each of the months January, April, September, and October.

*Solar halos were seen* on 68 days; of these 15 were in April, 12 in March, 9 in May, 8 in June, 5 in both August and September, 4 in

July, 3 in both January and November, and 2 in both February and October.

*Lunar halos were seen* on 59 nights in the year; of these 12 were in April, 10 in September, 8 in November, 6 in both May and October, 5 in June, 4 in February, 3 in January, 2 in both March and December, and 1 in July.

*Snow fell* on 65 days; of these 15 were in February, 12 in both January and December, 9 in March, 7 in April, 6 in May, and 2 in both October and November.

*Hail fell* on 70 days; of these 14 were in both May and December, 8 in March, 7 in January, 6 in April, 5 in both February and October, 4 in both June and November, and 1 in each of the months July, August, and September.

*Fog prevailed* on 154 days; of these 26 were in November, 20 in October, 19 in February, 17 in March, 15 in December, 14 in April, 13 in September, 8 in January, 7 in June, 6 in both May and August, and 3 in July.

TABLE 1.—United Kingdom: Population of its several portions estimated of the Islands in the British Seas, and of the portions

YEAR.	UNITED KINGDOM. AREA 77,497,227 ACRES.			ENGLAND AND WALES. AREA 37,327,479 ACRES.		
	Persons.	Males.	Females.	Persons.	Males.	Females.
1853	27,542,588	13,441,288	14,101,300	18,404,368	9,010,866	9,393,502
1854	27,658,704	13,496,584	14,162,120	18,616,310	9,111,410	9,504,900
1855	27,821,730	13,574,202	14,247,528	18,829,000	9,211,528	9,617,472
1856	28,011,034	13,661,616	14,349,418	19,042,412	9,311,182	9,731,230
1857	28,188,280	13,739,458	14,448,822	19,256,516	9,410,334	9,846,182
1858	28,389,770	13,828,357	14,561,413	19,471,291	9,508,949	9,962,342
1859	28,590,224	13,915,802	14,674,422	19,686,701	9,606,982	10,079,719
1860	28,778,411	13,997,137	14,781,274	19,902,713	9,704,394	10,198,319
1861	28,977,133	14,086,431	14,890,702	20,119,314	9,801,152	10,318,162
1862	29,243,610	14,218,788	15,024,822	20,371,013	9,923,272	10,447,741
1863	29,470,969	14,329,606	15,141,363	20,625,855	10,046,909	10,578,946
1864	29,680,437	14,431,943	15,248,494	20,883,889	10,172,089	10,711,800
1865	29,925,177	14,552,746	15,372,431	21,145,151	10,298,826	10,846,325
1866	30,147,755	14,656,115	15,491,640	21,409,684	10,427,146	10,982,538
1867	30,409,132	14,781,924	15,627,208	21,677,525	10,557,066	11,120,459
1868	30,689,977	14,917,163	15,772,814	21,948,713	10,688,600	11,260,113
1869	30,978,278	15,056,678	15,921,600	22,223,299	10,821,775	11,401,524
1870	31,256,535	15,189,549	16,066,986	22,501,316	10,956,608	11,544,708
1871	31,555,694	15,331,177	16,224,517	22,788,594	11,092,620	11,695,974
1872	31,874,183	15,485,219	16,388,964	23,096,495	11,242,495	11,854,000
1873	32,177,550	15,630,140	16,547,410	23,408,556	11,394,394	12,014,162
1874	32,501,517	15,788,489	16,713,028	23,724,834	11,548,346	12,176,488
1875	32,838,758	15,957,608	16,881,150	24,045,385	11,704,378	12,341,007
1876	33,199,994	16,138,194	17,061,800	24,370,267	11,862,519	12,507,748
1877	33,575,941	16,325,250	17,250,691	24,699,539	12,022,796	12,676,743
1878	33,943,773	16,508,370	17,435,403	25,033,259	12,185,238	12,848,021
1879	34,302,557	16,687,367	17,615,190	25,371,489	12,349,875	13,021,614
1880	34,622,930	16,844,178	17,778,752	25,714,288	12,516,737	13,197,551
1881	34,934,476	16,995,577	17,938,899	26,046,142	12,673,435	13,372,707
1882	35,206,617	17,122,482	18,084,135	26,334,942	12,808,460	13,526,482
1883	35,449,721	17,237,225	18,212,496	26,626,949	12,944,923	13,682,026
1884	35,724,231	17,367,248	18,356,983	26,922,192	13,082,837	13,839,355
1885	36,015,601	17,505,358	18,510,243	27,220,706	13,222,216	13,998,490
1886	36,313,582	17,646,573	18,667,009	27,522,532	13,363,079	14,159,453
1887	36,599,143	17,780,591	18,818,552	27,827,706	13,505,441	14,322,265
1888	36,881,271	17,912,256	18,969,015	28,136,258	13,649,314	14,486,944
1889	37,178,929	18,052,088	19,126,841	28,448,239	13,794,721	14,653,518
1890	37,484,764	18,196,143	19,288,621	28,763,673	13,941,671	14,822,002
1891	37,802,440	18,346,840	19,455,600	29,085,819	14,092,535	14,993,284
1892	38,134,110	18,504,779	19,629,331	29,421,392	14,252,190	15,169,202
1893	38,490,333	18,674,558	19,815,775	29,760,842	14,413,657	15,347,185
1894	38,859,037	18,851,843	20,007,224	30,104,201	14,576,948	15,527,253
1895	39,221,109	19,027,140	20,193,969	30,451,528	14,742,091	15,709,437
1896	39,599,072	19,209,015	20,390,057	30,802,858	14,909,104	15,893,754
1897	39,987,294	19,396,275	20,591,019	31,158,245	15,078,010	16,080,235
1898	40,380,792	19,586,134	20,794,658	31,517,725	15,248,823	16,268,902
1899	40,774,296	19,774,970	20,999,326	31,881,365	15,421,578	16,459,787
1900	41,154,646	19,956,716	21,197,930	32,249,187	15,596,283	16,652,904
1901	41,550,773	20,147,648	21,403,125	32,621,263	15,773,062	16,848,201
1902	41,961,199	20,347,886	21,613,313	32,997,626	15,952,154	17,045,472

to the middle of each of the Years 1853-1902, exclusive of the Population of the Army, Navy, and Merchant Service Abroad.

YEAR.	SCOTLAND.* AREA 19,459,155 ACRES.			IRELAND.* AREA 20,710,593 ACRES.		
	Persons.	Males.	Females.	Persons.	Males.	Females.
1853	2,939,236	1,399,196	1,540,040	6,198,984	3,031,226	3,167,758
1854	2,959,211	1,408,246	1,550,965	6,083,183	2,976,928	3,106,255
1855	2,978,065	1,416,606	1,561,459	6,014,665	2,946,068	3,068,597
1856	2,995,771	1,424,261	1,571,510	5,972,851	2,926,173	3,046,678
1857	3,012,310	1,431,200	1,581,110	5,919,454	2,897,924	3,021,530
1858	3,027,665	1,437,414	1,590,251	5,890,814	2,881,994	3,008,820
1859	3,041,812	1,442,890	1,598,922	5,861,711	2,865,930	2,995,781
1860	3,054,738	1,447,622	1,607,116	5,820,960	2,845,121	2,975,839
1861	3,069,404	1,453,496	1,615,908	5,788,415	2,831,783	2,956,632
1862	3,097,009	1,468,180	1,628,829	5,775,588	2,827,336	2,948,252
1863	3,126,879	1,483,008	1,643,871	5,718,235	2,799,689	2,918,546
1864	3,156,021	1,497,988	1,658,033	5,640,527	2,761,866	2,878,661
1865	3,185,437	1,513,120	1,672,317	5,594,589	2,740,800	2,853,789
1866	3,215,129	1,528,404	1,686,725	5,522,942	2,700,565	2,822,377
1867	3,245,098	1,543,843	1,701,255	5,486,509	2,681,015	2,805,494
1868	3,275,350	1,559,438	1,715,912	5,465,914	2,669,125	2,796,789
1869	3,305,885	1,575,190	1,730,695	5,449,094	2,659,713	2,789,381
1870	3,336,707	1,591,101	1,745,606	5,418,512	2,641,840	2,776,672
1871	3,368,921	1,607,775	1,761,146	5,398,179	2,630,782	2,767,397
1872	3,404,798	1,626,461	1,778,337	5,372,890	2,616,263	2,756,627
1873	3,441,056	1,645,361	1,795,695	5,327,938	2,590,385	2,737,553
1874	3,477,704	1,664,480	1,813,224	5,298,979	2,575,663	2,723,316
1875	3,514,744	1,683,821	1,830,923	5,278,629	2,569,409	2,709,220
1876	3,552,183	1,703,388	1,848,795	5,277,544	2,572,287	2,705,257
1877	3,590,022	1,723,180	1,866,842	5,286,380	2,579,274	2,707,106
1878	3,628,268	1,743,204	1,885,064	5,282,246	2,579,928	2,702,318
1879	3,665,443	1,762,787	1,902,656	5,265,625	2,574,705	2,690,920
1880	3,705,994	1,783,950	1,922,044	5,202,648	2,543,491	2,659,157
1881	3,742,564	1,802,923	1,939,641	5,145,770	2,519,219	2,626,551
1882	3,770,657	1,816,785	1,953,872	5,101,018	2,497,237	2,603,781
1883	3,798,961	1,830,754	1,968,207	5,023,811	2,461,548	2,562,263
1884	3,827,478	1,844,830	1,982,648	4,974,561	2,439,581	2,534,980
1885	3,856,307	1,859,014	1,997,293	4,938,588	2,424,128	2,514,460
1886	3,885,155	1,873,308	2,011,847	4,905,895	2,410,186	2,495,709
1887	3,914,318	1,887,711	2,026,607	4,857,119	2,387,439	2,469,680
1888	3,943,701	1,902,225	2,041,476	4,801,312	2,360,717	2,440,595
1889	3,973,305	1,916,851	2,056,454	4,757,385	2,340,516	2,416,869
1890	4,003,132	1,931,589	2,071,543	4,717,959	2,322,883	2,395,076
1891	4,036,245	1,948,183	2,088,062	4,680,376	2,306,122	2,374,254
1892	4,078,910	1,970,197	2,108,713	4,633,808	2,282,392	2,351,416
1893	4,122,029	1,992,461	2,129,568	4,607,462	2,268,440	2,339,022
1894	4,165,606	2,014,976	2,150,630	4,589,260	2,259,919	2,329,341
1895	4,209,645	2,037,746	2,171,899	4,559,936	2,247,303	2,312,633
1896	4,254,153	2,060,773	2,193,380	4,542,061	2,239,138	2,302,923
1897	4,299,132	2,084,060	2,215,072	4,529,917	2,234,205	2,295,712
1898	4,344,589	2,107,610	2,236,979	4,518,478	2,229,701	2,288,777
1899	4,390,530	2,131,427	2,259,103	4,502,401	2,221,965	2,280,433
1900	4,436,958	2,155,512	2,281,446	4,488,501	2,204,921	2,263,580
1901	4,483,880	2,179,870	2,304,010	4,445,630	2,194,716	2,250,914
1902	4,531,299	2,204,503	2,326,796	4,432,274	2,191,229	2,241,045

\* The Estimates of Population for Scotland and Ireland have been supplied by the Registrars-General for those parts of the United Kingdom.

TABLE 2.—ENGLAND AND WALES.—Marriages, Births, and Deaths, 1853-1902.

YEAR.	MAR-RIAGES.	BIRTHS.					DEATHS.		
		Total.	Males.	Females.	Le-gitimate.	Ille-gitimate.	Persons.	Males.	Females.
1853	164,520	612,391	313,756	298,635	572,628	39,763	421,097	214,720	206,377
1854	159,727	634,405	324,069	310,336	593,664	40,741	437,905	222,422	215,483
1855	152,113	635,043	323,960	311,083	594,260	40,783	425,703	216,587	209,116
1856	159,337	657,453	335,541	321,912	614,802	42,651	390,506	198,875	191,631
1857	159,097	663,071	339,998	323,073	620,069	43,002	419,815	212,356	207,459
1858	156,070	655,481	334,989	320,492	612,176	43,305	449,656	227,220	222,436
1859	167,723	689,881	352,662	337,219	645,130	44,751	440,781	223,576	217,205
1860	170,156	684,048	349,799	334,249	640,355	43,693	422,721	215,238	207,483
1861	163,706	696,406	355,972	340,434	652,249	44,157	435,114	222,281	212,833
1862	164,030	712,684	363,534	349,150	667,462	45,222	436,566	222,622	213,944
1863	173,510	727,417	372,019	355,398	680,276	47,141	473,837	242,203	231,634
1864	180,387	740,275	377,719	362,556	692,827	47,448	495,531	253,619	241,912
1865	185,474	748,069	381,444	366,625	701,484	46,585	490,909	252,218	238,691
1866	187,776	753,870	384,955	368,915	708,369	45,501	500,689	256,402	244,287
1867	179,154	768,349	392,224	376,125	723,163	45,186	471,073	242,588	228,485
1868	176,962	786,858	400,383	386,475	740,520	46,338	480,622	247,107	233,515
1869	176,970	773,381	394,570	378,811	728,690	44,691	494,828	254,863	239,965
1870	181,655	792,787	404,305	388,482	748,050	44,737	515,329	265,586	249,743
1871	190,112	797,428	405,605	391,823	752,653	44,775	514,879	265,563	249,316
1872	201,267	825,907	421,307	404,600	781,141	44,766	492,265	255,135	237,130
1873	205,615	829,778	422,757	407,021	786,617	43,161	492,520	254,985	237,535
1874	202,010	854,956	435,179	419,777	811,853	43,103	526,632	272,178	254,454
1875	201,212	850,607	434,225	416,382	809,794	40,813	546,453	282,202	264,251
1876	201,874	887,968	452,278	435,690	846,374	41,594	510,315	265,076	245,239
1877	194,352	888,200	451,896	436,304	846,045	42,155	500,496	260,567	239,929
1878	190,054	891,906	455,048	436,858	849,806	42,100	539,872	278,772	261,100
1879	182,082	880,389	447,914	432,475	838,200	42,189	526,255	271,496	254,759
1880	191,965	881,643	448,709	432,934	839,101	42,542	528,024	273,442	255,182
1881	197,290	883,642	450,180	433,462	840,522	43,120	491,935	253,605	238,330
1882	204,405	889,014	452,752	436,262	845,859	43,155	516,654	265,767	250,887
1883	206,384	890,722	453,076	437,646	848,076	42,646	522,997	269,262	253,735
1884	204,301	906,750	462,481	444,269	864,083	42,667	530,828	273,522	257,306
1885	197,745	894,270	455,809	438,461	851,477	42,793	522,750	268,305	254,445
1886	196,071	903,760	460,368	443,392	860,922	42,838	537,276	275,874	261,402
1887	200,518	886,331	451,603	434,728	844,197	42,134	530,758	272,137	258,621
1888	203,821	879,868	447,172	432,696	839,138	40,730	510,971	263,294	247,677
1889	213,865	885,944	451,218	434,726	845,317	40,627	518,353	266,102	252,251
1890	223,028	869,937	442,070	427,867	831,525	38,412	562,248	290,448	271,800
1891	226,526	914,157	465,660	448,497	875,376	38,781	587,925	302,494	285,431
1892	227,135	897,957	456,622	441,335	860,376	37,581	559,684	286,062	273,622
1893	218,689	914,572	465,711	448,861	875,714	38,858	569,958	291,889	278,069
1894	226,449	890,289	453,016	437,273	851,946	38,343	498,827	256,015	242,812
1895	228,204	922,291	468,886	453,405	883,455	38,836	568,997	290,704	278,293
1896	242,764	915,331	465,660	449,671	876,602	38,729	526,727	270,575	256,152
1897	249,145	921,683	469,180	452,503	883,274	38,409	541,487	280,211	261,276
1898	255,379	923,165	468,920	454,245	884,832	38,333	552,141	283,981	268,160
1899	262,334	928,646	473,172	455,474	891,522	37,124	581,799	299,472	282,327
1900	257,480	927,062	471,044	456,018	890,248	36,814	587,830	303,823	284,007
1901	259,400	929,807	473,944	455,863	893,608	36,199	551,585	285,618	265,967
1902	261,750	940,509	479,144	461,365	903,835	36,674	535,538	277,216	258,322

TABLE 3.—ENGLAND AND WALES.—Annual Marriage-, Birth-, and Death-rates, 1853-1902.

YEAR.	MAR-RIAGES. Persons Married in 1000 Living.	BIRTHS.				DEATHS.				YEAR.	
		Births to 1000 living.			Illegi-timate Births in 1000 Births.	Deaths to 1000 living.			Deaths of Males to 1000 Deaths of Females, in equal Numbers Living.		
		Total.	Legi-timate.	Illegi-timate.		Persons.	Males.	Females.			
1853	17.9	33.3	31.1	2.2	65	1051	22.9	23.8	22.0	1085	1853
1854	17.2	34.1	31.9	2.2	64	1044	23.5	24.4	22.7	1077	1854
1855	16.2	33.7	31.5	2.2	64	1041	22.6	23.5	21.7	1081	1855
1856	16.7	34.4	32.2	2.2	65	1042	20.5	21.3	19.6	1085	1856
1857	16.5	34.4	32.2	2.2	65	1052	21.8	22.6	21.1	1071	1857
1858	16.0	33.7	31.5	2.2	66	1045	23.1	23.9	22.3	1070	1858
1859	17.0	35.0	32.7	2.3	65	1046	22.4	23.3	21.5	1080	1859
1860	17.1	34.3	32.1	2.2	64	1047	21.2	22.1	20.3	1090	1860
1861	16.3	34.6	32.4	2.2	63	1046	21.6	22.7	20.6	1099	1861
1862	16.1	35.0	32.8	2.2	63	1041	21.4	22.4	20.5	1095	1862
1863	16.8	35.3	33.0	2.3	65	1047	23.0	24.1	21.9	1101	1863
1864	17.2	35.4	33.1	2.3	64	1042	23.7	24.9	22.5	1104	1864
1865	17.5	35.4	33.2	2.2	62	1040	23.2	24.5	22.0	1113	1865
1866	17.5	35.2	33.1	2.1	60	1043	23.4	24.6	22.2	1106	1866
1867	16.5	35.4	33.3	2.1	59	1043	21.7	23.0	20.5	1118	1867
1868	16.1	35.8	33.7	2.1	59	1036	21.8	23.1	20.7	1115	1868
1869	15.9	34.8	32.8	2.0	58	1042	22.3	23.6	21.0	1119	1869
1870	16.1	35.2	33.2	2.0	56	1041	22.9	24.2	21.6	1121	1870
1871	16.7	35.0	33.0	2.0	56	1035	22.6	23.9	21.3	1123	1871
1872	17.4	35.6	33.7	1.9	54	1041	21.3	22.6	19.9	1134	1872
1873	17.6	35.4	33.6	1.8	52	1039	21.0	22.4	19.8	1132	1873
1874	17.0	36.0	34.2	1.8	50	1037	22.2	23.6	20.9	1128	1874
1875	16.7	35.4	33.7	1.7	48	1043	22.7	24.1	21.4	1126	1875
1876	16.5	36.3	34.6	1.7	47	1038	20.9	22.3	19.6	1140	1876
1877	15.7	36.0	34.3	1.7	47	1036	20.3	21.7	18.9	1145	1877
1878	15.2	35.6	33.9	1.7	47	1042	21.6	22.9	20.3	1126	1878
1879	14.4	34.7	33.0	1.7	48	1036	20.7	22.0	19.6	1124	1879
1880	14.9	34.2	32.6	1.6	48	1036	20.5	21.8	19.3	1130	1880
1881	15.1	33.9	32.2	1.7	49	1039	18.9	20.0	17.8	1123	1881
1882	15.5	33.8	32.2	1.6	49	1038	19.6	20.7	18.5	1119	1882
1883	15.5	33.5	31.9	1.6	48	1035	19.6	20.8	18.5	1122	1883
1884	15.1	33.6	32.0	1.6	47	1041	19.7	20.8	18.5	1125	1884
1885	14.5	32.9	31.3	1.6	48	1040	19.2	20.3	18.2	1116	1885
1886	14.2	32.8	31.2	1.6	47	1038	19.5	20.6	18.5	1119	1886
1887	14.4	31.9	30.4	1.5	48	1039	19.1	20.2	18.1	1116	1887
1888	14.4	31.2	29.8	1.4	46	1033	18.1	19.2	17.0	1128	1888
1889	15.0	31.1	29.7	1.4	46	1038	18.2	19.3	17.2	1121	1889
1890	15.5	30.2	28.9	1.3	44	1033	19.5	20.8	18.3	1136	1890
1891	15.6	31.4	30.1	1.3	42	1038	20.2	21.5	19.0	1128	1891
1892	15.4	30.4	29.1	1.3	42	1035	19.0	20.0	18.0	1113	1892
1893	14.7	30.7	29.4	1.3	42	1038	19.2	20.3	18.1	1118	1893
1894	15.0	29.6	28.3	1.3	43	1036	16.6	17.6	15.6	1123	1894
1895	15.0	30.3	29.0	1.3	42	1034	18.7	19.7	17.7	1113	1895
1896	15.7	29.6	28.3	1.3	42	1036	17.1	18.1	16.1	1126	1896
1897	16.0	29.6	28.4	1.2	42	1037	17.4	18.6	16.2	1143	1897
1898	16.2	29.3	28.1	1.2	42	1032	17.5	18.6	16.5	1130	1898
1899	16.5	29.1	27.9	1.2	40	1039	18.2	19.4	17.2	1132	1899
1900	16.0	28.7	27.6	1.1	40	1033	18.2	19.5	17.1	1142	1900
1901	15.9	28.5	27.4	1.1	39	1040	16.9	18.1	15.8	1147	1901
1902	15.9	28.5	27.4	1.1	39	1039	16.2	17.4	15.2	1147	1902

TABLE 4.—ENGLAND AND WALES.—Annual Marriage-, Birth-, and Death-rates, in Groups of Years, 1838-1902.

PERIOD.	MAR-RIAGES. Persons Married to 1000 Living.	BIRTHS.					DEATHS.			
		Births to 1000 Living.			Illegitimate Births in 1000 Births.	Births of Males to 1000 Births of Females.	Deaths to 1000 Living.			Deaths of Males to 1000 Deaths of Females, in equal Numbers Living.
		Total.	Legitimate.	Illegitimate.			Persons.	Males.	Females.	
1838-1902	16.0	33.0	31.4*	1.8*	54*	1042	20.9	22.0	19.9	1105
1841-50	16.1	32.6	—	—	—	1049	22.4	23.1	21.6	1070
1851-60	16.9	34.1	31.9	2.2	65	1046	22.2	23.1	21.4	1079
1861-70	16.6	35.2	33.0	2.2	61	1042	22.5	23.7	21.4	1109
1871-80	16.2	35.4	33.6	1.8	50	1038	21.4	22.7	20.1	1131
1881-90	14.9	32.5	31.0	1.5	47	1037	19.1	20.3	18.1	1123
1891-1900	15.6	29.9	28.6	1.3	42	1036	18.2	19.3	17.2	1127
1841-45	15.7	32.3	—	—	—	1052	21.4	22.2	20.6	1073
1846-50	16.5	32.8	30.6	2.2	67	1045	23.3	24.1	22.6	1067
1851-55	17.2	33.9	31.7	2.2	66	1046	22.7	23.5	21.8	1079
1856-60	16.7	34.4	32.2	2.2	65	1046	21.8	22.6	21.0	1079
1861-65	16.8	35.1	32.9	2.2	63	1043	22.6	23.7	21.5	1102
1866-70	16.4	35.3	33.2	2.1	58	1041	22.4	23.7	21.2	1116
1871-75	17.1	35.5	33.7	1.8	52	1039	22.0	23.3	20.7	1129
1876-80	15.3	35.4	33.7	1.7	47	1038	20.8	22.1	19.5	1133
1881-85	15.1	33.5	31.9	1.6	48	1039	19.4	20.5	18.3	1121
1886-90	14.7	31.4	30.0	1.4	46	1036	18.9	20.0	17.8	1124
1891-95	15.1	30.5	29.2	1.3	42	1036	18.7	19.8	17.7	1119
1896-1900	16.1	29.3	28.1	1.2	41	1035	17.7	18.8	16.6	1135

\* For the period 1845-1902 only.

TABLE 5.—ENGLAND AND WALES.—Annual Marriage-, Birth-, and Death-rates in each Quarter, in Groups of Years, 1838-1902, and of each Year, 1893-1902.

PERIOD.	PERSONS MARRIED TO 1000 LIVING.				BIRTHS TO 1000 LIVING.				DEATHS TO 1000 LIVING.			
	Quarter ended				Quarter ended				Quarter ended			
	March.	June.	Sept.	Dec.	March.	June.	Sept.	Dec.	March.	June.	Sept.	Dec.
1833-1902	13.0	16.4	15.8	18.8	34.2	34.0	32.2	31.8	23.3	20.5	19.2	20.6
1841-50	13.3	16.4	15.2	19.2	34.2	33.7	31.2	31.2	24.7	22.0	21.0	21.7
1851-60	14.1	17.1	16.3	20.1	35.8	35.5	32.8	32.5	24.7	22.1	20.3	21.9
1861-70	13.8	16.9	16.2	19.6	36.6	36.3	34.0	33.9	25.2	21.8	21.0	22.1
1871-80	13.4	16.5	15.8	19.2	36.6	36.1	34.6	34.5	23.7	20.9	19.6	21.3
1881-90	11.9	15.4	14.9	17.6	33.4	33.2	31.9	31.5	21.6	18.7	17.3	19.1
1891-1900	11.7	16.6	16.4	17.7	30.5	30.5	29.7	28.9	20.7	17.6	17.0	17.7
1893 ..	11.0	15.9	15.6	16.3	31.5	31.7	30.6	29.2	19.7	17.9	19.1	19.9
1894 ..	12.9	14.3	15.8	17.1	30.8	29.4	28.4	29.6	19.9	15.8	14.2	16.4
1895 ..	10.6	16.0	15.9	17.4	31.9	30.7	30.3	28.3	22.7	17.2	17.4	17.5
1896 ..	11.3	17.2	16.8	17.6	29.0	30.1	29.4	30.0	17.8	16.3	16.3	17.8
1897 ..	11.6	17.7	16.8	17.7	30.6	29.1	29.9	28.7	18.7	16.3	17.7	16.9
1898 ..	11.6	17.8	16.7	18.5	29.8	29.6	29.6	28.2	19.4	16.2	17.8	16.7
1899 ..	11.3	18.2	17.9	18.3	29.4	30.1	28.8	28.2	18.7	16.6	19.1	18.5
1900 ..	11.0	17.8	17.2	17.8	30.2	29.2	28.6	27.0	22.8	17.6	16.4	16.2
1901 ..	10.9	17.7	17.6	17.3	28.7	28.7	28.7	27.9	18.2	15.8	17.0	16.7
1902 ..	13.3	15.2	17.2	17.7	28.4	28.9	29.0	27.7	18.5	16.1	13.9	16.5

TABLE 6.—ENGLAND AND WALES.—Churches and Chapels of the Established Church, and other Registered Buildings for Solemnization of Marriage, 31st December, 1902.

REGISTRATION COUNTY.	ALL RELIGIOUS DENOMINATIONS.	ESTABLISHED CHURCH.	Other Religious Denominations.														
			ALL OTHER RELIGIOUS DENOMINATIONS.											Wesleyan Methodists.			
			Presbyterians.	Congregationalists.	Baptists.	Roman Catholics.	Unitarians.	Original Connexion.	New Connexion.	Primitive Methodists.	United Methodist Free Church.	Other Wesleyan Methodists.	Calvinistic Methodists.	Bible Christians.	Others.		
ENGLAND AND WALES	28,881	15,442	13,439	415	2645	2312	1149	181	2939	225	1258	576	60	720	172	787	
I.—LONDON.																	
London .. .. .	1348	622	726	46	154	160	85	16	98	5	36	23	1	9	5	88	
II.—SOUTH EASTERN.																	
Surrey .. .. .	466	247	219	10	51	55	21	2	40	—	12	3	—	—	—	25	
Kent .. .. .	819	503	316	8	66	88	28	3	70	—	20	2	—	—	—	17	
Sussex .. .. .	631	408	223	8	58	51	25	3	39	—	8	—	—	—	—	17	
Hampshire .. .. .	728	444	284	6	70	52	22	4	56	—	26	4	—	—	—	27	
Berkshire .. .. .	387	267	120	3	21	29	12	1	27	—	20	—	—	—	—	7	
III.—SOUTH MIDLAND.																	
Middlesex .. .. .	363	159	204	12	42	50	25	1	33	—	12	—	—	—	—	26	
Hertfordshire .. .. .	311	193	118	—	45	35	6	—	20	—	5	—	—	—	—	7	
Buckinghamshire .. .. .	301	197	104	—	22	38	4	—	19	—	13	—	—	—	—	8	
Oxfordshire .. .. .	360	266	84	1	20	25	10	—	27	—	5	—	—	—	—	3	
Northamptonshire .. .. .	484	318	166	—	40	58	7	—	37	—	10	—	—	—	—	4	
Huntingdonshire .. .. .	126	80	46	—	6	21	3	—	13	—	2	—	—	—	—	2	
Bedfordshire .. .. .	248	140	108	—	14	34	3	—	36	—	14	—	—	—	—	7	
Cambridgeshire .. .. .	315	195	120	1	21	45	5	—	24	—	16	—	—	—	—	3	
IV.—EASTERN.																	
Essex .. .. .	732	441	291	7	106	49	23	3	47	—	20	12	—	—	—	23	
Suffolk .. .. .	681	509	172	3	52	52	11	2	25	—	16	3	—	—	—	8	
Norfolk .. .. .	895	703	192	2	31	40	9	—	38	—	43	12	—	—	—	11	
V.—SOUTH WESTERN.																	
Wiltshire .. .. .	516	330	186	1	45	54	8	—	31	—	27	5	—	—	—	15	
Dorsetshire .. .. .	410	300	110	—	34	13	12	—	29	—	14	—	—	—	—	4	
Devonshire .. .. .	909	551	358	6	73	59	22	7	82	—	6	8	—	—	—	38	
Cornwall .. .. .	495	256	239	—	18	7	9	—	110	—	6	41	—	—	—	2	
Somersetshire .. .. .	868	557	311	2	73	57	15	4	93	—	15	16	—	—	—	22	
VI.—WEST MIDLAND.																	
Gloucestershire .. .. .	698	422	276	4	74	68	14	4	50	—	12	14	—	—	—	30	
Herefordshire .. .. .	298	230	88	1	12	14	4	—	10	—	14	1	—	—	—	10	
Shropshire .. .. .	495	316	179	2	44	16	12	—	32	—	2	50	—	—	—	4	
Staffordshire .. .. .	767	366	401	7	53	31	45	6	123	—	34	70	—	—	—	16	
Worcestershire .. .. .	397	259	138	6	17	29	17	3	28	—	4	16	—	—	—	13	
Warwickshire .. .. .	554	330	224	4	46	46	36	6	43	—	4	10	—	—	—	19	
VII.—NORTH MIDLAND.																	
Leicestershire .. .. .	523	302	221	1	33	62	15	4	56	—	2	30	—	—	—	10	
Rutlandshire .. .. .	71	56	15	—	3	6	2	—	2	—	—	—	—	—	—	4	
Lincolnshire .. .. .	918	657	261	1	23	33	14	—	103	—	2	53	—	—	—	9	
Nottinghamshire .. .. .	518	293	225	2	24	39	12	4	65	—	12	30	—	—	—	8	
Derbyshire .. .. .	475	215	260	3	41	27	20	3	74	—	7	46	—	—	—	—	
VIII.—NORTH WESTERN.																	
Cheshire .. .. .	668	273	395	31	64	28	31	9	114	—	7	53	—	—	—	19	
Lancashire .. .. .	2470	805	1665	73	258	166	280	39	354	—	34	141	—	—	—	175	
IX.—YORK.																	
West Riding .. .. .	1884	707	1177	8	190	121	76	17	376	—	66	145	—	—	—	44	
East Riding (with York) .. .. .	415	250	165	6	22	10	16	1	55	—	3	42	—	—	—	4	
North Riding .. .. .	478	277	201	4	27	12	24	4	85	—	1	36	—	—	—	3	
X.—NORTHERN.																	
Durham .. .. .	612	270	342	30	26	22	55	4	82	—	14	73	—	—	—	13	
Northumberland .. .. .	440	187	253	73	16	8	37	1	42	—	7	39	—	—	—	10	
Cumberland .. .. .	306	184	122	13	18	5	14	1	38	—	—	20	—	—	—	8	
Westmorland .. .. .	134	84	50	1	8	5	3	—	18	—	—	7	—	—	—	4	
XI.—WELSH.																	
Monmouthshire .. .. .	404	179	225	4	46	90	13	—	29	—	15	2	—	—	—	5	
South Wales .. .. .	1848	693	1155	9	376												

TABLE 7.—ENGLAND AND WALES.—Marriages.—Manner of Solemnization, 1853-1902.

YEAR.	OF 1000 MARRIAGES.											
	ACCORDING TO THE RITES OF THE ESTABLISHED CHURCH.						NOT ACCORDING TO THE RITES OF THE ESTABLISHED CHURCH.					
	Special Licence.	Licence.	Banns.	Superintendent Registrar's Certificate.	Not stated.	TOTAL IN ESTABLISHED CHURCH.	TOTAL NOT IN ESTABLISHED CHURCH.	In Registered Places.				Civil Marriages in Superintendent Registrar's Office.
								Roman Catholics.	Registrar.	Other Christian Denominations. Authorized Person.	Quakers.	
1853	0.1	125	664	23	27	839	161	51	62	0.5	1.8	46
1854	0.1	132	658	24	26	840	160	49	61	0.3	1.8	48
1855	0.1	134	655	25	26	840	160	48	61	0.4	1.5	49
1856	0.1	134	655	25	25	839	161	47	60	0.5	2.0	51
1857	0.1	134	641	24	25	824	176	46	67	0.4	2.0	61
1858	0.1	127	644	24	26	821	179	43	70	0.5	1.4	64
1859	0.1	121	643	25	23	812	188	46	75	0.4	1.9	65
1860	0.1	122	638	25	22	807	193	46	79	0.4	1.8	66
1861	0.1	123	628	25	22	798	202	48	80	0.4	1.6	72
1862	0.1	119	627	24	21	791	209	45	84	0.4	1.8	78
1863	0.1	111	632	25	20	788	212	47	84	0.3	1.8	79
1864	0.1	110	629	24	19	782	218	48	87	0.3	1.9	81
1865	0.1	112	629	22	19	782	218	47	89	0.3	1.9	80
1866	0.1	108	630	23	17	778	222	48	91	0.3	1.6	81
1867	0.1	108	628	22	17	775	225	44	95	0.4	1.8	84
1868	0.1	103	627	23	16	769	231	42	97	0.4	1.7	90
1869	0.1	98	627	23	15	763	237	41	99	0.3	1.9	95
1870	0.1	94	634	22	10	760	240	41	99	0.3	2.0	98
1871	0.1	89	642	22	8	761	239	40	100	0.3	2.1	97
1872	0.1	85	645	21	6	757	243	42	100	0.2	2.1	99
1873	0.1	85	642	20	5	752	248	40	102	0.4	2.4	103
1874	0.1	87	637	19	4	747	253	40	105	0.2	2.3	105
1875	0.1	87	635	18	4	744	256	42	107	0.3	2.4	104
1876	0.2	87	630	18	3	738	262	42	110	0.3	2.3	107
1877	0.1	84	627	18	4	733	267	43	112	0.4	2.2	109
1878	0.1	82	623	18	3	726	274	42	113	0.3	2.7	116
1879	0.2	78	624	18	3	723	277	41	113	0.3	2.5	120
1880	0.2	73	623	18	3	717	283	43	111	0.3	2.4	126
1881	0.3	68	626	18	3	715	285	45	111	0.3	2.5	126
1882	0.4	65	631	17	2	715	285	45	111	0.3	2.5	126
1883	0.3	63	629	18	2	712	288	44	113	0.3	2.6	128
1884	0.3	60	628	17	2	707	293	43	116	0.3	2.9	131
1885	0.3	58	630	17	3	708	292	41	118	0.2	3.2	130
1886	0.2	56	632	17	2	707	293	42	117	0.2	3.4	130
1887	0.1	53	629	17	2	701	299	43	116	0.3	3.2	136
1888	0.1	51	632	16	2	701	299	42	116	0.3	3.9	137
1889	0.1	48	632	16	2	698	302	42	116	0.3	4.1	140
1890	0.1	47	637	15	2	701	299	43	115	0.3	4.0	137
1891	0.1	46	637	14	2	699	301	42	118	0.3	4.6	136
1892	0.1	45	637	14	2	698	302	40	118	0.3	4.6	139
1893	0.1	44	634	13	1	692	308	41	118	0.4	5.1	143
1894	0.1	41	630	13	2	686	314	42	119	0.3	5.0	148
1895	0.1	39	633	13	1	686	314	41	120	0.3	5.3	147
1896	0.1	38	637	11	1	687	313	41	120	0.4	5.2	146
1897	0.1	35	640	10	1	686	314	41	121	0.4	5.7	146
1898	0.1	34	641	9	1	685	315	40	121	0.4	5.7	148
1899	0.1	34	634	9	1	678	322	41	113	0.3	6.4	150
1900	0.1	34	629	8	0.9	672	328	40	106	0.3	6.5	153
1901	0.1	33	624	8	1.0	666	334	41	104	0.3	7.0	158
1902	0.1	33	620	7	0.7	661	339	41	101	0.3	7.4	163

TABLE 8.—ENGLAND AND WALES.—Marriages.—Manner of Solemnization, in Counties, 1902.

REGISTRATION COUNTY.	OF 1000 MARRIAGES.												
	ACCORDING TO THE RITES OF THE ESTABLISHED CHURCH.						NOT ACCORDING TO THE RITES OF THE ESTABLISHED CHURCH.						
	Special Licence.	Licence.	Banns.	Superintendent Registrar's Certificate.	Not stated.	TOTAL IN ESTABLISHED CHURCH.	TOTAL NOT IN ESTABLISHED CHURCH.	In Registered Places.				Civil Marriages in Superintendent Registrar's Office.	
								Roman Catholics.	Registrar.	Other Christian Denominations. Authorized Person.	Quakers.		Jews.
ENGLAND AND WALES	0.1	33	620	7	0.7	661	339	41	101	26	0.3	7.4	163
I.—LONDON.													
London .. .. .	0.3	36	662	0	0.3	699	301	39	38	8	0.3	34.7	181
II.—SOUTH EASTERN.													
Surrey .. .. .	0.2	35	717	0	0.8	753	247	22	67	9	0.6	—	148
Kent .. .. .	0.1	22	712	2	0.8	737	263	17	80	21	0.3	0.3	144
Sussex .. .. .	0.2	36	732	1	0.9	770	230	14	64	9	—	1.1	142
Hampshire .. .. .	0.2	37	650	4	1.5	693	307	21	88	9	—	0.7	188
Berkshire .. .. .	—	22	748	—	—	770	230	13	60	15	—	—	142
III.—SOUTH MIDLAND.													
Middlesex .. .. .	—	34	715	1	1.5	752	248	16	58	12	0.2	0.2	162
Hertfordshire .. .. .	—	25	798	1	1.8	826	174	6	82	9	—	—	77
Buckinghamshire .. .. .	0.8	23	769	—	1.6	794	206	2	100	19	—	—	85
Oxfordshire .. .. .	—	37	751	1	0.7	790	210	11	77	13	—	—	109
Northamptonshire .. .. .	—	21	687	1	0.8	710	290	7	108	28	0.8	—	146
Huntingdonshire .. .. .	—	3	793	—	2.9	799	201	—	94	29	—	—	78
Bedfordshire .. .. .	—	27	712	1	0.8	741	259	4	117	36	—	—	102
Cambridgeshire .. .. .	0.7	26	733	—	2.8	762	238	6	117	10	—	—	105
IV.—EASTERN.													
Essex .. .. .	—	21	755	0	1.0	777	223	22	66	14	0.3	0.4	120
Suffolk .. .. .	—	22	759	0	3.4	784	216	3	88	16	—	—	109
Norfolk .. .. .	—	28	749	1	3.9	782	218	6	70	25	0.3	0.3	116
V.—SOUTH WESTERN.													
Wiltshire .. .. .	—	27	674	2	0.5	703	297	8	141	25	—	—	123
Dorsetshire .. .. .	—	31	729	3	2.7	766	234	10	109	12	1.3	—	102
Devonshire .. .. .	—	54	531	2	1.9	589	411	13	124	29	—	1.2	244
Cornwall .. .. .	—	64	447	1	0.5	512	488	2	291	37	—	—	158
Somersetshire .. .. .	0.3	42	679	3	3.1	727	273	7	147	15	0.6	—	103
VI.—WEST MIDLAND.													
Gloucestershire .. .. .	—	34	645	1	0.5	681	319	12	105	20	0.6	0.4	181
Herefordshire .. .. .	—	42	723	4	5.2	774	226	4	52	14	2.6	—	153
Shropshire .. .. .	—	47	673	6	1.1	727	273	11	115	15	—	—	132
Staffordshire .. .. .	—	21	718	3	0.1	742	253	37	77	26	—	0.3	118
Worcestershire .. .. .	—	23	746	2	0.8	772	228	16	53	24	0.3	—	135
Warwickshire .. .. .	—	13	723	3	0.3	739	261	29	53	19	1.5	4.7	154
VII.—NORTH MIDLAND.													
Leicestershire .. .. .	—	25	656	2	1.2	684	316	18	128	22	—	—	148
Rutlandshire .. .. .	—	14	834	—	—	848	152	14	73	—	—	—	65
Lincolnshire .. .. .	—	33	715	0	2.6	751	249	12	82	56	—	1.3	98
Nottinghamshire .. .. .	—	27	651	1	0.2	679	321	12	89	31	—	—	189
Derbyshire .. .. .	—	33	661	5	0.3	699	301	23	120	48	0.3	0.3	109
VIII.—NORTH WESTERN.													
Cheshire .. .. .	0.2	48	598	7	0.2	653	347	51	119	48	—	0.3	129
Lancashire .. .. .	0.0	37	541	24	0.4	602	398	100	126	42	0.3	6.7	123
IX.—YORK.													
West Riding .. .. .	—	22	650	11	0.2	683	317	42	109	50	0.4	5.2	110
East Riding (with York)	—	41	641	0	0.8	683	317	31	79	44	—	5.8	157
North Riding .. .. .	—	52	604	2	2.1	660	340	58	112	23	1.0	0.7	145
X.—NORTHERN.													
Durham .. .. .	—	33	473	30	0.3	536	464	76	114	26	0.8	1.9	245
Northumberland .. .. .	—	42	475	7	0.4	524	476	72	119	20	1.4	3.6	260
Cumberland .. .. .	—	93	505	25	1.5	624	376	73	108	45	0.5	—	149
Westmorland .. .. .	—	104	683	2	—	789	211	5	116	27	2.4	—	61
XI.—WELSH.													
Monmouthshire .. .. .	—	33	395	3	—	431	569	40	233	9	—	2.3	285
South Wales .. .. .	—	36	245	8	0.2	289	711	33	227	24	0.2	1.6	425
North Wales .. .. .	—	48	239	9	0.9	297	703	13	377	19	—	—	294

NOTE.—A cipher indicates that the number of marriages was too small to show a rate of one per 1000. When no marriage occurred, — is inserted.

TABLE 9.—ENGLAND AND WALES.—First Marriages, Re-Marriages, Marriages of Minors, and Signatures by Mark, 1853-1902.

YEAR.	IN 1000 MARRIAGES.								
	FIRST MARRIAGES.		RE-MARRIAGES.		UNDER 21 YEARS.		SIGNED BY MARK.		
	Bachelors.	Spinsters.	Widowers.	Widows.	Men.	Women.	Men.	Women.	Both.
1853	864	910	136	90	56	178	304	439	227
1854	864	910	136	90	58	180	300	427	221
1855	856	905	144	95	55	179	295	412	211
1856	861	906	139	94	57	183	288	402	202
1857	862	909	138	91	56	181	277	388	192
1858	858	908	142	92	59	184	270	376	184
1859	859	909	141	91	62	191	267	376	182
1860	861	910	139	90	63	194	255	362	170
1861	860	909	140	91	64	195	246	347	161
1862	863	910	137	90	65	198	237	332	153
1863	865	912	135	88	66	199	238	331	153
1864	862	909	138	91	66	201	233	324	147
1865	861	908	139	92	67	201	225	312	141
1866	861	906	139	94	67	200	216	300	134
1867	857	904	143	96	69	202	211	288	127
1868	860	906	140	94	72	210	201	278	119
1869	860	905	140	95	72	214	199	276	117
1870	864	904	136	96	75	216	198	273	116
1871	861	903	139	97	79	220	194	268	113
1872	863	901	137	99	80	223	194	263	111
1873	863	899	137	101	82	224	188	254	106
1874	863	898	137	102	84	227	179	242	98
1875	859	898	141	102	83	222	172	232	93
1876	859	897	141	103	83	220	163	221	86
1877	862	901	138	99	81	220	153	209	79
1878	864	902	136	98	78	216	146	198	73
1879	865	905	135	95	74	214	138	185	67
1880	869	905	131	95	73	215	140	186	68
1881	872	908	128	92	72	214	135	177	64
1882	875	912	125	88	76	220	132	171	62
1883	876	911	124	89	74	218	126	155	55
1884	874	911	126	89	73	213	117	142	48
1885	873	912	127	88	70	210	107	129	43
1886	876	914	124	86	67	206	96	115	37
1887	878	916	122	84	65	202	91	106	34
1888	881	917	119	83	63	199	83	97	29
1889	885	919	115	81	61	199	78	90	27
1890	885	919	115	81	60	195	72	83	24
1891	886	919	114	81	59	190	64	73	21
1892	884	918	116	82	59	187	56	66	19
1893	886	920	114	80	56	181	50	57	16
1894	889	923	111	77	55	181	46	54	14
1895	891	924	109	76	52	174	40	48	13
1896	897	927	103	73	53	174	37	43	11
1897	902	931	98	69	51	170	33	40	10
1898	905	932	95	68	51	168	31	36	10
1899	908	933	92	67	50	165	29	34	9
1900	906	932	94	68	51	163	28	32	9
1901	903	928	97	72	50	160	25	29	8
1902	909	932	91	68	47	154	23	26	7

TABLE 10.—ENGLAND AND WALES.—Marriages-rates, Marriages of Minors, and Signatures by Mark in Counties, 1892-1901, and 1902.

REGISTRATION COUNTY.	Persons Married in 1000 Living.		IN 1000 MARRIAGES.								
	Average of Ten Years, 1892-1901.	1902.	Under 21 Years.				Signed by Mark.				
			Average of Ten Years, 1892-1901.		1902.		Average of Ten Years, 1892-1901.		1902.		
			Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.	Both.
ENGLAND AND WALES	15'6	15'9	53	172	47	154	38	44	23	26	7
I.—LONDON.											
London .. .. .	17'8	17'8	47	162	40	140	28	36	24	30	13
II.—SOUTH EASTERN.											
Surrey .. .. .	13'2	14'1	31	122	35	112	22	15	13	7	2
Kent .. .. .	14'1	15'0	42	170	36	149	30	21	17	15	3
Sussex .. .. .	13'7	14'4	40	132	36	122	31	15	15	9	1
Hampshire .. .. .	15'0	15'6	32	152	31	132	27	18	15	12	2
Berkshire .. .. .	13'8	14'7	33	130	30	103	34	19	23	15	5
III.—SOUTH MIDLAND.											
Middlesex .. .. .	12'4	14'0	47	155	40	141	26	20	14	12	2
Hertfordshire .. .. .	12'5	13'8	49	139	50	114	50	32	21	14	5
Buckinghamshire .. .. .	13'6	14'1	55	158	42	121	49	24	23	14	7
Oxfordshire .. .. .	13'3	14'7	37	116	26	87	40	21	21	10	3
Northamptonshire .. .. .	15'2	14'6	69	179	53	152	34	31	19	26	8
Huntingdonshire .. .. .	13'6	15'0	47	146	46	144	50	24	46	11	6
Bedfordshire .. .. .	14'1	14'2	81	158	88	173	45	42	21	24	8
Cambridgeshire .. .. .	13'8	14'3	60	166	47	129	62	36	44	15	8
IV.—EASTERN.											
Essex .. .. .	13'4	13'9	49	187	44	155	37	28	23	16	4
Suffolk .. .. .	13'6	14'6	48	158	47	151	60	33	35	13	5
Norfolk .. .. .	13'8	14'2	57	166	48	155	53	33	28	16	4
V.—SOUTH WESTERN.											
Wiltshire .. .. .	13'5	14'7	34	125	20	113	41	21	22	11	3
Dorsetshire .. .. .	13'9	14'8	38	125	35	123	42	22	29	12	5
Devonshire .. .. .	15'1	15'5	32	121	29	116	27	26	17	18	3
Cornwall .. .. .	13'4	13'2	36	125	30	115	63	57	30	34	9
Somersetshire .. .. .	13'5	13'9	49	127	42	105	48	35	25	17	5
VI.—WEST MIDLAND.											
Gloucestershire .. .. .	15'5	15'7	53	146	44	119	39	37	26	22	7
Herefordshire .. .. .	13'0	13'6	23	107	16	97	53	33	25	12	3
Shropshire .. .. .	13'5	14'3	26	109	32	119	54	43	28	18	5
Staffordshire .. .. .	16'3	15'7	75	212	66	193	53	63	29	34	10
Worcestershire .. .. .	14'8	15'0	53	147	47	141	44	49	22	24	8
Warwickshire .. .. .	17'0	17'2	64	187	59	165	38	50	22	27	5
VII.—NORTH MIDLAND.											
Leicestershire .. .. .	15'7	15'1	81	193	63	180	29	30	19	21	7
Rutlandshire .. .. .	12'3	13'4	21	125	7	116	36	14	36	7	7
Lincolnshire .. .. .	15'4	15'4	42	179	44	168	34	27	22	19	4
Nottinghamshire .. .. .	16'6	17'3	86	237	83	228	37	43	23	25	6
Derbyshire .. .. .	15'7	16'0	65	223	60	196	30	33	15	18	4
VIII.—NORTH WESTERN.											
Cheshire .. .. .	14'5	14'6	48	147	42	129	33	39	17	17	5
Lancashire .. .. .	16'6	16'8	61	171	52	145	36	59	20	32	7
IX.—YORK.											
West Riding .. .. .	16'4	16'2	63	199	57	183	42	59	24	34	11
East Riding (with York) .. .. .	16'3	15'8	56	211	47	181	28	36	18	23	4
North Riding .. .. .	14'8	15'4	46	188	48	179	38	42	22	25	5
X.—NORTHERN.											
Durham .. .. .	16'2	16'4	57	243	60	226	45	59	23	27	5
Northumberland .. .. .	16'3	16'4	43	194	41	180	29	47	16	30	5
Cumberland .. .. .	13'9	14'7	41	154	43	130	30	40	15	22	4
Westmorland .. .. .	13'3	12'9	28	104	12	77	16	17	5	7	—
XI.—WELSH.											
Monmouthshire .. .. .	15'6	16'0	59	221	60	199	65	75	40	46	10
South Wales .. .. .	16'2	16'4	49	180	42	168	52	73	33	41	10
North Wales .. .. .	14'1	13'9	22	89	26	76	64	70	41	46	12

TABLE 11.—ENGLAND AND WALES.—Birth- and Death-rates in Counties, 1892-1901, and 1902.

REGISTRATION COUNTY.	Births to 1000 Living.		Illegitimate Births to 1000 Births.		Males Born to 1000 Females Born.		Deaths to 1000 Living.				Deaths of Children under one year to 1000 Births.	
	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.		1902.		Ten Years 1892 to 1901.	1902.
							Persons.	Persons.	Males.	Females.		
ENGLAND AND WALES	29.6	28.5	41	39	1036	1039	17.9	16.2	17.4	15.2	154	133
I.—LONDON.												
London*	30.1	28.5	37	36	1037	1034	18.8	17.0	18.7	15.5	159	140
II.—SOUTH EASTERN.												
Surrey	24.5	23.7	39	39	1044	1032	14.2	13.4	14.7	12.2	122	112
Kent	26.1	25.4	39	37	1027	1015	15.5	16.0	17.1	15.0	131	116
Sussex	23.8	22.1	53	56	1045	1055	15.1	13.9	15.4	12.7	118	102
Hampshire	26.1	24.7	40	43	1039	1040	16.1	14.7	16.0	13.5	128	114
Berkshire	25.6	23.9	47	47	1035	1001	14.9	14.2	15.3	13.2	113	101
III.—SOUTH MIDLAND.												
Middlesex	28.0	28.9	30	28	1032	1032	14.4	14.2	15.2	13.3	139	124
Hertfordshire	25.2	23.6	45	37	1034	1053	15.3	13.6	14.4	12.9	109	92
Buckinghamshire	26.7	25.6	43	44	1036	1079	15.0	14.0	15.0	13.1	113	104
Oxfordshire	25.5	23.5	53	49	1032	988	15.6	15.2	16.3	14.2	112	109
Northamptonshire	28.9	25.7	39	39	1034	1072	15.5	13.6	14.5	12.7	131	112
Huntingdonshire	25.5	24.1	53	50	1036	1076	15.9	14.6	15.5	13.8	117	94
Bedfordshire	25.9	23.3	52	45	1040	1042	15.6	13.5	14.4	12.7	126	107
Cambridgeshire	26.0	24.2	48	49	1061	1074	15.8	14.5	15.2	13.9	124	110
IV.—EASTERN.												
Essex	30.2	29.9	29	26	1034	1055	15.9	14.3	15.2	13.4	143	119
Suffolk	27.0	25.8	56	52	1049	1004	16.5	15.1	15.5	14.7	122	107
Norfolk	27.5	25.5	64	61	1032	1061	17.1	15.3	16.1	14.5	142	128
V.—SOUTH WESTERN.												
Wiltshire	26.1	24.3	40	47	1039	1003	15.3	14.7	15.3	14.1	101	98
Dorsetshire	25.0	22.9	42	42	1055	1045	15.3	14.1	14.6	13.7	104	87
Devonshire	25.1	23.4	40	42	1042	1019	17.2	15.9	16.7	15.1	130	124
Cornwall	25.6	23.2	51	50	1046	1049	17.2	16.7	17.4	16.1	138	139
Somersetshire	26.1	23.0	37	36	1041	1070	15.9	14.9	16.3	13.7	113	100
VI.—WEST MIDLAND.												
Gloucestershire	26.9	25.6	38	34	1032	1062	16.7	16.3	17.5	15.1	129	121
Herefordshire	25.6	23.4	69	66	1032	955	17.0	15.4	16.6	14.2	110	108
Shropshire	26.7	26.6	69	60	1033	1021	16.4	15.0	16.0	14.1	113	104
Staffordshire	34.4	33.7	42	39	1040	1033	19.2	16.7	17.8	15.6	172	143
Worcestershire	28.7	27.8	40	35	1035	1044	16.1	14.2	15.2	13.3	141	117
Warwickshire	31.3	30.3	33	31	1025	1023	18.9	16.8	18.0	15.6	170	141
VII.—NORTH MIDLAND.												
Leicestershire	30.7	28.7	41	41	1029	1022	16.9	14.5	15.6	13.4	162	136
Rutlandshire	23.6	21.9	48	38	1046	965	14.2	12.8	13.1	12.6	104	71
Lincolnshire	27.6	26.7	55	54	1039	1037	16.3	15.0	15.8	14.3	143	123
Nottinghamshire	31.9	31.6	52	49	1033	1003	17.5	15.9	17.0	14.8	165	147
Derbyshire	31.6	30.3	43	38	1034	1059	16.9	14.7	15.5	14.0	147	127
VIII.—NORTH WESTERN.												
Cheshire	29.1	27.5	43	38	1040	1029	18.0	15.6	16.7	14.6	156	127
Lancashire	31.0	29.8	39	37	1033	1040	20.7	18.3	19.8	17.0	180	150
IX.—YORK.												
West Riding	30.0	28.5	44	42	1029	1040	18.5	16.4	17.5	15.3	164	144
East Riding (with York)	30.7	29.2	52	53	1043	1050	18.2	16.1	17.0	15.3	167	129
North Riding	29.5	29.5	57	50	1038	1053	17.5	16.4	17.6	15.2	147	135
X.—NORTHERN.												
Durham	35.6	35.9	36	34	1042	1031	19.1	17.4	18.1	16.8	169	141
Northumberland	32.4	32.7	42	37	1037	1056	18.9	17.6	18.2	17.0	163	131
Cumberland	29.1	28.0	67	57	1029	1090	16.9	16.3	17.2	15.4	130	110
Westmorland	24.3	21.9	60	60	1036	1087	14.5	12.8	14.7	11.1	106	82
XI.—WELSH.												
Monmouthshire	34.4	35.5	31	29	1036	1033	18.3	17.2	17.9	16.5	151	135
South Wales	33.6	33.1	33	30	1038	1058	18.9	17.5	18.1	16.9	164	146
North Wales	27.0	26.6	63	60	1046	1048	18.5	17.4	18.2	16.7	136	123

\* See Note \* to Table 26.

TABLE 12.—ENGLAND AND WALES.—Annual Death-rates at Twelve Groups of Ages and General Death-rates Corrected for Sex and Age-constitution, 1853-1902.\*—Persons.

YEAR.	DEATHS TO 1000 LIVING.—PERSONS.												
	ALL AGES.†	AGES.											
		0—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	85 and upwards.
1853	21.9	68.1	8.3	5.2	7.6	9.3	10.4	12.9	17.6	30.3	64.6	149.7	313.2
1854	22.5	72.4	9.3	5.6	7.6	9.4	10.7	13.5	18.0	30.0	62.6	140.9	285.0
1855	21.6	66.4	8.1	5.0	7.1	8.8	9.9	12.7	17.1	30.9	66.7	155.3	333.0
1856	19.5	62.7	7.2	4.5	6.6	8.2	9.2	11.7	15.3	26.8	56.5	125.2	262.4
1857	20.7	67.8	7.8	4.7	6.8	8.4	9.3	11.9	16.0	28.3	60.7	137.6	296.6
1858	21.9	71.9	10.5	5.2	7.1	8.7	9.6	12.2	16.3	28.9	63.2	142.6	312.5
1859	21.2	69.9	9.3	5.0	6.8	8.4	9.5	12.1	16.5	28.4	60.6	134.6	289.1
1860	20.2	62.2	6.8	4.2	6.4	8.0	9.3	12.0	16.3	29.4	63.7	143.1	306.6
1861	20.5	66.9	6.8	4.3	6.7	8.2	9.4	11.8	16.1	28.8	61.0	138.0	290.5
1862	20.3	65.1	7.5	4.5	6.5	8.0	9.3	12.0	16.4	29.0	60.3	133.7	283.3
1863	21.7	72.7	10.1	5.1	6.6	8.3	9.6	12.4	16.5	29.3	60.0	133.7	297.8
1864	22.4	70.8	9.6	5.0	6.7	8.7	10.3	13.4	18.1	32.4	66.6	145.6	314.7
1865	22.0	70.1	7.9	4.7	6.6	8.8	10.4	13.4	18.5	31.7	64.2	144.3	307.9
1866	22.2	70.3	7.5	4.5	6.7	8.9	10.7	13.9	18.8	31.9	64.8	144.5	306.4
1867	20.6	64.5	6.3	3.9	6.2	8.0	9.7	12.7	17.3	30.4	63.6	145.2	304.4
1868	20.6	68.4	7.6	4.1	6.1	7.8	9.5	12.3	16.8	29.0	59.1	131.7	269.6
1869	21.0	67.8	8.0	4.3	5.9	7.6	9.6	12.6	17.5	30.3	63.5	141.5	289.3
1870	21.6	69.6	8.6	4.5	6.2	7.8	9.8	12.8	17.6	31.2	64.8	145.5	302.0
1871	21.4	67.0	7.9	4.4	6.5	8.7	10.4	13.3	17.9	31.1	63.7	138.8	290.4
1872	20.2	63.0	6.7	4.1	6.1	8.1	9.8	12.8	17.2	29.4	60.7	131.6	277.8
1873	20.0	61.4	5.8	3.6	5.4	7.1	9.0	12.5	17.6	31.0	66.1	142.0	311.8
1874	21.1	66.6	7.3	3.9	5.5	7.4	9.4	13.2	18.3	32.3	66.2	139.5	302.6
1875	21.6	66.5	6.6	3.8	5.6	7.4	9.5	13.6	19.1	34.2	69.8	156.0	343.2
1876	19.9	62.4	6.1	3.6	5.2	7.0	8.8	12.7	17.5	31.0	62.4	136.2	293.0
1877	19.4	58.8	5.8	3.6	5.0	6.7	8.6	12.5	17.4	31.0	63.2	136.5	304.4
1878	20.5	66.2	6.4	3.6	5.0	6.5	8.4	12.4	17.6	32.0	65.3	146.8	328.5
1879	19.9	58.1	6.0	3.3	4.8	6.2	8.3	12.3	18.1	33.6	70.0	158.3	342.9
1880	19.5	64.2	6.2	3.3	4.7	6.0	7.7	11.5	16.8	30.4	62.7	136.5	288.8
1881	18.2	52.3	5.7	3.2	4.6	6.0	8.1	11.9	17.0	30.8	62.7	134.5	275.2
1882	18.8	58.9	6.1	3.3	4.7	5.9	8.1	11.7	17.0	30.5	61.2	130.8	267.9
1883	19.0	56.0	6.0	3.4	4.8	6.2	8.2	12.0	17.5	31.8	64.7	140.7	286.6
1884	19.0	59.9	5.8	3.3	4.6	6.0	7.9	11.7	17.3	30.4	62.6	133.5	263.6
1885	18.7	55.8	5.1	3.0	4.4	5.8	7.8	11.6	17.2	31.4	66.2	141.1	295.4
1886	19.0	59.3	4.8	2.9	4.4	5.5	7.4	11.2	17.0	31.8	67.5	143.8	316.0
1887	18.6	57.6	5.1	2.9	4.2	5.4	7.2	11.1	16.9	31.7	66.6	139.3	286.4
1888	17.7	52.9	4.7	2.8	4.0	5.3	7.0	10.8	16.7	30.9	65.3	136.2	283.1
1889	17.9	56.8	4.7	2.7	3.9	5.0	6.7	10.5	16.2	30.2	63.1	131.8	274.6
1890	19.3	58.1	5.0	2.9	4.2	5.4	7.5	12.0	18.7	34.4	69.2	143.9	291.4
1891	20.0	59.1	4.7	2.7	4.2	5.4	7.4	12.2	19.6	36.9	75.4	156.6	310.5
1892	18.8	57.4	4.6	2.6	4.0	4.9	6.9	11.2	17.5	33.3	70.4	146.8	285.9
1893	18.9	60.4	5.1	2.9	4.3	5.3	7.2	11.5	17.4	32.2	66.5	134.6	258.5
1894	16.4												



TABLE 13.—ENGLAND AND WALES.—Annual Death-rates at Twelve Groups of Ages and General Death-rates corrected for Age-constitution, 1853-1902.\*—Males.

YEAR.	DEATHS TO 1000 LIVING.—MALES.												
	AGES.												
	ALL AGES.†	0—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	85 and upwards.
1853	22.7	73.0	8.5	5.1	7.2	9.6	10.3	13.2	19.3	32.4	69.1	159.8	328.3
1854	23.2	77.3	9.4	5.5	7.3	9.7	10.5	13.6	19.3	31.8	66.5	149.2	296.0
1855	22.3	71.5	8.2	5.0	6.7	8.9	9.8	12.8	18.6	32.8	70.7	162.9	349.2
1856	20.2	67.0	7.2	4.5	6.4	8.4	9.1	11.8	16.6	29.0	60.6	130.7	283.4
1857	21.3	72.2	7.8	4.7	6.4	8.4	9.2	12.0	17.3	29.9	63.3	143.9	306.1
1858	22.5	76.5	10.5	5.0	6.8	8.7	9.3	12.3	17.7	30.9	66.2	147.0	323.5
1859	21.9	74.7	9.2	4.8	6.4	8.4	9.2	12.3	17.8	30.8	64.2	140.2	298.9
1860	20.9	67.3	6.8	4.1	6.1	8.2	9.0	12.4	17.8	31.5	67.3	151.2	314.9
1861	21.3	71.8	6.7	4.3	6.4	8.3	9.2	12.3	17.6	30.9	65.4	146.5	315.7
1862	21.1	69.8	7.7	4.4	6.2	8.2	9.2	12.4	18.1	31.3	63.3	139.9	296.7
1863	22.6	77.8	10.3	5.0	6.4	8.5	9.4	12.8	18.2	31.7	63.9	139.4	309.7
1864	23.4	75.8	9.8	4.9	6.5	9.1	10.3	14.3	20.1	35.2	70.3	151.4	334.4
1865	23.1	75.0	8.1	4.7	6.4	9.2	10.6	14.2	20.5	34.7	68.6	151.8	325.6
1866	23.1	74.9	7.8	4.6	6.5	9.2	10.9	14.7	20.9	34.7	68.9	150.6	323.5
1867	21.7	69.3	6.5	4.0	6.0	8.4	10.0	13.6	19.1	33.5	68.3	152.5	332.4
1868	21.6	72.8	7.8	4.2	5.9	8.0	9.7	13.2	18.9	31.9	63.8	139.1	282.4
1869	22.1	72.5	8.3	4.3	5.7	7.9	9.9	13.5	19.3	33.3	68.4	149.1	308.9
1870	22.7	75.0	8.9	4.5	5.9	8.0	10.1	13.8	19.6	33.9	69.6	152.1	320.7
1871	22.5	71.7	8.3	4.4	6.4	9.2	11.1	14.4	20.0	33.9	67.5	145.2	312.8
1872	21.4	67.6	7.0	4.1	6.0	8.7	10.3	14.0	19.4	32.5	65.5	140.3	292.0
1873	21.1	66.4	6.0	3.7	5.3	7.5	9.5	13.6	19.8	34.1	70.9	150.6	324.9
1874	22.2	71.8	7.4	3.9	5.3	7.5	9.6	14.3	20.9	35.8	71.4	146.4	322.8
1875	22.8	71.9	6.9	3.8	5.6	7.6	9.7	15.0	21.5	37.7	74.7	165.0	363.8
1876	21.1	67.6	6.3	3.5	5.3	7.3	9.3	13.8	19.9	34.3	67.2	145.8	302.6
1877	20.6	63.9	6.1	3.5	4.9	7.0	9.1	13.7	19.7	34.7	68.2	145.8	324.9
1878	21.7	71.2	6.6	3.6	4.9	6.8	8.8	13.6	20.0	35.1	69.5	154.8	353.9
1879	21.0	63.3	6.3	3.3	4.7	6.4	8.6	13.3	20.4	36.8	74.0	168.7	365.5
1880	20.6	69.2	6.4	3.3	4.5	6.1	7.9	12.5	19.1	33.7	68.1	145.8	310.9
1881	19.2	56.5	5.8	3.2	4.5	6.1	8.3	13.0	19.3	34.0	67.7	144.8	293.5
1882	19.8	63.4	6.3	3.2	4.6	5.9	8.2	12.6	19.0	33.8	66.2	139.3	287.1
1883	20.0	61.0	6.2	3.3	4.7	6.2	8.3	13.0	19.7	35.1	70.1	149.1	302.2
1884	20.0	64.9	5.8	3.2	4.5	6.0	8.0	12.7	19.4	33.5	68.3	142.2	290.1
1885	19.6	60.6	5.1	2.9	4.3	5.8	8.0	12.6	19.3	34.4	71.3	151.5	316.2
1886	20.0	64.5	4.8	2.8	4.3	5.7	7.6	12.1	19.2	34.7	72.8	153.4	339.1
1887	19.6	62.5	5.1	2.9	4.2	5.4	7.3	11.9	18.7	35.0	72.1	149.4	310.1
1888	18.8	57.7	4.7	2.7	4.0	5.4	7.1	11.7	19.0	34.4	71.6	144.5	304.7
1889	18.9	61.8	4.7	2.6	3.9	5.1	7.0	11.3	18.3	33.4	68.5	138.9	298.6
1890	20.6	63.0	5.0	2.8	4.3	5.7	8.0	13.2	21.7	38.6	75.3	153.3	316.5
1891	21.2	64.6	4.7	2.6	4.2	5.6	7.9	13.4	22.4	41.0	81.3	167.9	327.1
1892	19.8	62.4	4.7	2.6	4.0	5.2	7.1	12.1	19.8	36.6	75.7	154.6	305.4
1893	20.0	65.6	5.0	2.8	4.3	5.4	7.3	12.5	19.9	35.6	71.4	142.5	272.8
1894	17.4	56.1	4.2	2.3	3.8	5.0	6.5	10.8	17.3	31.4	62.8	127.6	243.6
1895	19.5	66.0	4.0	2.5	3.8	5.0	6.6	11.0	18.5	34.9	71.3	154.1	306.1
1896	18.0	61.2	4.5	2.3	3.5	4.8	6.2	10.6	17.3	31.6	63.0	128.6	251.9
1897	18.5	62.5	3.9	2.4	3.6	4.8	6.4	10.8	17.7	32.9	65.8	141.7	272.0
1898	18.5	63.4	3.8	2.2	3.5	4.8	6.3	10.7	17.6	33.2	66.4	140.3	282.6
1899	19.4	63.4	4.1	2.3	3.6	5.0	6.7	11.6	19.2	35.5	72.0	150.3	302.1
1900	19.5	61.6	4.2	2.3	3.7	5.1	6.7	11.7	19.9	37.1	74.2	153.7	304.3
1901	18.1	58.9	4.0	2.3	3.4	4.7	6.2	10.6	18.1	33.6	68.0	139.8	277.4
1902	17.4	53.7	3.9	2.2	3.3	4.5	6.2	10.5	18.0	33.6	67.8	138.4	274.7

\* See Note \* to Table 12.  
 † The death-rates in this column differ from those in Table 3 and some other tables, having been corrected for changes of age-constitution.

TABLE 14.—ENGLAND AND WALES.—Annual Death-rates at Twelve Groups of Ages and General Death-rates Corrected for Age-constitution, 1853-1902.\*—Females.

YEAR.	DEATHS TO 1000 LIVING.—FEMALES.												
	AGES.												
	ALL AGES.†	0—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	85 and upwards.
1853	21.2	63.2	8.1	5.4	8.1	9.0	10.6	12.6	16.0	28.3	60.8	141.8	303.2
1854	21.8	67.5	9.2	5.6	7.9	9.2	11.0	13.4	16.7	28.3	59.2	134.3	277.8
1855	21.0	61.3	8.0	4.9	7.5	8.7	10.0	12.6	15.6	29.1	63.3	149.3	322.4
1856	18.9	58.4	7.3	4.5	6.9	8.0	9.3	11.6	14.2	24.8	53.0	120.8	248.7
1857	20.2	63.5	7.7	4.6	7.1	8.4	9.5	11.8	14.8	26.7	58.5	132.6	290.5
1858	21.3	67.2	10.4	5.3	7.4	8.7	9.8	12.1	14.9	27.0	60.6	139.1	305.4
1859	20.6	65.0	9.4	5.2	7.2	8.3	9.8	12.0	15.2	26.3	57.6	130.1	282.9
1860	19.5	57.2	6.9	4.4	6.7	7.8	9.5	11.8	15.0	27.5	60.6	136.7	301.3
1861	19.8	62.0	6.8	4.4	7.0	8.1	9.5	11.4	14.7	26.9	57.3	131.2	274.6
1862	19.6	60.3	7.4	4.6	6.8	7.8	9.4	11.7	14.8	26.9	57.7	128.7	274.9
1863	20.9	67.5	9.9	5.2	6.8	8.1	9.7	12.0	14.9	27.1	56.7	129.1	290.2
1864	21.6	65.8	9.4	5.1	7.0	8.4	10.3	12.6	16.5	29.8	63.4	141.1	302.3
1865	21.0	65.1	7.8	4.6	6.8	8.5	10.2	12.6	16.6	28.8	60.4	138.4	296.7
1866	21.3	65.6	7.2	4.5	6.9	8.6	10.5	13.2	16.9	29.3	61.3	139.8	295.7
1867	19.7	59.6	6.1	3.9	6.4	7.8	9.5	12.0	15.6	27.5	59.5	139.4	287.3
1868	19.7	63.9	7.4	4.1	6.3	7.7	9.4	11.5	14.9	26.4	55.0	125.8	261.5
1869	20.1	63.0	7.8	4.3	6.1	7.3	9.3	11.7	15.7	27.6	59.2	135.4	277.1
1870	20.6	64.2	8.3	4.5	6.4	7.6	9.5	11.9	15.8	28.8	60.6	140.2	290.3
1871	20.3	62.4	7.5	4.5	6.6	8.2	9.7	12.2	15.9	28.5	60.4	133.6	276.4
1872	19.1	58.5	6.5	4.0	6.2	7.6	9.3	11.8	15.1	26.6	56.6	124.7	269.0
1873	18.9	56.4	5.6	3.6	5.5	6.8	8.6	11.4	15.6	28.3	61.9	135.2	303.5
1874	20.0	61.4	7.1	3.9	5.7	7.3	9.2	12.2	15.9	29.2	61.6	134.0	290.0
1875	21.6	61.2	6.4	3.8	5.7	7.3	9.3	12.4	17.0	31.1	65.7	148.8	330.3
1876	18.7	57.3	5.9	3.6	5.2	6.7	8.3	11.7	15.4	27.9	58.4	128.7	287.0
1877	18.2	53.6	5.6	3.6	5.1	6.3	8.2	11.3	15.3	27.7	58.9	129.1	291.6
1878	19.4	61.1	6.1	3.6	5.2	6.3	8.0	11.3	15.4	29.2	61.7	140.5	312.7
1879	18.9	52.9	5.8	3.4	4.9	6.0	8.0	11.3	16.0	30.7	66.6	150.2	328.7
1880	18.5	59.2	6.0	3.3	4.8	5.9	7.6	10.6	14.7	27.5	58.2	129.1	274.9
1881	17.3	48.0	5.7	3.2	4.7	6.0	7.9	11.0	14.9	28.0	58.4	126.4	263.8
1882	17.9	54.4	6.0	3.3	4.7	5.9	7.9	11.0	15.0	27.6	56.9	124.1	256.0
1883	18.0	51.1	5.8	3.4	4.9	6.1	8.1	11.1	15.6	28.8	60.2	134.2	277.0
1884	18.0	54.9	5.8	3.4	4.7	5.9	7.8	10.9	15.3	27.5	57.7	126.8	247.4
1885	17.7	51.0	5.1	3.1	4.5	5.7	7.7	10.8	15.2	28.7	62.0	133.2	282.8
1886	18.0	54.2	4.8	3.1	4.4	5.3	7.2	10.4	15.0	29.1	63.2	136.5	302.1
1887	17.7	52.7	5.1	3.0	4.2	5.4	7.0	10.3	15.2	28.8	62.2	131.6	272.1
1888	16.8	48.0	4.7	2.9	4.0	5.1	6.9	9.9	14.5	27.9	60.1	130.0	270.1
1889	16.9	51.9	4.7	2.8	3.9	4.9	6.5	9.8	14.3	27.4	58.7	126.5	260.3
1890	18.1	53.3	5.0	2.9	4.2	5.1	7.1	10.9	15.9	30.7	64.2	136.9	276.6
1891	18.9	53.7	4.7	2.9	4.3	5.2	7.1	11.1	17.1	33.4	70.6	148.1	300.7
1892	17.8	52.5	4.6	2.7	4.0	4.7	6.7	10.3	15.5	30.4	66.0	140.9	274.4
1893	17.9	55.2	5.1	3.0	4.3	5							

TABLE 15.—ENGLAND AND WALES.—Annual Death-rates at Twelve Age-periods and General Death-rates corrected for Age-constitution in Groups of Years, 1838-1902.\*—Males and Females.

PERIOD.	AGES.												
	ALL AGES,†	0—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	85 and upwards.
DEATHS TO 1000 LIVING.													
MALES.													
1838 to 1902	21.1	68.2	7.1	3.9	5.6	7.5	8.9	12.7	18.9	33.3	68.3	147.2	308.1
1841-50	22.2	71.2	9.2	5.1	7.1	9.5	9.9	12.9	18.2	31.8	67.5	148.3	312.3
1851-60	21.9	72.7	8.5	4.9	6.7	8.8	9.6	12.5	18.0	31.0	65.5	146.7	308.2
1861-70	22.3	73.5	8.2	4.5	6.2	8.5	9.9	13.5	19.2	33.1	67.1	147.2	315.0
1871-80	21.5	68.5	6.7	3.7	5.3	7.4	9.4	13.8	20.1	34.9	69.7	150.8	327.4
1881-90	19.7	61.6	5.4	3.0	4.3	5.7	7.8	12.4	19.4	34.7	70.4	146.6	305.8
1891-1900	19.2	62.7	4.3	2.4	3.8	5.1	6.8	11.5	19.0	35.0	70.4	146.1	286.8
1841-45	21.3	68.7	8.8	4.8	6.8	9.0	9.4	12.2	17.2	30.3	65.5	143.7	305.1
1846-50	23.1	73.8	9.5	5.4	7.3	10.0	10.5	13.6	19.2	33.2	69.5	153.0	319.5
1851-55	22.4	73.9	8.8	5.1	7.0	9.2	10.0	12.9	18.6	31.5	66.6	150.8	311.0
1856-60	21.4	71.5	8.3	4.6	6.4	8.4	9.2	12.2	17.4	30.4	64.3	142.6	305.4
1861-65	22.3	74.0	8.5	4.7	6.4	8.7	9.7	13.2	18.9	32.8	66.3	145.8	316.4
1866-70	22.2	72.9	7.9	4.3	6.0	8.3	10.1	13.8	19.6	33.5	67.8	148.7	313.6
1871-75	22.0	69.9	7.1	4.0	5.7	8.1	10.0	14.3	20.3	34.8	70.0	149.5	323.3
1876-80	21.0	67.0	6.3	3.4	4.9	6.7	8.7	13.4	19.8	34.9	69.4	152.2	331.6
1881-85	19.7	61.3	5.8	3.2	4.5	6.0	8.2	12.8	19.3	34.2	68.7	145.4	297.8
1886-90	19.6	61.9	4.9	2.8	4.1	5.5	7.4	12.0	19.4	35.2	72.1	147.9	313.8
1891-95	19.6	62.9	4.5	2.6	4.0	5.2	7.1	12.0	19.6	35.9	72.5	149.3	291.0
1896-1900	18.8	62.4	4.1	2.3	3.6	4.9	6.5	11.1	18.3	34.1	68.3	142.9	282.6
FEMALES.													
1838 to 1902	19.3	58.3	6.9	4.1	5.9	7.1	8.7	11.5	15.4	28.1	59.9	133.2	281.5
1841-50	21.0	61.1	8.9	5.4	7.9	9.1	10.6	12.9	16.1	28.4	60.9	135.9	293.3
1851-60	20.6	63.0	8.4	5.1	7.4	8.6	10.0	12.2	15.3	27.1	58.9	134.5	288.9
1861-70	20.4	63.7	7.8	4.5	6.7	8.0	9.7	12.1	15.6	27.9	59.1	134.9	285.1
1871-80	19.3	58.4	6.3	3.7	5.5	6.8	8.6	11.6	15.6	28.7	61.0	135.4	296.4
1881-90	17.6	52.0	5.3	3.1	4.4	5.5	7.4	10.6	15.1	28.5	60.4	130.6	270.8
1891-1900	17.0	52.8	4.4	2.6	3.7	4.5	6.1	9.6	14.8	28.5	60.7	130.6	261.4
1841-45	20.1	58.6	8.6	5.2	7.7	8.6	9.9	12.2	15.1	27.2	59.1	131.8	288.6
1846-50	21.9	63.7	9.2	5.7	8.1	9.6	11.2	13.7	17.0	29.7	62.8	140.1	297.9
1851-55	21.0	63.8	8.5	5.3	7.8	8.9	10.3	12.6	15.8	27.8	59.6	137.1	292.0
1856-60	20.1	62.3	8.3	4.8	7.1	8.2	9.6	11.9	14.8	26.5	58.1	131.9	285.8
1861-65	20.6	64.1	8.3	4.8	6.9	8.2	9.8	12.1	15.5	27.9	59.1	133.7	287.7
1866-70	20.3	63.3	7.4	4.3	6.4	7.8	9.6	12.1	15.8	27.9	59.1	136.1	282.4
1871-75	19.8	60.0	6.6	4.0	5.9	7.4	9.2	12.0	15.9	28.7	61.2	135.3	293.8
1876-80	18.7	56.8	5.9	3.5	5.0	6.2	8.0	11.2	15.4	28.6	60.8	135.5	299.0
1881-85	17.8	51.9	5.7	3.3	4.7	5.9	7.9	11.0	15.2	28.1	59.0	128.9	265.4
1886-90	17.5	52.0	4.9	2.9	4.1	5.2	6.9	10.3	15.0	28.8	61.7	132.3	276.2
1891-95	17.5	52.8	4.6	2.8	4.0	4.8	6.6	10.2	15.2	29.5	63.1	134.4	264.2
1896-1900	16.5	52.7	4.2	2.4	3.3	4.1	5.6	9.1	14.3	27.4	58.4	126.8	258.5

\* See Note \* to Table 12.

† The death-rates in this column differ from those in Table 3 and some other tables, having been corrected for changes of age-constitution.

TABLE 16.—ENGLAND AND WALES.—Death-rates per 1000 living, at Twelve Groups of Ages and General Death-rates corrected for Age-constitution in Registration Counties, 1902.\*—Males.

REGISTRATION COUNTY.	ALL AGES †	0—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	85 & upwards.
ENGLAND AND WALES	17.4	53.7	3.9	2.2	3.3	4.5	6.2	10.5	18.0	33.6	67.8	138.4	274.7
I.—LONDON.													
London.. .. .	19.5	60.8	4.1	2.4	3.4	4.4	6.6	12.5	22.0	38.5	74.1	144.5	293.5
II.—SOUTH EASTERN.													
Surrey .. .. .	14.9	40.9	2.9	1.9	2.5	3.8	5.9	9.6	15.1	33.4	60.4	136.6	232.7
Kent .. .. .	16.8	44.3	4.5	3.1	4.0	5.4	8.8	13.1	18.7	30.4	58.2	131.7	249.7
Sussex .. .. .	13.9	36.4	2.6	1.3	2.9	4.6	5.5	10.0	15.6	27.3	57.6	126.1	265.5
Hampshire .. .. .	15.3	41.1	3.5	1.9	3.5	5.7	8.0	11.1	15.2	28.4	57.5	119.0	275.0
Berkshire .. .. .	14.0	36.1	3.4	1.7	3.0	5.4	5.1	9.1	15.0	29.5	57.8	131.0	280.6
III.—SOUTH MIDLAND.													
Middlesex .. .. .	15.8	48.2	3.2	2.1	2.9	3.9	5.4	8.8	16.7	31.2	63.9	136.8	277.8
Hertfordshire .. .. .	13.0	32.7	3.0	1.7	2.8	3.5	3.8	8.3	13.9	26.0	61.3	135.0	360.0
Buckinghamshire .. .. .	13.3	37.4	3.2	2.0	2.6	4.2	5.5	7.2	11.7	26.5	61.1	119.6	240.2
Oxfordshire .. .. .	14.0	40.9	3.0	1.3	2.6	5.8	6.2	9.4	11.8	22.2	55.7	129.8	371.6
Northamptonshire.. .. .	13.7	39.2	3.3	1.4	3.9	4.3	6.0	6.4	13.3	25.2	58.3	121.4	314.4
Huntingdonshire .. .. .	12.2	32.5	4.0	1.2	0.9	4.6	3.4	6.8	13.7	23.9	59.2	110.1	277.8
Bedfordshire.. .. .	13.1	36.8	3.3	2.0	1.7	4.1	5.0	8.7	11.7	28.0	50.8	123.1	220.8
Cambridgeshire .. .. .	13.0	38.7	2.9	1.6	2.3	3.4	5.7	7.5	9.3	23.8	54.1	140.8	253.1
IV.—EASTERN.													
Essex .. .. .	15.3	45.5	3.0	1.9	3.3	4.6	5.4	9.0	15.7	29.8	59.9	133.3	301.5
Suffolk .. .. .	13.0	35.6	2.8	1.5	2.5	3.7	6.0	8.1	12.8	23.1	55.5	128.2	283.5
Norfolk .. .. .	13.5	45.5	2.2	1.9	2.8	3.9	4.8	7.3	10.9	21.5	49.2	128.3	290.8
V.—SOUTH WESTERN.													
Wiltshire .. .. .	13.3	35.2	3.8	1.5	2.7	3.7	4.9	6.8	13.1	24.9	64.8	138.7	282.3
Dorsetshire .. .. .	12.7	30.9	3.0	1.8	3.2	4.9	4.2	7.6	12.7	23.6	56.9	148.9	304.2
Devonshire .. .. .	15.2	43.0	3.1	2.1	4.3	5.1	7.4	9.0	15.3	26.5	59.5	128.0	257.6
Cornwall .. .. .	15.6	50.0	3.3	1.3	2.7	5.0	5.8	9.9	13.4	27.0	61.1	126.9	303.3
Somersetshire .. .. .	14.3	38.8	3.3	2.0	2.8	5.6	5.9	8.5	12.8	29.7	62.7	128.9	249.1
VI.—WEST MIDLAND.													
Gloucestershire .. .. .	16.6	49.5	4.2	2.2	3.3	4.4	5.9	10.1	17.5	32.1	64.0	136.5	296.0
Herefordshire .. .. .	13.6	33.1	1.5	1.1	3.9	4.4	6.7	8.8	13.3	31.7	64.5	113.8	258.1
Shropshire .. .. .	13.9	36.5	2.7	1.8	2.4	4.2	5.4	8.6	15.6	28.5	62.9	127.1	205.0
Staffordshire.. .. .	18.1	59.5	3.9	2.0	2.9	3.7	5.5	10.4	17.5	35.8	72.8	138.5	307.5
Worcestershire .. .. .	14.8	43.4	3.2	2.0	2.5	3.9	5.0	8.0	14.8	29.6	64.7	133.2	271.5
Warwickshire .. .. .	18.2	56.3	4.2	2.2	2.9	4.5	6.7	11.7	19.3	37.0	67.4	138.5	240.7
VII.—NORTH MIDLAND.													
Leicestershire .. .. .	15.2	51.2	3.1	1.4	2.2	4.1	5.8	6.9	13.8	25.1	58.4	138.5	328.2
Rutlandshire.. .. .	10.8	25.4	2.7	1.8	2.3	4.1	4.7	6.6	8.4	20.5	59.2	113.7	160.0
Lincolnshire .. .. .	14.1	44.3	3.1	2.0	2.9	4.2	5.5	8.2	11.1	23.7	56.6	125.7	283.2
Nottinghamshire .. .. .	16.8	56.5	3.0	1.7	2.3	4.4	5.2	8.2	16.0	34.1	67.8	138.4	236.2
Derbyshire .. .. .	15.7	50.4	2.2	2.1	2.6	3.3	4.9	8.0	14.4	32.1	63.8	146.1	294.7
VIII.—NORTH WESTERN.													
Cheshire .. .. .	17.1	49.8	3.7	1.9	2.4	3.7	5.9	10.7	18.1	34.8	73.8	154.0	296.0
Lancashire .. .. .	21.4	65.3	5.3	2.7	3.6	5.0	7.0	13.1	23.6	44.0	86.3	166.9	250.6
IX.—YORK.													
West Riding .. .. .	18.5	59.8	3.7	2.2	3.3	3.9	4.8	9.7	18.2	36.8	79.3	162.9	285.2
East Riding (with York).. .. .	18.6	52.6	4.8	2.2	2.9	4.4	5.6	10.2	16.6	30.7	61.4	131.7	255.8
North Riding .. .. .	16.8	56.0	4.6	1.9	3.7	4.2	5.8	10.4	14.5	29.5	60.0	129.8	282.1
X.—NORTHERN.													

TABLE 17.—ENGLAND AND WALES.—Death-rates per 1000 living, at Twelve Groups of Ages and General Death-rates corrected for Age-constitution in Registration Counties, 1902.\*—Females.

REGISTRATION COUNTY.	ALL AGES †	0—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	85 & upwards.
ENGLAND AND WALES	15.2	44.5	4.1	2.3	3.1	3.8	5.3	8.5	13.6	26.1	56.6	123.0	259.1
I.—LONDON.													
London.. .. .	16.2	50.8	4.2	2.2	2.6	3.2	4.7	9.3	15.1	28.6	57.9	126.6	270.2
II.—SOUTH EASTERN.													
Surrey .. . . .	12.2	32.5	2.9	1.4	2.2	2.2	3.4	6.5	10.9	22.4	52.0	124.2	262.9
Kent .. . . .	14.4	37.6	5.3	3.3	3.6	5.0	6.2	8.4	13.8	22.9	48.5	121.9	248.4
Sussex .. . . .	11.8	30.7	3.0	1.9	3.0	3.4	4.5	6.1	10.2	20.5	44.5	111.9	261.4
Hampshire .. . . .	12.8	35.1	3.4	2.1	2.9	3.3	4.9	7.1	11.6	21.7	46.6	114.0	266.3
Berkshire .. . . .	12.0	29.2	4.3	1.9	2.8	4.2	3.8	6.5	9.7	21.2	49.7	119.8	230.2
III.—SOUTH MIDLAND													
Middlesex .. . . .	13.9	40.2	4.2	2.3	2.3	2.8	4.1	7.1	12.4	23.6	53.7	122.3	299.8
Hertfordshire .. . . .	11.5	26.6	2.8	1.9	3.1	3.3	4.4	5.2	10.8	20.9	46.2	127.1	271.9
Buckinghamshire .. . . .	11.6	27.9	2.9	2.3	3.2	3.0	4.4	6.4	8.5	18.2	46.2	129.3	315.3
Oxfordshire .. . . .	12.4	36.5	3.1	1.9	2.4	2.6	4.1	6.2	9.6	20.0	48.9	120.0	241.6
Northamptonshire.. . . .	12.0	30.5	1.9	2.0	3.2	4.7	4.9	6.9	10.4	18.9	43.9	117.1	296.9
Huntingdonshire .. . . .	10.5	25.3	0.8	2.9	3.9	4.0	5.2	5.1	5.3	17.0	42.1	118.6	245.3
Bedfordshire .. . . .	11.5	30.6	1.9	1.8	1.9	2.7	4.3	4.6	9.0	22.1	48.9	112.0	304.0
Cambridgeshire .. . . .	11.4	31.2	3.0	1.2	2.5	3.0	3.8	6.6	9.7	16.9	46.3	114.3	250.6
IV.—EASTERN.													
Essex .. . . .	13.4	36.9	3.2	2.1	3.1	3.5	4.6	7.2	11.9	23.2	52.0	120.0	273.7
Suffolk .. . . .	12.4	30.4	2.9	2.0	3.9	4.7	5.3	6.8	10.1	19.4	48.7	127.6	250.7
Norfolk .. . . .	12.0	35.2	3.0	1.9	3.2	4.1	4.1	5.9	10.1	18.5	42.0	110.7	269.5
V.—SOUTH WESTERN.													
Wiltshire .. . . .	12.1	28.2	3.5	1.6	2.5	3.8	4.9	6.3	9.9	21.9	54.7	115.2	255.1
Dorsetshire .. . . .	11.6	27.0	3.3	1.4	3.4	3.8	3.8	6.1	12.4	17.6	48.3	114.5	293.8
Devonshire .. . . .	13.2	38.1	3.3	1.7	3.3	3.8	4.9	7.3	11.1	21.3	50.2	109.8	275.9
Cornwall .. . . .	13.7	44.3	2.7	2.2	3.2	3.7	5.2	6.6	9.5	24.0	48.6	113.6	217.5
Somersetshire .. . . .	11.6	27.6	3.5	1.8	2.8	3.9	4.1	5.9	11.0	21.2	48.5	112.6	233.5
VI.—WEST MIDLAND.													
Gloucestershire .. . . .	14.3	42.7	4.3	2.3	3.2	3.3	4.8	7.7	12.3	22.4	55.0	115.9	254.8
Herefordshire .. . . .	11.9	29.7	1.5	2.3	3.5	3.8	5.2	6.9	10.1	19.0	49.5	111.2	241.4
Shropshire .. . . .	12.0	29.3	3.2	1.4	1.6	2.7	4.4	7.2	11.2	22.2	53.1	114.8	250.6
Staffordshire .. . . .	15.9	49.1	3.9	2.0	3.0	3.9	5.4	8.9	13.3	27.1	60.0	128.7	252.1
Worcestershire .. . . .	13.0	37.5	2.8	1.9	2.1	3.1	4.6	6.2	11.9	23.6	52.7	113.3	244.7
Warwickshire .. . . .	15.8	49.1	4.5	2.0	2.6	3.5	5.0	9.4	14.9	24.8	59.9	120.3	249.0
VII.—NORTH MIDLAND.													
Leicestershire .. . . .	13.5	39.8	2.4	2.1	2.8	3.4	5.0	6.8	12.1	23.0	50.6	115.6	273.0
Rutlandshire .. . . .	10.3	32.2	4.7	2.0	—	—	4.6	4.6	5.9	17.1	42.6	66.9	394.7
Lincolnshire .. . . .	12.7	36.6	3.1	2.3	2.9	3.6	5.4	6.6	10.3	19.1	48.1	109.0	251.1
Nottinghamshire .. . . .	15.1	44.2	3.7	2.0	3.1	3.3	5.5	8.7	13.1	25.0	55.3	131.6	282.5
Derbyshire .. . . .	14.4	39.9	3.1	1.6	3.0	3.5	4.6	7.4	13.8	24.1	55.1	145.1	308.0
VIII.—NORTH WESTERN.													
Cheshire .. . . .	15.1	39.8	4.0	2.0	3.0	3.4	5.9	8.3	14.8	29.8	62.2	122.7	255.8
Lancashire .. . . .	18.7	54.8	5.6	2.7	3.4	4.2	6.1	10.7	17.7	35.0	73.4	138.3	244.3
IX.—YORK.													
West Riding .. . . .	16.3	48.1	4.2	2.4	3.5	3.9	5.2	8.4	14.0	28.0	64.2	140.6	271.6
East Riding (with York).. . . .	14.9	44.5	4.7	2.7	2.7	4.1	6.5	8.6	12.6	23.2	51.5	117.3	246.4
North Riding.. . . .	14.9	45.8	4.8	2.5	3.1	4.3	5.7	7.2	12.9	23.7	51.7	114.6	270.7
X.—NORTHERN.													
Durham .. . . .	17.5	52.1	4.9	3.1	3.9	4.7	6.7	9.7	15.1	28.4	65.1	137.7	251.8
Northumberland .. . . .	17.7	49.0	5.1	2.4	3.9	4.7	6.8	10.8	15.9	31.6	65.3	145.8	309.7
Cumberland .. . . .	15.2	35.2	3.9	3.2	2.6	5.0	6.2	9.5	12.4	29.1	66.2	142.6	218.4
Westmorland .. . . .	10.1	17.5	2.4	0.9	2.8	3.2	3.4	6.5	10.0	21.7	42.8	124.4	233.3
XI.—WELSH.													
Monmouthshire .. . . .	16.3	50.2	4.5	2.2	3.1	4.0	6.5	9.3	14.5	28.4	61.5	116.1	196.2
South Wales .. . . .	16.8	51.1	4.9	3.0	3.8	5.8	7.1	9.9	13.7	28.5	58.8	110.4	216.6
North Wales .. . . .	15.0	37.6	3.7	2.9	4.2	4.6	7.3	10.3	12.6	24.3	59.1	121.3	251.1

\* The populations used (see Table 28) are distributed among the several groups of ages according to the proportions found to prevail at the Census of 1901.  
 † The death-rates in this column differ from those in Table 11 and some other tables, having been corrected for differences of age-constitution.

TABLE 18.—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million Persons living, in Groups of Years, 1866-1900.

CAUSES OF DEATH.	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
	1866-70.	1871-75.	1876-80.	1881-85.	1886-90.	1891-95.	1896-1900.
All Causes .. . . .	22424.6	21962.4	20791.0	19403.0	18894.6	18718.0	17685.4
Small-pox .. . . .	104.8	410.8	78.4	78.0	13.6	20.0	6.6
Measles .. . . .	428.4	373.2	384.8	413.0	468.4	407.2	421.0
Scarlet Fever .. . . .	959.8	758.6	679.6	435.8	240.6	182.2	134.6
Typhus .. . . .	849.8	81.4	34.2	22.8	6.6	3.8	1.4
Pyrexia* (Origin uncertain) .. . . .		140.2	69.2	34.2	16.6	8.0	4.2
Enteric Fever.. . . .	373.8	277.2	216.0	179.2	173.6	174.8	
Whooping Cough .. . . .		545.0	498.6	527.0	456.6	443.6	397.8
Diphtheria .. . . .	126.8	120.8	121.8	156.2	169.6	252.6	272.4
Croup .. . . .	208.0	184.2	154.2	163.4	125.8	70.0	34.2
Diarrhoea, Dysentery, and Cholera	1235.2	1031.0	852.8	672.0	681.0	651.4	817.0
Malaria .. . . .	10.0	8.4	7.8	11.4	6.4	4.0	3.2
Rabies, Hydrophobia .. . . .	0.8	2.0	1.8	1.2	0.6	0.2	0.0
Venereal Diseases .. . . .	90.8	92.6	95.6	93.4	83.6	79.8	69.0
Puerperal Septic Diseases and Childbirth.	161.6	194.2	142.0	165.0	142.6	167.8	137.6
Pneumonia .. . . .	1069.6	1025.4	999.4	1001.8	1130.6	1251.4	1202.6
Erysipelas .. . . .	82.4	105.6	80.8	82.8	54.2	47.8	35.2
Phthisis .. . . .	2447.8	2218.0	2039.8	1830.4	1635.4	1462.2	1322.6
Alcoholism .. . . .	35.4	37.6	42.4	48.2	56.0	67.8	85.8
Rheumatic Fever, Rheum. of Heart.	115.0	127.2	62.0	97.6	89.2	88.0	82.8
Chronic Rheumatism .. . . .			77.0	34.8	33.0	31.6	28.6
Cancer .. . . .	403.8	445.6	493.6	547.6	631.6	711.4	800.2
Diabetes Mellitus .. . . .	31.8	35.8	40.4	51.4	62.4	69.2	81.0
Premature Birth .. . . .	406.0	446.8	472.8	475.2	507.2	561.8	574.2
Congenital Defects .. . . .	64.8	65.6	84.4	84.4	80.6	84.8	85.0
Epilepsy .. . . .	114.2	115.4	114.8	111.8	106.6	94.4	85.6
Heart and Blood Vessel Diseases	?	?	2474.6	2383.0	2581.2	2504.0	2417.0
Bronchitis .. . . .	1907.8	2220.8	2377.4	2153.6	2136.0	2074.2	1563.0
Cirrhosis of Liver .. . . .	41.9	71.9	109.6	119.6	122.2	120.0	134.6
Bright's Disease .. . . .	106.0	136.8	188.2	222.0	248.4	257.0	278.0
Old Age .. . . .	1275.8	1206.8	1072.2	1015.0	975.8	929.2	928.2

\* Formerly called Simple Continued Fever

TABLE 19.—ENGLAND AND WALES—Deaths from Various Causes, 1883-1902.—Persons.

Note.—The terms printed in italics, being the names of symptoms merely, or being unauthorized or otherwise objectionable, should be used in medical certificates only when precise information is unobtainable.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
ALL CAUSES .. .. .	522997	530828	522750	537276	530758	510971	518353	562248	587925	559684	509958	498827	568997	526727	541487	552141	581799	587830	551585	535538
Small-pox { Vaccinated .. .. .	78	493	580	25	42	91	4	4	3	55	150	153	33	45	6	107	4	7	141	821
{ Not Vaccinated .. .. .	162	595	795	43	111	269	2	—	17	106	253	176	61	118	5	59	5	17	111	791
{ Doubtful .. .. .	717	1146	1452	207	353	666	17	12	29	270	1054	491	129	378	14	87	165	61	104	852
Cow-pox and other effects of Vaccination .. .. .	55	53	52	45	45	45	58	43	43	58	59	50	56	42	36	26	34	25	17	22
Chicken-pox .. .. .	99	129	109	93	87	116	83	95	91	123	127	108	86	151	103	116	124	127	115	123
Measles (Morbilli) .. .. .	9329	11324	14495	12013	16765	9784	14732	12614	12673	13553	11110	11757	11491	17618	12711	13220	9998	12710	9019	12930
German Measles .. .. .	105	87	113	98	182	123	148	77	51	78	45	52	30	56	44	40	37	37	58	31
Scarlet Fever .. .. .	12649	10863	6355	5986	7859	6378	6698	6974	4959	5618	6982	5032	4532	5476	4577	3548	3722	3844	4339	4875
Typhus .. .. .	877	328	318	245	211	160	137	151	137	85	137	115	58	71	49	47	29	29	37	61
Plague .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2
Relapsing Fever .. .. .	16	12	10	7	9	8	3	3	11	7	9	7	7	2	2	3	—	—	5	5
Influenza .. .. .	107	72	138	83	85	92	55	4523	16686	15737	9669	6625	12880	3753	6088	10405	12417	16245	5666	7366
Whooping-cough .. .. .	10471	11476	13106	12936	11251	12287	12225	13756	13612	13406	10176	12354	9594	13266	11431	10175	10129	11467	10205	9805
Mumps .. .. .	86	57	95	73	87	86	79	78	77	84	77	61	54	77	85	59	72	94	90	93
Diphtheria .. .. .	4218	5020	4471	4098	4443	4815	5368	5150	5036	6552	9466	8774	7895	8993	7654	7661	9295	9345	8898	7802
Cerebro-spinal Fever .. .. .	38	32	27	40	24	18	23	38	31	29	13	23	23	11	10	11	21	9	59	60
Pyrexia* (origin uncertain) .. .. .	963	768	662	605	507	436	413	361	325	244	265	203	157	164	120	136	113	113	101	93
Enteric Fever .. .. .	6078	6380	4765	5061	5155	4848	5011	5146	4875	4037	6801	4781	5326	5125	4851	5708	6304	5591	5071	4149
Asiatic Cholera .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
Food, Ptomaine-poisoning .. .. .	3	8	3	2	5	9	5	3	10	6	32	26	26	24	38	57	69	68	65	94
Epidemic Diarrhœa, Infective Enteritis																			11864	4915
Diarrhœa (not otherwise defined) .. .. .	16325	27217	13706	25284	20704	13059	18764	17837	13962	15336	29721	10763	27392	17388	27051	30096	30971	23463	17946	8884
Dysentery .. .. .	51	42	42	51	42	51	50	39	47	45	32	28	30	28	26	29	24	66	57	201
Tetanus .. .. .	288	276	227	215	193	159	158	146	133	110	120	88	109	106	118	91	94	109	98	112
Malaria .. .. .	34	28	60	26	29	14	30	8	7	6	4	13	20	8	6	2	—	—	—	2
Rabies, Hydrophobia .. .. .	2	2	5	5	6	2	8	3	4	5	6	2	3	1	6	4	5	2	4	5
Glanders .. .. .	8	18	11	11	11	12	7	4	3	6	7	10	13	9	18	18	21	10	12	13
Anthrax (Splenic Fever) .. .. .																				
Syphilis .. .. .	2313	2280	2196	2231	2064	1927	2053	2056	1964	2041	2154	2011	2099	1832	1879	1801	1793	1842	1721	1693
Gonorrhœa .. .. .	257	291	256	294	294	285	275	276	343	306	303	322	331	352	379	335	344	367	356	31

\* Formerly called Simple Continued Fever.

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TABLE 20.—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Persons.

Note.—The terms printed in italics, being the names of symptoms merely, or being unauthorized or otherwise objectionable, should be used in medical certificates only when precise information is unobtainable.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
ALL CAUSES .. .. .	19642	19663	19204	19521	19073	18111	18221	19547	20213	18971	19151	16570	18685	17053	17379	17518	18249	18228	16909	16230
Small-pox { Vaccinated .. .. .	3	18	21	1	2	3	0	0	0	2	5	5	1	1	0	3	0	0	4	25
{ Not Vaccinated .. .. .	6	22	29	2	4	10	0	—	1	4	9	6	2	4	0	2	0	1	3	24
{ Doubtful .. .. .	27	42	53	8	13	24	1	0	1	9	35	16	4	12	0	3	5	2	3	26
Cow-pox and other effects of Vaccination .. .. .	2	2	2	2	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1
Chicken-pox .. .. .	4	5	4	3	3	4	3	3	3	4	4	4	3	5	3	4	4	4	4	4
Measles (Morbilli) .. .. .	350	419	533	436	602	347	518	439	436	459	373	391	377	570	408	419	314	394	276	392
German Measles .. .. .	4	3	4	4	7	4	5	3	2	3	2	2	1	2	1	1	1	1	2	1
Scarlet Fever .. .. .	475	402	233	218	282	226	235	242	170	190	235	167	149	177	147	113	117	119	133	148
Typhus .. .. .	33	12	12	9	8	6	5	5	5	3	5	4	4	2	2	1	1	1	1	2
Plague .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	0
Relapsing Fever .. .. .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza .. .. .	4	3	5	3	3	3	2	157	574	533	325	220	423	122	195	330	389	504	174	223
Whooping-cough .. .. .	393	425	481	470	404	436	430	478	468	454	342	410	315	429	367	323	318	356	313	297
Mumps .. .. .	3	2	3	3	3	3	3	3	3	3	3	3	2	2	3	2	2	3	3	3
Diphtheria .. .. .	158	186	164	149	160	171	189	179	173	222	318	291	259	291	246	243	292	290	273	236
Cerebro-spinal Fever .. .. .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	2	2
Pyrexia* (origin uncertain) .. .. .	36	28	24	22	18	15	15	13	11	8	9	7	5	5	4	4	4	4	3	3
Enteric Fever .. .. .	228	236	175	184	185	172	176	179	168	137	229	159	175	166	156	181	198	173	155	126
Asiatic Cholera .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
Food, Ptomaine-poisoning .. .. .	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	3
Epidemic Diarrhœa, Infective Enteritis																			364	149
Diarrhœa (not otherwise defined) .. .. .	613	1008	503	918	744	463	660	620	480	520	999	358	900	563	868	955	971	728	550	269
Dysentery .. .. .	2	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	2	10	8
Tetanus .. .. .	11	11	8	8	7	6	6	5	5	4	4	3	4	3	4	3	3	3	3	3
Malaria .. .. .	1	1	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabies, Hydrophobia .. .. .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glanders .. .. .	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
Anthrax (Splenic Fever) .. .. .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis .. .. .	87	84	81	81	74	68	72	71	68	69	72	67	69	59	60	57	56	57	53	51
Gonorrhœa .. .. .	10	11	9	11	11	10	10	10	12	10	10	11	11	11	12	11	11	11	11	11

\* Formerly called Simple Continued Fever.

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TABLE 19 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Puerperal Septicæmia, Puerp. Septic Intoxication	2701	2580	2534	2160	2521	2457	1909	2016	2069	2439	3094	2257	1927	2123	1898	1767	1973	2017	1490	1464
Puerperal Pyæmia																			37	54
Phlegmasia Alba Dolens																			74	95
Puerperal Fever (not otherwise defined)																			478	390
Infective Endocarditis*	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Pneumonia	28195	26246	29376	28098	30983	30844	29071	40373	42799	36891	38247	32577	35609	35405	34835	35462	39845	44300	373	379
Lobar																			2246	3475
Broncho-Epidemic (not defined)																			15006	18608
Erysipelas	2166	2145	1996	1523	1853	1635	1209	1375	1263	1474	1921	1353	1099	1101	1014	970	1227	1227	1158	1280
Septicæmia, Septic Intoxication (not Puerperal)	608	712	647	516	484	546	471	532	478	529	669	567	521	573	577	508	655	735	258	351
Pyæmia (not Puerperal)	419	440	466	430	427	461	394	485	470	545	606	488	518	554	586	563	640	693	171	233
Phlegmon, Carbuncle (not Anthrax)	71	69	65	46	39	73	50	42	54	52	78	44	66	36	53	45	38	43	708	791
Phagedæna	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	36	32
Other Infective Processes	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	212	111
Pulmonary Tuberculosis (Tuberculous Phthisis)	50053	49325	48175	47872	44935	44248	44738	48366	46515	43323	43632	41641	42490	40251	41642	41335	42408	42987	7562	10480
Phthisis (not otherwise defined)																			33662	30191
Tuberculous Meningitis	6986	7124	6874	7073	6581	6743	6647	6889	7180	6691	6725	6345	6746	6475	6606	6681	6449	6395	5954	5061
Tuberculous Peritonitis	7683	8367	6825	8265	7034	6774	7645	7632	7301	7135	7867	5763	7389	6044	6255	6357	6294	5976	2933	2957
Tabes Mesenterica	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	3195	2346
Lupus	72	74	63	73	75	80	70	69	78	78	57	62	68	66	54	53	61	54	65	72
Tubercle of other Organs	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	1146	1178
General Tuberculosis	4268	4592	4284	4865	4971	4917	5205	5443	5911	5866	5518	5552	6084	5521	5438	5766	5508	5944	4071	4048
Scrofula	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	342	163
Parasitic Diseases	1039	1046	829	990	824	709	707	702	658	617	577	455	530	438	393	403	389	365	348	277
Starvation	44	54	44	20	34	47	41	52	71	61	71	53	50	33	41	46	43	41	18	26
Scurvy	10	6	19	17	22	20	22	21	20	20	18	23	34	20	34	26	34	44	31	30
Alcoholism, Delirium Tremens	1283	1269	1334	1392	1442	1451	1566	2037	2055	1971	2174	1842	2045	2188	2397	2464	2871	3638	3131	2784

\* For years prior to 1901, deaths from Infective Endocarditis are included under the heading "Valvular Disease, Endocarditis." (See p. civ.)

TABLE 20 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Puerperal Septicæmia, Puerp. Septic Intoxication	101	95	93	79	91	88	67	70	71	83	104	75	63	69	61	56	62	63	46	44
Puerperal Pyæmia																			1	2
Phlegmasia Alba Dolens																			1	3
Puerperal Fever (not otherwise defined)																			15	12
Infective Endocarditis*	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Pneumonia	1059	972	1079	1021	1113	1093	1022	1404	1471	1250	1285	1082	1169	1146	1118	1125	1250	1374	460	105
Lobar																			69	564
Broncho-Epidemic (not defined)																			3	0
Erysipelas	81	79	73	55	67	58	43	48	43	50	65	45	36	36	33	31	38	38	35	39
Septicæmia, Septic Intoxication (not Puerperal)	23	26	24	19	17	19	17	18	16	18	22	19	17	19	19	16	21	23	8	11
Pyæmia (not Puerperal)	16	17	18	16	15	16	14	17	16	18	20	16	17	18	19	18	20	21	5	7
Phlegmon, Carbuncle (not Anthrax)	3	3	2	2	1	3	2	1	2	2	3	1	2	1	2	1	1	1	1	1
Phagedæna	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	1	1
Other Infective Processes	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	6	3
Pulmonary Tuberculosis (Tuberculous Phthisis)	1880	1827	1770	1739	1615	1568	1573	1682	1599	1468	1466	1383	1395	1303	1336	1311	1330	1333	232	318
Phthisis (not otherwise defined)																			1032	915
Tuberculous Meningitis	262	264	253	257	236	239	234	240	247	227	226	211	222	210	212	212	202	198	183	181
Tuberculous Peritonitis	289	310	251	300	253	240	269	265	251	242	264	191	243	196	201	202	197	185	90	90
Tabes Mesenterica	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	98	71
Lupus	3	3	2	3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2
Tubercle of other Organs	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	35	36
General Tuberculosis	160	170	157	177	179	174	183	189	203	199	185	184	200	179	175	183	173	184	125	123
Scrofula	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	10	5
Parasitic Diseases	39	39	30	35	30	25	25	24	23	21	19	15	17	14	13	13	12	11	11	8
Starvation	2	2	2	1	1	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1
Scurvy	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Alcoholism, Delirium Tremens	48	47	49	51	52	52	55	70	71	67	73	61	67	71	77	78	90	113	96	84

See note to Table 19.

TABLE 19 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Opium, Morphia-habit .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	9	14
Industrial Poisoning:—																				
By Lead .. .. .	78	70	87	93	100	105	113	116	131	123	133	131	142	125	127	133	103	114	101	83
" Phosphorus .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	2
" Arsenic and other Metals .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	4	1
Rheumatic Fever, Acute Rheumatism .. .. .	2357	2714	2912	2530	2650	2697	2258	2418	2547	2523	3085	2646	2257	2677	2527	2415	2647	2787	2170	2146
<i>Rheumatism of Heart</i> .. .. .																			615	629
Chronic Rheumatism .. .. .	1015	873	868	867	981	942	897	938	1067	1029	878	799	888	850	914	905	923	894	790	506
Rheumatic Arthritis, Rheumatic Gout .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	848	811
Gout .. .. .	524	535	587	524	573	558	545	604	653	600	619	565	606	579	570	522	559	504	521	489
Carcinoma* .. .. .	14614	15198	15560	16243	17113	17506	18654	19433	20117	20353	21135	21422	22945	23521	?	?	?	?	12693	13540
<i>Sarcoma</i> .. .. .															1485	1551	1706	1611	1676	1690
<i>Cancer, Malignant Disease (not otherwise defined)*</i> .. .. .															22958	23645	24619	25110	13118	12642
Rickets .. .. .	529	607	608	788	660	842	960	1124	1244	1321	1245	1230	1617	1233	1427	1396	1335	1293	1384	1369
Purpura .. .. .	338	351	307	327	303	299	375	294	378	316	361	369	361	334	340	374	332	320	302	298
Hæmophilia, Hæmorrhagic Diathesis .. .. .																			79	88
Anæmia, Leucocythæmia .. .. .	1062	1027	1102	1267	1315	1479	1432	1389	1558	1549	1524	1620	1883	1840	1849	1824	1866	1872	1911	1842
Diabetes Mellitus .. .. .	1369	1475	1524	1634	1750	1773	1754	1863	1930	2011	2082	2037	2265	2286	2426	2585	2718	2767	2964	2769
Premature Birth .. .. .	12872	13076	12904	13642	14088	14063	14439	15208	16451	16577	17263	15837	17508	17384	17779	18352	18548	18479	18564	18909
Congenital Defects .. .. .	2140	2309	2375	2343	2207	2209	2276	2253	2366	2503	2582	2627	2571	2573	2621	2617	2739	2868	4078	4358
Injury at Birth .. .. .	34	37	63	51	43	88	51	83	50	73	128	120	134	178	166	162	333	448	603	651
Atelectasis .. .. .	602	543	674	667	707	825	745	757	922	939	986	969	1079	1235	1075	1147	1199	1225	1184	1255
Want of Breast Milk .. .. .	426	247	225	227	267	261	269	232	260	273	347	231	258	295	320	318	332	459	545	574
Teething .. .. .	4762	4942	4653	4899	4219	4235	4366	4542	4661	4242	4057	3553	4193	3721	3728	3542	3396	3601	3268	3208

\* For the years 1897-1900, deaths from Carcinoma are included under the heading "Cancer, Malignant Disease."

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TABLE 20 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Opium, Morphia-habit .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0
Industrial Poisoning:—																				
By Lead .. .. .	3	3	3	3	4	4	4	4	5	4	4	4	5	4	4	4	3	4	3	3
" Phosphorus .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0
" Arsenic and other Metals .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0
Rheumatic Fever, Acute Rheumatism .. .. .	89	101	107	92	95	96	79	84	88	86	104	88	74	87	81	77	83	86	67	65
<i>Rheumatism of Heart</i> .. .. .																			19	19
Chronic Rheumatism .. .. .	38	32	32	32	35	33	32	33	37	35	30	27	29	28	29	29	29	28	24	15
Rheumatic Arthritis, Rheumatic Gout .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	26	25
Gout .. .. .	20	20	22	19	21	20	19	21	22	20	21	19	20	19	18	17	18	16	16	15
Carcinoma* .. .. .	549	563	572	590	615	621	656	676	692	690	710	712	753	762	?	?	?	?	389	410
<i>Sarcoma</i> .. .. .															48	49	54	50	51	51
<i>Cancer, Malignant Disease (not otherwise defined)*</i> .. .. .															737	750	772	779	402	383
Rickets .. .. .	20	22	22	29	24	30	34	39	43	45	42	41	53	40	46	44	42	40	42	41
Purpura .. .. .	13	13	11	12	11	11	13	10	13	11	12	12	12	11	11	12	10	10	9	9
Hæmophilia, Hæmorrhagic Diathesis .. .. .																			2	3
Anæmia, Leucocythæmia .. .. .	40	38	40	46	47	52	50	48	54	53	51	54	62	60	59	58	59	58	59	56
Diabetes Mellitus .. .. .	51	55	56	59	63	63	62	65	66	68	70	68	74	74	78	82	85	86	91	84
Premature Birth .. .. .	483	484	474	495	506	498	508	529	566	562	580	526	575	563	571	582	582	573	569	573
Congenital Defects .. .. .	81	85	87	85	81	78	80	79	81	85	87	87	84	83	84	83	86	89	125	132
Injury at Birth .. .. .	1	1	2	2	2	3	2	3	2	2	4	4	4	6	5	5	10	14	18	20
Atelectasis .. .. .	23	20	25	24	25	29	26	26	32	32	33	32	35	40	35	36	38	38	36	38
Want of Breast Milk .. .. .	16	9	8	8	10	9	9	8	9	9	12	8	8	10	10	10	10	14	17	17
Teething .. .. .	179	183	171	178	152	150	153	158	160	144	136	118	138	120	120	112	107	100	97	97

\* See note to Table 19.

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TABLE 19 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Meningitis, Inflammation of Brain .. .. .	8490	8625	8526	9309	8924	8689	8561	9030	8455	7832	8108	6893	7561	7284	7429	7556	7555	7636	7073	6572
Softening of Brain .. .. .	3142	3264	3385	3472	3461	3264	3299	3464	3275	3123	3023	2609	2748	2550	2489	2583	2546	2261	2161	2070
General Paralysis of Insane .. .. .	2988	2865	2704	2367	2473	2591	2750	2666	2795	2678	2961	3024	3620	3379	3703	3582	3811	4182	2272	2257
Insanity (not Puerperal) .. .. .	103	113	146	104	106	106	95	106	134	109	127	122	126	124	144	151	172	168	1359	1726
Chorea .. .. .	3134	3136	3164	3164	2984	2900	2915	3045	3054	2809	2811	2555	2826	2581	2528	2658	2746	2997	191	160
Epilepsy .. .. .	22677	23056	22002	22873	21659	20764	21505	21535	22222	20687	20856	18126	20484	18347	18384	18165	18019	18502	2883	3005
Convulsions .. .. .	836	769	729	709	692	757	680	653	802	711	604	493	600	520	512	502	435	436	468	439
Laryngismus Stridulus .. .. .	1495	1573	1709	1922	1845	1895	1899	2001	2139	2037	2035	2080	2269	2070	2206	2250	2416	2412	409	483
Locomotor Ataxy .. .. .	4843	4671	4653	4597	4622	4719	4126	3597	3682	3396	3705	3122	3437	3108	2953	2895	2956	2342	2281	2056
Paraplegia, Diseases of Cord .. .. .																			132	351
Neuritis, Peripheral, Poly-Neuritis .. .. .																			385	598
Brain Tumour (not Specific) .. .. .																			4232	3806
Other Diseases of Nervous System .. .. .																				
Otitis, Mastoid Disease .. .. .	343	391	415	409	408	516	509	589	567	614	771	733	828	832	905	895	904	1030	934	914
Epistaxis, Diseases of Nose .. .. .	89	78	69	89	93	88	82	72	85	86	95	88	76	95	91	82	76	78	78	79
Ophthalmia, Diseases of Eye .. .. .	50	60	60	70	82	68	73	53	48	55	64	65	72	57	66	50	53	76	71	60
Valvular Disease, Endocarditis (not Infective)* .. .. .	5901	6238	6770	7088	7339	7616	7662	8356	9238	8772	9130	9315	10072	10220	10644	11059	12118	12882	12494	13003
Pericarditis .. .. .	456	448	480	476	515	567	431	636	668	608	662	607	527	550	554	535	604	623	636	438
Hypertrophy of Heart .. .. .	391	386	372	339	299	343	305	280	341	300	255	218	256	213	197	206	247	241	210	273
Angina Pectoris .. .. .	567	632	606	575	608	694	678	662	727	650	639	646	696	708	714	642	698	736	675	728
Dilatation of Heart .. .. .	29133	29980	32415	33429	34200	35102	34723	37114	38472	35798	34253	32568	36068	33034	34410	34287	36513	36382	2199	2603
Fatty Degeneration of Heart .. .. .																			1942	2107
Syncope, Heart Disease (not specified)† .. .. .																			30066	29043
Cerebral Hæmorrhage, Cerebral Embolism‡ .. .. .	24584	24192	24560	25519	25115	25013	24423	25583	26412	25069	24497	22584	24527	23638	24371	24275	25249	25214	10734	12016
Apoplexy, Hemiplegia .. .. .	758	834	853	874	755	782	824	833	750	810	855	851	849	840	879	889	899	875	13193	11783
Aneurysm .. .. .	1175	1211	1366	1474	1430	1455	1424	1433	1568	1408	1239	1281	1331	1187	1284	1257	1278	1443	967	1067
Senile Gangrene .. .. .	913	904	953	941	1049	1096	1103	1052	1106	1076	1177	1149	1314	1369	1347	1394	1581	1700	1406	1393
Embolism, Thrombosis (not Cerebral)‡ .. .. .	128	138	157	120	181	126	130	148	164	169	170	125	135	153	148	161	180	194	586	511
Phlebitis .. .. .	83	86	91	84	88	93	101	89	107	110	111	99	81	100	104	97	89	121	163	147
Varicose Veins .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	110	103
Other Diseases of Blood Vessels† .. .. .																			1224	1329

\* For years prior to 1901, deaths from Infective Endocarditis are included under the heading "Valvular Disease, Endocarditis (not Infective)." (See also p. c.)  
 † For years prior to 1901, deaths from "Other Diseases of Blood Vessels" are included under the heading "Syncope, Heart Disease (not specified)."  
 ‡ For years prior to 1901, deaths from Cerebral Embolism and from Cerebral Thrombosis are included under the heading "Embolism, Thrombosis (not Cerebral)."

TABLE 20 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Meningitis, Inflammation of Brain .. .. .	319	319	313	338	321	308	301	314	291	265	272	229	248	236	238	240	237	237	217	199
Softening of Brain .. .. .	118	121	124	126	124	116	116	120	113	106	102	87	90	83	80	82	80	70	66	63
General Paralysis of Insane .. .. .	112	106	99	86	89	92	97	93	96	91	99	100	119	109	119	114	120	130	70	68
Insanity (not Puerperal) .. .. .	4	4	5	4	4	4	3	4	5	4	4	4	4	4	5	5	5	5	6	5
Chorea .. .. .	118	116	116	115	107	103	102	106	105	95	94	85	93	84	81	84	86	93	88	91
Epilepsy .. .. .	854	854	808	831	778	730	756	749	764	701	701	602	673	594	590	576	565	574	542	502
Convulsions .. .. .	31	28	27	26	25	27	24	23	28	24	20	16	20	17	16	14	14	14	14	13
Laryngismus Stridulus .. .. .	56	58	63	70	66	67	67	70	74	69	68	69	75	67	71	71	76	75	13	15
Locomotor Ataxy .. .. .	182	173	171	165	166	167	144	125	127	115	124	104	113	101	95	92	93	73	70	62
Paraplegia, Diseases of Cord .. .. .																			4	11
Neuritis, Peripheral, Poly-Neuritis .. .. .																			12	18
Brain Tumour (not Specific) .. .. .																			130	115
Other Diseases of Nervous System .. .. .																				
Otitis, Mastoid Disease .. .. .	13	14	15	15	15	18	18	20	19	21	26	24	27	27	29	28	28	32	29	28
Epistaxis, Diseases of Nose .. .. .	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	2	2	2
Ophthalmia, Diseases of Eye .. .. .	2	2	2	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
Valvular Disease, Endocarditis (not Infective)* .. .. .	222	231	249	258	264	270	269	290	318	297	307	309	331	331	342	351	380	399	383	394
Pericarditis .. .. .	17	17	18	17	19	20	15	22	23	21	22	20	17	18	17	19	19	19	19	13
Hypertrophy of Heart .. .. .	15	14	14	12	11	12	11	10	12	10	9	7	8	7	6	7	8	7	6	8
Angina Pectoris .. .. .	21	23	22	21	22	25	24	23	25	22	21	21	23	23	23	20	22	23	21	22
Dilatation of Heart .. .. .	1094	1111	1191	1215	1229	1244	1220	1290	1323	1213	1151	1082	1184	1070	1104	1088	1145	1128	67	79
Fatty Degeneration of Heart .. .. .																			60	64
Syncope, Heart Disease (not specified)* .. .. .																			922	880
Cerebral Hæmorrhage, Cerebral Embolism* .. .. .	923	896	903	927	902	886	859	890	908	850	823	750	805	765	782	770	792	782	329	364
Apoplexy, Hemiplegia .. .. .	28	31	31	32	27	28	29	29	26	27	29	28	28	27	28	28	28	27	404	357
Aneurysm .. .. .	44	45	50	54	51	52	50	50	54	48	42	43	44	38	41	40	40	45	30	32
Senile Gangrene .. .. .	34	33	35	34	37	39	39	37	38	36	40	38	43	44	43	44	50	53	43	42
Embolism, Thrombosis (not Cerebral)* .. .. .	5	5	6	4	7	4	5	5	6	6	6	4	4	5	5	5	6	6	5	4
Phlebitis .. .. .	3	3	3	3	3	3	4	3	4	4	4	3	3	3	3	3	3	3	3	3
Varicose Veins .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	38	40
Other Diseases of Blood Vessels* .. .. .																				

\* See note to Table 19.

TABLE 19 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Laryngitis .. .. .	1499	1650	1597	1440	1605	1590	1438	1556	1402	1400	1651	1392	1372	1428	1284	1189	1323	1384	1409	1336
Membranous Laryngitis (not Diphtheritic) ..	4591	4748	4235	3685	3979	3632	3241	3145	2638	2235	2102	1742	1647	1578	1099	863	1006	842	32	37
Croup (not Spasmodic nor Membranous) ..	218	235	159	174	183	198	181	172	137	166	154	133	126	139	132	126	124	136	831	609
Other Diseases of Larynx and Trachea .. ..	58794	53410	60963	61438	53908	57571	55674	67104	75425	66858	56686	49356	59901	47417	46839	46621	51206	54580	62	36
Bronchitis .. .. .	2689	2368	2581	2434	2475	2388	2236	2554	3054	2882	2324	2150	2617	2130	2242	2354	2819	2615	2343	1586
Emphysema, Asthma .. .. .	1584	1454	1677	1467	1611	1559	1321	1891	2005	1710	1837	1471	1537	1536	1493	1498	1645	1872	1655	1358
Pleurisy .. .. .	4886	4848	5359	5156	5127	4639	4204	4847	5306	4629	4246	3691	4339	3857	3814	3553	3868	3816	656	684
Fibroid Disease of Lung .. .. .																			3273	3084
Other Diseases of Respiratory System .. ..																				
Tonsillitis, Quinsy .. .. .	1197	1310	1136	1139	1220	1048	1212	1184	1153	1095	1388	1080	1215	1116	1015	1079	1075	1130	456	416
Dis. of Mouth, Pharynx, Œsophagus (not Specific)*	2889	3173	3179	3767	3762	3664	3838	4261	4280	4318	4953	4563	5227	5086	5314	5545	5902	6626	609	580
Gastric Ulcer .. .. .	3585	3929	3623	4519	4074	3987	5021	5487	5519	5980	8982	6284	10977	10123	13604	16579	19598	13448	1542	1681
Gastric Catarrh .. .. .	1108	1131	1149	1207	1211	1197	1315	1220	1256	1294	1395	1217	1312	1249	1304	1325	1479	1387	1171	950
Other Diseases of Stomach (not Malignant) ..	2434	2468	2603	2609	2519	2649	2682	2553	2684	2475	2683	2610	2791	2654	2794	2745	2816	2624	4344	3792
Enteritis (not Epidemic) .. .. .	2265	2393	2332	2333	2370	2422	2374	2502	2594	2294	2575	2092	2172	2064	1975	1985	1994	1896	5806	4188
Gastro-enteritis .. .. .	1108	1131	1149	1207	1211	1197	1315	1220	1256	1294	1395	1217	1312	1249	1304	1325	1479	1387	4106	2188
Appendicitis, Perityphlitis .. .. .	2434	2468	2603	2609	2519	2649	2682	2553	2684	2475	2683	2610	2791	2654	2794	2745	2816	2624	1244	1485
Hernia .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	1369	1513
Intestinal Obstruction .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	2647	2445
Other Diseases of Intestines† .. .. .	2265	2393	2332	2333	2370	2422	2374	2502	2594	2294	2575	2092	2172	2064	1975	1985	1994	1896	208	291
Peritonitis (not Puerperal) .. .. .	3183	3360	3324	3505	3341	3362	3431	3563	3641	3609	3584	3473	3591	3782	4134	4146	4532	4639	1532	1115
Cirrhosis of Liver .. .. .	6285	6253	6133	6033	5761	5331	5165	4915	4734	4339	4434	3919	3971	3832	3587	3527	3519	3402	4308	4066
Other Diseases of Liver and Gall Bladder ..	1778	1555	1285	1397	1420	1553	1479	1528	1462	1412	1547	1372	1032	953	975	815	664	639	2867	2464
Other Diseases of Digestive System*† .. ..																			603	434

\* For years prior to 1901, deaths from "Diseases of the Œsophagus" are included under the heading "Other Diseases of the Digestive System."  
 † For years prior to 1901, deaths from "Other Diseases of the Intestines" are included under the heading "Other Diseases of the Digestive System."

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TABLE 20 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Laryngitis .. .. .	56	61	59	52	58	56	51	54	48	47	55	46	45	46	41	38	41	43	43	40
Membranous Laryngitis (not Diphtheritic) ..	172	176	156	134	143	129	114	109	91	76	71	58	54	51	35	27	32	26	1	1
Croup (not Spasmodic nor Membranous) ..	8	9	6	6	7	7	6	6	5	6	5	4	4	5	4	4	4	4	25	18
Other Diseases of Larynx and Trachea .. ..	2208	1978	2240	2232	2117	2041	1957	2333	2593	2266	1905	1640	1967	1535	1503	1479	1606	1692	2	1
Bronchitis .. .. .	101	88	95	88	89	85	79	89	105	98	78	71	86	69	72	75	88	81	72	48
Emphysema, Asthma .. .. .	59	54	62	53	58	55	46	66	69	58	62	49	50	50	48	48	52	58	51	41
Pleurisy .. .. .	183	180	197	187	184	164	148	169	182	157	143	123	142	125	122	113	121	118	20	21
Fibroid Disease of Lung .. .. .																			100	93
Other Diseases of Respiratory System .. ..																				
Tonsillitis, Quinsy .. .. .	45	49	42	41	44	37	43	41	40	37	47	36	40	36	33	34	34	35	14	13
Dis. of Mouth, Pharynx, Œsophagus (not Specific)*	108	118	117	137	135	130	135	148	147	146	166	152	172	165	171	176	185	205	19	18
Gastric Ulcer .. .. .	3585	3929	3623	4519	4074	3987	5021	5487	5519	5980	8982	6284	10977	10123	13604	16579	19598	13448	47	51
Gastric Catarrh .. .. .	1108	1131	1149	1207	1211	1197	1315	1220	1256	1294	1395	1217	1312	1249	1304	1325	1479	1387	36	29
Other Diseases of Stomach (not Malignant) ..	2434	2468	2603	2609	2519	2649	2682	2553	2684	2475	2683	2610	2791	2654	2794	2745	2816	2624	133	115
Enteritis (not Epidemic) .. .. .	2265	2393	2332	2333	2370	2422	2374	2502	2594	2294	2575	2092	2172	2064	1975	1985	1994	1896	178	127
Gastro-enteritis .. .. .	1108	1131	1149	1207	1211	1197	1315	1220	1256	1294	1395	1217	1312	1249	1304	1325	1479	1387	126	66
Appendicitis, Perityphlitis .. .. .	2434	2468	2603	2609	2519	2649	2682	2553	2684	2475	2683	2610	2791	2654	2794	2745	2816	2624	38	45
Hernia .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	42	46
Intestinal Obstruction .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	81	74
Other Diseases of Intestines* .. .. .	85	89	87	85	85	86	83	87	89	78	87	69	71	67	63	63	63	59	6	9
Peritonitis (not Puerperal) .. .. .	120	124	122	127	120	119	121	124	125	122	120	115	118	122	133	132	142	144	132	123
Cirrhosis of Liver .. .. .	236	232	226	220	207	189	181	170	163	147	149	130	130	124	115	112	110	105	88	75
Other Diseases of Liver and Gall Bladder ..	67	58	46	51	51	55	52	54	50	48	52	46	34	31	31	26	21	20	18	13
Other Diseases of Digestive System* .. ..																				

\* See note to Table 19.

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TABLE 19 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Diseases of Spleen .. .. .	142	112	138	131	102	104	132	98	93	94	101	75	69	60	73	58	53	45	73	57
Other Diseases of Lymphatic System .. .. .	121	171	203	219	190	229	230	223	244	284	255	271	286	274	286	316	310	322	348	357
Diseases of Thyroid Body .. .. .	89	117	111	123	141	137	152	174	163	174	237	195	215	230	245	295	312	322	458	431
Diseases of Supra Renal Capsules .. .. .	149	127	147	167	157	148	136	169	138	146	154	153	172	194	181	197	206	209	168	168
Acute Nephritis, Uræmia .. .. .	1840	1789	1824	1853	1779	2052	1985	2225	2437	2455	2528	2410	2557	2576	2788	2808	2918	3054	3035	2991
Chronic Bright's Disease, Albuminuria .. .. .	6200	6297	6538	6839	6848	6941	7069	7319	7529	7378	7590	7531	8251	8023	8234	8537	9203	9860	9676	9221
Calculus (not Biliary) .. .. .	249	226	214	260	255	259	242	251	237	230	241	245	241	223	272	269	245	249	244	249
Diseases of Bladder and of Prostate .. .. .	2088	2020	2094	2107	2042	2073	2123	2060	2171	2147	2117	2016	2298	2199	2335	2206	2321	2318	2353	2436
Other Diseases of Urinary System .. .. .	1569	1592	1416	1335	1476	1242	1113	1109	1204	1032	944	742	770	680	711	778	687	407	381	586
Ovarian Tumour (not Malignant) .. .. .	572	598	567	589	600	558	498	494	536	499	506	435	500	456	457	447	446	406	348	373
Other Diseases of Ovary .. .. .	669	683	700	680	678	614	617	648	648	675	723	734	688	710	745	682	709	667	69	48
Uterine Tumour (not Malignant) .. .. .	91	94	73	63	85	84	81	87	77	63	71	76	91	73	74	65	88	92	339	334
Other Diseases of Uterus and Vagina .. .. .	195	289	292	254	272	291	250	258	232	197	178	151	155	141	152	149	149	146	316	305
Disorders of Menstruation .. .. .	91	94	73	63	85	84	81	87	77	63	71	76	91	73	74	65	88	92	76	58
Other Diseases of Gener. & Mamm. Organs .. .. .	195	289	292	254	272	291	250	258	232	197	178	151	155	141	152	149	149	146	96	83
Abortion, Miscarriage .. .. .	83	96	104	107	80	88	88	185	228	255	161	160	180	215	191	187	179	218	152	148
Puerperal Mania .. .. .	101	114	97	71	84	70	87	87	105	77	83	76	65	77	74	59	74	73	70	79
Puerperal Convulsions .. .. .	329	352	412	335	336	362	313	296	373	333	376	350	325	358	314	386	347	387	376	400
Placenta Prævia, Flooding .. .. .	794	762	852	774	738	763	726	700	778	806	803	780	710	701	694	660	691	614	699	637
Other Accidents of Pregnancy and Childbirth .. .. .	500	443	450	430	401	420	462	971	1234	1284	1433	1152	1012	1087	1079	1015	1062	1146	1018	938
Caries, Necrosis .. .. .	1127	1094	1102	1141	1055	1007	1072	1012	1023	981	942	934	898	859	876	787	785	780	762	706
Arthritis, Periostitis .. .. .	209	152	229	224	184	246	213	256	254	263	294	277	286	263	272	255	299	293	189	217
Other Diseases of Locomotor System .. .. .	1375	1230	1182	1168	1295	1138	1111	1015	898	682	524	492	514	425	418	353	373	294	349	286
Ulcer, Bed-sore .. .. .	608	572	541	591	605	579	544	548	538	555	575	562	571	502	560	540	534	564	474	397
Eczema .. .. .	359	406	395	410	351	372	388	394	429	418	460	386	405	380	373	397	354	371	367	362
Pemphigus .. .. .	75	75	71	89	96	106	101	106	123	105	135	122	146	161	142	147	157	188	165	147
Other Diseases of the Skin .. .. .	223	251	211	215	201	194	184	192	178	200	214	207	246	241	187	208	220	276	240	221

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TABLE 20 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Diseases of Spleen .. .. .	5	4	5	5	4	4	5	3	3	3	3	2	2	2	2	2	2	1	2	2
Other Diseases of Lymphatic System .. .. .	5	6	7	8	7	8	8	8	10	9	9	9	9	9	9	10	10	10	11	11
Diseases of Thyroid Body .. .. .	3	4	4	4	5	5	5	6	6	6	8	6	7	7	8	9	10	10	14	13
Diseases of Supra Renal Capsules .. .. .	6	5	5	6	6	5	5	6	5	5	5	5	6	6	6	6	6	6	5	5
Acute Nephritis, Uræmia .. .. .	70	67	67	67	63	72	69	78	84	83	85	80	84	83	89	89	92	95	93	91
Chronic Bright's Disease, Albuminuria .. .. .	233	233	240	248	246	248	254	259	250	255	255	250	271	260	264	271	289	306	297	279
Calculus (not Biliary) .. .. .	9	8	8	9	9	9	8	9	8	8	8	8	7	7	9	9	8	8	7	8
Diseases of Bladder and of Prostate .. .. .	78	75	77	77	73	73	75	72	75	73	71	67	75	71	75	70	73	72	72	74
Other Diseases of Urinary System .. .. .	59	59	52	48	53	44	39	38	41	35	32	25	25	22	23	25	22	13	12	18
Ovarian Tumour (not Malignant) .. .. .	21	22	21	21	22	20	18	17	18	17	17	14	16	15	15	14	14	13	11	11
Other Diseases of Ovary .. .. .	25	25	26	25	24	22	22	23	22	23	24	24	23	23	24	22	22	21	10	10
Uterine Tumour (not Malignant) .. .. .	3	3	3	2	3	3	3	3	3	2	3	3	3	2	2	3	3	3	2	2
Other Diseases of Uterus and Vagina .. .. .	7	11	11	10	10	11	8	10	8	7	5	5	5	5	5	5	5	5	3	3
Disorders of Menstruation .. .. .	3	3	3	2	3	3	3	3	3	2	3	3	3	2	2	3	3	3	2	2
Other Diseases of Gener. & Mamm. Organs .. .. .	7	11	11	10	10	11	8	10	8	7	5	5	5	5	5	5	5	5	3	3
Abortion, Miscarriage .. .. .	3	4	4	4	3	3	3	6	8	9	5	5	6	7	6	6	6	7	5	4
Puerperal Mania .. .. .	4	4	4	3	3	2	3	3	4	3	3	3	2	2	2	2	2	2	2	2
Puerperal Convulsions .. .. .	12	13	15	12	12	13	11	10	13	11	13	12	11	12	10	12	11	12	12	12
Placenta Prævia, Flooding .. .. .	30	28	31	28	27	27	26	24	27	27	27	26	23	23	22	21	22	19	21	19
Other Accidents of Pregnancy and Childbirth .. .. .	19	16	17	16	14	15	16	34	42	44	48	38	33	35	35	32	33	36	31	28
Caries, Necrosis .. .. .	42	41	40	41	38	36	38	35	35	33	32	31	29	28	28	25	25	24	23	21
Arthritis, Periostitis .. .. .	8	6	8	8	7	9	7	9	9	9	10	9	9	9	9	8	9	9	6	7
Other Diseases of Locomotor System .. .. .	52	46	43	42	47	40	39	35	31	23	18	16	17	14	13	11	12	9	11	9
Ulcer, Bed-sore .. .. .	23	21	20	21	22	21	19	19	18	19	19	19	19	16	18	17	17	17	15	12
Eczema .. .. .	13	15	15	15	13	13	14	14	15	14	15	13	13	12	12	13	11	12	11	11
Pemphigus .. .. .	3	3	3	3	3	4	4	4	4	4	5	4	5	5	5	5	5	6	5	4
Other Diseases of the Skin .. .. .	8	9	8	8	7	7	7	7	6	7	7	7	8	8	6	7	7	9	7	7

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TABLE 19 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
OTHER SPECIFIED DISEASES.	409	437	460	497	539	554	559	641	726	726	730	663	815	819	871	936	1086	1176	—	5
CAUSES ILL-DEFINED OR NOT SPECIFIED.																				
<i>Atrophy, Debility</i> .. .. .	24329	24937	22131	24146	21879	20741	21311	21434	21934	21303	22929	18281	22568	19745	20113	20355	20411	20372	19800	17708
<i>Old Age</i> .. .. .	28096	26879	27971	28451	26931	27196	26639	28102	29417	27866	26528	24517	29842	26168	28618	28698	31477	31776	30243	30351
<i>Dropsy, Ascites, Anasarca</i> .. .. .	2273	1221	758	661	593	545	496	513	458	401	385	324	348	303	278	324	360	348	223	171
<i>Tumour</i> .. .. .	357	384	318	359	192	124	140	153	135	151	119	126	135	79	121	82	81	73	83	82
<i>Abscess</i> .. .. .	644	707	658	645	671	573	573	568	533	562	553	441	413	405	403	372	357	346	332	329
<i>Hæmorrhage</i> .. .. .	181	143	186	144	175	105	125	145	123	127	161	157	135	131	107	108	114	118	28	56
<i>Sudden Death (cause unascertained)</i> .. .. .	418	509	486	438	464	403	377	437	394	402	348	285	301	317	204	199	212	244	175	177
<i>Other ill-defined causes</i> .. .. .	3778	3529	3288	3147	3166	2814	2652	2816	2694	2330	1922	1764	1990	1760	1931	1701	1621	1736	1108	592
<i>Causes not specified</i> .. .. .																				
VIOLENT DEATHS.																				
In Mines and Quarries .. .. .																			1017	979
Vehicles and Horses .. .. .																			2690	2533
Ships, Boats, and Docks (not Drowning) .. .. .																			334	267
Building Operations .. .. .																			185	205
Machinery .. .. .																			216	263
Weapons and Implements .. .. .																			149	118
Burns and Scalds .. .. .	15544	15049	14623	14573	15231	14552	14697	15891	16342	15954	16546	15591	17029	16259	16908	16475	17841	17043	2754	2479
Poisons, Poisonous Vapours .. .. .																			515	495
Drowning .. .. .																			2764	2261
Suffocation .. .. .																			1964	2039
Falls .. .. .																			2810	2676
Weather Agencies .. .. .																			437	237
Otherwise, or not stated .. .. .																			1477	1244
Battle .. .. .	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Homicide .. .. .	322	325	309	311	352	301	290	286	315	300	337	298	315	301	292	307	291	278	4	6
Suicide .. .. .	1962	2043	2007	2254	2234	2308	2170	2205	2483	2583	2599	2729	2797	2656	2792	2877	2844	2896	336	297
Execution .. .. .	14	14	13	19	21	17	12	16	14	16	16	18	10	20	7	10	15	14	3121	3267

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TABLE 20 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Persons.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
OTHER SPECIFIED DISEASES.	15	16	17	18	19	20	20	22	25	25	25	22	27	27	28	30	34	36	—	0
CAUSES ILL-DEFINED OR NOT SPECIFIED.																				
<i>Atrophy, Debility</i> .. .. .	914	924	813	877	786	735	749	745	754	722	770	607	741	639	646	646	640	632	607	537
<i>Old Age</i> .. .. .	1055	997	1029	1034	968	964	935	978	1007	942	892	817	988	846	918	910	984	983	931	923
<i>Dropsy, Ascites, Anasarca</i> .. .. .	85	45	27	24	22	19	17	17	16	14	13	11	11	10	9	10	11	11	7	5
<i>Tumour</i> .. .. .	13	14	12	13	7	4	5	5	5	4	4	4	4	3	4	3	3	2	3	2
<i>Abscess</i> .. .. .	24	26	24	23	24	20	20	20	18	19	19	15	14	13	13	12	11	11	10	10
<i>Hæmorrhage</i> .. .. .	7	5	7	5	6	4	4	5	4	4	5	5	4	4	3	3	4	4	1	2
<i>Sudden Death (cause unascertained)</i> .. .. .	16	19	18	16	17	14	13	15	13	14	12	9	10	10	7	6	7	8	5	5
<i>Other ill-defined causes</i> .. .. .	146	134	122	115	109	99	93	97	93	79	65	59	65	57	62	54	51	54	34	18
<i>Causes not specified</i> .. .. .																				
VIOLENT DEATHS.																				
In Mines and Quarries .. .. .																			31	30
Vehicles and Horses .. .. .																			82	77
Ships, Boats, and Docks (not Drowning) .. .. .																			10	8
Building Operations .. .. .																			6	6
Machinery .. .. .																			7	8
Weapons and Implements .. .. .																			5	4
Burns and Scalds .. .. .	584	557	537	530	547	516	517	552	561	540	556	517	559	526	543	522	559	529	84	75
Poisons, Poisonous Vapours .. .. .																			16	15
Drowning .. .. .																			85	69
Suffocation .. .. .																			60	62
Falls .. .. .																			86	81
Weather Agencies .. .. .																			13	7
Otherwise, or not stated .. .. .																			45	38
Battle .. .. .	—	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	0
Homicide .. .. .	12	12	11	11	13	11	10	10	11	10	11	10	10	10	9	10	9	9	10	9
Suicide .. .. .	74	76	74	82	80	82	76	77	85	88	87	91	92	86	90	91	89	90	96	99
Execution .. .. .	1	1	0	1	1	1	0	1	0	1	1	1	0	1	0	0	0	0	0	1

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TABLE 21.—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Males.

Note.—The terms printed in italics, being the names of symptoms merely, or being unauthorized or otherwise objectionable, should be used in medical certificates only when precise information is unobtainable.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
ALL CAUSES .. .. .	269262	273522	268305	275874	272137	263294	266102	290448	302494	286062	291889	256015	290704	270575	280211	283981	299472	303823	285618	277216
Small-pox { Vaccinated .. .. .	44	286	343	18	23	55	2	4	2	32	99	80	24	27	5	62	4	4	78	525
Not Vaccinated .. .. .	95	340	433	21	57	159	1	—	8	59	140	84	33	62	3	35	3	7	61	401
Doubtful .. .. .	400	597	841	145	225	400	12	8	18	166	643	301	67	196	9	44	96	39	62	513
Cow-pox and other effects of Vaccination .. .. .	31	28	28	19	25	20	27	22	21	30	34	26	29	23	21	9	23	11	6	11
Chicken-pox .. .. .	55	72	51	56	49	64	37	55	53	70	71	66	42	88	57	67	71	69	57	61
Measles (Morbilli) .. .. .	4872	5831	7396	6090	8657	5096	7716	6516	6509	6907	5771	6107	5858	8993	6533	6783	5094	6506	4765	6633
German Measles .. .. .	52	41	62	57	90	63	83	38	24	41	19	30	14	31	18	22	14	14	30	15
Scarlet Fever .. .. .	6449	5504	3210	2999	3899	3218	3353	3481	2495	2799	3430	2452	2238	2749	2296	1808	1864	1951	2188	2469
Typhus .. .. .	475	157	186	140	110	87	78	80	74	48	71	58	28	36	26	27	17	14	21	37
Plague .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Relapsing Fever .. .. .	7	6	5	3	3	4	1	2	4	7	2	2	4	2	1	1	—	1	2	1
Influenza .. .. .	47	37	66	42	41	49	29	2415	8621	7673	4808	3233	6173	1912	3085	5010	6085	7683	2912	3642
Whooping-cough .. .. .	4855	5188	5819	5894	4928	5578	5622	6166	6051	6005	4515	5547	4275	5859	5234	4495	4622	5157	4573	4474
Mumps .. .. .	50	34	59	47	47	47	50	39	40	44	49	35	26	41	40	31	42	42	44	51
Diphtheria .. .. .	1979	2345	2129	1918	2116	2264	2446	2469	2365	3156	4652	4198	3851	4436	3764	3724	4453	4612	4374	3741
Cerebro-spinal Fever .. .. .	25	15	15	22	17	9	12	25	10	13	10	7	9	8	4	7	15	8	29	40
Pyrexia* (origin uncertain) .. .. .	464	358	305	282	255	208	182	172	146	121	128	103	77	82	50	69	50	54	50	41
Enteric Fever .. .. .	3120	3295	2496	2671	2671	2624	2598	2769	2603	2194	3611	2701	2870	2935	2681	3205	3561	3272	2925	2396
Asiatic Cholera .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
Food, Ptomaine-poisoning .. .. .	1	5	2	—	3	4	2	2	9	2	16	14	17	12	20	26	37	30	35	51
Epidemic Diarrhoea, Infective Enteritis } Diarrhoea (not otherwise defined) } Dysentery .. .. .	8434	14139	7233	13224	10982	6866	9908	9337	7360	8116	15620	5639	14405	9211	14244	15762	16178	12367	6261	2651
Tetanus .. .. .	41	29	31	41	29	36	34	32	29	37	23	22	21	22	15	17	17	52	174	145
Malaria .. .. .	137	165	128	117	116	91	92	88	80	78	64	63	74	78	102	68	82	92	44	151
Rabies, Hydrophobia .. .. .	31	21	43	24	27	10	22	4	6	5	3	11	17	7	6	1	—	—	88	99
Glanders .. .. .	2	1	5	4	5	2	7	3	4	4	6	1	3	1	6	4	—	—	—	2
Anthrax (Splenic Fever) .. .. .	5	13	7	8	10	11	6	3	1	5	6	7	11	8	16	16	16	10	4	12
Syphilis .. .. .	1180	1174	1161	1168	1095	984	1069	1049	1042	1108	1190	1066	1126	980	1046	1007	972	990	956	935
Gonorrhoea .. .. .	255	287	254	292	286	276	273	272	333	299	291	316	321	343	368	326	334	354	350	20

\* Formerly called Simple Continued Fever.

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TABLE 22.—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Males.

Note.—The terms printed in italics, being the names of symptoms merely, or being unauthorized or otherwise objectionable, should be used in medical certificates only when precise information is unobtainable.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
ALL CAUSES .. .. .	20801	20850	20292	20644	20150	19237	19290	20833	21465	20017	20251	17560	19719	18099	18584	18623	19419	19480	18108	17378
Small-pox { Vaccinated .. .. .	3	22	26	1	2	4	0	0	0	2	7	5	2	2	0	4	0	0	5	33
Not Vaccinated .. .. .	7	26	33	2	4	12	0	—	1	4	10	6	2	4	0	2	0	0	4	25
Doubtful .. .. .	31	46	64	11	17	29	1	—	1	12	45	21	5	13	1	3	6	3	4	32
Cow-pox and other effects of Vaccination .. .. .	2	2	2	1	2	1	2	2	1	2	2	2	2	2	1	1	1	1	0	1
Chicken-pox .. .. .	4	5	4	4	5	3	4	4	4	5	5	5	3	6	4	4	5	4	4	4
Measles (Morbilli) .. .. .	376	444	559	456	641	372	559	467	462	483	400	419	397	602	433	445	330	417	302	416
German Measles .. .. .	4	3	5	4	7	5	6	3	2	3	1	2	1	2	1	1	1	1	1	1
Scarlet Fever .. .. .	498	420	243	280	235	243	250	177	196	238	168	152	184	152	2	2	2	2	1	2
Typhus .. .. .	37	12	14	10	8	6	6	6	5	3	5	4	2	2	2	2	2	2	1	0
Plague .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Relapsing Fever .. .. .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza .. .. .	4	3	5	3	4	2	173	612	537	334	222	419	128	205	329	395	493	185	228	
Whooping-cough .. .. .	375	395	440	441	365	408	408	442	429	420	313	381	392	347	295	347	300	331	290	280
Mumps .. .. .	4	3	4	3	3	3	4	3	3	3	3	2	2	3	3	2	3	3	3	3
Diphtheria .. .. .	153	179	161	144	157	165	177	177	168	221	323	288	261	297	250	244	289	296	277	235
Cerebro-spinal Fever .. .. .	2	1	1	1	1	1	1	2	1	1	1	0	1	0	0	0	1	1	2	3
Pyrexia* (origin uncertain) .. .. .	36	27	23	21	19	15	13	12	10	8	9	7	5	5	3	5	3	3	3	3
Enteric Fever .. .. .	241	251	189	200	198	192	188	199	185	154	251	185	195	196	178	210	231	210	185	150
Asiatic Cholera .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
Food, Ptomaine-poisoning .. .. .	0	0	0	—	0	0	0	0	1	0	1	1	1	1	1	1	1	1	2	3
Epidemic Diarrhoea, Infective Enteritis } Diarrhoea (not otherwise defined) } Dysentery .. .. .	652	1078	547	990	813	502	719	670	522	568	1084	387	977	616	945	1034	1049	793	397	166
Tetanus .. .. .	3	2	2	3	2	3	2	2	2	3	2	2	1	1	1	1	1	1	3	6
Malaria .. .. .	11	12	9	9	8	7	7	6	6	5	4	4	1	1	0	0	0	0	0	0
Rabies, Hydrophobia .. .. .	2	2	3	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Glanders .. .. .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthrax (Splenic Fever) .. .. .	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1
Syphilis .. .. .	91	89	88	87	81	72	77	75	74	78	83	73	76	66	69	66	63	63	61	59
Gonorrhoea .. .. .	20	22	19	22	21	20	20	20	24	21	20	22	22	23	24	21	22	23	22	21

\* Formerly called Simple Continued Fever.

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TABLE 21 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.				
Puerperal Septicæmia, Puerp. Septic Intoxication	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Puerperal Pyæmia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Phlegmasia Alba Dolens	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Puerperal Fever (not otherwise defined)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Infective Endocarditis*	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?				
Pneumonia { Lobar .. .. .	16382	15187	16992	16093	17817	18115	16643	24138	25332	21231	22103	18605	20327	20330	20163	20134	23044	26147	173	190				
Broncho-																					1437	2184		
Epidemic																							8022	9974
not defined																								
Erysipelas	1164	1139	1058	804	919	860	595	707	644	767	1025	706	564	570	501	516	624	646	12110	14361				
Septicæmia, Septic Intoxication (not Puerperal)	363	400	362	298	312	317	290	320	289	303	387	357	316	379	367	302	412	463	607	683				
Pyæmia (not Puerperal)	255	274	297	272	261	275	238	282	297	328	343	303	302	305	353	331	387	403	152	205				
Phlegmon, Carbuncle (not Anthrax)	29	23	28	21	19	35	20	25	28	24	35	20	34	20	16	25	17	16	113	142				
Phagedæna	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	410	453				
Other Infective Processes	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	24	18				
Pulmonary Tuberculosis (Tuberculous Phthisis)	25466	25276	24796	25042	23337	23505	23711	26049	25090	23223	23600	22755	23027	22166	23046	23037	23906	24491	4333	6267				
Phthisis (not otherwise defined)	3907	3993	3788	3953	3674	3722	3650	3823	3992	3734	3663	3385	3691	3483	3522	3608	3452	3412	19121	16954				
Tuberculous Meningitis	4093	4448	3674	4416	3773	3659	4025	4113	3897	3753	4116	3005	3910	3198	3355	3344	3335	3164	3134	3084				
Tuberculous Peritonitis	30	29	27	19	20	27	23	29	18	25	19	24	14	21	16	19	19	19	1475	1477				
Tabes Mesenterica	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	1764	1311				
Lupus	2189	2363	2262	2605	2673	2534	2725	2870	3123	3025	2926	2993	3294	2984	2939	3109	2959	3249	24	16				
Tubercle of other Organs	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	666	663				
General Tuberculosis	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	2187	2116				
Scrofula	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	177	70				
Parasitic Diseases	536	546	446	502	445	364	368	370	356	307	277	233	272	236	198	200	209	188	175	142				
Starvation	20	25	28	13	24	27	27	29	39	35	37	28	24	19	25	23	28	24	11	16				
Scurvy	6	4	10	13	17	13	12	14	10	13	14	12	20	9	20	17	23	18	15	15				
Alcoholism, Delirium Tremens	886	843	892	883	914	929	998	1308	1327	1231	1334	1109	1237	1364	1460	1500	1735	2063	1778	1673				

\* For years prior to 1901, deaths from Infective Endocarditis are included under the heading "Valvular Disease, Endocarditis." (See p. cxviii.)

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TABLE 22 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.				
Puerperal Septicæmia, Puerp. Septic Intoxication	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Puerperal Pyæmia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Phlegmasia Alba Dolens	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Puerperal Fever (not otherwise defined)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Infective Endocarditis*	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?				
Pneumonia { Lobar .. .. .	1266	1158	1285	1204	1319	1324	1206	1731	1798	1486	1533	1276	1379	1360	1337	1320	1494	1676	11	12				
Broncho-																					509	625		
Epidemic																							3	1
not defined																								
Erysipelas	90	87	80	60	68	63	43	51	46	54	71	48	38	38	33	34	40	41	38	42				
Septicæmia, Septic Intoxication (not Puerperal)	28	30	27	22	23	23	21	23	21	21	27	24	21	25	24	20	27	30	10	13				
Pyæmia (not Puerperal)	20	21	23	21	19	20	17	20	21	23	24	21	20	20	23	22	25	26	7	9				
Phlegmon, Carbuncle (not Anthrax)	2	2	2	2	1	3	1	2	2	2	2	1	2	1	1	2	1	1	26	28				
Phagedæna	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	2	1				
Other Infective Processes	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	6	2				
Pulmonary Tuberculosis (Tuberculous Phthisis)	1967	1927	1875	1874	1728	1717	1719	1868	1780	1625	1637	1561	1562	1483	1528	1511	1550	1570	275	393				
Phthisis (not otherwise defined)	302	304	287	296	272	272	265	274	283	261	254	232	250	233	234	237	224	219	1212	1063				
Tuberculous Meningitis	316	339	278	330	279	267	292	295	277	263	286	206	265	214	223	219	216	203	199	193				
Tuberculous Peritonitis	2	2	2	1	1	2	2	2	1	2	1	2	1	1	1	1	1	1	94	93				
Tabes Mesenterica	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	112	82				
Lupus	169	180	171	195	198	185	198	206	222	212	203	205	223	200	195	204	192	208	2	1				
Tubercle of other Organs	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	42	42				
General Tuberculosis	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	139	133				
Scrofula	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	11	4				
Parasitic Diseases	44	41	34	38	33	26	26	27	25	21	19	16	18	16	13	13	14	12	11	9				
Starvation	2	2	2	1	2	2	2	2	3	2	3	2	2	1	2	2	2	2	1	1				
Scurvy	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Alcoholism, Delirium Tremens	68	64	68	66	68	68	72	94	94	86	93	76	84	91	97	98	113	132	113	105				

\* See note to Table 21.

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TABLE 21 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.		
Opium, Morphia-habit .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	3	3
Industrial Poisoning:—																						
By Lead .. .. .	55	62	64	76	84	91	90	86	105	102	105	102	115	101	102	112	91	105	96	80	1	1
" Phosphorus .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—	—	—
" Arsenic and other Metals .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	4	—	—	—
Rheumatic Fever, Acute Rheumatism .. .. .	1239	1381	1493	1282	1320	1365	1132	1215	1278	1306	1546	1280	1102	1317	1266	1195	1302	1430	1108	1091	302	278
<i>Rheumatism of Heart</i> .. .. .	471	418	418	382	430	427	415	377	494	454	408	359	368	348	395	405	405	392	335	198	335	198
Chronic Rheumatism .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Rheumatic Arthritis, Rheumatic Gout .. .. .	406	423	465	423	444	438	438	479	521	487	482	428	494	461	462	421	428	383	416	290	289	
Gout .. .. .																						
Carcinoma* .. .. .	4967	5346	5495	5754	6262	6284	6891	7137	7294	7547	7908	8077	8628	9216	773	802	883	790	4746	5071	846	843
Sarcoma .. .. .															8800	9130	9454	9685	5299	5184	5299	5184
Cancer, Malignant Disease (not otherwise defined)*																						
Rickets .. .. .	290	325	346	457	378	501	532	653	714	728	710	713	950	689	797	803	750	730	820	780	148	140
Purpura .. .. .	180	185	157	189	165	150	199	155	211	172	190	188	191	177	164	186	177	168	49	59	49	59
Hæmophilia, Hæmorrhagic Diathesis .. .. .	394	370	414	458	474	518	531	471	558	583	553	629	668	691	699	717	705	758	768	792	768	792
Anæmia, Leucocythæmia .. .. .	838	886	896	978	1019	1070	980	1076	1082	1142	1169	1166	1262	1243	1303	1437	1448	1455	1565	1462	1565	1462
Diabetes Mellitus .. .. .																						
Premature Birth .. .. .	7314	7340	7330	7614	7906	7943	8109	8489	9125	9344	9673	8990	9858	9739	10020	10393	10400	10316	10445	10661	10445	10661
Congenital Defects .. .. .	1168	1300	1252	1306	1249	1143	1230	1234	1305	1332	1394	1461	1334	1385	1426	1470	1489	1541	2253	2529	2253	2529
Injury at Birth .. .. .	20	18	37	28	22	51	28	49	29	42	76	68	76	94	93	85	196	254	382	389	382	389
Atelectasis .. .. .	356	320	382	394	416	455	445	434	547	544	593	562	599	717	616	662	701	726	695	769	695	769
Want of Breast Milk .. .. .	243	137	125	119	144	135	149	137	144	149	185	135	136	167	178	175	180	246	317	326	317	326
Teething .. .. .	2650	2727	2588	2696	2339	2404	2410	2462	2554	2351	2197	1959	2313	1976	2072	1904	1845	1979	1750	1775	1750	1775

\* For the years 1897-1900, deaths from Carcinoma are included under the heading "Cancer, Malignant Disease."

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TABLE 22 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.		
Opium, Morphia-habit .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0
Industrial Poisoning:—																						
By Lead .. .. .	4	5	5	6	6	7	7	6	7	7	7	7	8	7	7	7	6	7	6	5	0	0
" Phosphorus .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—	—	—
" Arsenic and other Metals .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	0	0	0
Rheumatic Fever, Acute Rheumatism .. .. .	96	105	113	96	98	100	82	87	91	91	107	88	75	88	84	78	84	92	70	68	19	17
<i>Rheumatism of Heart</i> .. .. .	36	32	32	29	32	31	30	27	35	32	28	25	25	23	26	27	26	25	21	12	21	12
Chronic Rheumatism .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Rheumatic Arthritis, Rheumatic Gout .. .. .	31	32	35	32	33	32	32	34	37	34	33	29	34	31	31	28	28	25	18	18	18	18
Gout .. .. .																			26	24	26	24
Carcinoma* .. .. .	384	408	416	431	464	459	500	512	518	528	549	554	585	617	584	599	613	621	301	318	336	325
Sarcoma .. .. .																			54	53	54	53
Cancer, Malignant Disease (not otherwise defined)*																						
Rickets .. .. .	22	25	26	34	28	36	39	47	51	51	49	49	64	46	53	53	49	47	52	49	9	9
Purpura .. .. .	14	14	12	14	12	11	14	11	15	12	13	13	13	12	11	12	11	11	3	4	3	4
Hæmophilia, Hæmorrhagic Diathesis .. .. .	30	28	31	34	35	38	38	34	40	41	38	43	45	46	46	47	46	49	49	50	49	50
Anæmia, Leucocythæmia .. .. .	65	68	68	73	75	78	71	77	77	80	81	80	86	83	86	94	94	93	99	92	99	92
Diabetes Mellitus .. .. .																						
Premature Birth .. .. .	565	560	554	570	585	580	588	609	648	654	671	617	668	651	665	682	674	661	662	668	662	668
Congenital Defects .. .. .	90	99	95	98	93	84	89	89	93	93	97	100	90	93	95	96	97	99	143	159	143	159
Injury at Birth .. .. .	2	1	3	2	2	4	2	4	2	3	5	5	5	6	6	6	13	16	24	24	24	24
Atelectasis .. .. .	28	24	29	29	31	33	32	31	39	38	41	39	41	48	41	43	45	47	44	48	44	48
Want of Breast Milk .. .. .	19	10	9	9	11	10	11	10	10	10	13	9	9	11	12	11	12	16	20	20	20	20
Teething .. .. .	205	208	196	202	173	176	175	177	181	165	152	134	157	132	137	125	120	127	111	111	111	111

\* See note to Table 21.

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TABLE 21 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Meningitis, Inflammation of Brain .. .. .	4668	4737	4627	4969	4848	4664	4579	4962	4574	4172	4265	3594	4020	3900	4026	4035	4176	4105	3782	3528
Softening of Brain .. .. .	1786	1831	1893	1975	1896	1816	1804	1909	1757	1730	1624	1417	1460	1372	1309	1345	1358	1189	1129	1118
General Paralysis of Insane .. .. .	1754	1706	1585	1439	1443	1568	1742	1630	1671	1638	1757	1893	2290	2137	2264	2278	2435	2528	1728	1681
Insanity (not Puerperal) .. .. .	19	34	40	33	28	25	25	26	36	32	39	30	35	40	33	38	40	43	607	781
Chorea .. .. .	1663	1642	1678	1665	1504	1484	1494	1553	1563	1458	1446	1302	1439	1308	1336	1347	1371	1546	1533	1593
Epilepsy .. .. .	12803	13010	12462	12892	12169	11639	12197	12091	12726	11705	11579	10245	11536	10234	10445	10304	10044	10388	9863	9427
Convulsions .. .. .	526	479	478	448	430	490	441	411	515	450	351	310	362	312	319	330	281	261	286	266
Laryngismus Stridulus .. .. .	866	864	965	1077	1067	1073	1096	1142	1227	1195	1196	1230	1320	1221	1291	1293	1472	1472	1268	1096
Locomotor Ataxy .. .. .	2640	2489	2540	2493	2486	2535	2225	1883	1913	1746	1876	1580	1704	1608	1525	1435	1460	1176	46	128
Paraplegia, Diseases of Cord .. .. .																			198	324
Neuritis, Peripheral, Poly-Neuritis .. .. .																			2206	1924
Brain Tumour (not Specific) .. .. .																				
Other Diseases of Nervous System .. .. .																				
Otitis, Mastoid Disease .. .. .	175	228	222	214	224	298	305	336	316	349	447	389	494	456	511	486	496	589	491	483
Epistaxis, Diseases of Nose .. .. .	46	36	40	45	39	52	39	43	47	50	50	44	35	51	48	42	44	37	42	49
Ophthalmia, Diseases of Eye .. .. .	26	30	32	36	40	43	42	37	21	32	38	33	39	30	42	32	29	48	45	26
Valvular Disease, Endocarditis (not Infective)* ..	2818	2912	3053	3318	3438	3602	3584	3851	4232	3991	4243	4400	4659	4759	5078	5122	5639	5937	5724	6052
Pericarditis .. .. .	249	233	255	248	287	340	255	362	363	346	379	355	279	296	349	318	332	369	337	231
Hypertrophy of Heart .. .. .	206	212	208	191	158	186	161	153	193	172	145	120	137	126	113	104	140	138	121	164
Angina Pectoris .. .. .	334	386	361	376	362	430	422	420	455	424	402	403	448	449	481	419	452	481	450	480
Dilatation of Heart .. .. .	13629	14047	14914	15504	15832	16391	16262	17450	17767	16857	15992	15404	16649	15584	16320	16109	17221	17204	1027	1276
Fatty Degeneration of Heart .. .. .																			874	960
Syncope, Heart Disease (not specified)† ..																			14151	13803
Cerebral Hæmorrhage, Cerebral Embolism‡	11549	11241	11405	11943	11723	11421	11213	11869	12115	11459	11247	10335	11234	10752	11171	11083	11414	11629	4837	5521
Apoplexy, Hemiplegia .. .. .	591	643	637	680	585	602	629	659	565	630	657	660	654	642	688	707	723	697	6037	5349
Aneurysm .. .. .	684	708	759	817	801	843	813	793	851	805	708	681	730	618	681	677	690	750	773	842
Senile Gangrene .. .. .	357	376	361	358	397	395	420	418	495	426	471	452	548	544	527	548	603	693	748	717
Embolism, Thrombosis (not Cerebral)‡ ..	58	49	67	51	87	51	56	60	65	65	71	49	51	67	58	63	63	87	257	231
Phlebitis .. .. .	27	29	26	34	33	41	33	35	35	32	33	35	28	31	32	33	31	39	61	48
Varicose Veins .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	35	30
Other Diseases of Blood Vessels† .. .. .																			776	817

\* For years prior to 1901, deaths from Infective Endocarditis also are included under the heading "Valvular Disease, Endocarditis (not Infective)." (See also p. cxiv.)  
 † For years prior to 1901, deaths from "Other Diseases of Blood Vessels" are included under the heading "Syncope, Heart Disease (not specified)."  
 ‡ For years prior to 1901, deaths from Cerebral Embolism and from Cerebral Thrombosis are included under the heading "Embolism, Thrombosis (not Cerebral)."

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TABLE 22 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Meningitis, Inflammation of Brain .. .. .	361	361	350	372	359	341	332	356	325	292	296	247	273	261	267	265	271	263	240	221
Softening of Brain .. .. .	138	140	143	148	140	133	131	137	125	121	113	97	99	92	87	88	88	76	72	70
General Paralysis of Insane .. .. .	136	130	120	108	107	115	126	117	119	115	122	130	155	143	150	149	158	162	110	105
Insanity (not Puerperal) .. .. .	1	3	3	2	2	2	2	2	3	2	3	2	2	3	2	3	3	3	38	49
Chorea .. .. .	128	125	127	125	111	108	108	111	111	102	100	89	98	87	89	88	89	99	97	100
Epilepsy .. .. .	991	992	943	965	901	851	884	867	903	819	803	703	783	685	693	676	651	666	625	591
Convulsions .. .. .	41	37	36	34	32	36	32	29	37	31	24	21	25	21	21	22	18	17	18	17
Laryngismus Stridulus .. .. .	67	66	73	81	79	78	79	82	87	84	83	84	90	82	86	85	95	94	22	26
Locomotor Ataxy .. .. .	204	190	192	187	184	185	161	135	136	122	130	108	116	108	101	94	95	75	13	8
Paraplegia, Diseases of Cord .. .. .																			3	20
Neuritis, Peripheral, Poly-Neuritis .. .. .																			140	121
Brain Tumour (not Specific) .. .. .																				
Other Diseases of Nervous System .. .. .																				
Otitis, Mastoid Disease .. .. .	14	17	17	16	17	22	22	24	22	24	31	27	34	31	34	32	32	38	31	30
Epistaxis, Diseases of Nose .. .. .	4	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Ophthalmia, Diseases of Eye .. .. .	2	2	2	3	3	3	3	3	1	2	3	2	3	2	3	2	2	3	3	2
Valvular Disease, Endocarditis (not Infective)* ..	218	222	231	248	255	263	260	276	300	279	294	302	346	318	337	336	366	381	363	379
Pericarditis .. .. .	19	18	19	19	21	25	18	26	26	24	26	19	19	20	23	21	22	24	21	14
Hypertrophy of Heart .. .. .	16	16	16	14	12	14	12	11	14	12	10	8	9	8	7	7	9	9	8	10
Angina Pectoris .. .. .	26	29	27	28	27	31	31	30	32	30	28	28	30	30	32	27	29	31	29	30
Dilatation of Heart .. .. .	1052	1071	1128	1161	1172	1198	1179	1252	1261	1180	1110	1057	1129	1042	1082	1056	1117	1103	65	80
Fatty Degeneration of Heart .. .. .																			55	60
Syncope, Heart Disease (not specified)* ..																			897	865
Cerebral Hæmorrhage, Cerebral Embolism*	893	857	863	894	868	834	813	852	860	802	780	709	762	719	741	727	740	746	307	346
Apoplexy, Hemiplegia .. .. .	46	49	48	51	43	44	46	47	40	44	46	45	44	43	46	46	47	45	49	53
Aneurysm .. .. .	53	54	57	61	59	62	59	57	60	56	49	47	50	41	45	44	45	48	47	45
Senile Gangrene .. .. .	28	29	28	26	29	29	31	30	35	30	33	31	37	36	35	36	39	44	16	14
Embolism, Thrombosis (not Cerebral)* ..	4	4	5	4	6	4	4	4	5	5	5	3	3	4	4	4	4	6	4	3
Phlebitis .. .. .	2	2	2	3	2	3	2	3	2	2	2	2	2	2	2	2	2	3	2	2
Varicose Veins .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	49	51
Other Diseases of Blood Vessels* .. .. .																				

\* See note to Table 21.

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TABLE 21 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Laryngitis .. .. .	814	900	860	748	840	860	774	838	765	766	884	758	742	803	694	677	752	732	722	690
Membranous Laryngitis (not Diphtheritic) ..	2464	2582	2278	2007	2092	1971	1728	1760	1392	1217	1153	939	891	834	598	469	553	465	19	21
Croup (not Spasmodic nor Membranous) ..	114	139	93	103	104	114	111	102	80	102	87	79	59	79	72	80	77	82	447	343
Other Diseases of Larynx and Trachea ..	29868	27445	30782	30481	29333	29105	27850	33686	37802	33071	27735	24656	29274	23569	23306	22970	25095	26717	21812	21341
Bronchitis .. .. .	1620	1412	1505	1434	1449	1386	1360	1507	1752	1672	1406	1263	1553	1287	1385	1392	1628	1569	1380	914
Emphysema, Asthma .. .. .	931	826	938	869	935	931	793	1158	1213	1033	1101	879	880	918	905	861	983	1136	958	758
Pleurisy .. .. .	2674	2676	2918	2821	2834	2515	2251	2660	2880	2490	2311	2028	2401	2108	2144	1958	2191	2149	1698	1627
Fibroid Disease of Lung .. .. .																				
Other Diseases of Respiratory System ..																				
Tonsillitis, Quinsy .. .. .	643	659	574	594	602	534	614	582	566	556	725	560	620	579	505	583	548	602	232	227
Dis. of Mouth, Pharynx, Oesophagus (not Specific)*	1384	1518	1527	1733	1751	1727	1792	1892	1899	1872	2219	2015	2284	2200	2415	2492	2537	2930	323	324
Gastric Ulcer .. .. .																			475	514
Gastric Catarrh .. .. .																			565	442
Other Diseases of Stomach (not Malignant) ..																			2096	1851
Enteritis (not Epidemic) .. .. .	1727	1935	1808	2306	2001	2051	2548	2737	2825	3081	4755	3279	5817	5290	7215	8676	10267	7188	3109	2188
Gastro-enteritis .. .. .																			2192	1179
Appendicitis, Perityphlitis .. .. .	557	546	592	608	599	596	639	582	599	608	676	621	626	586	627	617	674	677	736	901
Hernia .. .. .	1214	1269	1307	1302	1243	1342	1301	1291	1331	1215	1339	1291	1378	1333	1425	1381	1381	1287	633	694
Intestinal Obstruction .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	111	154
Other Diseases of Intestines† .. .. .	1005	1098	1107	1079	1165	1206	1118	1162	1163	1089	1181	966	1060	1020	992	1016	984	905	726	506
Peritonitis (not Puerperal) .. .. .	1826	1852	1847	1974	1886	1908	1926	2002	2089	2029	2007	1933	1962	2092	2283	2318	2574	2527	2375	2296
Cirrhosis of Liver .. .. .	2941	3035	2919	2881	2741	2601	2436	2341	2299	2071	2159	1826	1871	1786	1701	1664	1687	1599	1335	1110
Other Diseases of Liver and Gall Bladder ..	952	795	667	732	703	830	764	812	773	763	817	719	575	497	492	386	324	333	316	198
Other Diseases of Digestive System*† ..																				

\* For years prior to 1901, deaths from "Diseases of the Oesophagus" are included under the heading "Other Diseases of the Digestive System."  
 † For years prior to 1901, deaths from "Other diseases of the Intestines" are included under the heading "Other Diseases of the Digestive System."

TABLE 22 (continued).—ENGLAND AND WALES—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Laryngitis .. .. .	63	69	65	56	62	63	56	60	54	54	61	52	50	54	46	44	49	47	46	43
Membranous Laryngitis (not Diphtheritic) ..	190	197	172	150	155	144	125	126	99	85	80	64	60	56	40	31	36	30	28	22
Croup (not Spasmodic nor Membranous) ..	9	11	7	8	8	8	8	7	6	7	6	5	4	5	5	5	5	5	2	1
Other Diseases of Larynx and Trachea ..	2307	2092	2328	2281	2172	2127	2019	2416	2682	2314	1924	1691	1986	1577	1546	1506	1627	1713	1383	1338
Bronchitis .. .. .	125	108	114	107	107	101	99	108	124	117	98	87	105	86	92	91	106	101	87	57
Emphysema, Asthma .. .. .	72	63	71	65	69	68	57	83	86	72	76	60	60	61	60	56	64	73	61	48
Pleurisy .. .. .	207	204	221	211	210	184	163	191	204	174	160	139	163	141	142	128	142	138	108	102
Fibroid Disease of Lung .. .. .																				
Other Diseases of Respiratory System ..																				
Tonsillitis, Quinsy .. .. .	49	50	43	45	45	39	44	42	40	39	50	38	42	39	33	38	36	39	15	14
Dis. of Mouth, Pharynx, Oesophagus (not Specific)*	107	116	115	130	130	126	130	136	135	131	154	138	155	147	160	163	165	188	30	32
Gastric Ulcer .. .. .																			36	28
Gastric Catarrh .. .. .																			133	116
Other Diseases of Stomach (not Malignant) ..																			197	137
Enteritis (not Epidemic) .. .. .	133	147	137	172	149	150	185	197	200	216	330	225	395	354	479	569	666	461	139	74
Gastro-enteritis .. .. .																			47	56
Appendicitis, Perityphlitis .. .. .	43	42	45	45	44	44	46	42	43	43	47	43	42	39	42	40	44	43	40	44
Hernia .. .. .	94	97	99	97	92	98	95	93	94	85	93	89	93	89	95	91	90	83	83	75
Intestinal Obstruction .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	7
Other Diseases of Intestines* .. .. .	78	84	84	81	86	88	81	83	83	76	82	66	72	68	66	67	64	58	46	32
Peritonitis (not Puerperal) .. .. .	141	141	140	148	140	139	140	144	148	142	139	136	133	140	151	152	167	162	151	144
Cirrhosis of Liver .. .. .	227	231	221	216	203	190	177	168	163	145	150	125	127	119	113	109	109	103	85	70
Other Diseases of Liver and Gall Bladder ..	73	60	50	55	52	60	55	58	55	53	57	49	39	33	33	25	21	21	20	12
Other Diseases of Digestive System* ..																				

\* See note to Table 21.

TABLE 21 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Diseases of Spleen .. .. .	71	47	69	72	56	60	72	49	48	47	49	34	31	25	35	26	29	24	39	25
Other Diseases of Lymphatic System .. .. .	74	95	133	143	116	126	126	145	146	167	149	166	179	166	168	211	192	196	198	223
Diseases of Thyroid Body .. .. .	9	25	14	23	29	28	26	32	31	34	24	29	30	34	40	40	33	37	64	61
Diseases of Supra Renal Capsules .. .. .	70	50	68	101	80	71	61	97	55	72	69	79	74	85	76	92	99	93	81	81
Acute Nephritis, Uræmia .. .. .	1020	1031	1038	1008	1007	1171	1079	1215	1393	1411	1448	1318	1428	1356	1528	1547	1555	1724	1746	1619
Chronic Bright's Disease, Albuminuria .. .. .	3386	3449	3554	3709	3762	3761	3854	4049	4067	3993	4126	4107	4379	4324	4451	4568	4930	5374	5235	5013
Calculus (not Biliary) .. .. .	197	180	165	213	206	204	183	205	176	164	186	192	176	170	211	197	188	174	185	182
Diseases of Bladder and of Prostate .. .. .	1856	1819	1888	1855	1821	1852	1892	1847	1951	1907	1881	1763	2044	1963	2116	1995	2111	2075	2131	2201
Other Diseases of Urinary System .. .. .	963	991	899	855	895	782	726	721	756	652	625	479	496	453	451	496	458	287	229	459
Ovarian Tumour (not Malignant) .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Ovary .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Uterine Tumour (not Malignant) .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Uterus and Vagina .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Disorders of Menstruation .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Gener. & Mamm. Organs .. .. .	90	111	132	95	100	115	88	96	93	95	114	90	100	78	93	91	85	102	77	67
Abortion, Miscarriage .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Mania .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Convulsions .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Placenta Prævia, Flooding .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Accidents of Pregnancy and Childbirth .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Caries, Necrosis .. .. .	709	642	663	687	609	584	623	600	555	576	518	531	498	470	527	448	445	434	418	408
Arthritis, Periostitis .. .. .	115	82	124	123	110	144	126	140	137	150	149	163	167	151	171	153	162	175	107	137
Other Diseases of Locomotor System .. .. .	761	672	664	623	719	649	615	554	497	327	264	246	246	217	203	170	189	146	185	149
Ulcer, Bed-sore .. .. .	228	213	205	202	231	208	195	196	173	177	216	194	199	194	181	174	173	192	160	132
Eczema .. .. .	215	242	243	227	192	226	226	240	249	230	255	238	217	217	226	220	201	221	194	218
Pemphigus .. .. .	41	32	37	54	64	60	40	57	64	61	68	64	78	82	69	78	83	100	96	81
Other Diseases of the Skin .. .. .	108	135	110	99	95	106	76	83	84	100	102	89	128	125	104	108	108	142	130	108

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TABLE 22 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Diseases of Spleen .. .. .	5	4	5	5	4	4	5	4	3	3	3	2	2	2	2	2	2	2	2	2
Other Diseases of Lymphatic System .. .. .	6	7	10	11	9	9	9	10	10	12	10	11	12	11	11	14	12	13	13	14
Diseases of Thyroid Body .. .. .	1	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	4	4
Diseases of Supra Renal Capsules .. .. .	5	4	5	8	6	5	4	7	4	5	5	5	5	6	5	6	6	6	5	5
Acute Nephritis, Uræmia .. .. .	79	78	79	75	74	86	78	87	99	99	100	90	97	91	101	101	101	111	111	101
Chronic Bright's Disease, Albuminuria .. .. .	262	263	269	278	279	275	279	290	289	279	286	282	297	289	295	300	320	345	332	314
Calculus (not Biliary) .. .. .	15	14	12	16	15	15	13	15	12	11	13	13	12	11	14	13	12	11	12	11
Diseases of Bladder and of Prostate .. .. .	143	139	143	139	135	135	137	132	138	133	131	121	139	131	140	131	137	133	135	138
Other Diseases of Urinary System .. .. .	74	75	68	64	66	57	53	52	54	46	43	33	34	30	30	33	30	18	15	29
Ovarian Tumour (not Malignant) .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Ovary .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Uterine Tumour (not Malignant) .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Uterus and Vagina .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Disorders of Menstruation .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Gener. & Mamm. Organs .. .. .	7	9	10	7	7	8	6	7	7	7	8	6	7	5	6	6	6	7	5	4
Abortion, Miscarriage .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Mania .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Convulsions .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Placenta Prævia, Flooding .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Accidents of Pregnancy and Childbirth .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Caries, Necrosis .. .. .	55	49	50	51	45	43	45	43	39	40	36	36	34	31	35	29	29	28	27	26
Arthritis, Periostitis .. .. .	9	6	9	9	8	11	9	10	10	10	10	11	11	10	11	10	11	11	7	9
Other Diseases of Locomotor System .. .. .	59	51	50	47	53	47	45	40	35	23	18	17	17	15	13	11	12	9	12	9
Ulcer, Bed-sore .. .. .	18	16	16	15	17	15	14	14	12	12	15	13	13	13	12	11	11	12	10	8
Eczema .. .. .	17	18	18	17	14	17	16	17	18	16	18	16	15	15	15	14	13	14	12	14
Pemphigus .. .. .	3	2	3	4	5	4	3	4	5	4	5	4	5	5	5	5	5	6	6	5
Other Diseases of the Skin .. .. .	8	10	8	7	7	8	6	6	6	7	7	6	9	8	7	7	7	9	8	7

CXXIII



TABLE 21 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
[ OTHER SPECIFIED DISEASES. ]	183	201	207	207	233	241	199	227	263	249	275	242	296	292	293	331	365	421	—	4
CAUSES ILL-DEFINED OR NOT SPECIFIED.																				
<i>Atrophy, Debility</i> .. .. .	12974	13325	11888	13109	11802	11325	11608	11431	12073	11718	12601	9994	12555	10940	11079	11263	11303	11383	11095	9889
<i>Old Age</i> .. .. .	12060	11714	12143	12290	11648	11732	11275	12059	12487	11813	11188	10414	12845	11130	12260	12148	13522	13815	13117	13031
<i>Dropsy, Ascites, Anasarca</i> .. .. .	897	494	271	238	224	194	177	183	188	143	147	126	120	117	111	139	139	125	85	74
<i>Tumour</i> .. .. .	111	115	90	119	75	38	42	53	56	61	45	48	61	30	44	29	25	25	25	29
<i>Abscess</i> .. .. .	316	363	332	327	350	288	266	271	261	268	276	209	228	206	206	183	172	177	173	182
<i>Hæmorrhage</i> .. .. .	109	81	116	85	101	63	73	83	78	71	86	99	80	85	69	60	74	63	16	31
<i>Sudden Death (cause unascertained)</i> .. .. .	253	307	301	260	266	244	222	243	253	230	197	164	158	190	121	109	129	134	114	94
<i>Other ill-defined causes</i> .. .. .	2141	1989	1885	1777	1808	1587	1481	1648	1552	1341	1087	1002	1102	992	1131	948	935	948	205	406
<i>Causes not specified</i> .. .. .																			672	336
VIOLENT DEATHS.																				
In Mines and Quarries .. .. .																			1016	979
Vehicles and Horses .. .. .																			2308	2209
Ships, Boats, and Docks (not Drowning) .. .. .																			332	266
Building Operations .. .. .																			185	205
Machinery .. .. .																			204	251
Weapons and Implements .. .. .																			131	109
Burns and Scalds .. .. .	11428	11013	10582	10610	10884	10283	10546	11326	11533	11229	11692	11060	11660	11266	11787	11451	12412	11969	1224	1022
Poisons, Poisonous Vapours .. .. .																			305	334
Drowning .. .. .																			2358	1871
Suffocation .. .. .																			1026	1089
Falls .. .. .																			1507	1504
Weather Agencies .. .. .																			300	171
Otherwise, or not stated .. .. .																			1145	938
Battle .. .. .	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16	4
Homicide .. .. .	188	177	172	181	181	155	159	160	158	153	185	162	165	154	160	162	143	139	161	131
Suicide .. .. .	1445	1550	1529	1694	1675	1732	1626	1635	1863	1907	1940	2052	2071	199	2090	2166	2121	2166	2318	2460
Execution .. .. .	13	11	13	18	20	17	12	16	13	16	16	17	10	7	10	14	12	12	15	22

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TABLE 22 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Males.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
OTHER SPECIFIED DISEASES.	14	15	16	15	17	18	14	16	19	17	19	17	20	20	19	22	24	27	—	0
CAUSES ILL-DEFINED OR NOT SPECIFIED.																				
<i>Atrophy, Debility</i> .. .. .	1002	1016	899	981	874	828	841	820	857	820	874	686	852	732	735	739	733	730	703	620
<i>Old Age</i> .. .. .	931	893	918	920	861	858	816	865	883	832	781	719	874	748	814	798	873	879	829	822
<i>Dropsy, Ascites, Anasarca</i> .. .. .	69	38	21	18	17	14	13	13	13	10	10	9	8	8	7	9	9	8	5	5
<i>Tumour</i> .. .. .	9	9	7	9	6	3	3	4	4	4	3	3	4	2	3	2	2	2	2	2
<i>Abscess</i> .. .. .	24	28	25	24	26	21	19	19	19	19	19	14	15	14	14	12	11	11	11	11
<i>Hæmorrhage</i> .. .. .	8	6	9	6	7	5	5	6	6	5	6	7	5	6	5	4	5	4	1	2
<i>Sudden Death (cause unascertained)</i> .. .. .	20	23	23	19	20	18	16	17	18	16	14	11	11	13	8	7	8	9	7	6
<i>Other ill-defined causes</i> .. .. .	161	152	141	130	138	112	109	119	110	94	75	69	75	66	75	62	61	61	43	21
<i>Causes not specified</i> .. .. .																				
VIOLENT DEATHS.																				
In Mines and Quarries .. .. .																			64	61
Vehicles and Horses .. .. .																			146	138
Ships, Boats, and Docks (not Drowning) .. .. .																			21	17
Building Operations .. .. .																			12	13
Machinery .. .. .																			13	16
Weapons and Implements .. .. .																			8	7
Burns and Scalds .. .. .	883	840	801	794	806	751	765	812	818	785	811	758	791	754	781	751	805	768	78	64
Poisons, Poisonous Vapours .. .. .																			19	21
Drowning .. .. .																			149	117
Suffocation .. .. .																			65	68
Falls .. .. .																			96	94
Weather Agencies .. .. .																			19	11
Otherwise, or not stated .. .. .																			73	59
Battle .. .. .	—	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	0
Homicide .. .. .	15	14	13	14	13	11	12	11	11	11	13	11	11	10	11	11	9	9	10	8
Suicide .. .. .	112	118	116	127	124	127	118	117	132	133	135	141	140	132	139	142	138	139	147	154
Execution .. .. .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1

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TABLE 23.—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Females.

Note.—The terms printed in italics, being the names of symptoms merely, or being unauthorized or otherwise objectionable, should be used in medical certificates only when precise information is unobtainable.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
ALL CAUSES .. .. .	253735	257306	254445	261402	258621	247677	252251	271800	285431	273622	278069	242812	278293	256152	261276	268160	282327	284007	265967	258322
Small-pox { Vaccinated .. .. .	34	207	237	7	19	36	2	—	1	23	51	73	9	18	1	45	—	3	63	296
{ Not Vaccinated .. .. .	67	255	362	22	54	110	1	—	9	47	113	92	28	56	2	24	—	10	50	390
{ Doubtful .. .. .	317	549	611	62	128	266	5	4	11	104	411	190	62	182	5	43	69	22	42	339
Cow-pox and other effects of Vaccination .. .. .	24	25	24	26	20	25	31	21	22	28	25	24	27	19	15	17	11	14	11	11
Chicken-pox .. .. .	44	57	58	37	38	52	46	40	38	53	56	42	44	63	46	49	53	58	58	62
Measles (Morbili) .. .. .	4457	5493	7099	5923	8108	4688	7016	6098	6164	6646	5339	5650	5633	8625	6178	6437	4904	6204	4254	6297
German Measles .. .. .	53	46	51	41	92	60	65	39	27	37	26	22	16	25	26	18	23	23	28	16
Scarlet Fever .. .. .	6200	5359	3145	2987	3960	3160	3345	3493	2464	2819	3552	2580	2294	2727	2281	1740	1858	1893	2151	2406
Typhus .. .. .	402	171	132	105	101	73	59	71	63	37	66	57	30	35	23	20	12	15	16	24
Plague .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Relapsing Fever .. .. .	9	6	5	4	6	4	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Influenza .. .. .	60	35	72	41	44	43	26	2108	8065	8064	4861	3392	6707	1841	3003	5395	6332	8562	2754	3724
Whooping-cough .. .. .	5616	6288	7287	7042	6323	6709	6603	7590	7561	7401	5661	6807	5319	7407	6197	5680	5507	6310	5632	5331
Mumps .. .. .	36	23	36	26	40	39	29	39	37	40	28	26	28	36	45	28	30	52	46	42
Diphtheria .. .. .	2239	2675	2342	2180	2327	2551	2922	2681	2671	3396	4814	4576	4044	4557	3890	3037	4842	4733	4524	4061
Cerebro-spinal Fever .. .. .	13	17	12	18	7	9	11	13	21	16	3	16	14	3	6	4	6	1	30	20
Pyrexia* (origin uncertain) .. .. .	499	410	357	323	252	228	231	189	179	123	137	100	80	82	70	67	63	59	51	52
Enteric Fever .. .. .	2958	3085	2269	2390	2484	2224	2413	2377	2272	1843	3190	2080	2456	2190	2170	2503	2743	2319	2146	1753
Asiatic Cholera .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
Food, Ptomaine-poisoning .. .. .	2	3	1	2	2	5	3	1	1	4	16	12	9	12	18	31	32	33	30	43
Epidemic Diarrhoea, Infective Enteritis																				
Diarrhoea (not otherwise defined) .. .. .	7891	13078	6473	12060	9722	6193	8856	8500	6602	7220	14101	5124	12987	8177	12807	14334	14793	11096	5603	2264
Dysentery .. .. .																			8360	4161
Tetanus .. .. .	10	13	11	10	13	15	16	7	18	8	9	6	9	6	11	12	7	14	137	109
Malaria .. .. .	151	111	99	98	77	68	66	58	53	32	56	25	35	28	16	23	12	17	13	50
Rabies, Hydrophobia .. .. .	3	7	17	2	2	4	8	4	1	1	1	2	3	1	—	—	—	—	10	13
Glanders .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Anthrax (Splenic Fever) .. .. .	3	5	4	3	1	1	1	1	2	1	1	3	2	1	2	2	5	—	1	1
Syphilis .. .. .	1133	1106	1035	1063	969	943	984	1007	922	933	964	945	973	852	833	794	821	852	765	758
Gonorrhoea .. .. .	2	4	2	2	8	9	2	4	10	7	12	6	10	9	11	9	10	13	6	11

\* Formerly called Simple Continued Fever.

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TABLE 24.—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Females.

Note.—The terms printed in italics, being the names of symptoms merely, or being unauthorized or otherwise objectionable, should be used in medical certificates only when precise information is unobtainable.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
ALL CAUSES .. .. .	18545	18542	18177	18461	18057	17050	17214	18338	19037	17989	18119	15638	17715	16072	16248	16483	17153	17055	15786	15155
Small-pox { Vaccinated .. .. .	2	15	17	0	1	2	0	—	0	2	3	5	1	1	0	3	—	0	4	17
{ Not Vaccinated .. .. .	5	18	26	2	4	8	0	—	1	3	7	6	2	4	0	1	0	1	3	23
{ Doubtful .. .. .	23	40	44	4	9	18	0	—	1	7	27	12	4	11	0	3	4	1	2	20
Cow-pox and other effects of Vaccination .. .. .	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Chicken-pox .. .. .	3	4	4	3	3	4	3	3	3	3	4	3	3	4	3	3	3	3	3	4
Measles (Morbili) .. .. .	326	396	507	418	566	323	479	411	411	437	348	304	359	541	384	396	298	373	252	369
German Measles .. .. .	4	3	4	3	6	4	4	3	2	2	2	1	1	2	2	1	1	1	2	1
Scarlet Fever .. .. .	453	386	225	211	276	218	228	236	164	185	231	166	146	171	142	107	113	114	128	141
Typhus .. .. .	29	12	9	7	7	5	4	5	4	—	—	—	—	—	—	—	—	—	—	—
Plague .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Relapsing Fever .. .. .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza .. .. .	4	3	5	3	3	3	2	142	538	530	317	218	427	116	187	332	385	514	163	218
Whooping-cough .. .. .	410	453	521	497	441	462	451	512	504	487	369	438	339	465	385	349	335	379	334	313
Mumps .. .. .	3	2	3	2	3	3	2	3	2	3	2	2	2	2	3	2	2	3	3	2
Diphtheria .. .. .	164	193	167	154	162	176	199	181	178	223	314	295	257	286	242	242	294	284	269	238
Cerebro-spinal Fever .. .. .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pyrexia* (origin uncertain) .. .. .	35	30	26	23	18	16	16	13	12	8	9	6	5	5	4	4	4	4	3	3
Enteric Fever .. .. .	216	222	162	169	173	153	165	160	152	121	208	134	156	137	135	154	167	139	127	103
Asiatic Cholera .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
Food, Ptomaine-poisoning .. .. .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epidemic Diarrhoea, Infective Enteritis																				
Diarrhoea (not otherwise defined) .. .. .	576	942	462	852	678	427	605	573	440	475	919	330	827	513	796	881	899	666	333	133
Dysentery .. .. .	1	1	1	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1
Tetanus .. .. .	11	8	7	7	5	5	5	4	4	0	0	0	0	0	0	0	0	0	0	0
Malaria .. .. .	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabies, Hydrophobia .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Glanders .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Anthrax (Splenic Fever) .. .. .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis .. .. .	83	80	74	75	68	65	67	68	61	61	63	61	62	53	52	49	50	51	45	44
Gonorrhoea .. .. .	0	0	0	0	1	1	0	0	1	0	1	0	1	1	1	1	1	1	0	1

\* Formerly called Simple Continued Fever.

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TABLE 23 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.																				
Puerperal Septicæmia, Puerp. Septic Intoxication	2701	2580	2534	2160	2521	2457	1909	2016	2069	2439	3094	2257	1927	2123	1898	1767	1973	2017	1490	1464																				
Puerperal Pyæmia																					37	54																		
Phlegmasia Alba Dolens																					74	95																		
Puerperal Fever (not otherwise defined)																					478	390																		
Infective Endocarditis*	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?																				
Pneumonia	11813	11059	12384	12005	13166	12729	12428	16235	17467	15660	16144	13972	15282	15075	14672	15328	16801	18153	200	189																				
Lobar																					809	1291																		
Broncho-																					6984	8634																		
Epidemic																					40	3																		
not defined	7957	9977																																						
Erysipelas	1002	1006	938	719	934	775	614	668	619	707	896	647	535	531	513	454	603	581	106	146																				
Septicæmia, Septic Intoxication (not Puerperal)	245	312	285	218	172	229	181	212	189	226	282	210	205	194	210	206	243	272	58	91																				
Pyæmia (not Puerperal)	164	166	169	158	166	186	156	203	173	217	263	185	216	249	233	232	253	290	298	338																				
Phlegmon, Carbuncle (not Anthrax)	42	46	37	25	20	38	30	17	26	28	43	24	32	16	37	20	21	27	12	14																				
Phagedæna	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	113	75																				
Other Infective Processes																																								
Pulmonary Tuberculosis (Tuberculous Phthisis)	24587	24049	23379	22830	21598	20743	21027	22317	21425	20100	20032	18886	19463	18085	18596	18298	18502	18496	3229	4213																				
Phthisis (not otherwise defined)																					14541	13237																		
Tuberculous Meningitis																					3079	3131	3086	3120	2907	3021	2997	3066	3188	2957	3062	2960	3055	2992	3084	3073	2997	2983	2820	2877
Tuberculous Peritonitis																					3590	3919	3151	3849	3261	3115	3620	3519	3404	3382	3751	2758	3479	2846	2900	3013	2959	2812	1458	1480
Tabes Mesenterica																					42	45	36	54	55	53	47	40	60	53	38	38	54	45	38	37	42	35	1431	1035
Lupus																																							41	56
Tubercle of other Organs																																							480	515
General Tuberculosis																					2079	2229	2022	2260	2298	2383	2480	2573	2788	2841	2592	2559	2790	2537	2499	2657	2549	2695	1884	1932
Scrofula																																							165	93
Parasitic Diseases																					503	503	383	488	379	345	339	332	302	310	300	222	258	202	195	203	180	177	173	135
Starvation	24	29	16	7	10	20	14	23	32	26	34	25	26	14	16	23	15	17	7	10																				
Scurvy	4	2	9	4	5	7	10	7	10	7	10	11	14	11	14	9	11	26	16	15																				
Alcoholism, Delirium Tremens	397	426	442	509	528	522	568	729	728	740	840	733	808	824	937	964	1136	1575	1353	1111																				

\* For years prior to 1901, deaths from Infective Endocarditis are included under the heading "Valvular Disease, Endocarditis." (See p. cxxxii.)

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TABLE 24 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million Living, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.																				
Puerperal Septicæmia, Puerp. Septic Intoxication	197	186	181	153	176	169	130	136	138	160	202	145	123	133	118	109	120	121	88	86																				
Puerperal Pyæmia																					2	3																		
Phlegmasia Alba Dolens																					4	6																		
Puerperal Fever (not otherwise defined)																					28	23																		
Infective Endocarditis*	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?																				
Pneumonia	863	797	885	848	919	876	848	1095	1165	1030	1052	900	973	946	912	942	1021	1090	415	507																				
Lobar																					472	585																		
Broncho-																					33	36																		
Epidemic																					6	9																		
not defined	472	585																																						
Erysipelas	73	72	67	51	65	53	42	45	41	46	58	42	34	33	32	28	37	35	33	36																				
Septicæmia, Septic Intoxication (not Puerperal)	18	22	20	15	12	16	12	14	13	15	18	14	13	12	13	13	15	16	6	9																				
Pyæmia (not Puerperal)	12	12	13	11	12	13	10	14	12	14	17	12	14	16	14	14	15	17	3	5																				
Phlegmon, Carbuncle (not Anthrax)	3	3	3	2	1	3	2	1	2	2	3	2	2	1	2	1	1	2	1	1																				
Phagedæna	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	7	4																				
Other Infective Processes																																								
Pulmonary Tuberculosis (Tuberculous Phthisis)	1797	1733	1670	1612	1508	1428	1435	1506	1429	1321	1305	1216	1239	1135	1156	1125	1124	1111	192	247																				
Phthisis (not otherwise defined)																					863	777																		
Tuberculous Meningitis																					225	226	220	220	203	208	205	207	213	194	200	191	194	188	192	189	182	179	167	168
Tuberculous Peritonitis																					262	282	225	272	228	214	247	237	227	222	244	178	221	179	180	185	180	169	87	87
Tabes Mesenterica																					3	3	3	4	4	4	3	3	4	3	2	2	3	3	2	2	3	2	85	61
Lupus																																							2	3
Tubercle of other Organs																																							28	30
General Tuberculosis																					152	161	144	160	160	164	169	174	186	187	169	165	178	159	155	163	155	162	112	113
Scrofula																																							10	5
Parasitic Diseases																					37	36	28	34	26	23	23	22	20	20	20	14	16	13	12	12	11	11	10	8
Starvation	2	2	1	0	1	1	1	2	2	2	2	2	2	1	1	1	1	1	0	1																				
Scurvy	0	0	1	0	0	0	1	0	1	0	0	1	1	1	1	1	1	1	1	1																				
Alcoholism, Delirium Tremens	29	30	32	36	37	35	39	50	49	49	55	47	51	52	58	59	69	95	80	65																				

\* See note to Table 23.

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TABLE 23 (continued).—ENGLAND AND WALES—Deaths from Various Causes, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Opium, Morphia-habit .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	6	11
Industrial Poisoning :—																				
By Lead .. .. .	23	8	23	17	16	14	23	30	26	21	28	29	27	24	25	21	12	9	5	3
" Phosphorus .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	1
" Arsenic and other Metals .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
Rheumatic Fever, Acute Rheumatism .. .. .	1118	1333	1419	1248	1330	1332	1126	1203	1269	1217	1539	1366	1155	1360	1261	1220	1345	1357	1062	1055
<i>Rheumatism of Heart</i> .. .. .																			313	351
Chronic Rheumatism .. .. .	544	455	450	485	551	515	482	561	573	575	470	440	520	502	519	500	518	502	455	308
Rheumatic Arthritis, Rheumatic Gout .. .. .	118	112	122	101	129	120	107	125	132	113	137	137	112	118	108	101	131	121	558	522
Gout .. .. .																			105	103
Carcinoma* .. .. .	9647	9852	10065	10489	10851	11222	11763	12296	12823	12806	13227	13345	14317	14305	14158	14515	15165	15425	7947	8469
Sarcoma .. .. .																			830	847
<i>Cancer, Malignant Disease (not otherwise defined)*</i> .. .. .																			7819	7458
Rickets .. .. .	239	282	262	331	282	341	428	471	530	593	535	517	667	544	630	593	585	563	564	589
Purpura .. .. .	158	166	150	138	138	149	176	139	167	144	171	181	170	157	176	188	155	152	154	158
Hæmophilia, Hæmorrhagic Diathesis .. .. .	668	657	688	809	841	961	901	918	1000	966	971	991	1215	1149	1150	1107	1161	1114	30	29
Anæmia, Leucocythæmia .. .. .	531	589	628	656	731	703	774	787	848	869	913	871	1003	1043	1123	1148	1270	1312	1143	1050
Diabetes Mellitus .. .. .																			1399	1307
Premature Birth .. .. .	5558	5736	5574	6028	6182	6120	6330	6719	7326	7233	7590	6847	7650	7645	7759	7959	8148	8163	8119	8248
Congenital Defects .. .. .	972	1009	1123	1037	958	1066	1046	1019	1061	1171	1188	1166	1237	1188	1195	1147	1250	1327	1825	1829
Injury at Birth .. .. .	14	19	26	23	21	37	23	34	21	31	52	52	58	84	73	77	137	194	221	262
Atelectasis .. .. .	246	223	292	273	291	370	300	323	375	395	393	407	480	518	459	485	498	499	489	486
Want of Breast Milk .. .. .	183	110	100	108	123	126	120	95	116	124	162	96	122	128	142	143	152	213	228	248
Teething .. .. .	2112	2215	2065	2203	1880	1831	1956	2080	2107	1891	1860	1594	1880	1745	1656	1638	1551	1622	1518	1433

\* For the years 1897-1900, deaths from Carcinoma are included under the heading "Cancer, Malignant Disease."

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TABLE 24 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Opium, Morphia-habit .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	0	1
Industrial Poisoning :—																				
By Lead .. .. .	2	1	2	1	1	1	2	2	2	1	2	2	2	2	2	1	1	1	0	0
" Phosphorus .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
" Arsenic and other Metals .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	—	—
Rheumatic Fever, Acute Rheumatism .. .. .	82	96	101	88	93	92	77	81	85	80	100	88	74	85	78	75	82	81	63	62
<i>Rheumatism of Heart</i> .. .. .																			19	21
Chronic Rheumatism .. .. .	40	33	32	34	38	35	33	38	38	38	31	28	33	31	32	31	31	30	27	18
Rheumatic Arthritis, Rheumatic Gout .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	33	31
Gout .. .. .	9	8	9	7	9	8	7	8	9	7	9	9	7	7	7	6	8	7	6	6
Carcinoma* .. .. .	705	710	719	741	758	773	803	830	855	842	862	859	911	898	880	892	921	926	472	497
Sarcoma .. .. .																			49	50
<i>Cancer, Malignant Disease (not otherwise defined)*</i> .. .. .																			464	438
Rickets .. .. .	17	20	19	23	20	23	29	32	35	39	35	33	42	34	39	36	36	34	33	35
Purpura .. .. .	12	12	11	10	10	10	12	9	11	9	11	12	11	10	11	12	9	9	9	9
Hæmophilia, Hæmorrhagic Diathesis .. .. .	49	47	49	57	59	66	61	62	67	64	63	64	77	72	72	68	71	67	68	62
Anæmia, Leucocythæmia .. .. .	39	42	45	46	51	48	53	53	57	57	59	56	64	65	70	71	77	79	83	77
Diabetes Mellitus .. .. .																				
Premature Birth .. .. .	406	413	398	426	432	421	432	453	489	476	495	441	487	480	483	489	495	490	482	484
Congenital Defects .. .. .	72	72	81	73	67	74	71	69	71	77	77	75	79	75	74	71	76	80	108	108
Injury at Birth .. .. .	1	1	2	2	1	3	2	2	1	2	3	3	4	5	5	5	8	12	13	15
Atelectasis .. .. .	18	16	21	19	20	25	20	22	25	26	26	26	31	33	29	30	30	30	29	29
Want of Breast Milk .. .. .	13	8	7	8	9	9	8	6	8	8	11	6	8	8	9	9	9	13	14	15
Teething .. .. .	154	160	148	156	131	126	133	140	141	124	121	103	120	109	103	101	94	97	90	84

\* See note to Table 23.

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TABLE 23 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Meningitis, Inflammation of Brain .. .. .	3822	3888	3899	4340	4076	4025	3982	4068	3881	3660	3843	3299	3541	3384	3403	3521	3379	3531	3291	3044
Softening of Brain .. .. .	1356	1433	1492	1497	1565	1448	1495	1555	1518	1393	1399	1192	1288	1178	1180	1238	1188	1072	1032	952
General Paralysis of Insane .. .. .	1234	1159	1119	928	1030	1023	1008	1036	1124	1040	1204	1131	1330	1242	1439	1304	1376	1654	544	576
Insanity (not Puerperal) .. .. .	84	79	106	71	78	81	70	80	98	77	88	92	91	84	111	113	132	125	752	945
Chorea .. .. .	1471	1494	1486	1499	1480	1416	1421	1492	1491	1351	1365	1253	1387	1273	1192	1311	1375	1451	134	105
Epilepsy .. .. .	9874	10046	9540	9981	9490	9125	9308	9444	9496	8982	9277	7881	8948	8113	7939	7861	7975	8114	1350	1412
Convulsions .. .. .	310	290	251	261	262	267	239	242	287	261	253	183	238	208	193	172	154	175	7825	7127
Laryngismus Stridulus .. .. .	629	709	744	845	778	822	803	859	912	842	839	850	949	849	915	957	944	940	182	173
Locomotor Ataxy .. .. .	629	709	744	845	778	822	803	859	912	842	839	850	949	849	915	957	944	940	68	74
Paraplegia, Diseases of Cord .. .. .	629	709	744	845	778	822	803	859	912	842	839	850	949	849	915	957	944	940	1013	960
Neuritis, Peripheral, Poly-Neuritis .. .. .	2203	2182	2113	2034	2136	2184	1901	1714	1769	1650	1829	1542	1733	1500	1428	1460	1496	1166	8	223
Brain Tumour (not Specific) .. .. .	2203	2182	2113	2034	2136	2184	1901	1714	1769	1650	1829	1542	1733	1500	1428	1460	1496	1166	187	274
Other Diseases of Nervous System .. .. .	2203	2182	2113	2034	2136	2184	1901	1714	1769	1650	1829	1542	1733	1500	1428	1460	1496	1166	2026	1882
Otitis, Mastoid Disease .. .. .	168	163	193	195	184	218	204	253	251	265	324	344	334	376	394	409	408	441	443	431
Epistaxis, Diseases of Nose .. .. .	43	42	29	44	54	36	43	29	38	36	45	44	41	44	43	40	32	41	36	30
Ophthalmia, Diseases of Eye .. .. .	24	30	28	34	42	25	31	16	27	23	26	32	33	27	24	18	24	28	26	24
Valvular Disease, Endocarditis (not Infective)* ..	3083	3326	3712	3770	3901	4014	4078	4505	5006	4781	4887	4915	5413	5461	5566	5937	6479	6945	6770	6951
Pericarditis .. .. .	207	215	225	228	228	227	176	274	305	262	283	252	248	254	205	217	272	254	299	207
Hypertrophy of Heart .. .. .	185	174	164	148	141	157	144	127	148	128	110	98	119	87	84	102	107	103	89	109
Angina Pectoris .. .. .	233	246	245	199	246	264	256	242	272	226	237	243	248	259	233	223	246	255	225	248
Dilatation of Heart .. .. .	15504	15933	17501	17925	18368	18711	18461	19664	20705	18941	18261	17164	19419	17450	18090	18178	19292	19178	1172	1327
Fatty Degeneration of Heart .. .. .	15504	15933	17501	17925	18368	18711	18461	19664	20705	18941	18261	17164	19419	17450	18090	18178	19292	19178	1068	1147
Syncope, Heart Disease (not specified)† ..	15504	15933	17501	17925	18368	18711	18461	19664	20705	18941	18261	17164	19419	17450	18090	18178	19292	19178	15915	15240
Cerebral Hæmorrhage, Cerebral Embolism‡	13035	12951	13155	13576	13392	13592	13210	13714	14297	13610	13250	12249	13293	12886	13200	13192	13835	13585	5897	6495
Apoplexy, Hemiplegia .. .. .	167	191	216	194	170	180	195	174	185	180	198	191	195	198	191	182	176	178	7156	6434
Aneurysm .. .. .	491	503	607	657	629	612	611	640	717	603	531	600	601	569	603	580	588	693	194	225
Senile Gangrene .. .. .	556	528	592	583	652	701	683	634	611	650	706	697	766	825	820	846	978	1007	658	676
Embolism, Thrombosis (not Cerebral)‡	70	89	90	69	94	75	74	88	99	104	99	76	84	86	90	103	117	107	329	280
Phlebitis .. .. .	56	57	65	50	55	52	68	54	72	78	78	64	53	69	72	64	58	82	102	99
Varicose Veins .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	75	73
Other Diseases of Blood Vessels† .. .. .	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	448	512

\* For years prior to 1901, deaths from Infective Endocarditis also are included under the heading "Valvular Disease, Endocarditis (not Infective)." (See also p. cxxviii.)  
 † For years prior to 1901, deaths from "Other Diseases of Blood Vessels" are included under the heading "Syncope, Heart Disease (not specified)."  
 ‡ For years prior to 1901, deaths from Cerebral Embolism and Cerebral Thrombosis are included under the heading "Embolism, Thrombosis (not Cerebral)."

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TABLE 24 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Meningitis, Inflammation of Brain .. .. .	279	280	279	307	285	277	272	274	259	241	250	212	225	212	212	216	205	212	195	179
Softening of Brain .. .. .	99	103	107	106	109	100	102	105	101	92	91	77	82	74	73	76	72	64	61	56
General Paralysis of Insane .. .. .	90	84	80	66	72	70	69	70	75	68	78	73	85	78	89	80	84	99	32	34
Insanity (not Puerperal) .. .. .	6	6	8	5	5	6	5	5	7	5	6	6	6	5	7	7	8	8	45	55
Chorea .. .. .	108	108	106	106	103	97	97	101	99	89	89	81	88	80	74	81	84	87	8	6
Epilepsy .. .. .	722	724	681	705	663	628	635	637	633	591	664	508	570	509	494	483	485	487	80	83
Convulsions .. .. .	23	21	18	18	18	18	16	16	19	17	16	12	15	13	12	11	9	11	11	10
Laryngismus Stridulus .. .. .	46	51	53	60	54	57	55	58	61	55	55	55	60	53	57	59	57	56	4	4
Locomotor Ataxy .. .. .	46	51	53	60	54	57	55	58	61	55	55	55	60	53	57	59	57	56	60	56
Paraplegia, Diseases of Cord .. .. .	46	51	53	60	54	57	55	58	61	55	55	55	60	53	57	59	57	56	5	13
Neuritis, Peripheral, Poly-Neuritis .. .. .	161	158	151	143	149	150	130	115	118	108	119	99	110	94	89	90	91	70	11	16
Brain Tumour (not Specific) .. .. .	161	158	151	143	149	150	130	115	118	108	119	99	110	94	89	90	91	70	11	16
Other Diseases of Nervous System .. .. .	161	158	151	143	149	150	130	115	118	108	119	99	110	94	89	90	91	70	120	110
Otitis, Mastoid Disease .. .. .	12	12	14	14	13	15	14	17	17	17	21	22	21	24	25	25	25	26	26	25
Epistaxis, Diseases of Nose .. .. .	3	3	2	3	4	2	3	2	3	2	3	3	3	3	3	2	2	2	2	2
Ophthalmia, Diseases of Eye .. .. .	2	2	2	2	3	2	2	1	2	2	2	2	2	2	1	1	1	2	2	1
Valvular Disease, Endocarditis (not Infective)* ..	225	240	265	266	272	276	278	304	334	314	318	317	345	343	346	365	394	417	402	408
Pericarditis .. .. .	15	15	16	16	16	16	12	18	20	17	18	16	16	16	13	13	17	15	18	12
Hypertrophy of Heart .. .. .	14	13	12	10	10	11	10	9	10	8	7	6	8	5	5	7	6	6	5	6
Angina Pectoris .. .. .	17	18	18	14	17	18	17	16	18	15	15	16	16	16	14	14	15	15	13	15
Dilatation of Heart .. .. .	1134	1148	1250	1266	1282	1288	1260	1326	1381	1245	1190	1105	1236	1095	1125	1117	1172	1152	70	78
Fatty Degeneration of Heart .. .. .	1134	1148	1250	1266	1282	1288	1260	1326	1381	1245	1190	1105	1236	1095	1125	1117	1172	1152	63	67
Syncope, Heart Disease (not specified)* ..	1134	1148	1250	1266	1282	1288	1260	1326	1381	1245	1190	1105	1236	1095	1125	1117	1172	1152	945	894
Cerebral Hæmorrhage, Cerebral Embolism*	953	933	940	958	935	936	902	927	954	895	863	789	846	809	821	811	841	816	350	381
Apoplexy, Hemiplegia .. .. .	12	14	15	14	12	12	13	12	12	12	13	12	12	12	12	11	11	11	425	377
Aneurysm .. .. .	36	36	43	40	44	42	42	43	48	40	35	39	38	36	37	36	36	42	12	13
Senile Gangrene .. .. .	41	38	42	41	45	48	46	43	41	43	46	45	49	52	51	52	59	60	39	40

TABLE 23 (continued).—ENGLAND AND WALES—Deaths from Various Causes, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Laryngitis .. .. .	685	750	737	692	765	730	664	718	637	634	767	634	630	625	590	512	571	652	687	646
Membranous Laryngitis (not Diphtheritic) ..	2127	2166	1957	1678	1887	1661	1513	1385	1246	1018	949	803	756	744	501	394	453	377	13	16
Croup (not Spasmodic nor Membranous) ..	104	96	66	71	79	84	70	70	57	64	67	54	67	60	60	46	47	54	384	266
Other Diseases of Larynx and Trachea ..	28926	25965	30181	30957	29575	28466	27824	33418	37623	33787	28951	24700	30627	23848	23533	23651	26111	27863	25	19
Bronchitis .. .. .	1069	956	1076	1000	1026	1002	876	1047	1302	1210	918	887	1064	843	857	962	1191	1046	963	672
Emphysema, Asthma .. .. .	653	628	739	598	676	628	528	733	792	677	736	592	657	618	588	637	662	736	697	600
Pleurisy .. .. .	2212	2172	2441	2335	2293	2124	1953	2187	2426	2139	1935	1663	1938	1749	1670	1595	1677	1667	180	177
Fibroid Disease of Lung .. .. .																			1575	1457
Other Diseases of Respiratory System ..																				
Tonsillitis, Quinsy .. .. .	554	651	562	545	618	514	598	602	587	539	663	520	595	537	510	496	527	528	224	189
Dis. of Mouth, Pharynx, Esophagus (not Specific)*																			286	256
Gastric Ulcer .. .. .	1505	1655	1652	2034	2011	1937	2046	2369	2381	2446	2734	2548	2943	2886	2899	3053	3365	3696	1067	1167
Gastric Catarrh .. .. .																			606	508
Other Diseases of Stomach (not Malignant)..																			2248	1941
Enteritis (not Epidemic) .. .. .	1858	1994	1815	2213	2073	1936	2473	2750	2694	2899	4227	3005	5160	4833	6389	7903	9331	6260	2697	2000
Gastro-enteritis .. .. .																			1914	1009
Appendicitis, Perityphlitis.. .. .																			508	584
Hernia .. .. .	551	585	557	599	612	601	676	638	657	686	719	596	686	663	677	708	805	710	736	819
Intestinal Obstruction .. .. .	1220	1199	1296	1307	1276	1307	1381	1262	1353	1260	1344	1319	1413	1321	1369	1364	1435	1337	1342	1248
Other Diseases of Intestines†																			97	137
Peritonitis (not Puerperal) .. .. .	1260	1295	1255	1254	1205	1216	1256	1340	1431	1205	1394	1126	1112	1044	983	969	1010	991	806	609
Cirrhosis of Liver .. .. .	1357	1508	1477	1531	1455	1454	1505	1561	1552	1580	1577	1490	1629	1690	1851	1828	1958	2112	1933	1770
Other Diseases of Liver and Gall Bladder ..	3344	3218	3214	3152	3020	2730	2729	2574	2435	2268	2275	2093	2100	2046	1886	1863	1832	1803	1532	1354
Other Diseases of Digestive System*† ..	826	760	618	665	717	723	715	716	689	649	730	653	457	456	483	429	340	306	287	236

\* For years prior to 1901, deaths from "Diseases of the Esophagus" are included under the heading "Other Diseases of the Digestive System."  
 † For years prior to 1901, deaths from "Other Diseases of the Intestines" are included under the heading "Other Diseases of the Digestive System."

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TABLE 24 (continued).—ENGLAND AND WALES—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Laryngitis .. .. .	50	54	53	49	53	50	45	48	42	42	50	41	40	39	37	31	35	39	41	38
Membranous Laryngitis (not Diphtheritic) ..	155	156	140	119	132	114	103	93	83	67	62	52	48	47	31	24	28	23	23	16
Croup (not Spasmodic nor Membranous) ..	8	7	5	5	6	6	5	5	4	4	4	3	4	4	4	3	3	3	1	1
Other Diseases of Larynx and Trachea ..	2114	1871	2156	2186	2065	1960	1899	2255	2509	2221	1886	1591	1950	1496	1463	1454	1586	1673	1349	1308
Bronchitis .. .. .	78	69	77	71	72	69	60	71	87	80	60	57	68	53	53	59	72	63	57	39
Emphysema, Asthma .. .. .	48	45	53	42	47	43	36	49	53	45	48	38	42	39	37	39	40	44	41	35
Pleurisy .. .. .	162	157	174	165	160	146	133	148	162	141	126	107	123	110	104	98	102	100	93	85
Fibroid Disease of Lung .. .. .																				
Other Diseases of Respiratory System ..																				
Tonsillitis, Quinsy .. .. .	41	47	40	38	43	35	41	40	39	35	43	33	38	34	32	30	32	32	13	11
Dis. of Mouth, Pharynx, Esophagus (not Specific)*																			17	15
Gastric Ulcer .. .. .	110	119	118	143	141	133	139	160	159	161	178	164	187	181	180	188	204	222	63	68
Gastric Catarrh .. .. .																			36	30
Other Diseases of Stomach (not Malignant)..																			133	114
Enteritis (not Epidemic) .. .. .	136	144	129	156	145	133	169	187	180	191	275	194	328	303	397	486	567	376	160	117
Gastro-enteritis .. .. .																			114	59
Appendicitis, Perityphlitis.. .. .																			30	34
Hernia .. .. .	40	42	40	42	43	41	46	43	44	45	47	38	44	42	42	44	49	43	44	48
Intestinal Obstruction .. .. .	89	86	93	93	89	90	94	85	90	83	88	85	90	83	85	84	87	80	80	73
Other Diseases of Intestines*																			6	8
Peritonitis (not Puerperal) .. .. .	92	93	90	89	84	84	86	90	95	79	91	73	71	66	61	60	61	60	48	26
Cirrhosis of Liver .. .. .	99	109	106	108	102	100	103	105	104	104	103	96	104	106	115	112	119	127	115	104
Other Diseases of Liver and Gall Bladder ..	244	232	229	222	211	188	186	174	162	149	148	135	134	128	117	115	111	108	91	79
Other Diseases of Digestive System* ..	61	55	45	47	51	49	49	48	46	43	48	42	29	29	30	26	21	18	17	14

\* See note to Table 23.

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TABLE 23 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Diseases of Spleen .. .. .	68	65	69	59	46	44	60	49	45	47	52	41	38	35	38	32	24	21	34	32
Other Diseases of Lymphatic System .. .. .	50	76	65	76	74	103	104	78	98	117	106	105	107	108	118	105	118	138	150	134
Diseases of Thyroid Body .. .. .	80	92	97	100	112	109	126	142	132	140	213	166	185	196	205	255	279	285	394	370
Diseases of Supra Renal Capsules .. .. .	79	77	79	66	77	77	75	72	83	74	85	74	98	109	105	105	107	116	87	87
Acute Nephritis, Uræmia .. .. .	820	758	786	845	772	881	906	1010	1044	1044	1080	1092	1129	1220	1260	1261	1363	1330	1289	1372
Chronic Bright's Disease, Albuminuria .. .. .	2814	2848	2984	3130	3086	3180	3215	3270	3462	3385	3464	3424	3872	3699	3783	3969	4273	4486	4441	4208
Calculus (not Biliary) .. .. .	52	46	49	47	49	55	59	46	61	66	55	53	65	53	61	72	57	75	59	67
Diseases of Bladder and of Prostate .. .. .	232	201	206	252	221	221	231	213	220	240	236	253	254	236	219	211	210	243	222	235
Other Diseases of Urinary System .. .. .	606	601	517	480	581	460	387	388	448	380	319	263	274	227	260	282	229	120	152	127
Ovarian Tumour (not Malignant) .. .. .	572	598	567	589	600	558	498	494	536	499	506	435	500	456	457	447	446	406	348	373
Other Diseases of Ovary .. .. .	669	683	700	680	678	614	617	648	648	675	723	734	688	710	745	682	709	667	339	334
Uterine Tumour (not Malignant) .. .. .	91	94	73	63	85	84	81	87	77	63	71	76	91	73	74	65	88	92	76	58
Other Diseases of Uterus and Vagina .. .. .	105	178	160	159	172	176	162	162	139	102	64	61	55	63	59	58	64	44	19	16
Disorders of Menstruation .. .. .																				
Other Diseases of Gener. & Mamm. Organs .. .. .																				
Abortion, Miscarriage .. .. .	83	96	104	107	80	88	88	185	228	255	161	160	180	215	191	187	179	218	152	148
Puerperal Mania .. .. .	101	114	97	71	84	70	87	87	105	77	83	76	65	77	74	59	74	73	70	79
Puerperal Convulsions .. .. .	329	352	412	335	336	362	313	296	373	333	376	350	325	358	314	386	347	387	376	400
Placenta Prævia, Flooding .. .. .	794	762	852	774	738	763	726	700	778	806	803	780	710	701	694	660	691	614	699	637
Other Accidents of Pregnancy and Childbirth .. .. .	500	443	450	430	401	420	462	971	1234	1284	1433	1152	1012	1087	1079	1015	1062	1146	1018	938
Caries, Necrosis .. .. .	418	452	439	454	446	423	449	412	468	405	424	403	400	389	349	339	340	346	344	298
Arthritis, Periostitis .. .. .	94	70	105	101	74	102	87	116	117	113	145	114	119	112	101	102	137	118	82	80
Other Diseases of Locomotor System .. .. .	614	558	518	545	576	489	496	461	401	355	260	246	268	208	215	183	184	148	164	137
Ulcer, Bed-sore .. .. .	380	359	336	389	374	371	349	352	365	378	359	368	372	308	379	366	361	372	314	265
Eczema .. .. .	144	164	152	183	159	146	162	154	180	188	205	148	188	163	147	177	153	150	173	144
Pemphigus .. .. .	34	43	34	35	32	46	61	49	59	44	67	58	68	79	73	69	74	88	69	66
Other Diseases of the Skin .. .. .	115	116	101	116	106	88	108	109	94	100	112	118	118	116	83	100	112	184	110	113

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TABLE 24 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Diseases of Spleen .. .. .	5	5	5	4	3	3	4	5	3	3	3	3	2	2	2	2	1	1	2	2
Other Diseases of Lymphatic System .. .. .	4	5	5	5	5	7	7	3	7	8	7	7	7	7	7	6	7	8	9	8
Diseases of Thyroid Body .. .. .	6	7	7	7	8	8	9	10	9	9	14	11	12	12	13	16	17	17	23	22
Diseases of Supra Renal Capsules .. .. .	6	6	6	5	5	5	5	5	6	5	6	5	6	7	7	6	7	7	5	5
Acute Nephritis, Uræmia .. .. .	60	55	57	59	54	61	62	68	70	69	70	70	72	77	78	78	83	80	77	80
Chronic Bright's Disease, Albuminuria .. .. .	206	205	213	221	215	219	219	221	231	223	226	221	246	232	235	244	260	269	204	247
Calculus (not Biliary) .. .. .	4	3	4	3	3	4	4	3	4	4	4	3	4	3	4	4	3	5	4	4
Diseases of Bladder and of Prostate .. .. .	17	14	15	18	15	15	16	14	15	16	15	16	16	15	14	13	13	15	13	14
Other Diseases of Urinary System .. .. .	44	44	37	34	40	32	27	26	30	25	21	17	17	14	16	17	14	7	9	7
Ovarian Tumour (not Malignant) .. .. .	42	43	41	42	42	38	34	33	36	33	33	28	32	29	28	27	27	24	21	22
Other Diseases of Ovary .. .. .	49	49	50	48	47	42	42	44	43	44	47	47	44	45	46	42	43	40	20	20
Uterine Tumour (not Malignant) .. .. .	7	7	5	4	6	6	6	6	5	4	5	5	6	5	5	4	5	6	5	3
Other Diseases of Uterus and Vagina .. .. .	7	13	11	11	12	12	11	11	9	7	4	4	4	4	4	4	4	3	1	1
Disorders of Menstruation .. .. .																				
Other Diseases of Gener. & Mamm. Organs .. .. .																				
Abortion, Miscarriage .. .. .	6	7	7	8	6	6	6	12	15	17	10	10	11	13	12	11	11	13	9	9
Puerperal Mania .. .. .	7	8	7	5	6	5	6	6	7	5	5	5	4	5	5	4	4	4	4	5
Puerperal Convulsions .. .. .	24	25	29	24	23	25	21	20	25	22	24	23	21	22	20	24	21	23	22	23
Placenta Prævia, Flooding .. .. .	58	55	61	55	52	53	50	47	52	53	52	50	45	44	43	41	42	37	41	37
Other Accidents of Pregnancy and Childbirth .. .. .	37	32	32	30	28	29	32	66	82	84	93	74	64	68	67	62	65	69	60	55
Caries, Necrosis .. .. .	31	33	31	32	31	29	31	28	31	27	28	26	25	24	22	21	21	21	20	17
Arthritis, Periostitis .. .. .	7	5	8	7	5	7	6	8	8	7	9	7	8	7	6	6	8	7	5	5
Other Diseases of Locomotor System .. .. .	45	40	37	38	40	34	34	31	27	23	17	16	17	13	13	11	11	9	10	8
Ulcer, Bed-sore .. .. .	28	26	24	27	26	26	24	24	24	25	23	24	24	19	24	22	22	22	19	16
Eczema .. .. .	11	12	11	13	11	10	11	10	12	12	13	10	12	10	9	11	9	9	10	8
Pemphigus .. .. .	2	3	2	2	2	3	4	3	4	3	4	4	4	5	5	4	4	5	4	4
Other Diseases of the Skin .. .. .	8	8	7	8	7	6	7	7	6	7	7	8	8	7	5	6	7	8	7	7

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TABLE 23 (continued).—ENGLAND AND WALES.—Deaths from Various Causes, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
OTHER SPECIFIED DISEASES.	226	236	253	290	306	313	360	414	463	477	455	421	519	527	578	605	721	755	—	1
CAUSES ILL-DEFINED OR NOT SPECIFIED.																				
<i>Atrophy, Debility</i> .. .. .	11355	11612	10243	11037	10077	9416	9703	10003	9861	9585	10328	8287	10013	8805	9034	9092	9108	8989	8705	7819
<i>Old Age</i> .. .. .	16036	15165	15828	16161	15283	15464	15364	16043	16930	16053	15340	14103	16997	15038	16358	16550	17955	17961	17126	17320
<i>Dropsy, Ascites, Anasarca</i> .. .. .	1376	727	487	423	369	351	319	330	270	258	238	198	228	186	167	185	221	223	138	97
<i>Tumour</i> .. .. .	246	269	228	240	117	86	98	100	79	90	74	78	74	49	77	53	56	48	58	53
<i>Abscess</i> .. .. .	328	344	326	318	321	285	307	297	272	294	277	232	185	199	197	189	185	169	159	147
<i>Hæmorrhage</i> .. .. .	72	62	70	59	74	42	52	62	45	56	75	58	55	46	38	48	40	55	12	25
<i>Sudden Death (cause unascertained)</i> .. .. .	165	202	185	178	198	159	155	194	141	172	151	121	143	127	83	90	83	110	61	83
<i>Other ill-defined causes</i> .. .. .	1637	1540	1403	1370	1358	1227	1171	1168	1142	989	835	762	888	768	800	753	686	788	155	298
<i>Causes not specified</i> .. .. .																			436	256
VIOLENT DEATHS.																				
In Mines and Quarries .. .. .																			1	—
Vehicles and Horses .. .. .																			382	324
Ships, Boats, and Docks (not Drowning) .. .. .																			2	1
Building Operations .. .. .																			—	—
Machinery .. .. .																			12	12
Weapons and Implements .. .. .																			18	9
Burns and Scalds .. .. .	4116	4036	4041	3963	4347	4269	4151	4565	4809	4725	4854	4531	5369	4993	5121	5024	5429	5074	1530	1457
Poisons, Poisonous Vapours .. .. .																			210	161
Drowning .. .. .																			406	390
Suffocation .. .. .																			938	950
Falls .. .. .																			1303	1172
Weather Agencies .. .. .																			137	66
Otherwise, or not stated .. .. .																			332	306
Battle .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Homicide .. .. .	134	148	137	130	171	146	131	126	157	147	152	136	150	147	132	145	148	139	175	166
Suicide .. .. .	517	493	478	560	559	576	544	570	620	676	659	677	726	677	702	711	723	730	803	807
Execution .. .. .	1	3	—	1	1	—	—	—	1	—	—	1	—	1	—	—	2	—	—	—

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TABLE 24 (continued).—ENGLAND AND WALES.—Annual Death-rates from Various Causes, to a Million living, 1883-1902.—Females.

CAUSES OF DEATH.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
OTHER SPECIFIED DISEASES.	17	17	18	20	21	22	25	28	31	31	30	27	33	33	36	37	44	45	—	0
CAUSES ILL-DEFINED OR NOT SPECIFIED.																				
<i>Atrophy, Debility</i> .. .. .	830	837	732	780	704	648	662	675	658	630	673	534	637	552	562	559	553	540	517	459
<i>Old Age</i> .. .. .	1171	1094	1131	1142	1066	1066	1048	1082	1126	1059	1004	904	1078	944	1020	1018	1089	1082	1019	1018
<i>Dropsy, Ascites, Anasarca</i> .. .. .	101	52	35	30	26	24	21	22	18	17	16	13	15	12	10	11	13	13	8	6
<i>Tumour</i> .. .. .	18	19	16	17	8	6	7	7	5	6	5	5	5	3	5	3	3	3	3	3
<i>Abscess</i> .. .. .	24	25	23	22	22	20	21	20	18	19	18	15	12	12	12	11	10	10	9	9
<i>Hæmorrhage</i> .. .. .	5	4	5	4	5	3	4	4	3	4	5	4	4	3	2	3	2	3	1	1
<i>Sudden Death (cause unascertained)</i> .. .. .	12	15	13	13	14	11	11	13	9	11	10	8	9	8	5	6	5	7	4	5
<i>Other ill-defined causes</i> .. .. .	118	112	94	102	101	84	79	80	76	65	54	49	57	48	50	46	42	47	26	15
<i>Causes not specified</i> .. .. .																				
VIOLENT DEATHS.																				
In Mines and Quarries .. .. .																			0	—
Vehicles and Horses .. .. .																			23	19
Ships, Boats, and Docks (not Drowning) .. .. .																			0	0
Building Operations .. .. .																			1	1
Machinery .. .. .																			1	1
Weapons and Implements .. .. .																			91	85
Burns and Scalds .. .. .	301	291	288	279	304	294	283	309	321	310	316	292	342	313	319	309	331	304	12	9
Poisons, Poisonous Vapours .. .. .																			24	23
Drowning .. .. .																			56	56
Suffocation .. .. .																			77	69
Falls .. .. .																			8	4
Weather Agencies .. .. .																			20	18
Otherwise, or not stated .. .. .																				
Battle .. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Homicide .. .. .	10	11	10	9	12	10	9	9	10	10	10	9	10	9	8	9	9	8	10	10
Suicide .. .. .	38	36	34	40	39	40	37	38	41	44	43	44	46	42	44	44	44	44	48	47
Execution .. .. .	0	0	—	0	0	—	—	—	0	—	—	—	—	0	—	—	—	—	—	—

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TABLE 25.—ENGLAND AND WALES.—Annual Death-rates from the Principal Epidemic Diseases and Infant Mortality, 1853-1902.

PERIOD.	ANNUAL MORTALITY PER MILLION PERSONS LIVING FROM THE PRINCIPAL EPIDEMIC DISEASES.									ANNUAL MORTALITY of Infants under one year of age to 1,000 Births.
	Small-pox.	Measles	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	<i>Pyrexia</i> * (Origin uncertain.)	Diarrhoea, Dysentery, and Cholera.	
Cols. :—1	2	3	4	5	6	7	8	9	10	11
1838-42 (5 years.)	576	539	797		504	1053			298	152
1847-50 (4 years.)	292	403	884		480	1246			1710	154
1851-60	222	412	982		505	913			1088	154 (8 years.)
1861-70	162	443	971	187	530	886			1076	154
1871-80	245	379	719	121	513	58	326	105	942	149
1881-90	46	441	338	163	451	15	198	25	677	142
1891-1900	13	414	158	263	378	3	174	6	734	154
1853	171	266	853		609	1008			1114	160 †
1854	151	498	995		525	1015			2261	157 †
1855	131	391	894	20	541	875			798	154 †
1856	116	373	705	32	483	847			833	144
1857	202	310	652	82	526	988			1249	156 †
1858	329	476	1212	339	598	918			822	158 †
1859	193	485	976	517	456	806			1046	153 †
1860	136	479	485	261	429	652			560	148
1861	64	450	451	225	612	767			1044	153 †
1862	78	481	728	241	602	919			622	142
1863	286	550	1478	315	547	874			814	149
1864	364	397	1418	261	409	960			877	153 †
1865	301	405	837	196	409	1089			1225	160 †
1866	139	511	546	140	736	986			1525	160 †
1867	114	304	567	120	548	778			1003	153 †
1868	91	528	996	137	419	895			1473	155 †
1869	67	464	1244	117	493	193	390	239	967	156 †
1870	113	335	1446	120	529	147	388	233	1208	160 †
1871	1012	408	815	111	455	121	371	186	1132	158 †
1872	821	368	515	93	596	80	377	145	1030	150 †
1873	98	316	562	108	411	70	376	132	994	149
1874	88	517	1050	150	437	74	374	130	948	151 †
1875	35	257	851	142	594	62	371	108	1051	158 †
1876	99	408	691	129	432	48	309	81	942	146
1877	173	366	585	111	460	45	279	78	632	136
1878	74	310	753	140	710	36	306	71	1028	152 †
1879	21	362	694	120	503	21	231	58	460	135
1880	25	478	675	109	530	21	261	58	1202	153 †
1881	119	280	548	121	415	21	212	44	570	130
1882	50	483	521	152	579	36	229	39	666	141
1883	36	350	475	158	393	33	228	36	613	137
1884	82	419	402	186	425	12	236	28	1008	147
1885	103	533	233	164	481	12	175	24	503	138
1886	11	436	218	149	470	9	184	22	918	149
1887	19	602	282	160	404	8	185	18	744	145
1888	37	347	226	171	436	6	172	15	463	136
1889	1	518	235	189	430	5	176	15	660	144
1890	0	439	242	179	478	5	179	13	620	151 †
1891	2	436	170	173	468	5	168	11	480	149
1892	15	459	190	222	454	3	137	8	520	148
1893	49	373	235	318	342	5	229	9	999	159 †
1894	27	391	167	291	410	4	159	7	358	137
1895	7	377	149	259	315	2	175	5	900	161 †
1896	17	570	177	291	429	2	166	5	563	148
1897	0	408	147	246	367	2	156	4	868	156 †
1898	8	419	113	243	323	1	181	4	955	160 †
1899	5	314	117	292	318	1	198	4	971	163 †
1900	3	394	119	290	356	1	173	4	728	154 †
1901	10	276	133	273	313	1	155	3	924	151 †
1902	75	392	148	236	297	2	126	3	426	133

\* Formerly called Simple Continued Fever.

TABLE 26.—LONDON.\*—Annual Death-rates from the Principal Epidemic Diseases and Infant Mortality, 1853-1902.

PERIOD.	ANNUAL MORTALITY PER MILLION PERSONS LIVING FROM THE PRINCIPAL EPIDEMIC DISEASES.									ANNUAL MORTALITY of Infants under one year of age to 1,000 Births.	
	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	<i>Pyrexia</i> † (Origin uncertain.)	Diarrhoea, Dysentery, and Cholera.		
Cols. :—1	2	3	4	5	6	7	8	9	10	11	
1838-40 (3 years.)	1065	695	1108		804	1339			294	—	
1841-50	402	623	863		867	979			1469	157	
1851-60	280	530	1017		877	886			1544	155	
1861-70	276	576	1133		179	882	904			1284	162
1871-80	457	510	600	122	815	55	244	75	987	158	
1881-90	145	636	335	259	693	8	189	18	772	152	
1891-1900	10	583	188	500	500	1	143	3	781	160	
1853	86	398	820		1084	1064			1436	158	
1854	277	563	1389		999	1125			5617	164	
1855	408	345	1025		957	966			918	152	
1856	204	569	700		805	1045			987	150	
1857	59	509	607		959	833			1332	156	
1858	90	884	1561		1010	716			877	160	
1859	425	488	1277	284	639	675			1360	150	
1860	323	752	726	174	744	531			553	153	
1861	77	377	846	239	1260	656			1033	155	
1862	128	816	1221	255	758	1284			680	143	
1863	687	562	1706	275	749	988			913	151	
1864	185	942	1097	207	819	1278			1071	169	
1865	214	431	727	144	980	1074			1307	171	
1866	457	730	622	152	973	884			2923	172	
1867	436	370	470	145	738	708			1070	159	
1868	190	625	929	158	745	786			1412	166	
1869	87	458	1839	107	1187	225	337	194	1169	170	
1870	302	450	1875	104	607	147	303	177	1258	164	
1871	2422	437	582	105	701	118	267	133	1282	171	
1872	537	505	276	80	979	52	242	97	1132	158	
1873	34	637	191	95	777	82	269	96	1219	160	
1874	17	490	773	122	545	91	256	98	970	156	
1875	13	404	1056	167	920	37	235	78	975	162	
1876	207	485	651	109	771	45	217	57	1048	157	
1877	710	664	439	88	505	44	251	54	697	146	
1878	388	411	495	155	1227	41	283	54	1001	164	
1879	121	667	717	155	791	19	229	43	524	148	
1880	125	402	820	144	930	20	186	35	1024	158	
1881	619	663	553	172	516	24	254	35	824	148	
1882	111	605	519	222	1212	14	252	25	575	151	
1883	35	626	514	244	410	14	247	26	701	146	
1884	313	575	362	241	799	8	234	20	1029	156	
1885	357	731	181	227	624	7	150	20	703	148	
1886	6	519	172	212	714	3	154	18	1028	159	
1887	2	716	356	235	723	5	151	11	963	158	
1888	2	590	295	319	728	2	169	9	550	146	
1889	—	558	190	391	432	4	130	10	665	141	
1890	1	773	206	331	768	2	146	9	678	163	
1891	2	428	142	340	680	3	132	10	594	155	
1892	10	798	273	460	586	3	102	5	617	155	
1893	48	383	369	759	539	1	160	5	826	164	
1894	20	757	222	622	482	1	147	3	408	143	
1895	13	614	189	534	346	1	143	2	841	166	
1896	2	826	207	600	655	1	130	4	745	162	
1897	4	429	176	511	413	0	132	2	958	159	
1898	0	687	130	395	483	1	131	2	1009	167	
1899	1	475	89	434	383	0	180	0	974	167	
1900	1	432	81	348	434	0	170	1	841	160	
1901	53	433	128	296	355	1	118	2	862	149	
1902	284	507	121	254	401	0	126	1	582	141	

TABLE 27.—ENGLAND AND WALES.—Death-rates from several Causes in Registration Counties, 1902.—MALES.

REGISTRATION COUNTY.	Esti- mated Popula- tion in the middle of 1902.* (Males.)	DEATH-RATE PER MILLION LIVING FROM																									
		ALL CAUSES.	Small-pox.	Measles.	Scarlet Fever.	Typhus.	Influenza.	Whooping-cough.	Diphtheria.	Pyrexia† of uncer- tain origin.	Enteric Fever.	Diarrhea and Dysentery.	Pulmonary Tubercu- losis, Tubercu- lous Phthisis.	Phthisis, not other- wise defined.	Tuberculous Meningitis.	Tuberculous Peritonitis.	Tubes Mesenterica.	All other Tubercu- lous Diseases.	Cancer.	Septic Diseases (not Puerperal).	Rheumatism of Heart.	Pneumonia.	Bronchitis.	Childbirth and Puerperal Septic Diseases.	Violence.	All other Causes.	
ENGLAND & WALES	15,952,154	17378	90	416	155	2	223	280	235	3	150	471	393	1063	193	93	82	180	696	107	85	1663	1338	—	—	849	8606
I.—LONDON.	2,161,987	18682	24	557	121	0	231	383	254	1	150	665	817	1272	255	89	84	231	894	154	88	2016	1500	—	—	976	7920
II.—SOUTH EASTERN.	346,715	14727	52	257	58	3	332	225	187	—	87	323	421	917	202	104	20	161	727	130	98	1206	995	—	—	732	7470
Surrey ..	468,804	17124	1824	198	53	311	228	273	187	—	162	333	326	1035	139	87	55	158	751	139	94	1118	907	—	—	872	8061
Kent ..	278,086	15416	4	158	47	363	194	198	198	—	90	352	410	1169	201	14	47	147	104	104	831	1028	831	—	—	734	8314
Sussex ..	375,396	16012	16	280	48	288	277	213	209	—	216	402	592	1092	141	43	83	194	746	85	67	1007	1116	—	—	791	8305
Hampshire ..	138,941	16251	43	338	50	432	137	209	209	7	50	310	317	885	216	72	22	137	813	94	86	1108	950	—	—	641	8334
III.—SOUTH MIDLAND.	395,747	15151	407	331	157	—	278	255	303	—	164	637	344	996	197	114	66	164	581	96	81	1506	1023	—	—	720	6731
Middlesex ..	116,459	14434	51	180	69	—	275	112	197	—	43	189	524	618	137	69	9	112	816	77	94	1065	1091	—	—	704	8002
Hertfordshire ..	85,268	14965	23	317	12	—	504	164	152	—	47	223	387	622	164	23	35	152	797	117	82	926	1173	—	—	680	8365
Buckinghamshire ..	88,196	16282	79	317	181	—	351	249	159	—	34	204	340	782	113	113	11	163	816	125	68	1213	1429	—	—	590	8904
Oxfordshire ..	174,703	14545	34	303	46	—	188	263	103	—	74	252	298	985	137	23	74	155	830	109	63	1013	1093	—	—	647	7854
Northamptonshire ..	92,642	15502	44	486	44	—	188	132	88	—	—	309	177	883	265	23	44	88	1413	44	—	751	1192	—	—	618	8836
Huntingdonshire ..	82,678	14374	12	133	12	—	206	121	327	—	61	424	472	739	170	97	24	97	969	73	73	811	983	—	—	557	8003
Bedfordshire ..	98,063	15174	20	418	61	—	265	214	102	20	51	265	266	826	133	20	102	173	785	71	71	1254	989	—	—	704	8344
Cambridgeshire ..	543,684	15240	320	241	85	—	281	281	302	—	258	498	298	846	189	63	52	166	611	109	83	1449	1243	—	—	679	7186
IV.—EASTERN.	176,529	15344	34	108	40	—	255	238	147	—	153	187	278	1116	125	68	28	102	838	96	51	895	878	—	—	748	9159
Essex ..	224,502	16142	—	200	94	—	249	312	134	—	76	330	227	846	129	98	40	174	869	102	85	967	1252	—	—	744	9214
Norfolk ..	131,623	15294	—	342	106	—	274	220	152	—	68	266	175	676	114	76	76	122	836	99	68	1048	1155	—	—	600	8821
V.—SOUTH WESTERN.	99,490	14574	—	181	70	—	332	161	50	—	105	90	181	864	131	80	101	40	663	70	40	1106	1136	—	—	573	8595
Wiltshire ..	315,674	16736	3	206	95	—	266	158	117	—	20	497	378	1159	155	54	22	193	760	86	73	1464	1185	—	—	527	8959
Dorsetshire ..	148,342	17399	—	310	20	—	391	539	169	—	20	196	259	817	115	65	42	121	748	88	47	1382	1153	—	—	600	9714
Devonshire ..	216,599	16256	—	476	51	—	291	189	245	9	37	240	259	817	115	65	42	120	720	92	106	1196	1090	—	—	794	9302
Cornwall ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Somersetshire ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\* The populations have been estimated to the middle of 1902 from the numbers enumerated at the Censuses of 1891 and 1901.  
† Formerly called Simple Continued Fever.

TABLE 28.—ENGLAND AND WALES.—Death-rates from several Causes in Registration Counties, 1902.—FEMALES.

REGISTRATION COUNTY.	Esti- mated Popula- tion in the middle of 1902.* (Females.)	DEATH-RATE PER MILLION LIVING FROM																								
		ALL CAUSES.	Small-pox.	Measles.	Scarlet Fever.	Typhus.	Influenza.	Whooping-cough.	Diphtheria.	Pyrexia† of uncer- tain origin.	Enteric Fever.	Diarrhea and Dysentery.	Pulmonary Tubercu- losis, Tubercu- lous Phthisis.	Phthisis, not other- wise defined.	Tuberculous Meningitis.	Tuberculous Peritonitis.	Tubes Mesenterica.	All other Tubercu- lous Diseases.	Cancer.	Septic Diseases (not Puerperal).	Rheumatism of Heart.	Pneumonia.	Bronchitis.	Childbirth and Puerperal Septic Diseases.	Violence.	All other Causes.
ENGLAND & WALES	17,045,472	15155	60	369	141	1	218	313	238	3	103	383	247	777	168	87	61	151	985	86	83	1168	1308	247	342	7616
I.—LONDON.	2,417,123	15489	20	460	102	—	271	417	231	1	94	491	371	736	229	68	54	177	1100	126	75	1420	1609	181	460	6796
II.—SOUTH EASTERN.	380,323	12180	20	187	28	—	354	251	187	—	33	315	177	589	149	49	18	131	991	79	64	894	912	146	269	6337
Surrey ..	483,260	14894	1308	201	48	—	300	277	215	—	126	230	277	753	163	79	33	149	1010	95	85	819	1016	184	257	7388
Kent ..	335,070	12663	9	170	33	—	304	182	215	—	126	230	277	753	163	79	33	149	1010	95	85	819	1016	184	257	7388
Sussex ..	406,671	13510	2	229	34	—	266	362	189	—	138	310	305	772	120	66	66	116	1038	57	54	711	1089	135	248	5733
Hampshire ..	146,884	13214	20	232	61	—	286	68	218	—	61	279	157	531	157	61	20	177	1205	95	68	606	1103	137	272	7320
Berkshire ..	446,787	13270	302	340	125	—	304	242	320	—	110	443	242	654	195	51	69	150	880	90	78	967	1133	166	298	6111
III.—SOUTH MIDLAND.	126,463	12805	8	142	87	—	395	150	127	—	40	190	340	451	142	103	24	78	941	55	55	973	1194	142	182	7061
Hertfordshire ..	89,180	13063	22	191	34	—	449	168	280	—	90	135	269	572	90	45	—	102	931	90	61	662	1233	234	142	2989
Buckinghamshire ..	98,263	14156	31	377	163	—	427	458	122	—	10	122	163	529	142	51	56	106	1046	50	100	788	1019	204	153	7703
Oxfordshire ..	179,666	12679	—	189	33	—	161	356	139	—	83	223	184	779	95	61	—	106	1046	42	84	591	1097	306	306	6719
Northamptonshire ..	23,707	13793	—	253	42	—	253	211	42	—	42	265	169	1012	42	—	43	42	1139	42	43	682	1226	127	169	8141
Huntingdonshire ..	93,796	12698	21	96	21	—	288	128	192	10	11	213	192	661	96	48	48	53	1077	39	43	682	1226	149	203	7175
Bedfordshire ..	103,353	13875	—	387	58	—	213	213	68	—	39	174	281	503	77	48	19	116	1171	43	126	687	1132	126	290	8068
Cambridgeshire ..	557,614	13884	215	213	86	—	298	319	316	7	140	457	165	678	188	59	48	142	902	68	74	965	1230	188	267	6429
IV.—EASTERN.	186,709	14713	16	102	59	—	311	327	134	4	155	155	236	948	134	48	21	155	1162	70	43	621	1077	181	289	8489
Norfolk ..	244,591	14498	—	225	102	—	188	274	127	—	49	303	155	756	114	110	16	180	1300	86	78	658	1280	180	319	7394
V.—SOUTH WESTERN.	133,783	14075	—	277	75	—	292	262	179	7	52	164	194	576	164	67	37	120	1069	67	60	792	1084	210	225	8102
Wiltshire ..	101,754	13680	—	197	20	—	452	147	138	—	39	206	206	767	138	88	20	118	894	26	20	786	1130	206	157	7972
Dorsetshire ..	353,253	15077	3	246	88																					

TABLE 27 (continued).—ENGLAND AND WALES.—Death-rates from several Causes in Registration Counties, 1902.—MALES.

REGISTRATION COUNTY.	Estimated Population in the middle of 1902.* (Males.)	DEATH-RATE PER MILLION LIVING FROM																								
		ALL CAUSES.	Small-pox.	Measles.	Scarlet Fever.	Typhus.	Influenza.	Whooping-cough.	Diphtheria.	Pyrexia† of uncertain origin.	Enteric Fever.	Diarrhoea and Dysentery.	Pulmonary Tuberculosis, Tuberculous Phthisis.	Phthisis, not otherwise defined.	Tuberculous Meningitis.	Tuberculous Peritonitis.	Tubes Mesenterica.	All other Tuberculous Diseases.	Cancer.	Septic Diseases (not Puerperal).	Rheumatic Fever, Rheumatism of Heart.	Pneumonia.	Bronchitis.	Childbirth and Puerperal Septic Diseases.	Violence.	All other Causes.
VI.—WEST MIDLAND.																										
Gloucestershire .. ..	304,515	17530	10	705	112	—	167	220	325	3	148	361	404	841	177	59	43	177	745	99	89	1603	1386	—	772	9024
Herefordshire .. ..	54,348	16578	—	129	18	—	607	92	55	—	—	258	405	699	239	74	23	147	883	110	129	1122	1104	—	736	9697
Shropshire .. ..	128,640	15998	—	109	47	—	513	156	70	—	39	280	257	746	194	54	23	109	902	109	47	1430	1119	—	910	8884
Staffordshire .. ..	632,242	17776	3	449	255	—	182	198	264	5	157	562	236	909	169	115	136	214	528	79	71	1605	1673	—	830	9136
Worcestershire .. ..	242,156	15213	—	248	235	—	165	248	124	—	149	351	261	892	157	50	103	157	574	95	54	1359	1193	—	578	8217
Warwickshire .. ..	446,031	18017	9	278	404	—	197	419	233	—	166	679	428	1289	121	92	83	177	558	128	76	1679	1372	—	872	8757
VII.—NORTH MIDLAND.																										
Leicestershire .. ..	216,112	15589	14	338	79	—	130	278	185	—	97	467	324	1009	167	116	28	171	597	106	83	1157	1268	—	745	8230
Rutlandshire .. ..	10,258	13063	—	292	97	—	292	—	195	—	—	97	195	585	195	97	97	—	1072	—	195	390	390	—	487	8387
Lincolnshire .. ..	243,990	15820	4	148	123	—	275	246	98	4	123	328	238	779	164	70	61	119	700	102	49	1172	1070	—	725	9222
Nottinghamshire .. ..	297,197	16999	3	175	54	—	195	188	145	—	151	626	242	848	178	91	111	178	723	94	81	1639	1396	—	868	9013
Derbyshire .. ..	247,543	15508	12	315	69	—	149	238	121	—	117	436	315	739	117	89	93	182	634	69	85	1426	1188	—	836	8278
VIII.—NORTH WESTERN.																										
Cheshire .. ..	386,636	16744	26	321	134	—	147	248	184	5	147	411	241	1089	150	103	93	189	636	65	72	1790	1218	—	874	8601
Lancashire .. ..	2,161,628	19754	24	531	319	12	169	315	290	6	221	653	391	1321	204	119	99	196	605	105	104	2308	1750	—	893	9119
IX.—YORK.																										
West Riding .. ..	1,364,897	17540	10	577	111	1	169	251	193	—	161	437	322	1006	222	100	92	169	625	83	91	1774	1486	—	773	8887
East Riding (with York)	225,956	17003	—	522	93	—	266	372	226	13	142	339	292	1013	181	58	62	155	646	119	66	1261	1275	—	956	8896
North Riding .. ..	187,091	17612	11	230	203	—	224	305	342	5	150	363	182	839	241	75	128	176	706	86	102	2207	898	—	893	9246
X.—NORTHERN.																										
Durham .. ..	616,870	18080	10	464	206	—	157	400	219	3	160	389	201	1117	261	170	156	198	506	102	78	1812	1446	—	997	9028
Northumberland .. ..	308,975	18228	6	405	262	3	191	366	159	—	142	265	304	1359	259	123	139	139	689	104	65	1732	952	—	1055	9509
Cumberland .. ..	130,545	17182	15	84	184	—	237	107	322	—	92	214	199	1042	260	92	130	115	743	199	161	1601	1203	—	996	9186
Westmorland .. ..	30,347	14664	—	132	165	—	461	66	231	—	66	165	362	791	99	99	66	198	923	33	99	1186	428	—	560	8534
XI.—WELSH.																										
Monmouthshire .. ..	165,412	17858	36	1106	193	—	236	103	320	12	212	375	199	677	109	79	66	151	411	103	133	2092	1475	—	1070	8700
South Wales .. ..	631,703	18148	40	606	209	8	177	279	464	3	166	400	245	1037	201	97	89	182	579	98	106	1844	1300	—	1149	8869
North Wales .. ..	229,034	18181	—	345	48	—	367	196	179	4	70	288	349	1188	188	87	39	218	838	122	79	1594	1052	—	904	10026

\* The populations have been estimated to the middle of 1902 from the numbers enumerated at the Censuses of 1891 and 1901.  
† Formerly called Simple Continued Fever.

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TABLE 28 (continued).—ENGLAND AND WALES.—Death-rates from several Causes in Registration Counties, 1902.—FEMALES.

REGISTRATION COUNTY.	Estimated Population in the middle of 1902.* (Females.)	DEATH-RATE PER MILLION LIVING FROM																									
		ALL CAUSES.	Small-pox.	Measles.	Scarlet Fever.	Typhus.	Influenza.	Whooping-cough.	Diphtheria.	Pyrexia† of uncertain origin.	Enteric Fever.	Diarrhoea and Dysentery.	Pulmonary Tuberculosis, Tuberculous Phthisis.	Phthisis, not otherwise defined.	Tuberculous Meningitis.	Tuberculous Peritonitis.	Tubes Mesenterica.	All other Tuberculous Diseases.	Cancer.	Septic Diseases (not Puerperal).	Rheumatic Fever, Rheumatism of Heart.	Pneumonia.	Bronchitis.	Childbirth and Puerperal Septic Diseases.	Violence.	All other Causes.	
VI.—WEST MIDLAND.																											
Gloucestershire .. ..	350,599	15148	—	705	140	—	231	260	368	3	68	271	242	685	135	86	43	114	1081	74	57	1064	1343	—	205	305	7658
Herefordshire .. ..	58,069	14207	—	86	—	—	551	69	172	—	—	69	258	689	138	52	17	207	1068	121	36	740	1102	—	258	362	8162
Shropshire .. ..	131,059	14055	—	206	53	—	633	221	84	8	—	153	191	626	92	107	15	153	1213	76	31	1007	885	—	183	290	7820
Staffordshire .. ..	638,692	15615	2	368	261	—	113	269	238	—	125	498	166	681	158	105	110	135	806	85	75	1149	1480	—	257	379	8105
Worcestershire .. ..	268,882	13311	—	190	145	—	152	233	104	4	93	208	179	614	100	67	63	123	933	56	82	922	1090	—	212	342	7349
Warwickshire .. ..	474,374	15591	—	266	344	—	145	468	261	—	139	538	211	685	118	91	48	139	993	120	72	1166	1381	—	211	436	7759
VII.—NORTH MIDLAND.																											
Leicestershire .. ..	233,004	13425	13	253	73	—	150	219	206	4	64	335	215	704	159	99	17	120	906	43	86	880	1021	—	163	296	7399
Rutlandshire .. ..	10,350	12560	—	290	—	—	193	—	483	—	97	97	97	97	97	97	97	97	870	—	97	1063	1063	—	193	386	7243
Lincolnshire .. ..	252,650	14273	—	210	162	—	233	281	142	4	99	245	202	748	115	91	59	135	1061	95	75	776	938	—	253	233	8116
Nottinghamshire .. ..	311,470	14804	—	138	93	—	164	215	196	3	138	523	250	636	177	103	132	128	979	76	80	1210	1259	—	260	334	7710
Derbyshire .. ..	250,900	13994	—	331	72	—	191	247	136	—	64	295	179	606	167	76	64	151	849	64	72	921	1192	—	231	271	7755
VIII.—NORTH WESTERN.																											
Cheshire .. ..	421,438	14567	5	271	107	—	145	287	216	5	140	318	204	911	152	76	69	126	885	52	100	1158	1132	—	294	405	7509
Lancashire .. ..	2,339,512	17045	10	439	271	9	145	336	288	5	143	566	257	935	168	107	74	153	893	90	110	1584	1658	—	287	410	8107
IX.—YORK.																											
West Riding .. ..	1,443,026	15298	1	559	124	—	135	270	218	1	107	360	213	765	184	98	80	164	967	71	95	1263	1340	—	305	289	7689
East Riding (with York)	235,132	15255	—	553	47	—	247	421	285	17	149	255	200	846	179	85	38	106	1059	89	89	923	1204	—	391	333	7629
North Riding .. ..	191,456	15152	—	167	120	—	214	245	434	—	115	428	230	700	172	136	73	157	998	73	94	1421	982	—	245	324	7824
X.—NORTHERN.																											
Durham .. ..	600,071	16773	8	485	232	—	123	478	208	8	120	330	168	987	248	176	138	195	673	92	98	1377	1280	—	388	352	8609
Northumberland .. ..	306,824	16977	3	433	274	3	215	515	160	10	78	316	251	1098	212	147	117	176	922	108	68	1317	1170	—	300	355	8729
Cumberland .. ..	136,672	15387	—	102	168	—	190	168	271	—	44	161	198	724	234	154	95	161	1207	95	95	1266	878	—	417	285	8474
Westmorland .. ..	33,893	11094	—	30	88	—	88	30	88	—	59	177	118	443	30	236	—	148	1062	30	177	620	472	—	118	148	6932
XI.—WELSH.																											
Monmouthshire .. ..	156,894	16527	6	956	178	—	185	159	376	19	108	325	223	663	83	70	38	153	650	76							

TABLE 29.—ENGLAND AND WALES.—Death-rates to a Million Persons living from the Principal Accidents of Childbirth to 1000 Births, in

REGISTRATION COUNTY.	TO A MILLION PERSONS LIVING.									
	Small-pox.		Measles.		Scarlet Fever.		Diphtheria.		Whooping-cough.	
	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.
ENGLAND & WALES.	14	75	398	392	155	148	273	236	363	297
I.—LONDON.										
London* .. .. .	2	22	583	506	167	111	496	242	467	401
II.—SOUTH EASTERN.										
Surrey .. .. .	4	35	231	220	79	42	260	187	277	239
Kent .. .. .	78	1562	251	200	77	50	368	275	253	267
Sussex .. .. .	4	7	203	165	40	39	305	207	222	188
Hampshire .. .. .	5	9	260	253	72	41	218	201	266	321
Berkshire .. .. .	3	31	211	283	68	56	172	213	247	112
III.—SOUTH MIDLAND.										
Middlesex .. .. .	6	351	342	336	219	140	325	312	357	248
Hertfordshire .. .. .	7	29	217	161	67	78	177	161	268	132
Buckinghamshire .. .. .	3	23	278	252	57	23	247	218	260	166
Oxfordshire .. .. .	2	54	244	349	57	172	201	139	233	359
Northamptonshire .. .. .	3	17	322	246	134	40	142	121	315	310
Huntingdonshire .. .. .	8	22	121	247	49	43	172	65	249	173
Bedfordshire .. .. .	4	17	222	113	80	17	241	255	276	125
Cambridgeshire .. .. .	1	10	153	402	47	60	189	84	258	213
IV.—EASTERN.										
Essex .. .. .	20	267	384	227	110	85	470	309	380	301
Suffolk .. .. .	1	25	189	105	61	50	251	140	334	284
Norfolk .. .. .	3	—	201	213	82	98	245	130	312	292
V.—SOUTH WESTERN.										
Wiltshire .. .. .	2	—	171	309	68	90	158	166	218	241
Dorsetshire .. .. .	3	—	177	189	76	45	158	94	199	154
Devonshire .. .. .	3	3	314	227	87	91	157	108	291	172
Cornwall .. .. .	3	—	172	310	126	19	147	166	303	533
Somersetshire .. .. .	4	2	230	404	96	75	154	246	280	165
VI.—WEST MIDLAND.										
Gloucestershire .. .. .	91	5	289	733	93	127	198	348	310	241
Herefordshire .. .. .	6	—	127	107	103	9	171	116	223	80
Shropshire .. .. .	2	—	172	158	95	50	198	77	256	189
Staffordshire .. .. .	18	2	499	408	209	258	274	276	428	234
Worcestershire .. .. .	8	—	288	217	99	188	201	113	284	266
Warwickshire .. .. .	35	4	407	272	150	373	228	248	409	444
VII.—NORTH MIDLAND.										
Leicestershire .. .. .	10	13	346	294	180	76	391	196	299	247
Rutlandshire .. .. .	—	—	89	291	52	49	159	340	164	—
Lincolnshire .. .. .	5	2	173	179	90	143	183	121	277	264
Nottinghamshire .. .. .	5	2	410	156	175	74	113	171	360	202
Derbyshire .. .. .	26	6	410	323	164	70	131	128	321	243
VIII.—NORTH WESTERN.										
Cheshire .. .. .	9	15	351	295	170	120	223	200	356	269
Lancashire .. .. .	13	17	560	483	249	294	206	289	436	326
IX.—YORKSHIRE.										
West Riding .. .. .	26	5	412	568	188	118	240	206	346	261
East Riding (with York) .. .. .	43	—	355	538	136	69	133	256	335	397
North Riding .. .. .	67	5	259	198	119	161	147	388	322	275
X.—NORTHERN.										
Durham .. .. .	8	9	505	474	197	219	143	214	393	439
Northumberland .. .. .	3	5	415	419	158	268	152	159	304	440
Cumberland .. .. .	4	7	472	94	180	176	113	296	338	138
Westmorland .. .. .	—	—	188	78	80	125	139	156	152	47
XI.—WELSH.										
Monmouthshire .. .. .	5	22	442	1033	200	186	345	347	455	130
South Wales .. .. .	4	38	372	583	166	202	430	438	393	296
North Wales .. .. .	3	—	181	310	136	60	225	184	284	192

\* See Note \* to Table 26.

Epidemic Diseases, and from Phthisis, and deaths from Puerperal Septic Diseases and Registration Counties, 1892-1901, and 1902.

REGISTRATION COUNTY.	TO A MILLION PERSONS LIVING.										TO 1000 BIRTHS.		
	Fever.						Diarrhoea.	Phthisis.	Puerperal Septic Diseases and Accidents of Childbirth.		REGISTRATION COUNTY.		
	Typhus.		Enteric.		Pyrexia†(Origin uncertain.)				Ten Years 1892 to 1901.	1902.		Ten Years 1892 to 1901.	1902.
Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.	Ten Years 1892 to 1901.	1902.
ENGLAND & WALES.	2	2	173	126	5	3	779	426	1359	1233	5'04	4'47	ENGLAND & WALES.
I.—LONDON.													
London* .. .. .	1	0	140	121	3	1	806	573	1757	1570	3'81	3'36	London* .. .. .
II.—SOUTH EASTERN.													
Surrey .. .. .	0	1	83	58	3	—	504	319	1162	1035	4'16	3'26	Surrey .. .. .
Kent .. .. .	1	—	148	144	2	1	598	280	1235	1193	4'14	3'88	Kent .. .. .
Sussex .. .. .	0	—	138	80	1	—	484	297	1317	1244	4'42	4'50	Sussex .. .. .
Hampshire .. .. .	—	—	168	175	7	—	619	354	1485	1368	4'17	2'84	Hampshire .. .. .
Berkshire .. .. .	2	—	65	56	2	3	393	294	1096	938	4'91	4'24	Berkshire .. .. .
III.—SOUTH MIDLAND.													
Middlesex .. .. .	1	—	112	135	3	—	807	534	1049	1104	3'99	3'04	Middlesex .. .. .
Hertfordshire .. .. .	—	—	100	41	1	—	474	189	1193	959	4'32	3'15	Hertfordshire .. .. .
Buckinghamshire .. .. .	1	—	83	69	2	—	382	178	982	923	4'24	2'91	Buckinghamshire .. .. .
Oxfordshire .. .. .	1	—	60	21	1	5	308	161	1051	896	4'59	5'21	Oxfordshire .. .. .
Northamptonshire .. .. .	—	—	128	79	0	—	542	237	1153	1120	4'42	4'05	Northamptonshire .. .. .
Huntingdonshire .. .. .	—	—	83	22	—	—	423	302	1091	1122	4'12	2'68	Huntingdonshire .. .. .
Bedfordshire .. .. .	1	—	87	34	2	—	562	312	1104	1021	4'37	3'41	Bedfordshire .. .. .
Cambridgeshire .. .. .	2	—	97	45	3	15	436	218	1269	943	4'16	2'66	Cambridgeshire .. .. .
IV.—EASTERN.													
Essex .. .. .	1	—	186	198	3	4	838	478	1106	992	3'79	3'19	Essex .. .. .
Suffolk .. .. .	—	—	97	154	5	—	454	171	1248	1286	4'20	3'20	Suffolk .. .. .
Norfolk .. .. .	1	—	183	62	4	2	580	315	1105	989	4'41	3'68	Norfolk .. .. .
V.—SOUTH WESTERN.													
Wiltshire .. .. .	—	—	63	60	2	4	283	215	1041	810	4'85	4'35	Wiltshire .. .. .
Dorsetshire .. .. .	—	—	73	45	4	5	302	149	1079	1009	4'54	4'55	Dorsetshire .. .. .
Devonshire .. .. .	1	—	135	78	6	—	438	446	1355	1265	4'91	4'68	Devonshire .. .. .
Cornwall .. .. .	—	—	115	31	4	3	459	166	1288	1239	4'91	6'36	Cornwall .. .. .
Somersetshire .. .. .	1	—	75	36	2	4	329	190	1066	917	4'66	2'78	Somersetshire .. .. .
VI.—WEST MIDLAND.													
Gloucestershire .. .. .	0	—	87	105	1	3	478	313	1229	1075	5'02	4'30	Gloucestershire .. .. .
Herefordshire .. .. .	—	—	33	—	—	—	229	160	1027	1023	5'74	5'70	Herefordshire .. .. .
Shropshire .. .. .	0	—	78	23	1	4	299	216	1053	909	4'69	3'48	Shropshire .. .. .
Staffordshire .. .. .	1	—	212	141	5	2	1003	530	1078	995	5'20	3'83	Staffordshire .. .. .
Worcestershire .. .. .	0	—	111	119	5	2	573	276	1002	965	4'57	4'01	Worcestershire .. .. .
Warwickshire .. .. .	0	—	180	152	6	—	1120	606	1386	1294	4'71	3'63	Warwickshire .. .. .
VII.—NORTH MIDLAND.													
Leicestershire .. .. .	0	—	156	80	1	2	1026	399	1091	1118	4'29	2'95	Leicestershire .. .. .
Rutlandshire .. .. .	—	—	51	49	—	—	207	97	767	485	4'03	4'42	Rutlandshire .. .. .
Lincolnshire .. .. .	1	—	169	111	4	4	661	286	1088	983	4'90	4'82	Lincolnshire .. .. .
Nottinghamshire .. .. .	0	—	257	145	4	2	932	573	1108	986	5'12	4'22	Nottinghamshire .. .. .
Derbyshire .. .. .	0	—	156	90	3	—	685	365	1082	919	5'54	4'84	Derbyshire .. .. .
VIII.—NORTH WESTERN.													
Cheshire .. .. .	2	—	190	144	8	5	771	363	1257	1218	6'23	5'58	Cheshire .. .. .
Lancashire .. .. .	9	10	250	180	10	6	1175	608	1549	1442	6'14	5'00	Lancashire .. .. .
IX.—YORKSHIRE.													
West Riding .. .. .	1	1	215	133	5	1	912	398	1362	1148	5'70	5'50	West Riding .. .. .
East Riding (with York) .. .. .	—	—	233	145	7	15	1246	321	1271	1173	4'50	6'83	East Riding (with York) .. .. .
North Riding .. .. .	3	—	205	132	9	3	632	396	1154	975	4'56	4'21	North Riding .. .. .
X.—NORTHERN.													
Durham .. .. .	6	—	302	141	15	6	958	360	1393	1238	5'26	5'34	Durham .. .. .
Northumberland .. .. .	2	3	194	110	11	5	771	291	1693	1507	5'39	4'57	Northumberland .. .. .
Cumberland .. .. .	4	—	80	67	3	—	346	187	1242	1078	5'72	7'63	Cumberland .. .. .
Westmorland .. .. .	—	—	92	62	—	—	248	171	907	841	5'93	2'84	Westmorland .. .. .
XI.—WELSH.													
Monmouthshire .. .. .	1	—	172	161	8	16	516	351	981	881	6'64	6'20	Monmouthshire .. .. .
South Wales .. .. .	2	6	191	146	5	2	620	409	1465	1284	6'94	6'99	South Wales .. .. .
North Wales .. .. .	0												

TABLE 30.—ENGLAND AND WALES.—Infantile Mortality from several Causes in Registration Counties, 1902.

REGISTRATION COUNTY.	Deaths under One Year per 1,000 Births.									
	All Causes.	Measles.	Whooping Cough.	Diarrhoeal Diseases.	Tuberculous Diseases.	Meningitis and Con-vulsions.	Pneumonia.	Bronchitis.	Wasting Dis-eases.	Other Causes.
ENGLAND AND WALES..	133	3	5	17	6	18	12	13	44	15
I.—LONDON.										
London* .. .. .	140	4	6	22	8	12	15	12	42	19
II.—SOUTH EASTERN.										
Surrey .. .. .	112	2	5	15	6	11	11	10	38	14
Kent .. .. .	116	1	5	14	4	14	12	10	39	17
Sussex .. .. .	102	2	4	13	4	9	10	8	38	14
Hampshire .. .. .	114	3	7	15	5	13	7	11	38	15
Berkshire .. .. .	101	1	3	12	5	12	7	9	40	12
III.—SOUTH MIDLAND.										
Middlesex .. .. .	124	3	5	22	7	12	11	10	39	15
Hertfordshire .. .. .	92	1	2	10	3	9	8	11	38	10
Buckinghamshire .. .. .	104	3	4	8	2	11	7	12	43	14
Oxfordshire .. .. .	109	3	7	11	3	9	10	14	43	9
Northamptonshire .. .. .	112	2	7	11	3	12	9	11	44	13
Huntingdonshire .. .. .	94	3	4	7	4	7	5	11	42	11
Bedfordshire .. .. .	107	1	3	14	4	11	4	12	49	9
Cambridgeshire .. .. .	110	5	5	8	5	8	13	11	41	14
IV.—EASTERN.										
Essex .. .. .	119	2	5	18	6	13	10	12	39	14
Suffolk .. .. .	107	1	7	5	3	8	7	11	53	12
Norfolk .. .. .	128	2	7	13	6	13	9	13	50	15
V.—SOUTH WESTERN.										
Wiltshire .. .. .	98	2	6	10	4	9	7	10	40	10
Dorsetshire .. .. .	87	1	4	6	4	11	7	9	38	7
Devonshire .. .. .	124	3	4	20	5	16	11	12	38	15
Cornwall .. .. .	139	5	14	8	5	16	15	13	46	17
Somersetshire .. .. .	100	4	4	10	3	11	10	10	37	11
VI.—WEST MIDLAND.										
Gloucestershire .. .. .	121	6	4	15	4	15	12	12	39	14
Herefordshire .. .. .	108	2	2	10	7	15	9	9	39	15
Shropshire .. .. .	104	2	4	11	4	11	12	10	39	11
Staffordshire .. .. .	143	3	4	18	7	22	11	14	52	12
Worcestershire .. .. .	117	1	5	15	6	12	8	10	46	14
Warwickshire .. .. .	141	2	7	22	5	14	10	11	54	16
VII.—NORTH MIDLAND.										
Leicestershire .. .. .	136	4	5	19	5	20	10	15	49	9
Rutlandshire .. .. .	71	7	—	4	—	13	9	2	22	14
Lincolnshire .. .. .	123	1	4	11	5	18	8	11	50	15
Nottinghamshire .. .. .	147	1	4	22	8	19	15	14	50	14
Derbyshire .. .. .	127	3	4	13	6	20	12	12	43	14
VIII.—NORTH WESTERN.										
Cheshire .. .. .	127	3	5	18	6	17	12	12	41	13
Lancashire .. .. .	150	4	5	22	6	20	14	16	46	17
IX.—YORKSHIRE.										
West Riding .. .. .	144	5	5	15	7	22	15	16	45	14
East Riding (with York) .. .. .	129	4	8	12	4	24	10	12	41	14
North Riding .. .. .	135	2	4	14	6	22	12	10	49	16
X.—NORTHERN.										
Durham .. .. .	141	3	6	11	7	22	12	13	54	13
Northumberland .. .. .	131	3	8	12	5	21	12	11	47	12
Cumberland .. .. .	110	1	3	11	6	13	8	11	46	11
Westmorland .. .. .	82	3	1	8	4	13	6	4	35	8
XI.—WELSH.										
Monmouthshire .. .. .	135	6	1	17	3	23	15	15	41	14
South Wales .. .. .	146	5	5	17	5	35	14	12	41	12
North Wales .. .. .	123	3	3	12	4	33	11	12	35	10

\* See Note \* to Table 26.

TABLE 31.—ENGLAND AND WALES.—Mortality among Children aged 0-5 Years, from several Causes, in Registration Counties, 1902.

REGISTRATION COUNTY.	Deaths under 5 Years of Age per 1,000 Living.									
	All Causes.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Diarrhoeal Diseases.	Tuberculous Diseases.	Meningitis and Con-vulsions.	Pneumonia.	Bronchitis.
ENGLAND AND WALES..	49'07	3'20	0'78	2'53	1'40	5'12	3'06	5'49	5'86	4'41
I.—LONDON.										
London .. .. .	55'81	4'40	0'69	3'56	1'54	6'76	4'21	4'12	7'69	4'32
II.—SOUTH EASTERN.										
Surrey .. .. .	36'73	1'06	0'16	2'24	1'01	4'03	2'60	3'09	4'47	3'11
Kent .. .. .	40'94	1'64	0'24	2'44	1'44	3'83	2'31	4'29	3'97	3'31
Sussex .. .. .	33'59	1'53	0'18	1'86	1'13	3'44	2'18	2'87	3'92	2'69
Hampshire .. .. .	38'14	2'09	0'16	2'92	1'08	4'24	2'36	3'78	3'12	3'99
Berkshire .. .. .	32'69	2'12	0'33	1'03	0'96	3'38	2'26	3'42	2'79	2'89
III.—SOUTH MIDLAND.										
Middlesex .. .. .	44'21	2'61	0'61	2'05	1'69	6'07	3'20	3'52	5'18	3'48
Hertfordshire .. .. .	29'62	1'36	0'43	1'16	0'70	2'33	1'74	2'83	3'33	3'53
Buckinghamshire .. .. .	32'61	1'95	0'10	1'49	0'93	2'16	1'44	2'98	2'83	3'65
Oxfordshire .. .. .	38'70	3'01	0'76	3'42	0'61	2'75	1'48	2'96	4'89	4'28
Northamptonshire .. .. .	34'84	2'05	0'14	2'58	0'75	2'72	1'61	3'54	3'57	3'49
Huntingdonshire .. .. .	28'91	2'99	0'20	1'40	0'40	2'19	1'20	2'79	1'60	2'79
Bedfordshire .. .. .	33'69	0'97	0'11	1'18	1'34	3'65	2'04	3'06	3'01	4'03
Cambridgeshire .. .. .	34'93	3'13	0'32	1'89	0'60	2'12	2'30	2'44	4'33	3'41
IV.—EASTERN.										
Essex .. .. .	41'22	1'67	0'35	2'34	1'64	5'09	2'60	3'98	4'96	3'82
Suffolk .. .. .	33'02	0'71	0'20	2'47	0'68	1'52	1'86	2'86	2'84	3'25
Norfolk .. .. .	40'35	1'63	0'48	2'59	0'66	3'48	2'34	3'66	3'81	4'47
V.—SOUTH WESTERN.										
Wiltshire .. .. .	31'69	2'48	0'34	2'17	0'85	2'68	1'66	2'55	3'06	3'09
Dorsetshire .. .. .	29'00	1'53	0'29	1'44	0'38	1'53	1'72	3'16	3'06	3'21
Devonshire .. .. .	40'56	2'01	0'45	1'62	0'70	5'35	2'34	4'75	4'64	4'14
Cornwall .. .. .	47'15	2'94	0'06	5'20	1'16	2'14	2'35	4'89	6'21	4'37
Somersetshire .. .. .	33'26	3'39	0'39	1'51	1'18	2'67	1'71	2'98	3'78	2'98
VI.—WEST MIDLAND.										
Gloucestershire .. .. .	46'09	6'50	0'61	2'11	1'89	4'11	2'31	4'37	5'78	4'00
Herefordshire .. .. .	31'38	0'83	0'08	0'75	0'83	2'75	2'25	3'92	3'59	2'34
Shropshire .. .. .	32'88	1'07	0'21	1'69	0'34	2'89	1'75	3'16	4'88	2'85
Staffordshire .. .. .	54'25	3'02	1'24	1'78	1'59	5'90	3'34	7'10	5'63	5'09
Worcestershire .. .. .	40'41	1'70	1'00	2'25	0'70	4'44	2'56	3'83	4'01	3'43
Warwickshire .. .. .	52'70	2'14	2'05	3'58	1'43	6'58	2'42	4'92	4'92	4'20
VII.—NORTH MIDLAND.										
Leicestershire .. .. .	45'47	2'45	0'36	2'09	1'16	5'29	2'56	5'67	4'80	4'76
Rutlandshire .. .. .	28'74	2'87	0'48	—	1'44	0'96	3'35	3'35	3'35	2'39
Lincolnshire .. .. .	40'41	1'50	0'58	2'23	0'54	3'03	2'21	5'24	3'61	3'75
Nottinghamshire .. .. .	50'29	1'19	0'37	1'59	0'91	6'46	3'32	5'78	6'73	4'84
Derbyshire .. .. .	45'13	2'52	0'40	1'99	0'94	4'20	3'11	6'13	5'43	4'37
VIII.—NORTH WESTERN.										
Cheshire .. .. .	44'76	2'48	0'48	2'32	1'20	5'19	3'07	5'22	5'62	3'85
Lancashire .. .. .	60'04	3'97	1'55	2'77	1'86	7'30	3'50	6'69	7'34	5'71
IX.—YORKSHIRE.										
West Riding .. .. .	53'92	4'69	0'57	2'24	1'29	4'73	3'48	6'92	7'05	5'47
East Riding (with York) .. .. .	48'54	4'17	0'42	3'24	1'45	3'71	2'61	7'32	4'84	4'63
North Riding .. .. .	50'85	1'57	0'92	2'22	2'33	4'56	3'70	6'94	6'51	3'59
X.—NORTHERN.										
Durham .. .. .	56'53	3'36	1'04	3'15	1'15	3'85	4'16	7'41	6'35	5'30
Northumberland .. .. .	52'64	3'14	1'33	3'42	0'82	4'08	3'56	7'15	6'10	4'22
Cumberland .. .. .	39'56	0'74	1'00	1'16	1'68	3'22	3'55	4'09	4'35	4'00
Westmorland .. .. .	24'14	0'76	0'31	0'46	0'31	1'99	1'83	3'67	2'60	1'38
XI.—WELSH.										
Monmouthshire .. .. .	55'88	7'30	0'88	1'00	1'73	5'29	1'75	7'44	7'61	5'36
South Wales .. .. .	56'71	4'39	1'05	2'34	2'57	2'59	10'53	7'31	4'17	4'17
North Wales .. .. .	41'86	2'46	0'37	1'66	1'11	3'47	2'19	9'09	4'41	3'59

TABLE 32.—ENGLAND AND WALES.—Deaths from various Causes to a Million Deaths from All Causes, 1902.

CAUSE OF DEATH.	Proportional Number.	CAUSE OF DEATH.	Proportional Number.	CAUSE OF DEATH.	Proportional Number.
ALL CAUSES .. ..	1,000,000	Rickets.. .. .	2556	Peritonitis (not Puerperal)	2082
Small-pox .. .. .	4601	Purpura .. .. .	556	Cirrhosis of Liver .. ..	7592
Cow-pox and other effects of Vaccination.	41	Hæmophilia, Hæmorrhagic Diathesis.	164	Other Diseases of Liver and Gall Bladder.	4601
Chicken-pox .. .. .	230	Anæmia, Leucocythæmia	3140	Other Diseases of Digestive System.	810
Measles (Morbilli) .. ..	24144	Diabetes Mellitus .. ..	5171	Diseases of Spleen .. ..	106
German Measles .. .. .	58	Premature Birth .. ..	35508	Other Diseases of Lymphatic System.	667
Scarlet Fever.. .. .	9103	Congenital Defects .. ..	8138	Diseases of Thyroid Body	805
Typhus.. .. .	114	Injury at Birth .. ..	1216	Diseases of Supra Renal Capsules.	314
Plague .. .. .	4	Atelectasis .. .. .	2343		
Relapsing Fever .. .. .	9	Want of Breast Milk .. ..	1072		
Influenza .. .. .	13754	Teething .. .. .	5990		
Whooping-cough .. .. .	18309				
Mumps.. .. .	174	Meningitis, Inflammation of Brain.	12272	Acute Nephritis, Uræmia..	5585
Diphtheria .. .. .	14569	Softening of Brain .. ..	3865	Chronic Bright's Disease.	17218
Cerebro-spinal Fever .. ..	112	General Paralysis of Insane.	4214	Albuminuria.	
Pyæmia,† Origin uncertain	174	Insanity (not Puerperal)..	3223	Calculus (not Biliary) ..	465
Enteric Fever .. .. .	7747	Chorea .. .. .	299	Diseases of Bladder and of Prostate.	4549
Asiatic Cholera .. .. .	—	Epilepsy .. .. .	5611	Other Diseases of Urinary System.	1094
Food, Ptomaine Poisoning	176	Convulsions .. .. .	30911		
Epidemic Diarrhoea, Infective Enteritis.	9178	Laryngismus Stridulus ..	820	Ovarian Tumour (not Malignant).	696
Diarrhoea (not oth. defined)	16589	Locomotor Ataxy .. ..	902	Other Diseases of Ovary ..	89
Dysentery .. .. .	474	Paraplegia, Diseases of Cord.	3839	Uterine Tumour (not Malignant).	624
Tetanus .. .. .	375	Neuritis, Peripheral, Polyneuritis.	655	Other Diseases of Uterus and Vagina.	570
Malaria .. .. .	209	Brain Tumour (not specific)	1117	Disorders of Menstruation	108
Rabies, Hydrophobia .. ..	4	Other Diseases of Nervous System.	7107	Other Dis. of Generative and Mammary Organs.	155
Glanders .. .. .	9	Otitis, Mastoid Disease ..	1707	Abortion, Miscarriage ..	276
Anthrax (Splenic Fever)..	24	Epistaxis, Diseases of Nose.	148	Puerperal Mania .. .. .	148
Syphilis .. .. .	3161	Ophthalmia, Diseases of Eye.	112	Puerperal Convulsions ..	747
Gonorrhoea .. .. .	58	Valvular Disease, Endocarditis (not Infective).	24280	Placenta Prævia, Flooding	1189
Puerperal Septicæmia, Puer. Sept. Intoxication.	2734	Pericarditis .. .. .	818	Other Accidents of Pregnancy and Childbirth.	1752
Puerperal Pyæmia.. .. .	101	Hypertrophy of Heart .. ..	510	Caries, Necrosis .. .. .	1318
Phlegmasia Alba Dolens ..	177	Angina Pectoris .. .. .	1359	Arthritis, Periostitis ..	405
Puerperal Fever (not oth. defined).	728	Dilatation of Heart .. ..	4861	Other Diseases of Locomotor System.	534
Infective Endocarditis ..	708	Fatty Degeneration of Heart.	3934	Ulcer, Bedsore .. .. .	741
(Lobar .. .. .)	6489	Syncope, Heart Disease (not specified).	54231	Eczema .. .. .	676
Broncho- .. .. .	34746	Cerebral Hæmorrhage, Cerebral Embolism.	22437	Pemphigus .. .. .	275
Pneumonia (Epidemic .. ..	19	Apoplexy, Hemiplegia ..	22002	Other Diseases of the Skin.	413
Not defined .. .. .	45446	Aneurysm .. .. .	1992	Other Specified Diseases ..	9
Erysipelas .. .. .	2390	Senile Gangrene .. .. .	2601		
Septicæmia Sept. Intox. (not Puerperal).	655	Embolism, Thrombosis (not Cerebral).	954	Atrophy, Debility .. .. .	33066
Pyæmia (not Puerperal) ..	435	Phlebitis .. .. .	274	Old Age .. .. .	56674
Phlegmon, Carbuncle .. ..	1477	Varicose Veins .. .. .	192	Dropsy, Ascites, Anasarca ..	319
Phagedæna .. .. .	60	Other Diseases of Blood Vessels.	2482	Tumour .. .. .	153
Other Infective Processes	207	Laryngitis .. .. .	2495	Abscess .. .. .	614
Pulmonary Tuberculosis (Tuberc. Phthisis).	19569	Membranous Laryngitis (not Diphtheritic).	69	Hæmorrhage .. .. .	105
Phthisis (not oth. defined)	56375	Croup (not Spasmodic nor Membranous).	1137	Sudden Death (Cause unascertained).	331
Tuberculous Meningitis ..	11131	Other Diseases of Larynx and Trachea.	67	Other ill-defined Causes ..	1314
Tuberculous Peritonitis ..	5522	Bronchitis .. .. .	81497	Causes not specified .. ..	1105
Tabes Mesenterica .. .. .	4381	Emphysema, Asthma .. ..	2962	(In Mines and Quarries	1828
Lupus .. .. .	134	Pleurisy .. .. .	2536	Vehicles and Horses ..	4730
Tubercle of other Organs..	2200	Fibroid Disease of Lung ..	1277	Ships, Boats, and Docks (not Drowning).	499
General Tuberculosis .. ..	7559	Other Diseases of Respiratory System.	5759	Building Operations ..	383
Scarfala .. .. .	304	Tonsillitis, Quinsy .. ..	777	Machinery .. .. .	491
Parasitic Diseases .. .. .	517	Dis. of Mouth, Pharynx, (Esophagus(not specific).	1083	Weapons and Implements.	220
Starvation .. .. .	49	Gastric Ulcer.. .. .	3139	Burns and Scalds .. ..	4629
Scurvy .. .. .	56	Gastric Catarrh .. .. .	1774	Poisons, Poisonous Vapours.	924
Alcoholism, Delirium Tremens.	5199	Other Diseases of Stomach (not Malignant).	7081	Drowning.. .. .	4222
Opium, Morphia Habit ..	26	Enteritis (not Epidemic)..	7820	Suffocation .. .. .	3807
Industrial Lead Poisoning.	155	Gastro-enteritis .. .. .	4086	Falls .. .. .	4997
Industrial Phosphorus Poisoning.	4	Appendicitis, Perityphlitis	2773	Weather Agencies .. ..	443
Industrial Arsenic and other Metal Poisoning.	2	Hernia .. .. .	2825	Otherwise, or not stated	2323
Rheumatic Fever, Acute Rheumatism.	4007	Intestinal Obstruction ..	4566		
Rheumatism of Heart .. ..	1175	Other Dis. of Intestines ..	543		
Chronic Rheumatism .. ..	945				
Rheumatic Arthritis, Rheumatic Gout.	1514				
Gout .. .. .	913				
Carcinoma .. .. .	25283				
Sarcoma .. .. .	3156				
Cancer, Malignant Disease (not otherwise defined).	23606				

† Formerly called Simple Continued Fever.

TABLE 33.—ENGLAND AND WALES.—Names on the Registers, Searches, and Fees received, at the General Register Office, 1853-1902.

YEAR.	NAMES ON THE REGISTERS AT THE END OF EACH YEAR.				SEARCHES IN THE REGISTERS, INCLUDING NON-PAROCHIAL.	
	PERSONS MARRIED.	BIRTHS.	DEATHS.	TOTAL.	NUMBER.*	AMOUNT RECEIVED FOR SEARCHES AND FOR CERTIFICATES.*
1853 .. .. .	4,510,764	8,963,784	6,183,156	19,657,704	3,520†	£ s. d. 505 4 0†
1854 .. .. .	4,830,218	9,598,189	6,621,061	21,049,468	3,827	568 7 6
1855 .. .. .	5,134,444	10,233,232	7,046,764	22,414,440	3,989	592 9 0
1856 .. .. .	5,453,118	10,890,685	7,437,270	23,781,073	4,432	653 15 0
1857 .. .. .	5,771,312	11,553,756	7,857,085	25,182,153	4,355†	630 1 6†
1858 .. .. .	6,083,452	12,209,237	8,306,741	26,599,430	5,585	815 1 6
1859 .. .. .	6,418,898	12,899,118	8,747,522	28,065,538	6,483	949 17 0
1860 .. .. .	6,759,210	13,583,166	9,170,243	29,512,619	7,085	1,031 18 0
1861 .. .. .	7,086,622	14,279,572	9,605,357	30,971,551	7,484	1,099 1 6
1862 .. .. .	7,414,682	14,992,256	10,041,923	32,448,861	8,522	1,250 12 0
1863 .. .. .	7,761,702	15,719,673	10,515,760	33,997,135	8,825†	1,280 17 6†
1864 .. .. .	8,122,476	16,459,948	11,011,291	35,593,715	9,607	1,371 18 6
1865 .. .. .	8,493,424	17,208,017	11,502,200	37,203,641	10,182	1,487 12 0
1866 .. .. .	8,868,976	17,961,887	12,002,889	38,833,752	12,135	1,866 15 6
1867 .. .. .	9,227,284	18,730,236	12,473,962	40,431,482	12,343	1,906 16 6
1868 .. .. .	9,581,208	19,517,094	12,954,584	42,052,886	12,913†	2,031 11 0†
1869 .. .. .	9,935,148	20,290,475	13,449,412	43,675,035	14,260	2,247 7 6
1870 .. .. .	10,298,458	21,083,262	13,964,741	45,346,461	16,170	2,456 19 6
1871 .. .. .	10,678,682	21,880,690	14,479,620	47,038,992	17,910	2,705 7 0
1872 .. .. .	11,081,216	22,706,597	14,971,885	48,759,698	18,970	2,867 5 6
1873 .. .. .	11,492,446	23,536,375	15,464,405	50,493,226	20,941†	3,142 9 6†
1874 .. .. .	11,896,466	24,391,331	15,991,037	52,278,834	22,354	3,364 7 0
1875 .. .. .	12,298,890	25,241,938	16,537,490	54,078,318	26,356	3,879 15 6
1876 .. .. .	12,702,638	26,129,906	17,047,805	55,880,349	27,590	4,109 15 6
1877 .. .. .	13,091,342	27,018,106	17,548,301	57,657,749	27,721	4,211 13 6
1878 .. .. .	13,471,450	27,910,012	18,088,173	59,469,635	28,540	4,313 8 6
1879 .. .. .	13,835,614	28,790,401	18,614,428	61,240,443	29,690†	4,517 15 0†
1880 .. .. .	14,219,544	29,672,044	19,143,052	63,034,640	31,308	4,695 3 0
1881 .. .. .	14,614,124	30,555,686	19,634,987	64,804,797	32,305	4,976 12 6
1882 .. .. .	15,022,934	31,444,700	20,151,641	66,619,275	33,597	5,170 15 0
1883 .. .. .	15,435,702	32,335,422	20,674,638	68,445,762	34,810	5,356 0 0
1884 .. .. .	15,844,304	33,242,172	21,205,466	70,291,942	34,843†	5,177 15 0†
1885 .. .. .	16,239,794	34,136,442	21,728,216	72,104,452	36,450	5,317 13 6
1886 .. .. .	16,631,936	35,040,202	22,265,492	73,937,630	36,079	5,168 16 0
1887 .. .. .	17,032,972	35,926,533	22,796,250	75,755,755	37,750	5,347 5 0
1888 .. .. .	17,440,614	36,806,401	23,307,221	77,554,236	40,477	5,808 0 6
1889 .. .. .	17,868,344	37,692,345	23,825,574	79,386,263	41,002	5,884 2 6
1890 .. .. .	18,314,400	38,562,282	24,387,822	81,264,504	43,874†	6,178 4 0†
1891 .. .. .	18,767,452	39,476,439	24,975,747	83,219,638	46,500	6,458 10 6
1892 .. .. .	19,221,722	40,374,396	25,535,431	85,131,549	50,942	6,921 15 0
1893 .. .. .	19,659,100	41,288,968	26,105,389	87,053,457	50,626	6,845 6 6
1894 .. .. .	20,111,998	42,179,257	26,604,216	88,895,471	54,255	7,166 3 6
1895 .. .. .	20,568,406	43,101,548	27,173,213	90,843,167	53,289	7,200 12 6
1896 .. .. .	21,053,934	44,016,879	27,699,940	92,770,753	57,444†	7,600 0 6†
1897 .. .. .	21,552,224	44,938,562	28,241,427	94,732,213	58,664	7,686 8 6
1898 .. .. .	22,062,982	45,861,727	28,793,568	96,718,277	63,825	8,450 19 6
1899 .. .. .	22,587,650	46,790,373	29,375,367	98,753,390	67,670	8,551 19 6
1900 .. .. .	23,102,610	47,717,435	29,963,197	100,783,242	67,895	8,658 9 6
1901 .. .. .	23,621,410	48,647,242	30,514,782	102,783,434	68,445	8,645 10 0
1902 .. .. .	24,144,910	49,587,751	31,050,320	104,782,931	61,437†	9,177 15 0†

\* The figures in these columns refer to periods of 52 weeks, except those marked †, which refer to periods of 53 weeks.

TABLE 34.—ISLANDS IN THE BRITISH SEAS. Area and Population; and Births and Deaths, 1878—1902.

YEAR.	ISLANDS IN THE BRITISH SEAS.		ISLE OF MAN.		JERSEY.		GUERNSEY AND ADJACENT ISLANDS.	
Area in Acres ..	193,408		145,325		28,717		19,366	
ENUMERATED POPULATION.								
1871 .. .. .	144,638		54,042		56,627		33,969	
1881 .. .. .	141,260		53,558		52,445		35,257	
1891 .. .. .	147,842		55,608		54,518		37,716	
1901 .. .. .	150,370		54,752		52,576		43,042	
	Births.	Deaths.	Births.	Deaths.	Births.	Deaths.	Births.*	Deaths.
1878 .. .. .	3,455	2,845	1,437	1,174	1,285	1,062	733	609
1879 .. .. .	3,624	2,999	1,569	1,122	1,312	1,099	743	778
1880 .. .. .	3,740	3,050	1,539	1,180	1,415	1,147	786	723
1881 .. .. .	3,490	2,653	1,398	1,051	1,363	1,000	729	602
1882 .. .. .	3,581	2,748	1,474	1,017	1,418	1,110	689	621
1883 .. .. .	3,493	3,001	1,392	1,172	1,376	1,129	725	700
1884 .. .. .	3,618	3,024	1,448	1,129	1,471	1,166	699	729
1885 .. .. .	3,562	2,921	1,439	1,074	1,369	1,179	754	668
1886 .. .. .	3,778	2,960	1,574	1,096	1,464	1,145	740	719
1887 .. .. .	3,739	2,674	1,515	1,133	1,458	973	766	568
1888 .. .. .	3,810	2,663	1,564	1,078	1,523	1,025	723	560
1889 .. .. .	3,791	2,687	1,578	1,010	1,415	1,039	793	638
1890 .. .. .	3,607	3,040	1,458	1,159	1,375	1,156	774	725
1891 .. .. .	3,688	2,925	1,493	1,086	1,373	1,144	822	695
1892 .. .. .	3,382	3,031	1,331	1,131	1,269	1,262	782	638
1893 .. .. .	3,633	2,864	1,415	1,091	1,401	1,118	817	655
1894 .. .. .	3,305	2,700	1,336	1,091	1,227	987	742	622
1895 .. .. .	3,602	2,985	1,515	1,138	1,294	1,151	793	696
1896 .. .. .	3,538	2,602	1,437	1,073	1,307	998	794	531
1897 .. .. .	3,716	2,819	1,445	1,099	1,331	1,016	940	704
1898 .. .. .	3,585	2,760	1,400	1,008	1,259	1,020	926	732
1899 .. .. .	3,650	2,881	1,473	1,130	1,261	1,054	916	697
1900 .. .. .	3,375	2,894	1,376	1,143	1,151	1,054	848	697
1901 .. .. .	3,145	2,556	1,204	1,033	1,139	869	802	654
1902 .. .. .	3,239	2,466	1,256	979	1,137	864	806	623

NOTE.—The above numbers have been compiled from returns furnished to the Registrar-General by the Registrar-General of the Isle of Man, the Government Secretary of Jersey, and the Government Secretary of Guernsey.

\* Up to and including the year 1895 the figures in this column refer to the number of Baptisms.

TABLE 35.—UNITED KINGDOM. Emigration, 1878—1902.

(From Returns issued by the Board of Trade.)

YEAR.	TOTAL.	NATIONALITY OF EMIGRANTS.					DESTINATION OF EMIGRANTS OF ENGLISH ORIGIN.			
		ENG-LISH.	SCOTCH.	IRISH.	FO-REIGN-ERS.	NOT DIS-TIN-GUISHED.	NORTH AMERI-CAN COLO-NIES.	UNITED STATES.	AUS-TRALIAN COLONIES AND NEW ZEALAND.	ALL OTHER PLACES.
1878 ..	147,663	72,323	11,087	29,492	31,697	3,064	7,957	32,099	23,055	9,212
1879 ..	217,163	104,275	18,703	41,296	49,480	3,409	13,965	52,402	26,366	11,542
1880 ..	332,294	111,845	22,056	93,641	100,369	4,383	13,541	69,081	15,176	14,047
1881 ..	392,514	139,976	26,826	76,200	144,381	5,131	17,164	90,527	15,704	16,581
1882 ..	413,288	162,992	32,242	84,132	130,029	3,893	27,763	94,599	24,345	16,285
1883 ..	397,157	183,236	31,139	105,743	73,260	3,779	27,995	93,392	50,201	11,648
1884 ..	303,901	147,660	21,953	72,566	57,733	3,989	23,463	83,324	30,967	9,906
1885 ..	264,385	126,260	21,367	60,017	53,783	2,958	14,817	73,789	28,380	9,274
1886 ..	330,801	146,301	25,323	61,276	94,370	3,531	18,886	83,066	33,764	10,585
1887 ..	396,494	168,221	34,365	78,901	108,572	6,435	24,611	107,069	25,085	11,456
1888 ..	398,494	170,822	35,873	73,233	113,230	5,336	26,711	103,674	24,743	15,694
1889 ..	342,641	163,518	25,354	64,923	83,466	5,380	22,417	93,307	23,103	24,691
1890 ..	315,980	139,979	20,653	57,484	94,515	3,349	18,395	86,442	15,989	19,153
1891 ..	334,543	137,881	22,190	58,436	112,275	3,761	17,881	87,581	14,549	17,670
1892 ..	321,397	133,815	23,325	52,902	107,351	4,004	19,937	84,667	12,188	17,023
1893 ..	307,633	134,045	22,637	52,132	95,123	3,696	21,411	83,293	9,025	20,316
1894 ..	226,827	99,590	14,432	42,008	67,032	3,765	15,558	54,253	9,251	20,528
1895 ..	271,772	112,538	18,294	54,349	82,818	3,773	14,099	61,211	9,328	27,900
1896 ..	241,952	102,837	16,866	42,222	76,015	4,012	12,802	48,434	9,219	32,382
1897 ..	213,280	94,658	16,124	35,678	62,932	3,888	13,442	43,381	10,396	27,439
1898 ..	205,171	90,679	15,570	34,395	60,551	3,976	15,050	42,244	8,635	24,750
1899 ..	240,696	87,400	16,072	42,890	90,020	4,314	13,819	45,723	8,741	19,117
1900 ..	298,561	102,448	20,472	45,905	124,722	5,014	15,748	49,445	11,866	25,389
1901 ..	302,575	111,585	20,920	39,210	124,354	6,506	12,176	57,246	12,310	29,853
1902 ..	386,779	137,112	26,285	42,256	174,291	6,826	20,985	58,382	11,373	46,381

TABLE 36.—ARMY Strength and Mortality, 1869—1902.

(Regiments on Passage Out and Home are included with the Number Abroad.)

YEAR.	STRENGTH.			DEATHS.			DEATH-RATE PER 1000.		
	TOTAL ARMY.	IN UNITED KINGDOM.	ABROAD.	TOTAL ARMY.	IN UNITED KINGDOM.	ABROAD.	TOTAL ARMY.	IN UNITED KINGDOM.	ABROAD.
1869 ..	186,668	86,278	100,390	3,250	903	2,347	17.4	10.5	23.4
1870 ..	180,444	89,670	90,774	2,638	1,029	1,609	14.6	11.5	17.7
1871 ..	192,665	105,757	86,908	2,327	1,005	1,322	12.1	9.5	15.2
1872 ..	192,007	104,154	87,853	2,649	940	1,709	13.8	9.0	19.5
1873 ..	188,379	100,583	87,796	2,139	931	1,208	11.4	9.3	13.8
1874 ..	186,389	97,635	88,754	2,136	1,007	1,129	11.5	10.3	12.7
1875 ..	184,669	97,193	87,476	2,269	1,061	1,208	12.3	10.9	13.8
1876 ..	184,433	97,146	87,287	2,102	930	1,172	11.4	9.6	13.4
1877 ..	190,502	101,904	88,598	1,801	856	945	9.5	8.4	10.7
1878 ..	200,758	109,201	91,557	2,249	778	1,471	11.2	7.1	16.1
1879 ..	191,290	88,215	103,075	4,239	796	3,443	22.2	9.0	33.4
1880 ..	188,986	91,887	97,099	3,333	756	2,577	17.6	8.2	26.5
1881 ..	188,798	91,946	96,852	2,650	844	1,806	14.0	9.2	18.6
1882 ..	189,229	94,295	94,934	2,224	806	1,418	11.8	8.5	14.9
1883 ..	181,971	90,071	91,900	1,783	672	1,111	9.8	7.5	12.1
1884 ..	183,004	89,994	93,010	1,611	523	1,088	8.8	5.8	11.7
1885 ..	198,064	91,579	106,485	2,730	735	1,995	13.8	8.0	18.7
1886 ..	203,805	98,057	105,748	2,813	703	2,110	13.8	7.2	20.0
1887 ..	209,574	106,767	102,807	2,006	568	1,438	9.6	5.3	14.0
1888 ..	211,105	106,913	104,192	2,041	731	1,310	9.7	6.8	12.6
1889 ..	210,298	105,956	104,342	1,961	525	1,436	9.3	5.0	13.8
1890 ..	209,221	105,668	103,553	1,813	631	1,182	8.7	6.0	11.4
1891 ..	209,699	104,860	104,839	1,869	562	1,307	8.9	5.4	12.5
1892 ..	213,540	106,115	107,425	1,950	502	1,448	9.1	4.7	13.5
1893 ..	217,279	106,074	111,205	1,803	586	1,217	8.3	5.5	10.9
1894 ..	219,121	105,749	113,372	1,871	447	1,424	8.5	4.2	12.6
1895 ..	220,309	107,636	112,673	1,839	491	1,348	8.3	4.6	12.0
1896 ..	220,742	106,408	114,334	1,862	431	1,431	8.4	4.1	12.5
1897 ..	219,283	102,155	117,128	2,188	403	1,785	10.0	3.9	15.2
1898 ..	225,027	102,202	122,825	2,699	452	2,247	12.0	4.4	18.3
1899 ..	238,739	107,504	131,235	2,516	486	2,030	10.5	4.5	15.5
1900 ..	383,037	117,041	265,996	10,554	958	9,596	27.6	8.2	36.1
1901 ..	412,949	126,797	286,152	6,237	780	5,457	15.1	6.2	19.1
1902 ..	379,048	126,992	252,056	4,029	625	3,404	10.6	4.9	13.5

TABLE 37.—ROYAL NAVY. Mortality in the Service Afloat, 1863—1902.

(From the Statistical Reports of the Health of the Navy.)

YEAR.	DEATH-RATE PER 1000.			YEAR.	DEATH-RATE PER 1000.		
	From All Causes.	From Disease.	From Violence.		From All Causes.	From Disease.	From Violence.
1863 ..	11.3	7.6	3.7	1883 ..	5.88	4.05	1.82
1864 ..	14.0	9.0	5.0	1884 ..	9.00	5.83	3.16
1865 ..	11.3	8.1	3.2	1885 ..	7.04	4.77	2.27
1866 ..	10.2	7.9	2.3	1886 ..	6.88	5.04	1.83
1867 ..	11.5	8.4	3.1	1887 ..	8.32	4.89	3.42
1868 ..	8.9	6.5	2.4	1888 ..	5.71	3.95	1.75

TABLE 38.—MERCHANT SERVICE. Number and Mortality of Seamen employed in Vessels registered in the United Kingdom, the Isle of Man, and Channel Islands, under the Merchant Shipping Act, reported to the Registrar-General of Seamen, 1861-1902.

(Furnished to the Registrar-General by the Marine Department of the Board of Trade.)

YEAR.	No. of PERSONS EMPLOYED.	No. of DEATHS REPORTED.			DEATH-RATE per 1000.		
		From all Causes.	From Disease.	From Violence.	From all Causes.	From Disease.	From Violence.
1861 ..	171,957	3,580	Not ascertained.	Not ascertained.	20·8	Not ascertained.	Not ascertained.
1862 ..	173,863	3,620			20·8		
1863 ..	184,727	3,380			18·3		
1864 ..	195,756	3,893			19·9		
1865 ..	197,643	4,600			23·3		
1866 ..	196,371	4,866	2,241	2,625	24·8	11·4	13·4
1867 ..	196,340	5,283	2,063	3,220	26·9	10·5	16·4
1868 ..	197,502	5,237	1,991	3,246	26·5	10·1	16·4
1869 ..	195,490	4,832	1,680	3,152	24·7	8·6	16·1
1870 ..	195,962	4,523	1,543	2,980	23·1	7·9	15·2
1871 ..	199,738	4,338	1,552	2,786	21·7	7·8	13·9
1872 ..	203,720	4,123	1,456	2,667	20·2	7·1	13·1
1873 ..	202,239	5,393	1,793	3,600	26·7	8·9	17·8
1874 ..	203,606	4,602	1,416	3,186	22·6	7·0	15·6
1875 ..	199,667	4,076	1,215	2,861	20·4	6·1	14·3
1876 ..	198,638	4,151	1,509	2,642	20·9	7·6	13·3
1877 ..	196,562	4,181	1,249	2,932	21·3	6·4	14·9
1878 ..	195,585	3,870	1,464	2,406	19·8	7·5	12·3
1879 ..	193,548	3,692	1,377	2,315	19·1	7·1	12·0
1880 ..	192,972	4,100	1,108	2,992	21·2	5·7	15·5
1881 ..	192,903	4,464	1,241	3,223	23·1	6·4	16·7
1882 ..	195,937	4,659	1,162	3,497	23·8	5·9	17·9
1883 ..	200,727	4,451	Not ascertained.	Not ascertained.	22·2	Not ascertained.	Not ascertained.
1884 ..	199,654	3,757			18·8		
1885 ..	198,781	3,286			16·5		
1886 ..	204,470	3,546			17·3		
1887 ..	220,266	3,384			15·4		
1888 ..	223,673	3,114	13·9	13·9	Not ascertained.	Not ascertained.	
1889 ..	230,263	3,018	Not ascertained.	Not ascertained.	13·1	Not ascertained.	Not ascertained.
1890 ..	236,108	3,305	Not ascertained.	Not ascertained.	14·0	Not ascertained.	Not ascertained.
1891 ..	240,480	3,263	Not ascertained.	Not ascertained.	13·6	Not ascertained.	Not ascertained.
1892 ..	241,735	3,452			14·3		
1893 ..	240,974	3,199			13·3		
1894 ..	240,458	3,305			13·7		
1895 ..	240,486	3,597			15·0		
1896 ..	231,736	2,953	991	1,962	12·7	4·3	8·4
1897 ..	233,780	2,730	954	1,776	11·7	4·1	7·6
1898 ..	231,385	2,637	916	1,721	11·4	4·0	7·4
1899 ..	230,372	2,929	943	1,986	12·7	4·1	8·6
1900 ..	231,784	3,171	1,146	2,025	13·7	4·9	8·8
1901 ..	235,544	2,716	992	1,724	11·5	4·2	7·3
1902 ..	239,691	2,720	1,042	1,678	11·3	4·3	7·0

NOTE.—Up to and including 1886 masters were excluded from the above employment and mortality figures; the latter of which contain some cases of men who died in colonial and fishing vessels not registered under the Merchant Shipping Acts, whose crews are not included in the employment column. Since 1886 masters are included in both columns, and the employment and mortality figures relate only to persons employed in sea-going vessels (except yachts) registered under Part I. of the Merchant Shipping Act, belonging to the United Kingdom, the Isle of Man, and Channel Islands. In and since 1896 the "Number of persons employed" is the sum of the number of persons engaged for the first crew of each vessel on the register on 1st January of the year and employed at sea during the preceding year.

TABLE 39.—ENGLAND AND WALES. Prices and Pauperism, 1853-1902.

Year.	CONSOLS* (for Money).	AVERAGE PRICES.						PAUPERISM.					
		WHEAT per Quarter in England and Wales.†	MEAT. Price per lb. at the Metropolitan Cattle Market (sinking the Offal).‡			Average Price of SEABORNE COAL per Ton in the London Market.§	Average Number, to 1000 Persons living, in receipt of Poor Law Relief.¶			In-door Paupers to 1000 in Receipt of outdoor Relief.			
			BEEF.		MUTTON.		Total.	In-door.	Out-door.				
	£ s. d.	s. d.	d.	d.	d.	d.	d.	s. d.					
1853	97 14 1	53 3	4	—	5	4	—	7	—	48·2	6·0	42·2	142
1854	91 15 8	72 5	4	—	6	4	—	7	—	46·4	6·0	40·4	138
1855	90 7 2	74 8	4	—	6	4	—	6	—	47·7	6·5	41·2	156
1856	92 18 9	69 2	4	—	6	4	—	6	—	48·2	6·6	41·6	158
1857	91 16 3	56 4	4	—	6	4	—	7	—	44·6	6·3	38·3	165
1858	96 19 5	44 2	4	—	4	4	—	—	—	44·7	6·2	38·5	160
1859	95 0 0	43 9	4	—	6	4	—	7	—	41·5	5·6	35·9	157
1860	93 19 8	53 3	4	—	6	5	—	7	—	40·1	5·6	34·5	161
1861	92 0 8	55 4	4	—	6	5	—	7	—	41·9	6·1	35·8	170
1862	93 8 9	55 5	4	—	5	5	—	7	—	46·7	6·4	40·3	160
1863	92 17 10	44 9	4	—	6	5	—	7	—	48·0	6·3	41·7	151
1864	90 6 3	40 2	4	—	6	5	—	7	—	43·8	6·1	37·7	161
1865	89 11 7	41 10	4	—	7	5	—	8	—	41·9	6·0	35·9	168
1866	87 16 11	49 11	4	—	7	5	—	8	—	40·5	6·1	34·4	176
1867	93 1 3	64 5	4	—	6	5	—	6	—	42·5	6·4	36·1	178
1868	93 19 5	63 9	4	—	6	4	—	6	—	43·6	6·8	36·8	183
1869	93 2 2	48 2	4	—	7	5	—	7	—	43·4	6·7	36·7	183
1870	92 13 2	46 10	4	—	7	5	—	7	—	43·5	6·6	36·9	180
1871	92 18 5	56 8	5	—	7	5	—	8	—	41·6	6·3	35·3	179
1872	92 10 8	57 0	5	—	6	—	—	—	—	36·9	6·0	30·9	192
1873	92 14 8	58 8	5	—	8	6	—	9	31 0	33·9	5·9	28·0	210
1874	92 12 6	55 8	5	—	8	5	—	8	23 8	31·5	5·2	25·7	225
1875	93 15 11	45 2	5	—	8	5	—	9	21 8	29·7	5·6	24·1	233
1876	95 5 8	46 2	5	—	8	5	—	9	19 1	27·5	5·7	21·8	260
1877	95 10 0	56 9	4	—	8	4	—	9	17 5	27·0	6·0	21·0	283
1878	95 5 0	46 5	4	—	4	—	—	—	16 4	27·3	6·2	21·1	293
1879	97 12 10	43 10	4	—	7	4	—	8	15 11	29·0	6·5	22·5	290
1880	98 10 8	44 4	4	—	7	4	—	8	14 10	28·4	6·7	21·7	310
1881	100 2 6	45 1	4	—	7	5	—	9	16 0	28·2	6·8	21·4	318
1882	100 17 10	45 1	4	—	8	5	—	9	15 10	27·2	6·7	20·5	325
1883	101 8 2	41 7	5	—	8	5	—	9	16 10	26·7	6·6	20·1	331
1884	101 4 8	35 8	4	—	7	4	—	8	15 5	26·0	6·6	19·4	339
1885	99 4 8	32 10	3	—	6	4	—	7	15 5	26·0	6·6	19·4	338
1886	100 17 10	31 0	3	—	6	4	—	8	14 9	26·6	6·6	20·0	328
1887	101 16 2	32 6	3	—	5	3	—	7	14 10	26·2	6·6	19·6	336
1888	101 0 0	31 10	3	—	6	3	—	7	14 10	26·0	6·6	19·4	337
1889	98 0 9	29 9	—	—	—	—	—	—	16 6	25·0	6·4	18·6	345
1890	96 10 0	31 11	—	—	—	—	—	—	18 7	23·8	6·2	17·6	350
1891	95 14 8	37 0	—	—	—	—	—	—	18 3	22·8	6·0	16·8	360
1892	96 13 6	30 3	4	6	7	5	—	8	17 7	22·6	6·1	16·6	370
1893	98 7 4	26 4	4	6	7	5	—	8	19 0	23·2	6·4	16·8	378
1894	101 1 5	22 10	3	6	7	5	—	8	16 1	23·3	6·5	16·8	386
1895	106 3 3	23 1	4	6	6	5	—	8	14 7	24·2	6·6	17·6	376
1896	110 5 7	26 2	3	5	6	4	—	7	14 4	23·3	6·5	16·8	385
1897	112 8 0	30 2	3	5	6	4	—	7	15 7	23·0	6·4	16·6	390
1898	110 19 6	34 0	3	5	6	4	—	7	16 2	22·9	6·5	16·4	393
1899	107 3 11	25 8	3	5	6	4	—	7	17 10	21·7	6·4	15·3	414
1900	99 12 11	26 11	4	6	7	5	—	8	22 10	21·0	6·2	14·8	418
1901	94 5 8	26 9	3	6	7	4	—	8	19 4	21·2	6·3	14·9	427
1902	94 7 5	28 1	4	6	7	4	—	8	18 1	21·3	6·4	14·9	434

\* The prices of Consols for the years 1853-88 relate to stock bearing 3 per cent. interest, for 1889-1902 to stock bearing 2½ per cent.  
 † From the Board of Trade Statistical Abstract.  
 ‡ The Registrar-General is unable to give precise information as to the price of meat for the years 1889-91.  
 § The prices of coal are furnished by the Mineral Statistics Department of the Home Office.  
 ¶ Derived from Returns, published by the Local Government Board, of the number of persons in receipt of Relief on the last day of each week.



TABLE 40.—Meteorological Elements,

YEAR.	Mean Weekly Movement of the Air in Miles.*	Departure from Average of 50 Years.	Fall of Rain in Inches.	Departure from Average of 50 Years.	Mean Degree of Humidity of the Air (Saturation =100).	Departure from Average of 50 Years.	Mean Temperature of the Air.	Departure from Average of 50 Years.
	Miles.	Miles.	Inches.	Inches.	%	%	°	°
1853	1597	-287	29.0	+5.2	79	-2	47.7	-1.6
1854	1731	-153	18.7	-5.1	83	+2	48.9	-0.4
1855	1659	-225	21.1	-2.7	83	+2	47.1	-2.2
1856	1775	-109	22.2	-1.6	83	+2	49.0	-0.3
1857	1562	-322	21.4	-2.4	83	+2	51.0	+1.7
1858	1626	-258	17.8	-6.0	79	-2	49.2	-0.1
1859	1598	-286	25.9	+2.1	80	-1	50.7	+1.4
1860	1676	-208	32.0	+8.2	84	+3	47.0	-2.3
1861	1666	-218	20.8	-3.0	84	+3	49.4	+0.1
1862	1680	-204	26.2	+2.4	84	+3	49.5	+0.2
1863	1775	-109	20.0	-3.8	80	-1	50.3	+1.0
1864	1597	-287	16.7	-7.1	78	-3	48.5	-0.8
1865	1553	-331	29.0	+5.2	80	-1	50.3	+1.0
1866	1917	+33	30.7	+6.9	82	+1	49.8	+0.5
1867	1981	+97	28.4	+4.6	82	+1	48.6	-0.7
1868	2029	+145	25.2	+1.4	78	-3	51.5	+2.2
1869	2043	+159	24.0	+0.2	81	0	49.5	+0.2
1870	1872	-12	18.5	-5.3	79	-2	48.7	-0.6
1871	1749	-135	22.3	-1.5	81	0	48.7	-0.6
1872	1998	+114	30.0	+6.2	82	+1	50.7	+1.4
1873	1940	+56	23.4	-0.4	82	+1	48.9	-0.4
1874	1915	+31	20.0	-3.8	82	+1	49.3	0.0
1875	1942	+58	28.2	+4.4	80	-1	49.2	-0.1
1876	2036	+152	24.2	+0.4	80	-1	50.1	+0.8
1877	2184	+300	26.9	+3.1	79	-2	49.4	+0.1
1878	1880	-4	29.2	+5.4	81	0	49.6	+0.3
1879	1873	-11	31.3	+7.5	83	+2	46.2	-3.1
1880	1928	+44	29.8	+6.0	84	+3	49.4	+0.1
1881	2030	+146	25.2	+1.4	81	0	48.7	-0.6
1882	2151	+267	25.2	+1.4	84	+3	49.7	+0.4
1883	2058	+174	21.9	-1.9	82	+1	49.4	+0.1
1884	2034	+150	18.1	-5.7	80	-1	50.7	+1.4
1885	2008	+124	24.0	+0.2	81	0	48.6	-0.7
1886	1962	+78	24.2	+0.4	81	0	48.7	-0.6
1887	1927	+43	19.9	-3.9	79	-2	47.8	-1.5
1888	2049	+165	27.5	+3.7	82	+1	47.7	-1.6
1889	1934	+50	23.3	-0.5	83	+2	48.8	-0.5
1890	1946	+62	21.9	-1.9	81	0	48.6	-0.7
1891	1945	+61	25.1	+1.3	82	+1	48.4	-0.9
1892	1863	-21	22.3	-1.5	80	-1	48.1	-1.2
1893	1909	+25	20.1	-3.7	76	-5	51.1	+1.8
1894	2019	+135	26.9	+3.1	81	0	49.9	+0.6
1895	1951	+67	19.7	-4.1	78	-3	49.3	0.0
1896	1932	+48	22.4	-1.4	79	-2	50.2	+0.9
1897	2033	+149	22.1	-1.7	79	-2	50.3	+1.0
1898	1956	+72	18.9	-4.9	78	-3	51.3	+2.0
1899	1911	+27	22.3	-1.5	77	-4	50.6	+1.3
1900	2050	+166	23.2	-0.6	79	-2	50.4	+1.1
1901	1970	+86	20.3	-3.5	78	-3	49.2	-0.1
1902	1933	+49	19.3	-4.5	80	-1	49.2	-0.1
Average in 50 Years.	1884	—	23.8	—	81	—	49.3	—

\* Approximated to the results of the Robinson's Anemometer by reductions from Whewell's up to 1859.

Greenwich, 1853-1902.

MEAN TEMPERATURES of the AIR in the Quarters ending the last day of								YEAR.
March.	Departure from Average of 50 Years.	June.	Departure from Average of 50 Years.	Sept.	Departure from Average of 50 Years.	Dec.	Departure from Average of 50 Years.	
°	°	°	°	°	°	°	°	
38.1	-1.6	51.8	-1.0	58.5	-1.7	42.3	-1.9	1853
40.8	+1.1	51.7	-1.1	59.8	-0.4	43.7	-0.5	1854
34.1	-5.6	50.5	-2.3	60.4	+0.2	42.7	-1.5	1855
40.0	+0.3	52.3	-0.5	59.9	-0.3	44.2	0.0	1856
39.2	-0.5	53.8	+1.0	63.3	+3.1	47.9	+3.7	1857
37.8	-1.9	54.3	+1.5	61.0	+0.8	43.8	-0.4	1858
43.3	+3.6	53.7	+0.9	62.8	+2.6	43.3	-0.9	1859
38.8	-0.9	50.5	-2.3	56.2	-4.0	42.6	-1.6	1860
39.9	+0.2	51.8	-1.0	60.4	+0.2	45.5	+1.3	1861
41.0	+1.3	53.3	+0.5	58.8	-1.4	45.0	+0.8	1862
42.6	+2.9	53.1	+0.3	58.8	-1.4	46.8	+2.6	1863
37.9	-1.8	53.1	+0.3	59.4	-0.8	43.7	-0.5	1864
36.5	-3.2	56.2	+3.4	62.5	+2.3	46.0	+1.8	1865
41.2	+1.5	53.0	+0.2	58.9	-1.3	46.2	+2.0	1866
38.9	-0.8	53.5	+0.7	59.7	-0.5	42.5	-1.7	1867
41.4	+1.7	55.8	+3.0	63.9	+3.7	45.1	+0.9	1868
41.3	+1.6	52.0	-0.8	61.4	+1.2	43.3	-0.9	1869
38.0	-1.7	54.4	+1.6	60.7	+0.5	41.6	-2.3	1870
40.2	+0.5	51.5	-1.3	61.3	+1.1	41.8	-2.4	1871
43.6	+3.9	52.8	0.0	61.1	+0.9	45.3	+1.1	1872
39.4	-0.3	51.8	-1.0	60.3	+0.1	44.2	0.0	1873
41.4	+1.7	52.8	0.0	60.9	+0.7	42.3	-1.9	1874
39.5	-0.2	53.4	+0.6	60.7	+0.5	43.1	-1.1	1875
39.5	-0.2	51.7	-1.1	61.8	+1.6	47.0	+2.8	1876
42.3	+2.6	51.9	-0.9	58.5	-1.7	45.0	+0.8	1877
41.5	+1.8	54.6	+1.8	60.8	+0.6	41.6	-2.6	1878
37.1	-2.6	49.5	-3.3	58.1	-2.1	39.9	-4.3	1879
39.8	+0.1	52.4	-0.4	61.4	+1.2	44.0	-0.2	1880
37.3	-2.4	52.9	+0.1	60.0	-0.2	44.6	+0.4	1881
42.3	+2.6	53.0	+0.2	58.1	-2.1	44.7	+0.5	1882
40.0	+0.3	53.0	+0.2	59.5	-0.7	44.9	+0.7	1883
43.4	+3.7	52.5	-0.3	62.7	+2.5	44.1	-0.1	1884
40.3	+0.6	52.4	-0.4	59.1	-1.1	42.8	-1.4	1885
36.5	-3.2	52.5	-0.3	61.2	+1.0	44.6	+0.4	1886
37.3	-2.4	51.6	-1.2	61.0	+0.8	41.3	-2.9	1887
36.9	-2.8	51.6	-1.2	57.6	-2.6	44.6	+0.4	1888
38.2	-1.5	54.5	+1.7	58.9	-1.3	43.5	-0.7	1889
41.4	+1.7	52.8	0.0	58.4	-1.8	40.8	-3.4	1890
37.6	-2.1	51.6	-1.2	59.3	-0.9	45.0	+0.8	1891
37.5	-2.2	53.4	+0.6	59.2	-1.0	42.3	-1.9	1892
40.9	+1.2	57.0	+4.2	61.9	+1.7	44.6	+0.4	1893
41.4	+1.7	53.3	+0.5	58.6	-1.6	46.4	+2.2	1894
35.2	-4.5	55.1	+2.3	62.3	+2.1	44.7	+0.5	1895
42.2	+2.5	55.6	+2.8	60.4	+0.2	42.4	-1.8	1896
41.1	+1.4	53.1	+0.3	60.9	+0.7	46.0	+1.8	1897
41.5	+1.8	52.4	-0.4	62.7	+2.5	48.5	+4.3	1898
41.8	+2.1	52.8	0.0	63.0	+2.8	44.7	+0.5	1899
39.2	-0.5	52.8	0.0	61.8	+1.6	47.6	+3.4	1900
37.8	-1.9	53.4	+0.6	61.7	+1.5	43.9	-0.3	1901
40.5	+0.8	51.0	-1.8	59.6	-0.6	45.2	+1.0	1902
39.7	—	52.8	—	60.2	—	44.2	—	{ Average in 50 Years.

TABLE 41.—Quarterly Meteorological

Compiled from Tables furnished to the

1902. YEAR .. Winter Quarter Spring do. Summer do. Autumn do.	Temperature of								Elastic Force of Vapour.		Weight of Vapour in a Cubic Foot of Air.	
	Air.		Evaporation.		Dew Point.		Air—Daily Range.		Mean.	Diff. from Average of 60 Years.	Mean.	Diff. from Average of 60 Years.
	Mean.	Diff. from Average of 60 Years.	Mean.	Diff. from Average of 60 Years.	Mean.	Diff. from Average of 60 Years.	Mean.	Diff. from Average of 60 Years.				
	°	°	°	°	°	°	in.	in.	grs.	gr.		
49.2	+ 0.5	- 0.2	45.9	- 0.6	42.5	- 1.0	14.0	- 1.8	.280	-.013	3.2	- 0.2
40.5	+ 1.6	+ 0.7	38.4	+ 0.6	35.6	+ 0.4	10.9	- 0.9	.210	+.003	2.5	+ 0.1
51.0	- 1.4	- 1.9	47.2	- 1.9	43.1	- 2.1	16.7	- 3.2	.283	-.023	3.2	- 0.2
59.6	- 0.2	- 0.8	54.9	- 1.6	50.8	- 2.2	18.7	- 1.0	.372	-.030	4.2	- 0.4
45.2	+ 1.5	+ 0.8	43.1	+ 0.5	40.6	0.0	9.8	- 1.9	.255	-.002	2.9	- 0.2

In this table + and - respectively signify that the number in the preceding column is

TABLE 42.—Monthly Meteorological

1902. MONTH.	Mean Reading of the Barometer, reduced to 32° F.	Temperature of the Air.							Departure from Average of 181 Years (1771-1901).	Mean Temperature of the Dew Point.
		Highest by Day.	Lowest by Night.	Range in Month.	Mean of all Highest.	Mean of all Lowest.	Mean Daily Range.	Mean for the Month.		
January ..	ins. 29.985	° 52.7	° 24.7	° 28.0	° 45.7	° 37.2	° 8.5	° 41.8	+ 5.0	° 37.2
February ..	29.691	54.1	14.3	39.8	40.2	30.6	9.6	35.2	- 3.6	30.9
March ..	29.683	60.5	26.6	33.9	51.9	37.4	14.5	44.4	+ 3.3	38.7
April ..	29.775	68.2	30.9	37.3	55.6	38.9	16.7	46.9	+ 0.7	38.2
May ..	29.794	71.0	29.8	41.2	57.3	41.2	16.1	48.4	- 4.2	41.5
June ..	29.743	80.7	41.1	39.6	66.9	49.6	17.3	57.6	- 0.8	49.5
July ..	29.853	86.1	42.4	43.7	71.7	51.6	20.1	61.7	- 0.1	50.8
August ..	29.753	79.0	42.8	36.2	69.5	51.7	17.8	60.6	- 0.4	52.6
September ..	29.891	75.1	36.8	38.3	65.6	47.5	18.1	56.6	0.0	49.0
October ..	29.808	67.1	32.6	34.5	55.9	43.7	12.2	49.8	+ 0.3	45.0
November ..	29.710	57.9	27.2	30.7	49.5	39.8	9.7	44.7	+ 2.1	40.7
December ..	29.881	56.7	24.5	32.2	44.9	37.5	7.4	41.2	+ 2.1	36.1
Year ..	29.797	86.1	14.3	71.8	56.2	42.2	14.0	49.2	+ 0.5	42.5

Elements, Greenwich, 1902.

Registrar-General by the Astronomer Royal.

Degree of Humidity.	Reading of Barometer, reduced to 32° F.		Weight of a Cubic Foot of Air.		Rain.	Reading of Thermometer on Grass.			1902. YEAR. Winter Quarter. Spring do. Summer do. Autumn do.			
	Mean (Saturation = 100)	Diff. from Average of 60 Years.	Mean.	Diff. from Average of 60 Years.		Number of Nights it was						
					At or below 30°.	Between 30° and 40°.	Above 40°.	Lowest Reading at Night.		Highest Reading at Night.		
80	- 2	29.797	+ 0.20	543	+ 1	ins. 19.34	ins. - 5.46	114	140	111	6.9	55.6
84	0	29.786	+ .12	552	0	2.79	- 2.15	50	33	7	6.9	44.0
74	- 3	29.771	- .014	540	+ 2	6.85	+ 1.24	34	28	29	17.8	49.3
76	- 1	29.832	+ .036	532	+ 2	5.67	- 1.50	2	34	56	29.3	55.6
85	- 4	29.800	+ .047	547	0	4.03	- 3.05	28	45	19	17.3	45.5

above or below the average to the amount of the quantities to which these signs are affixed.

Elements, Greenwich, 1902.

Mean Elastic Force of Vapour.	Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight required for Saturation.	Mean Degree of Humidity. (Saturation=100)	Mean Weight of a Cubic Foot of Air.	Relative Proportion of Wind.				Mean Amount of Cloud. (Scale 0-10.)	Rain.		1902. MONTH
					N.	E.	S.	W.		Number of Days on which measured.	Amount collected.	
ins. .222	grs. 2.6	grs. 0.5	° 86	grs. 554	5	1	15	10	7.5	9	ins. 0.64	January.
.173	2.1	0.3	86	556	10	10	5	3	7.7	13	0.79	February.
.235	2.7	0.6	80	545	3	4	12	12	7.6	15	1.36	March.
.231	2.7	1.0	72	545	8	8	8	6	7.1	7	0.42	April.
.262	3.0	0.9	77	543	12	2	7	10	7.9	22	3.33	May.
.355	3.9	1.4	74	532	4	10	9	7	6.6	15	3.10	June.
.371	4.2	1.8	70	530	7	3	8	13	6.8	12	1.09	July.
.397	4.5	1.2	79	530	5	5	9	12	7.6	19	2.93	August.
.348	3.9	1.1	79	536	7	9	8	6	5.5	8	1.65	September.
.299	3.4	0.6	85	542	8	6	8	9	7.6	14	1.24	October.
.254	2.9	0.5	86	545	2	12	12	4	7.3	12	1.29	November.
.213	2.5	0.5	83	553	6	7	7	11	8.0	13	1.50	December.
.280	3.2	0.9	80	543	77	77	108	103	7.3	159	19.34	Year.





TABLE 47.—ENGLAND AND WALES. Population, Marriages, Births, and Deaths, 1853-1902.

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1853	18,404,368	164,520	329,040	612,391	421,097	17'9	33'3	22'9
1854	18,616,310	159,727	319,454	634,405	437,905	17'2	34'1	23'5
1855	18,829,000	152,113	304,226	635,043	425,703	16'2	33'7	22'6
1856	19,042,412	159,337	318,674	657,453	390,506	16'7	34'4	20'5
1857	19,256,516	159,097	318,194	663,071	419,815	16'5	34'4	21'8
1858	19,471,291	156,070	312,140	655,481	449,658	16'0	33'7	23'1
1859	19,686,701	167,723	335,446	689,881	440,781	17'0	35'0	23'4
1860	19,902,713	170,156	340,312	684,048	422,721	17'1	34'3	21'2
1861*	20,119,314	163,706	327,412	696,406	435,114	16'3	34'6	21'6
1862	20,371,013	164,030	328,060	712,684	436,566	16'1	35'0	21'4
1863	20,625,855	173,510	347,020	727,417	473,837	16'8	35'3	23'0
1864	20,883,889	180,387	360,774	740,275	495,531	17'2	35'4	23'7
1865	21,145,151	185,474	370,948	748,069	490,909	17'5	35'4	23'2
1866	21,409,684	187,776	375,552	753,870	500,689	17'5	35'2	23'4
1867	21,677,525	179,154	358,308	768,349	471,073	16'5	35'4	21'7
1868	21,948,713	176,962	353,924	786,858	480,622	16'1	35'8	21'8
1869	22,223,299	176,970	353,940	773,381	494,828	15'9	34'8	22'3
1870	22,501,316	181,655	363,310	792,787	515,329	16'1	35'2	22'9
1871*	22,788,594	190,112	380,224	797,428	514,879	16'7	35'0	22'6
1872	23,096,495	201,267	402,534	825,907	492,265	17'4	35'6	21'3
1873	23,408,556	205,615	411,230	829,778	492,520	17'6	35'4	21'0
1874	23,724,834	202,010	404,020	854,956	526,632	17'0	36'0	22'2
1875	24,045,385	201,212	402,424	850,607	546,453	16'7	35'4	22'7
1876	24,370,267	201,874	403,748	887,968	510,315	16'5	36'3	20'9
1877	24,699,539	194,352	388,704	888,200	500,496	15'7	36'0	20'3
1878	25,033,259	190,054	380,108	891,906	539,872	15'2	35'6	21'6
1879	25,371,489	182,082	364,164	880,389	526,255	14'4	34'7	20'7
1880	25,714,283	191,965	383,930	881,643	528,624	14'9	34'2	20'5
1881*	26,046,142	197,290	394,580	883,642	491,935	15'1	33'9	18'9
1882	26,334,942	204,405	408,810	889,014	516,654	15'5	33'8	19'6
1883	26,626,949	206,384	412,768	890,722	522,997	15'5	33'5	19'6
1884	26,922,192	204,301	408,602	906,750	530,828	15'1	33'6	19'7
1885	27,220,706	197,745	395,490	894,270	522,750	14'5	32'9	19'2
1886	27,522,532	196,071	392,142	903,760	537,276	14'2	32'8	19'5
1887	27,827,706	200,518	401,036	886,331	530,758	14'4	31'9	19'1
1888	28,136,258	203,821	407,642	879,868	510,971	14'4	31'2	18'1
1889	28,448,239	213,865	427,730	885,944	518,353	15'0	31'1	18'2
1890	28,763,673	223,028	446,056	869,937	562,248	15'5	30'2	19'5
1891*	29,085,819	226,526	453,052	914,157	587,925	15'6	31'4	20'2
1892	29,421,892	227,135	454,270	897,957	559,684	15'4	30'4	19'0
1893	29,760,842	218,689	437,378	914,572	569,958	14'7	30'7	19'2
1894	30,104,201	226,449	452,898	890,289	498,827	15'0	29'6	16'6
1895	30,451,528	228,204	456,408	922,291	568,997	15'0	30'3	18'7
1896	30,802,858	242,764	485,528	915,331	526,727	15'7	29'6	17'1
1897	31,158,245	249,145	498,290	921,683	541,487	16'0	29'6	17'4
1898	31,517,725	255,379	510,758	923,165	552,141	16'2	29'3	17'5
1899	31,881,365	262,334	524,668	928,646	581,799	16'5	29'1	18'2
1900	32,249,187	257,480	514,960	927,062	587,830	16'0	28'7	18'2
1901*	32,621,263	259,400	518,800	929,807	551,585	15'9	28'5	16'9
1902	32,997,626	261,750	523,500	940,509	535,538	15'9	28'5	16'2

\* Census year.

TABLE 48.—SCOTLAND. Population, Marriages, Births, and Deaths, 1855-1902. (Compiled from the Reports of the Registrar-General for Scotland.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1855	2,978,065	19,680	39,360	93,349	62,004	13'2	31'5	20'8
1856	2,995,771	20,740	41,480	101,821	58,529	13'8	34'0	19'5
1857	3,012,310	21,369	42,738	103,415	61,906	14'2	34'3	20'6
1858	3,027,665	19,655	39,310	104,018	63,539	13'0	34'4	21'0
1859	3,041,812	21,201	42,402	106,543	61,714	13'9	35'0	20'3
1860	3,054,738	21,225	42,450	105,629	68,170	13'9	35'6	22'3
1861*	3,069,404	20,896	41,792	107,009	62,341	13'6	34'9	20'3
1862	3,097,009	20,597	41,194	107,069	67,195	13'3	34'6	21'7
1863	3,126,879	22,234	44,468	109,341	71,481	14'3	35'0	22'9
1864	3,156,021	22,725	45,450	112,333	74,416	14'4	35'6	23'6
1865	3,185,437	23,611	47,222	113,070	70,891	14'8	35'5	22'3
1866	3,215,129	23,688	47,376	113,667	71,348	14'7	35'4	22'2
1867	3,245,098	22,618	45,236	114,044	69,067	13'9	35'1	21'3
1868	3,275,350	21,855	43,710	115,514	69,416	13'3	35'3	21'2
1869	3,305,885	22,144	44,288	113,354	75,875	13'4	34'3	23'0
1870	3,336,707	23,854	47,708	115,390	74,165	14'3	34'6	22'2
1871*	3,368,921	24,019	48,038	116,128	74,712	14'3	34'5	22'2
1872	3,404,798	25,641	51,282	118,765	75,794	15'1	34'9	22'3
1873	3,441,056	26,748	53,496	119,700	76,946	15'5	34'8	22'4
1874	3,477,704	26,390	52,780	123,711	80,720	15'2	35'6	23'2
1875	3,514,744	25,974	51,948	123,578	81,767	14'8	35'2	23'3
1876	3,552,183	26,579	53,158	126,534	74,129	15'0	35'6	20'9
1877	3,590,022	25,817	51,634	126,822	73,937	14'4	35'3	20'6
1878	3,628,268	24,358	48,716	126,773	76,793	13'4	34'9	21'2
1879	3,665,443	23,519	47,038	125,730	73,347	12'8	34'3	20'0
1880	3,705,994	24,505	49,010	124,570	75,803	13'2	33'6	20'5
1881*	3,742,564	26,004	52,008	126,171	72,325	13'9	33'7	19'3
1882	3,770,657	26,596	53,192	126,158	72,989	14'1	33'5	19'4
1883	3,798,961	26,869	53,738	124,458	76,891	14'1	32'8	20'2
1884	3,827,478	26,106	52,212	129,157	75,168	13'6	33'7	19'6
1885	3,856,307	25,304	50,608	126,100	74,607	13'1	32'7	19'3
1886	3,885,155	24,515	49,030	127,890	73,640	12'6	32'9	18'9
1887	3,914,318	24,876	49,752	124,418	74,546	12'7	31'7	19'0
1888	3,943,701	25,305	50,610	123,269	71,174	12'8	31'3	18'0
1889	3,973,305	26,344	52,688	122,783	73,238	13'3	30'9	18'4
1890	4,003,132	27,469	54,938	121,526	79,004	13'7	30'4	19'7
1891*	4,036,245	27,969	55,938	125,986	83,573	13'9	31'2	20'7
1892	4,078,910	28,670	57,340	125,043	75,545	14'1	30'7	18'5
1893	4,122,029	27,145	54,290	127,110	79,670	13'2	30'8	19'3
1894	4,165,606	27,604	55,208	124,367	71,113	13'3	29'9	17'1
1895	4,209,645	28,422	56,844	126,494	81,852	13'5	30'0	19'4
1896	4,254,153	30,270	60,540	129,172	70,677	14'2	30'4	16'6
1897	4,299,132	31,050	62,100	128,877	79,144	14'4	30'0	18'4
1898	4,344,589	32,112	64,224	130,861	78,397	14'8	30'1	18'0
1899	4,390,530	32,978	65,956	130,733	79,593	15'0	29'8	18'1
1900	4,436,958	32,444	64,888	131,401	82,296	14'6	29'6	18'5
1901*	4,483,830	31,387	62,774	132,192	80,107	14'0	29'5	17'9
1902	4,531,299	31,878	63,756	132,250	77,946	14'1	29'2	17'2

\* Census year.

TABLE 49.—IRELAND. Population, Marriages, Births, and Deaths, 1864-1902.  
(Compiled from the Reports of the Registrar-General for Ireland.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS. Still-born.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1864	5,640,527	27,406	54,812	136,414	93,144	9·7	24·2	16·5
1865	5,594,589	30,802	61,604	144,970	93,154	11·0	25·9	16·7
1866	5,522,942	30,121	60,242	146,090	93,027	10·9	26·5	16·8
1867	5,486,509	29,742	59,484	144,388	93,503	10·8	26·3	17·0
1868	5,465,914	27,699	55,398	146,051	86,185	10·1	26·7	15·8
1869	5,449,094	27,277	54,554	145,659	89,593	10·0	26·7	16·4
1870	5,418,512	28,667	57,334	149,846	90,462	10·6	27·7	16·7
1871*	5,398,179	28,960	57,920	151,355	88,348	10·7	28·0	16·4
1872	5,372,890	26,943	53,886	149,278	97,294	10·0	27·8	18·1
1873	5,327,938	25,730	51,460	144,377	97,537	9·6	27·1	18·3
1874	5,298,979	24,481	48,962	141,288	91,961	9·2	26·6	17·3
1875	5,278,629	24,037	48,074	138,320	98,114	9·1	26·1	18·5
1876	5,277,544	26,388	52,776	140,469	92,324	9·9	26·4	17·3
1877	5,286,380	24,722	49,444	139,659	93,543	9·3	26·2	17·5
1878	5,282,246	25,284	50,568	134,117	99,629	9·5	25·1	18·6
1879	5,265,625	23,254	46,508	135,328	105,089	8·7	25·2	19·6
1880	5,202,648	20,363	40,726	128,086	102,906	7·8	24·7	19·8
1881*	5,145,770	21,826	43,652	125,847	90,035	8·5	24·5	17·5
1882	5,101,018	22,029	44,058	122,648	88,500	8·6	24·0	17·3
1883	5,023,811	21,368	42,736	118,163	96,228	8·5	23·5	19·2
1884	4,974,561	22,585	45,170	118,875	87,154	9·1	23·9	17·5
1885	4,938,588	21,177	42,354	115,951	90,712	8·6	23·5	18·4
1886	4,905,895	20,594	41,188	113,927	87,292	8·4	23·2	17·8
1887	4,857,119	20,945	41,890	112,400	88,585	8·6	23·1	18·2
1888	4,801,312	20,060	40,120	109,557	85,892	8·4	22·8	17·9
1889	4,757,385	21,521	43,042	107,841	82,908	9·0	22·7	17·4
1890	4,717,959	20,990	41,980	105,254	85,850	8·9	22·3	18·2
1891*	4,680,376	21,475	42,950	108,116	85,999	9·2	23·1	18·4
1892	4,633,808	21,530	43,060	104,234	90,044	9·3	22·5	19·4
1893	4,607,462	21,714	43,428	106,082	82,821	9·4	23·0	18·0
1894	4,589,260	21,602	43,204	105,354	83,528	9·4	23·0	18·2
1895	4,559,936	23,120	46,240	106,113	84,395	10·1	23·3	18·5
1896	4,542,061	23,055	46,110	107,641	75,700	10·2	23·7	16·7
1897	4,529,917	22,891	45,782	106,664	83,839	10·1	23·5	18·5
1898	4,518,478	22,580	45,160	105,457	82,404	10·0	23·3	18·2
1899	4,502,401	22,311	44,622	103,900	79,699	9·9	23·1	17·7
1900	4,468,501	21,330	42,660	101,459	87,606	9·5	22·7	19·6
1901*	4,445,630	22,564	45,128	100,976	79,119	10·2	22·7	17·8
1902	4,432,274	22,949	45,898	101,863	77,676	10·4	23·0	17·5

\* Census year.

TABLE 50.—DENMARK (the Kingdom properly so-called). Population, Marriages, Births, and Deaths, 1861-1902.  
(Supplied by the Director of the Statistical Bureau of Denmark.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION 1st February.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1861	1,625,200	12,097	24,194	51,616	29,947	14·9	31·8	18·4
1862	1,642,200	12,044	24,088	50,942	30,200	14·7	31·0	18·4
1863	1,659,400	12,456	24,912	51,701	30,333	15·0	31·1	18·3
1864	1,676,700	9,466	18,932	50,797	39,100†	11·3	30·3	23·3†
1865	1,694,300	15,056	30,112	53,218	39,266	17·8	31·4	23·2
1866	1,712,000	14,354	28,708	55,141	35,707	16·8	32·2	20·9
1867	1,729,900	13,225	26,450	52,706	34,553	15·3	30·5	20·0
1868	1,748,000	12,769	25,538	54,490	33,816	14·6	31·2	19·3
1869	1,766,300	12,971	25,942	52,109	33,781	14·7	29·5	19·1
1870*	1,784,741	13,134	26,268	54,420	34,091	14·7	30·5	19·1
1871	1,802,400	13,207	26,414	54,396	35,075	14·6	30·2	19·5
1872	1,820,200	13,627	27,254	55,221	33,433	15·0	30·3	18·4
1873	1,838,100	14,903	29,806	56,571	34,250	16·2	30·8	18·6
1874	1,856,300	15,260	30,520	57,278	37,046	16·4	30·9	20·0
1875	1,874,600	15,915	31,830	59,749	39,423	17·0	31·9	21·0
1876	1,893,100	16,180	32,360	61,788	37,365	17·1	32·6	19·7
1877	1,911,800	15,428	30,856	61,844	35,806	16·1	32·4	18·7
1878	1,930,700	14,295	28,590	61,290	35,792	14·8	31·7	18·5
1879	1,949,800	14,287	28,574	62,455	38,531	14·7	32·0	19·8
1880*	1,969,039	14,959	29,918	62,612	40,237	15·2	31·8	20·4
1881	1,988,500	15,529	31,058	64,145	36,471	15·6	32·3	18·3
1882	2,008,100	15,496	30,992	65,070	38,738	15·4	32·4	19·3
1883	2,028,000	15,642	31,284	64,474	37,403	15·4	31·8	18·4
1884	2,048,000	15,970	31,940	68,340	37,597	15·6	33·4	18·4
1885	2,068,200	15,645	31,290	67,463	36,999	15·1	32·6	17·9
1886	2,088,600	14,834	29,668	68,080	38,094	14·2	32·6	18·2
1887	2,109,200	14,726	29,452	67,417	38,645	14·0	32·0	18·3
1888	2,130,100	15,091	30,182	67,428	41,869	14·2	31·7	19·7
1889	2,151,000	15,233	30,466	67,385	40,004	14·2	31·3	18·6
1890*	2,172,380	14,975	29,950	66,376	41,377	13·8	30·6	19·0
1891	2,196,200	14,941	29,882	67,937	43,954	13·6	30·9	20·0
1892	2,220,300	15,039	30,078	65,468	43,079	13·5	29·5	19·4
1893	2,244,700	15,739	31,478	68,530	42,295	14·0	30·5	18·8
1894	2,269,300	15,687	31,374	68,300	39,508	13·8	30·1	17·4
1895	2,294,200	16,147	32,294	68,871	38,573	14·1	30·0	16·8
1896	2,319,400	16,823	33,646	70,271	36,090	14·5	30·3	15·6
1897	2,344,900	17,464	34,928	69,576	38,744	14·9	29·7	16·5
1898	2,370,600	17,897	35,794	71,670	36,671	15·1	30·2	15·5
1899	2,396,600	17,937	35,874	71,355	41,477	15·0	29·8	17·3
1900	2,422,900	18,498	36,996	72,129	40,891	15·3	29·8	16·9
1901*	2,449,540	17,599	35,198	73,211	38,786	14·4	29·9	15·8
1902	2,476,500	17,649	35,298	72,795	36,408	14·3	29·4	14·7

NOTE.—An addition of territory containing a population of about 8000 was made in 1864, and the acts relating thereto are included in this Table from 1861.

\* Census year.

† War raged in the year 1864.

TABLE 51.—NORWAY. Population, Marriages, Births, and Deaths, 1871-1902.

(Supplied by the Director of the Central Statistical Bureau of Norway.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1871	1,746,800	11,610	23,220	51,080	29,567	13·3	29·2	16·9
1872	1,757,100	12,302	24,604	52,271	29,172	14·0	29·7	16·6
1873	1,770,000	12,822	25,644	52,981	29,828	14·5	29·9	16·9
1874	1,787,100	13,713	27,426	54,928	32,452	15·3	30·7	18·2
1875*	1,807,800	14,177	28,354	56,358	33,964	15·7	31·2	18·8
1876	1,829,200	14,049	28,098	58,230	34,356	15·4	31·8	18·0
1877	1,852,500	14,022	28,044	58,855	31,354	15·1	31·8	16·9
1878	1,878,200	13,681	27,362	58,408	29,582	14·6	31·1	15·8
1879	1,903,600	12,850	25,700	60,917	28,616	13·5	32·0	15·0
1880	1,921,000	12,751	25,502	58,923	30,550	13·3	30·7	15·9
1881	1,925,900	12,316	24,632	58,342	32,427	12·8	30·0	16·8
1882	1,924,500	12,874	25,748	59,375	35,325	13·4	30·9	18·4
1883	1,925,000	12,710	25,420	59,498	32,834	13·2	30·9	17·1
1884	1,934,000	13,247	26,494	60,025	31,730	13·7	31·0	16·4
1885	1,952,000	13,024	26,048	61,052	32,111	13·3	31·3	16·5
1886	1,966,000	12,819	25,638	60,716	31,566	13·0	30·9	16·1
1887	1,979,000	12,491	24,982	60,908	31,675	12·5	30·8	16·0
1888	1,987,000	12,154	24,308	61,277	33,645	12·2	30·8	16·9
1889	1,992,000	12,416	24,832	59,188	34,704	12·5	29·7	17·4
1890*	1,985,000	12,922	25,844	60,108	35,492	13·0	30·3	17·9
1891	1,996,000	13,179	26,358	61,721	34,856	13·2	30·9	17·5
1892	2,006,000	12,742	25,484	59,430	35,769	12·7	29·6	17·8
1893	2,015,000	12,974	25,948	61,918	32,915	12·9	30·7	16·3
1894	2,030,000	12,966	25,932	60,450	34,355	12·8	29·8	16·9
1895	2,055,100	13,339	26,678	62,932	32,189	13·0	30·6	15·7
1896	2,083,600	13,962	27,924	63,308	31,574	13·4	30·4	15·2
1897	2,110,400	14,220	28,440	63,417	32,389	13·4	30·0	15·3
1898	2,138,600	15,039	30,078	64,821	32,693	14·0	30·3	15·3
1899	2,167,500	15,530	31,060	67,013	36,563	14·3	30·9	16·9
1900*	2,200,700	15,222	30,444	66,149	34,932	13·8	30·1	15·9
1901	2,228,100	14,760	29,520	66,207	33,295	13·2	29·7	14·9
1902	2,240,000	14,400	28,800	65,300	31,200	12·8	29·1	13·9

\* Census year.

TABLE 52.—SWEDEN. Population, Marriages, Births, and Deaths, 1853-1902.

(Supplied by the Director of the Central Statistical Bureau of Sweden.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1853	3,551,863	25,596	51,192	111,407	84,047	14·4	31·4	23·7
1854	3,585,720	27,585	55,170	120,107	70,846	15·4	33·5	19·8
1855*	3,624,568	27,253	54,506	115,072	77,734	15·0	31·7	21·4
1856	3,656,999	27,221	54,442	115,082	79,618	14·9	31·5	21·8
1857	3,680,295	28,531	57,062	119,349	101,491	15·5	32·4	27·6
1858	3,710,921	30,092	60,184	129,039	80,498	16·2	34·8	21·7
1859	3,760,987	31,125	62,250	131,605	75,720	16·6	35·0	20·1
1860*	3,823,732	29,839	59,678	133,162	67,502	15·6	34·8	17·7
1861	3,888,534	28,272	56,544	126,634	71,829	14·5	32·6	18·5
1862	3,941,619	27,825	55,650	131,584	84,350	14·1	33·4	21·4
1863	3,994,232	29,013	58,026	134,279	77,227	14·5	33·6	19·3
1864	4,046,313	28,248	56,496	136,004	81,937	14·0	33·6	20·2
1865	4,092,101	28,944	57,888	134,281	79,216	14·1	32·8	19·4
1866	4,137,409	27,797	55,594	136,989	82,666	13·4	33·1	20·0
1867	4,178,179	25,440	50,880	128,832	82,072	12·2	30·8	19·6
1868	4,184,381	22,833	45,666	114,955	87,807	10·9	27·5	21·0
1869	4,165,919	23,503	47,006	117,677	92,775	11·3	28·2	22·3
1870*	4,163,641	25,072	50,144	119,838	82,449	12·0	28·8	19·8
1871	4,186,351	27,187	54,374	127,333	72,046	13·0	30·4	17·2
1872	4,227,295	29,470	58,940	126,983	68,802	13·9	30·0	16·3
1873	4,274,192	31,257	62,514	131,643	73,525	14·6	30·8	17·2
1874	4,319,766	31,422	62,844	133,249	87,760	14·5	30·9	20·3
1875	4,362,425	30,762	61,524	135,958	88,439	14·1	31·2	20·3
1876	4,406,502	31,184	62,368	135,890	86,334	14·2	30·8	19·6
1877	4,457,127	30,674	61,348	138,476	83,175	13·7	31·1	18·7
1878	4,508,203	29,151	58,302	134,464	81,418	12·9	29·8	18·1
1879	4,555,382	28,635	57,270	139,043	77,152	12·6	30·5	16·9
1880*	4,572,285	28,919	57,838	134,262	82,753	12·6	29·4	18·1
1881	4,568,956	28,301	56,602	132,804	80,800	12·4	29·1	17·7
1882	4,575,680	28,967	57,934	134,300	79,406	12·7	29·4	17·4
1883	4,591,355	29,449	58,898	132,875	79,487	12·9	28·9	17·3
1884	4,624,022	30,200	60,400	138,745	81,077	13·1	30·0	17·5
1885	4,663,609	30,911	61,822	137,308	82,781	13·3	29·4	17·8
1886	4,699,979	30,133	60,266	139,882	78,045	12·8	29·8	16·6
1887	4,726,045	29,517	59,034	140,169	76,227	12·5	29·7	16·1
1888	4,741,579	28,075	56,150	136,451	75,831	11·8	28·8	16·0
1889	4,761,333	28,478	56,956	132,069	76,124	12·0	27·7	16·0
1890*	4,779,695	28,611	57,222	133,597	81,824	12·0	28·0	17·1
1891	4,793,866	27,940	55,880	135,516	80,603	11·7	28·3	16·8
1892	4,804,808	27,338	54,676	129,622	85,894	11·4	27·0	17·9
1893	4,815,508	27,219	54,438	131,729	81,027	11·3	27·4	16·8
1894	4,848,667	27,851	55,702	131,409	79,444	11·5	27·1	16·4
1895	4,896,221	28,728	57,456	134,599	74,368	11·7	27·5	15·2
1896	4,940,914	29,376	58,752	134,308	77,259	11·9	27·2	15·6
1897	4,986,100	30,221	60,442	132,999	76,558	12·1	26·7	15·4
1898	5,036,275	30,900	61,800	136,523	75,949	12·3	27·1	15·1
1899	5,080,160	31,710	63,420	133,882	89,678	12·5	26·4	17·7
1900*	5,116,922	31,478	62,956	138,139	86,146	12·3	27·0	16·8
1901	5,155,835	31,278	62,556	139,370	82,772	12·1	27·0	16·1
1902†	5,186,990	30,852	61,704	136,579	79,539	11·9	26·3	15·3

\* Census year.

† The figures for the year 1902 are provisional.

TABLE 53.—AUSTRIA. Population, Marriages, Births, and Deaths, 1853—1902.

(Furnished by the President of the Statistical Central Commission of Austria.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MAR-RIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MAR-RIED.	BIRTHS.	DEATHS.
1853	17,980,005	137,621	275,242	665,994	570,885	15.3	37.4	32.0
1854	18,034,250	124,258	248,516	654,267	622,695	13.8	36.5	34.8
1855	17,846,451	115,223	230,446	577,177	787,649	12.8	32.5	44.4
1856	17,980,409	145,733	291,466	637,353	541,446	16.4	36.3	30.2
1857*	18,224,500	150,852	301,704	713,693	510,052	16.6	40.1	28.1
1858	18,422,689	155,073	310,146	729,666	532,920	16.9	39.5	28.8
1859	18,637,737	130,656	261,312	753,880	540,475	14.1	40.4	29.0
1860	18,851,777	158,340	316,680	715,606	502,809	16.9	37.9	26.6
1861	18,998,027	151,440	302,880	708,209	563,402	16.0	37.2	29.6
1862	19,163,152	168,684	337,368	726,474	562,792	17.6	37.9	29.3
1863	19,369,559	162,958	325,916	781,445	576,481	16.9	40.3	30.0
1864	19,575,687	160,740	321,480	789,827	585,142	16.5	40.3	30.0
1865	19,724,712	153,492	306,984	746,445	598,863	15.6	37.8	30.3
1866	19,668,324	128,051	256,102	746,507	804,338†	13.0	37.9	40.9†
1867	19,816,250	191,661	383,322	726,538	580,055	19.4	36.6	29.2
1868	20,004,726	182,940	365,880	758,591	571,558	18.3	37.9	28.5
1869*	20,217,531	208,787	417,574	795,360	583,995	20.7	39.3	28.9
1870	20,422,348	199,083	398,166	808,281	598,581	19.6	39.6	29.3
1871	20,601,251	194,591	389,182	801,515	616,729	18.9	38.9	29.9
1872	20,730,493	192,406	384,812	810,147	677,022	18.6	39.1	32.7
1873	20,742,490	194,815	389,630	828,030	811,150‡	18.7	39.9	39.1‡
1874	20,904,387	189,017	378,034	829,709	662,929	18.1	39.7	31.7
1875	21,107,719	180,349	360,698	842,303	634,088	17.2	39.9	30.0
1876	21,321,909	176,148	352,296	853,436	634,363	16.6	40.0	29.8
1877	21,470,054	161,337	322,674	830,776	677,748	15.1	38.7	31.6
1878	21,614,761	164,233	328,466	833,251	683,661	15.2	38.6	31.6
1879	21,812,980	169,088	338,176	855,593	652,491	15.5	39.2	29.9
1880*	21,981,821	167,200	334,400	827,980	654,258	15.2	38.0	29.8
1881	22,116,378	176,016	352,032	833,476	676,515	15.9	37.7	30.6
1882	22,280,546	183,378	366,756	873,522	686,951	16.5	39.1	30.8
1883	22,439,637	176,016	352,032	858,832	677,337	15.7	38.2	30.1
1884	22,629,031	179,171	358,342	878,321	666,523	15.9	38.7	29.4
1885	22,777,797	175,233	350,466	860,663	689,493	15.4	37.6	30.1
1886	22,952,897	180,191	360,382	876,063	678,458	15.7	38.0	29.4
1887	23,147,669	182,088	364,176	889,478	672,302	15.8	38.2	28.9
1888	23,328,594	185,991	371,982	889,901	686,573	16.0	37.9	29.2
1889	23,557,704	177,771	355,542	898,350	646,787	15.1	37.9	27.3
1890*	23,707,906	178,906	357,812	868,935	696,342	15.1	36.7	29.4
1891	23,932,790	186,418	372,836	919,503	673,315	15.6	37.0	28.2
1892	24,106,481	187,707	375,414	871,278	693,421	15.6	36.2	28.8
1893	24,350,327	193,235	386,470	923,420	660,081	15.9	37.9	27.2
1894	24,549,193	194,233	388,466	901,398	682,805	15.8	36.7	27.8
1895	24,669,268	199,761	399,522	941,184	682,899	16.2	38.1	27.7
1896	24,922,740	198,461	396,922	948,419	657,011	15.9	38.0	26.4
1897	25,335,258	203,843	407,686	944,764	646,019	16.2	37.5	25.6
1898	25,604,375	199,661	399,322	922,364	635,115	15.7	36.2	24.9
1899	25,836,312	213,926	427,852	959,211	657,343	16.5	37.1	25.4
1900*	25,904,516	213,933	427,866	967,078	657,574	16.5	37.3	25.4
1901	26,062,477	213,956	427,912	962,291	631,138	16.4	36.9	24.2
1902	26,572,832	206,577	413,154	984,022	656,368	15.5	37.0	24.7

NOTE.—The figures in this table refer exclusively to the civil population.  
 \* Census year.  
 † The excessive mortality in 1866 was due to cholera and the war.  
 ‡ Cholera caused the deaths of 107,007 persons in 1873.

TABLE 54.—HUNGARY.\* Population, Marriages, Births, and Deaths, 1866—1902.

(Furnished by the Director of the Statistical Central Office of Hungary.)

YEAR.	NUMBERS.					PROPORTION PER 1,000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MAR-RIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MAR-RIED.	BIRTHS.	DEATHS.
1866	12,956,546	105,670	211,340	546,110	504,043‡	16.3	42.1	38.9†
1867	13,026,346	135,601	271,202	506,234	436,434	20.8	38.8	33.5
1868	13,140,388	179,637	359,274	557,841	443,799	27.3	42.4	33.8
1869†	13,561,245	146,272	292,544	566,123	424,106	22.0	42.6	32.0
1870	13,685,852	133,999	267,998	570,692	446,085	19.6	41.7	32.6
1871	13,741,650	142,853	285,706	591,148	535,350	20.8	43.0	39.0
1872	13,724,567	147,555	295,110	563,362	580,445	21.5	41.0	42.3
1873	13,417,304	153,068	306,136	566,792	874,055‡	22.6	42.2	65.1‡
1874	13,418,020	143,718	287,436	572,444	571,728‡	21.4	42.7	42.6‡
1875	13,525,459	147,443	294,886	608,440	501,001	21.8	45.0	37.0
1876	15,217,000	154,305	308,610	704,856	545,570	20.3	46.3	35.9
1877	15,378,000	143,380	286,760	669,816	562,485	18.7	43.6	36.6
1878	15,447,000	147,014	294,028	665,392	577,104	19.0	43.1	37.4
1879	15,571,000	162,188	324,376	713,584	556,605	20.8	45.8	35.7
1880†	15,697,000	144,126	288,252	672,352	583,788	18.4	42.8	37.2
1881	15,797,000	157,733	315,466	676,891	542,880	19.9	42.9	34.4
1882	15,919,000	163,839	327,678	696,682	561,579	20.6	43.8	35.3
1883	16,064,000	167,656	335,312	718,908	516,468	20.9	44.8	32.2
1884	16,265,000	167,528	335,056	741,206	504,473	20.6	45.6	31.0
1885	16,472,000	165,299	330,598	737,358	524,619	20.1	44.8	31.8
1886	16,676,000	160,793	321,586	759,865	527,961	19.3	45.6	31.7
1887	16,861,000	151,624	303,248	744,737	569,380	18.0	44.2	33.8
1888	17,031,000	158,881	317,762	745,867	545,169	18.7	43.8	32.0
1889	17,233,000	140,613	281,226	753,312	513,467	16.3	43.7	29.9
1890†	17,404,000	142,683	285,366	701,504	563,609	16.4	40.3	32.4
1891	17,536,168	150,825	301,650	742,416	581,263	17.2	42.3	33.1
1892	17,647,293	162,707	325,414	712,608	618,765	18.4	40.4	35.1
1893	17,779,476	166,511	333,022	758,222	554,941	18.8	42.6	31.2
1894	17,963,599	166,075	332,150	744,995	547,194	18.6	41.5	30.5
1895	18,155,843	153,931	307,862	758,302	538,768	17.0	41.8	29.7
1896	18,355,347	147,477	294,954	742,936	530,368	16.2	40.5	28.9
1897	18,554,494	151,169	302,338	748,064	528,967	16.4	40.3	28.5
1898	18,738,579	156,208	312,416	706,833	524,390	16.8	37.7	28.0
1899	18,927,595	170,826	341,652	743,272	514,334	18.2	39.3	27.2
1900†	19,144,142	169,687	339,374	752,718	515,234	17.8	39.3	26.9
1901	19,366,180	170,316	340,632	731,721	491,804	17.6	37.8	25.4
1902	19,585,304	169,029	338,058	759,739	528,058	17.2	38.8	27.0

\* The figures for the years 1866-75 refer to Hungary Proper; those for 1876 and subsequent years to the Kingdom of Hungary. They are, therefore, not strictly comparable.  
 † Census year.  
 ‡ Cholera was epidemic.



TABLE 55.—SWITZERLAND. Population, Marriages, Births, and Deaths, 1868-1902.

(Compiled from the Reports issued by the Federal Statistical Bureau.)

YEAR.	NUMBERS.					PROPORTION PER 1,000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MAR-RIED.	BIRTHS.	DEATHS.
1868	2,629,886	17,648	35,296	?	?	13·4	?	?
1869	2,646,115	19,091	38,182	?	?	14·4	?	?
1870*	2,662,344	18,610	37,220	79,208	68,746	14·0	29·8	25·8
1871	2,664,349	19,514	39,028	77,633	74,002	14·6	29·1	27·8
1872	2,680,530	21,212	42,424	80,329	59,758	15·8	30·0	22·3
1873	2,698,397	20,649	41,298	80,572	61,676	15·3	29·9	22·9
1874	2,721,542	22,655	45,310	83,051	60,845	16·6	30·5	22·4
1875	2,733,980	24,629	49,258	87,579	66,113	18·0	32·0	24·2
1876	2,748,930	22,376	44,752	90,786	66,819	16·3	33·0	24·3
1877	2,764,930	21,871	43,742	89,244	65,353	15·8	32·3	23·6
1878	2,780,563	20,590	41,180	87,833	65,311	14·8	31·6	23·5
1879	2,801,767	19,450	38,900	86,180	63,651	13·9	30·8	22·7
1880*	2,827,572	19,413	38,826	84,165	62,223	13·7	29·8	22·0
1881	2,835,820	19,425	38,850	85,142	63,979	13·7	30·0	22·6
1882	2,836,831	19,414	38,828	82,689	62,849	13·7	29·1	22·2
1883	2,848,445	19,696	39,392	81,974	58,733	13·8	28·8	20·6
1884	2,861,238	19,898	39,796	81,571	58,301	13·9	28·5	20·4
1885	2,874,038	20,105	40,210	80,349	61,548	14·0	28·0	21·4
1886	2,886,832	20,080	40,160	80,763	60,061	13·9	28·0	20·8
1887	2,899,626	20,646	41,292	81,287	58,939	14·2	28·0	20·3
1888*	2,912,420	20,706	41,412	81,098	58,229	14·2	27·8	20·0
1889	2,937,007	20,691	41,382	81,176	59,715	14·1	27·6	20·3
1890	2,970,012	20,836	41,672	78,548	61,805	14·0	26·4	20·8
1891	3,003,367	21,264	42,528	83,596	61,183	14·2	27·8	20·4
1892	3,036,508	21,884	43,768	83,125	57,178	14·4	27·4	18·8
1893	3,069,649	21,884	43,768	84,897	61,059	14·3	27·7	19·9
1894	3,102,790	22,188	44,376	84,142	61,885	14·3	27·1	19·9
1895	3,135,931	22,682	45,364	84,973	59,747	14·5	27·1	19·1
1896	3,169,072	23,784	47,568	88,428	56,096	15·0	27·9	17·7
1897	3,202,213	24,954	49,908	90,078	56,399	15·6	28·1	17·6
1898	3,235,353	25,114	50,228	91,793	58,914	15·5	28·4	18·2
1899	3,268,494	25,412	50,824	94,472	57,591	15·5	28·9	17·6
1900*	3,301,635	25,537	51,074	94,316	63,606	15·5	28·6	19·3
1901	3,328,842	25,378	50,756	97,028	60,018	15·2	29·1	18·0
1902	3,357,907	25,128	50,256	96,481	57,702	15·0	28·7	17·2

\* Census year.

TABLE 56.—GERMAN EMPIRE. Population, Marriages, Births, and Deaths, 1872-1902.

(Furnished by the Director of the Statistical Department of the German Empire.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MAR-RIED.	BIRTHS.	DEATHS.
1872	41,185,000	423,900	847,800	1,626,037	1,194,732	20·6	39·5	29·0
1873	41,532,000	416,049	832,098	1,648,117	1,174,293	20·0	39·7	28·3
1874	41,983,000	400,282	800,564	1,683,440	1,122,396	19·1	40·1	26·7
1875*	42,510,000	386,746	773,492	1,724,412	1,172,393	18·2	40·6	27·6
1876	43,057,000	366,930	733,860	1,761,046	1,134,452	17·0	40·9	26·3
1877	43,608,000	347,792	695,584	1,744,659	1,152,023	16·0	40·0	26·4
1878	44,127,000	340,016	680,032	1,714,433	1,157,960	15·4	38·9	26·2
1879	44,639,000	335,113	670,226	1,735,871	1,143,773	15·0	38·9	25·6
1880*	45,093,000	337,342	674,684	1,696,175	1,173,205	15·0	37·6	26·0
1881	45,426,000	338,909	677,818	1,682,149	1,156,391	14·9	37·0	25·5
1882	45,717,000	350,457	700,914	1,702,348	1,176,853	15·3	37·2	25·7
1883	46,014,000	352,999	705,998	1,683,699	1,190,002	15·3	36·6	25·9
1884	46,334,000	362,596	725,192	1,725,583	1,203,500	15·7	37·2	26·0
1885*	46,705,000	368,619	737,238	1,729,927	1,199,742	15·8	37·0	25·7
1886	47,132,000	372,326	744,652	1,746,133	1,233,737	15·8	37·0	26·2
1887	47,628,000	370,659	741,318	1,757,079	1,151,924	15·6	36·9	24·2
1888	48,166,000	376,654	753,308	1,761,407	1,142,826	15·6	36·6	23·7
1889	48,715,000	389,339	778,678	1,772,570	1,153,087	16·0	36·4	23·7
1890*	49,239,000	395,356	790,712	1,759,253	1,199,006	16·1	35·7	24·4
1891	49,762,000	399,398	798,796	1,840,172	1,164,421	16·1	37·0	23·4
1892	50,266,000	398,775	797,550	1,795,971	1,211,402	15·9	35·7	24·1
1893	50,757,000	401,234	802,468	1,865,715	1,248,201	15·8	36·8	24·6
1894	51,339,000	408,066	816,132	1,841,205	1,144,331	15·9	35·9	22·3
1895*	52,001,000	414,218	828,436	1,877,278	1,151,488	15·9	36·1	22·1
1896	52,753,000	432,107	864,214	1,914,749	1,098,966	16·4	36·3	20·8
1897	53,569,000	447,770	895,540	1,926,690	1,142,056	16·7	36·0	21·3
1898	54,406,000	458,877	917,754	1,964,731	1,117,860	16·9	36·1	20·5
1899	55,248,000	471,519	943,038	1,980,304	1,185,197	17·1	35·8	21·5
1900*	56,046,000	476,491	952,982	1,996,139	1,236,382	17·0	35·6	22·1
1901	56,862,000	468,329	936,658	2,032,313	1,174,489	16·5	35·7	20·7
1902	57,730,000	457,208	914,416	2,024,735	1,122,492	15·8	35·1	19·4

\* Census year.

TABLE 57.—PRUSSIA. Population, Marriages, Births, and Deaths, 1855-1902.

(Furnished by the Director of the Statistical Department of Prussia.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MAR-RIED.	BIRTHS.	DEATHS.
1855*	17,176,336	131,911	263,822	593,567	526,157	15.4	34.6	30.6
1856	17,276,226	141,267	282,534	601,062	453,300	16.4	34.8	26.2
1857	17,439,813	162,475	324,950	674,839	493,175	18.6	38.7	28.3
1858*	17,634,959	167,387	334,774	699,467	488,913	19.0	39.7	27.7
1859	17,870,194	150,569	301,138	715,731	462,369	16.8	40.1	25.9
1860	18,139,940	151,847	303,694	699,532	429,974	16.7	38.6	23.7
1861*	18,394,861	146,992	293,984	693,093	467,617	16.0	37.7	25.4
1862	18,629,026	157,118	314,236	692,505	457,741	16.9	37.2	24.6
1863	18,875,966	163,704	327,408	745,352	492,079	17.3	39.5	26.1
1864*	19,134,883	165,590	331,180	759,135	503,289†	17.3	39.7	26.3†
1865	19,363,435	176,236	352,472	761,458	530,170	18.2	39.3	27.4
1866	19,487,770	151,759	303,518	765,539	664,933†	15.6	39.3	24.1†
1867*	23,877,134	222,466	444,932	885,322	614,872	18.6	37.1	25.8
1868	24,066,759	212,958	425,916	888,006	658,754	17.7	36.9	27.4
1869	24,260,862	216,914	433,828	632,196	919,314	17.9	37.9	26.1
1870	24,484,786	181,539	363,078	938,762	665,983†	14.8	38.3	27.2†
1871*	24,630,440	195,873	391,746	832,085	708,143†	15.9	33.8	28.8†
1872	24,750,637	255,421	510,842	982,925	724,784	20.6	39.7	29.3
1873	24,948,408	252,872	505,744	987,924	698,421†	20.3	39.6	28.0†
1874	25,219,818	244,773	489,546	1,012,220	651,137	19.4	40.1	25.8
1875*	25,549,935	230,875	461,750	1,040,955	678,736	18.1	40.7	26.6
1876	25,950,148	221,727	443,454	1,057,119	660,454	17.1	40.7	25.4
1877	26,305,317	210,357	420,714	1,048,999	672,440	16.0	39.9	25.6
1878	26,634,797	207,716	415,432	1,032,414	686,346	15.6	38.7	25.8
1879	26,952,742	206,752	413,504	1,052,153	666,652	15.3	39.0	24.7
1880*	27,205,339	208,456	416,912	1,029,324	692,972	15.3	37.8	25.5
1881	27,382,662	209,586	419,172	1,013,166	682,404	15.3	37.0	24.9
1882	27,560,419	217,239	434,478	1,036,384	700,366	15.8	37.6	25.4
1883	27,746,488	220,748	441,496	1,029,013	711,414	15.9	37.1	25.6
1884	27,955,360	225,939	451,878	1,051,319	718,254	16.2	37.6	25.7
1885*	28,207,721	230,707	461,414	1,064,827	717,048	16.4	37.7	25.4
1886	28,484,191	231,588	463,176	1,074,653	742,923	16.3	37.7	26.1
1887	28,790,042	229,999	459,998	1,085,339	686,338	16.0	37.7	23.8
1888	29,137,429	233,421	466,842	1,091,503	665,586	16.0	37.4	22.8
1889	29,493,056	240,996	481,992	1,094,771	682,919	16.3	37.1	23.2
1890*	29,825,633	244,657	489,314	1,092,437	717,316	16.4	36.6	24.0
1891	30,165,866	245,906	491,812	1,138,467	689,588	16.3	37.7	22.9
1892	30,501,468	245,447	490,894	1,106,717	714,797	16.1	36.3	23.4
1893	30,830,253	248,348	496,696	1,156,502	746,654	16.1	37.5	24.2
1894	31,222,040	250,960	501,920	1,143,273	679,919	16.1	36.6	21.8
1895*	31,666,802	253,729	507,458	1,168,182	689,883	16.0	36.9	21.8
1896	32,160,484	264,822	529,644	1,185,460	666,782	16.5	36.9	20.7
1897	32,683,961	274,693	549,386	1,194,035	683,017	16.8	36.5	20.9
1898	33,207,438	280,394	560,788	1,219,524	665,127	16.9	36.7	20.0
1899	33,730,915	287,408	574,816	1,225,638	720,679	17.0	36.3	21.4
1900*	34,254,392	293,064	586,128	1,235,862	745,519	17.1	36.1	21.8
1901	34,777,869	288,567	577,134	1,260,473	713,741	16.6	36.2	20.5
1902	35,301,346	281,532	563,064	1,255,686	677,293	16.0	35.6	19.2

NOTE.—Prussia includes Schleswig-Holstein, Hanover, Hesse-Nassau, and Frankfort-on-Maine from the year 1867; the Duchy of Lauenburg since the middle of the year 1876; and Heligoland since 1891.  
\* Census year.  
† Cholera prevailed in 1866 and 1873. The deaths for 1864, 1866, 1870, and 1871 include those of soldiers who fell in war.

TABLE 58.—THE NETHERLANDS. Population, Marriages, Births, and Deaths, 1853-1902.

(Furnished by the Director of the Netherlands Central Statistical Bureau.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MAR-RIED.	BIRTHS.	DEATHS.
1853	3,154,730	24,487	48,974	104,297	77,415	15.5	33.1	24.5
1854	3,180,790	22,895	45,790	104,244	76,475	15.0	32.8	24.0
1855	3,207,065	23,367	46,734	102,815	84,781	14.6	32.1	28.1
1856	3,233,843	24,509	49,013	106,008	76,145	15.2	32.8	23.5
1857	3,267,058	25,950	51,900	113,426	87,625	15.9	34.7	26.8
1858	3,292,793	26,342	52,684	106,846	91,925	16.0	32.4	27.9
1859*	3,306,173	27,007	54,014	115,569	102,510†	16.3	35.0	31.2†
1860	3,322,699	27,108	54,216	105,148	82,545	16.3	31.9	24.8
1861	3,354,731	27,172	54,344	118,681	85,133	16.2	35.4	25.4
1862	3,391,692	26,541	53,082	112,768	80,822	15.7	33.2	23.8
1863	3,431,888	28,421	56,842	123,918	82,029	16.6	36.4	23.9
1864	3,472,645	29,154	58,308	123,795	87,766	16.8	35.7	25.3
1865	3,510,486	29,806	59,612	126,794	91,074	17.0	36.1	25.9
1866	3,540,841	29,620	59,240	125,253	101,851†	16.7	35.4	28.8†
1867	3,572,495	29,935	59,870	126,505	84,764	16.8	35.4	23.7
1868	3,610,442	27,680	55,360	126,059	89,944	15.3	34.9	24.9
1869*	3,606,219	27,796	55,592	123,789	82,553	15.4	34.3	22.9
1870	3,601,146	28,632	57,264	129,997	93,066	15.9	36.1	25.8
1871	3,627,801	28,991	57,982	128,305	106,978†	16.0	35.4	29.5†
1872	3,655,969	30,189	60,378	131,664	94,594	16.5	36.0	25.9
1873	3,695,331	31,671	63,342	133,796	89,287	17.1	36.2	24.2
1874	3,741,632	31,353	62,706	136,072	85,069	16.8	36.4	22.7
1875	3,788,395	31,553	63,106	138,469	96,834	16.7	36.6	25.6
1876	3,837,491	31,699	63,398	142,210	90,187	16.5	37.1	23.5
1877	3,885,124	31,461	62,922	142,618	86,289	16.2	36.6	22.2
1878	3,953,339	30,710	61,420	142,746	90,739	15.5	36.1	23.0
1879*	4,009,448	30,655	61,310	147,014	90,024	15.3	36.7	22.5
1880	4,048,801	30,349	60,698	143,855	95,281	15.0	35.5	23.5
1881	4,087,334	29,849	59,698	142,969	87,726	14.6	35.0	21.5
1882	4,143,524	29,571	59,142	146,454	85,950	14.3	35.3	20.7
1883	4,199,018	29,815	59,630	144,102	91,656	14.2	34.3	21.8
1884	4,251,669	30,528	61,056	148,480	94,413	14.4	34.9	22.2
1885	4,307,142	29,894	59,788	148,028	90,304	13.9	34.4	21.0
1886	4,363,434	30,298	60,596	150,851	95,239	13.9	34.6	21.8
1887	4,420,864	30,924	61,848	149,157	87,093	14.0	33.7	19.7
1888	4,478,401	30,862	61,724	151,094	91,241	13.8	33.7	20.4
1889*	4,527,264	31,494	62,988	150,529	91,135	13.9	33.2	20.1
1890	4,537,990	32,304	64,608	149,329	93,246	14.2	32.9	20.5
1891	4,593,155	32,707	65,414	154,687	94,844	14.2	33.7	20.7
1892	4,645,660	33,330	66,660	148,714	97,530	14.4	32.0	21.0
1893	4,701,243	34,311	68,622	159,005	90,372	14.6	33.8	19.2
1894	4,764,279	34,470	68,940	154,722	87,970	14.4	32.7	18.5
1895	4,827,549	35,598	71,196	158,130	90,007	14.7	32.8	18.6
1896	4,894,055	36,490	72,980	160,247	84,291	14.9	32.7	17.2
1897	4,966,431	36,796	73,592	161,441	83,856	14.8	32.5	16.9
1898	5,039,418	36,813	73,626	160,765	85,813	14.6	31.9	17.0
1899*	5,107,098	37,990	75,980	163,289	87,319	14.9	32.0	17.1
1900	5,159,347	39,416	78,838	162,611	92,043	15.2	31.5	17.8
1901	5,221,180	40,261	80,522	168,380	89,967	15.4	32.3	17.2
1902	5,305,207	40,255	80,510	168,728	86,248	15.1	31.8	16.3

\* Census year.  
† Cholera prevailed in 1859 and 1866, and caused 3,878 and 19,686 deaths respectively; small-pox caused 5,787 deaths in 1871.

TABLE 59.—BELGIUM. Population, Marriages, Births, and Deaths, 1853-1902.

(Furnished by the Director-General of the Statistical Department of Belgium.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION at the end of each Year.	MARRIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1853	4,548,507	30,636	61,272	127,728	100,333	13·5	28·1	22·1
1854	4,585,096	29,485	58,970	131,837	103,266	12·9	28·8	22·5
1855	4,607,066	29,815	59,630	125,955	112,716	12·9	27·3	24·5
1856*	4,529,461	32,926	65,852	134,187	97,395	14·5	29·6	21·5
1857	4,577,236	37,292	74,584	143,291	103,458	16·3	31·3	22·6
1858	4,623,197	38,237	76,474	145,074	107,910	16·5	31·4	23·3
1859	4,671,226	36,941	73,882	149,812	111,650	15·8	32·1	23·9
1860	4,731,996	35,112	70,224	144,668	92,871	14·8	30·6	19·6
1861	4,782,255	33,802	67,604	147,253	106,381	14·1	30·8	22·2
1862	4,836,566	34,146	68,292	145,568	100,124	14·1	30·1	20·7
1863	4,893,021	35,813	71,626	155,564	107,959	14·6	31·8	22·1
1864	4,940,570	36,959	73,918	155,872	115,948	15·0	31·5	23·5
1865	4,984,351	37,671	75,342	156,323	122,341	15·1	31·4	24·5
1866*	4,827,833	37,783	75,566	158,010	151,116†	15·7	32·7	31·3†
1867	4,897,794	38,244	76,488	157,149	105,576	15·6	32·1	21·6
1868	4,961,644	36,271	72,542	156,134	107,556	14·6	32·5	21·7
1869	5,021,336	37,134	74,268	158,687	109,607	14·8	31·6	21·8
1870	5,087,826	35,263	70,526	164,572	118,359	13·9	32·3	23·3
1871	5,113,680	37,538	75,076	158,760	145,746†	14·7	31·0	28·5†
1872	5,175,037	40,084	80,168	167,377	120,129	15·5	32·3	23·2
1873	5,253,794	40,598	81,196	170,708	112,873	15·5	32·5	21·5
1874	5,336,634	40,328	80,656	173,978	109,595	15·1	32·0	20·5
1875	5,402,938	39,050	78,100	175,552	122,480	14·5	32·5	22·7
1876*	5,336,185	38,228	76,456	176,915	116,787	14·3	33·2	21·9
1877	5,412,731	36,964	73,928	175,077	114,269	13·7	32·3	21·1
1878	5,476,939	36,669	73,338	172,730	117,721	13·4	31·5	21·5
1879	5,536,854	37,421	74,842	174,641	121,060	13·5	31·5	21·9
1880*	5,520,009	38,926	77,852	171,864	123,323	14·1	31·1	22·3
1881	5,585,846	39,487	78,974	175,411	117,007	14·1	31·4	20·9
1882	5,655,197	39,214	78,428	176,345	114,298	13·9	31·2	20·2
1883	5,720,807	38,666	77,332	174,484	119,196	13·5	30·5	20·8
1884	5,784,953	39,205	78,410	176,721	121,070	13·5	30·5	20·9
1885	5,853,278	39,910	79,820	175,043	117,775	13·6	29·9	20·1
1886	5,909,975	39,642	79,284	175,091	124,904	13·4	29·6	21·1
1887	5,974,743	42,491	84,982	175,466	115,296	14·2	29·4	19·3
1888	6,030,043	42,427	84,854	175,586	121,097	14·2	29·1	20·1
1889	6,093,798	43,759	87,518	177,542	119,726	14·5	29·5	19·1
1890*	6,069,321	44,596	89,192	176,595	126,545	14·5	28·7	20·6
1891	6,136,444	45,449	90,898	181,917	128,786	14·8	29·6	21·0
1892	6,195,355	47,209	94,418	177,485	133,693	15·4	28·9	21·8
1893	6,262,272	47,065	94,130	183,062	125,530	15·2	29·5	20·3
1894	6,341,958	47,735	95,470	181,466	118,213	15·1	29·0	18·6
1895	6,410,783	49,712	99,424	183,015	125,148	15·5	28·5	19·5
1896	6,495,886	52,585	105,170	188,533	113,748	16·2	29·0	17·5
1897	6,586,593	54,198	108,396	190,987	113,586	16·4	29·0	17·2
1898	6,669,732	55,444	110,888	190,921	117,457	16·6	28·6	17·6
1899	6,744,532	55,765	111,530	194,268	126,963	16·5	28·8	18·8
1900*	6,693,548	57,711	115,422	193,789	129,046	17·2	28·9	19·3
1901	6,799,999	57,131	114,262	200,077	116,077	16·6	29·4	17·2
1902	6,896,079	56,157	112,314	195,871	119,330	16·3	28·4	17·3

\* Census year.

† Cholera prevailed in 1866, and small-pox in 1871.

TABLE 60.—FRANCE. Population, Marriages, Births, and Deaths, 1853-1902.

(Supplied by the Director of the Statistical Bureau of France.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MARRIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1853	36,070,000	280,609	561,218	936,967	795,607	15·6	26·0	22·0
1854	36,230,000	270,896	541,792	923,461	992,779†	15·0	25·5	27·4†
1855	36,080,000	283,335	566,670	902,336	937,942	15·7	25·0	26·0
1856*	36,190,000	284,401	568,802	952,116	837,082	15·7	26·3	23·1
1857	36,300,000	295,510	591,020	940,709	858,785	16·3	25·9	23·7
1858	36,340,000	307,056	614,112	969,343	874,186	16·9	26·7	24·1
1859	36,500,000	298,417	596,834	1,017,896	979,333	16·3	27·9	26·8
1860	36,510,000	288,936	577,872	956,875	781,635	15·8	26·2	21·4
1861*	37,390,000	305,203	610,406	1,005,078	866,597	16·3	26·9	23·2
1862	37,520,000	303,514	607,028	995,167	812,978	16·2	26·5	21·7
1863	37,710,000	301,376	602,752	1,012,794	846,917	16·0	26·9	22·5
1864	37,860,000	299,579	599,153	1,005,880	860,330	15·8	26·6	22·7
1865	38,020,000	299,242	598,484	1,005,753	921,887	15·7	26·5	24·3
1866*	38,080,000	303,634	607,268	1,006,258	884,573	16·0	26·4	23·2
1867	38,230,000	300,333	600,666	1,007,755	866,887	15·7	26·4	22·7
1868	38,330,000	301,225	602,450	984,140	922,038	15·7	25·7	24·1
1869	38,390,000	303,482	606,964	948,526	864,320	16·5	25·7	23·5
1870	38,440,000	223,705	447,410	943,515	1,046,909†	12·1	25·5	28·4†
1871	36,190,000	262,476	524,952	826,121	1,271,010†	14·5	22·9	35·1†
1872*	36,140,000	352,754	705,508	966,000	793,064	19·5	26·7	22·0
1873	36,340,000	321,238	642,476	946,364	844,588	17·7	26·0	23·3
1874	36,490,000	303,113	606,226	954,652	781,709	16·6	26·2	21·4
1875	36,660,000	300,427	600,854	950,975	845,062	16·4	25·9	23·0
1876*	36,830,000	291,393	582,786	966,682	834,074	15·8	26·2	22·6
1877	37,000,000	278,094	556,188	944,576	801,956	15·0	25·5	21·6
1878	37,180,000	279,580	559,160	937,317	839,176	15·0	25·2	22·5
1879	37,320,000	282,776	565,552	936,529	839,882	15·1	25·1	22·5
1880	37,450,000	279,046	558,092	920,177	858,237	14·9	24·6	22·9
1881*	37,590,000	282,079	564,158	937,057	828,828	15·0	24·9	22·0
1882	37,730,000	281,060	562,120	935,566	838,539	14·9	24·8	22·2
1883	37,860,000	284,519	569,038	937,944	841,141	15·0	24·8	22·2
1884	38,010,000	289,555	579,110	937,758	858,784	15·2	24·7	22·6
1885	38,110,000	283,170	566,340	924,558	836,897	14·9	24·3	22·0
1886*	38,230,000	283,208	566,416	912,838	860,222	14·8	23·9	22·5
1887	38,260,000	277,060	554,120	899,333	842,797	14·5	23·5	22·0
1888	38,290,000	276,848	553,696	882,639	837,867	14·4	23·1	21·9
1889	38,370,000	272,903	545,806	880,453	794,933	14·2	23·0	20·7
1890	38,380,000	269,332	538,664	838,059	876,505	14·0	21·8	22·8
1891*	38,350,000	285,458	570,916	866,377	876,882	14·9	22·6	22·9
1892	38,360,000	290,319	580,638	855,847	875,888	15·1	22·3	22·8
1893	38,380,000	287,294	574,588	874,672	867,526	14·9	22·8	22·5
1894	38,420,000	286,662	573,324	855,388	815,620	14·9	22·3	21·2
1895	38,460,000	282,915	565,830	834,173	851,986	14·7	21·7	22·2
1896*	38,520,000	290,171	580,342	865,586	771,886	15·1	22·5	20·0
1897	38,700,000	291,462	582,924	859,107	751,019	15·1	22·2	19·4
1898	38,810,000	287,179	574,358	843,933	810,073	14·8	21·8	20·9
1899	38,900,000	295,752	591,504	847,627	816,233	15·3	21·9	21·1
1900	38,900,000	299,084	598,168	827,297	853,285	15·5	21·4	21·9
1901*	38,960,000	303,469	606,938	857,274	784,876	15·6	22·0	20·1
1902	39,060,000	294,786	589,572	845,378	761,434	15·1	21·7	19·5

NOTE.—The numbers of marriages, births, and deaths in Alsace-Lorraine during the years 1869 and 1870 have been excluded from those shown in the table; and in the calculation of rates for these two years the population of Alsace-Lorraine has been subtracted from the total population. The deaths of Frenchmen abroad, civil or military, are registered in the books of the Commune in which they were last domiciled.

\* Census year.

† Cholera prevailed in 1854, and war raged in 1870 and 1871.

TABLE 61.—SPAIN. Population, Marriages, Births, and Deaths, 1861-1902.

(Supplied by the Director of the Statistical Department of Spain.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION at the beginning of each year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1861	15,673,481	130,731	261,462	611,609	417,764	16·7	39·0	26·7
1862	15,867,326	128,696	257,392	607,062	430,663	16·2	38·3	27·1
1863	16,043,725	124,176	248,352	598,141	461,661	15·5	37·3	28·8
1864	16,180,205	126,303	252,606	621,451	499,486	15·6	38·4	30·9
1865	16,302,170	128,917	257,834	614,913	538,580	15·8	37·7	33·0
1866	16,378,503	131,981	263,962	611,697	463,684	16·1	37·4	28·3
1867	16,526,516	118,409	236,818	617,536	487,151	14·3	37·4	29·5
1868	16,656,901	111,687	223,374	574,242	548,690	13·4	34·5	32·9
1869	16,682,453	137,120	274,240	596,696	550,560	16·4	35·8	33·0
1870	16,728,589	103,807	207,614	593,573	512,249	12·4	35·5	30·7
1871-7	—	—	—	—	—	—	—	—
1878	16,634,345	117,693	235,386	601,514	508,335	14·2	36·2	30·6
1879	16,727,524	110,740	221,480	601,085	511,514	13·2	35·9	30·6
1880	16,817,095	104,288	208,576	598,216	507,398	12·4	35·6	30·2
1881	16,907,913	107,866	215,732	629,640	511,856	12·8	37·2	30·3
1882	17,025,697	102,905	205,810	616,973	534,857	12·1	36·2	31·4
1883	17,107,813	106,171	212,342	610,676	559,614	12·4	35·7	32·7
1884	17,158,875	114,006	228,012	631,783	526,499	13·3	36·8	30·7
1885	—	110,244	220,488	628,999	657,734	—	—	—
1886	—	110,717	221,434	638,168	509,629	—	—	—
1887	—	95,959	191,918	631,808	573,448	—	—	—
1888*	17,565,632	98,679	197,358	640,154	529,543	11·2	36·4	30·2
1889	17,676,243	138,229	276,458	647,574	545,097	15·6	36·6	30·8
1890	17,778,720	141,839	283,678	615,531	577,525	16·0	34·6	32·5
1891	17,816,726	156,092	312,184	632,940	565,964	17·5	35·5	31·8
1892	17,883,702	151,416	302,832	645,368	554,274	16·9	36·1	31·0
1893	17,974,796	141,159	282,318	644,938	541,121	15·7	35·9	30·1
1894	18,078,613	141,909	283,818	632,538	556,120	15·7	35·0	30·7
1895	18,155,031	139,956	279,912	636,130	527,192	15·4	35·0	29·0
1896	18,263,969	132,645	265,290	654,796	539,145	14·5	35·9	29·5
1897	18,379,620	128,662	257,324	625,249	520,165	14·0	34·0	28·3
1898*	18,484,704	125,395	250,790	612,288	518,750	13·6	33·1	28·1
1899	18,578,242	156,113	312,226	632,588	533,109	16·8	34·1	28·7
1900	18,677,721	161,201	322,402	627,848	536,716	17·3	33·6	28·7
1901	18,768,853	157,794	315,588	650,649	517,575	16·8	34·7	27·6
1902	18,901,927	163,829	327,658	666,687	488,289	17·5	35·5	26·0

NOTE.—Statistics for the 7 years 1871-77 were not issued owing to the disturbed state of the country. The decline in registered marriages in 1870 is believed to be due to the introduction of civil registration in that year.

\* Census population; Census taken on 31st December in preceding year.

TABLE 62.—ITALY. Population, Marriages, Births, and Deaths, 1864-1902.

(Furnished by the Director of the Statistical Department of Italy.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in each Year. (See Note).	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. DEATHS. Exclusive of Still-born.	PERSONS MARRIED.	BIRTHS.	DEATHS.	
1864	24,780,977	198,759	397,518	938,795	737,136	16·0	37·9	29·8
1865	24,950,044	226,458	452,916	961,234	746,685	18·2	38·5	29·9
1866	25,119,111	142,024	284,048	980,200	733,190	11·3	39·0	29·2
1867	25,288,178	170,456	340,912	927,396	866,865	13·5	36·7	34·3
1868	25,457,246	182,743	365,486	900,416	777,224	14·4	35·4	30·5
1869	25,626,314	205,287	410,574	952,134	713,832	16·0	37·2	27·9
1870	25,795,382	188,986	377,972	951,495	773,169	14·7	36·9	30·0
1871*	25,964,450	192,839	385,678	960,020	778,798	14·9	37·0	30·0
1872	26,967,001	202,361	404,722	1,020,682	827,498	15·0	37·9	30·7
1873	27,132,848	214,906	429,812	985,188	813,973	15·8	36·3	30·0
1874	27,298,695	207,997	415,994	951,658	827,253	15·2	34·9	30·3
1875	27,464,542	230,486	460,972	1,035,377	843,161	16·8	37·7	30·7
1876	27,630,389	225,453	450,906	1,083,721	796,420	16·4	39·2	28·8
1877	27,796,236	214,972	429,944	1,029,037	787,817	15·5	37·0	28·3
1878	27,962,084	199,885	399,770	1,012,475	813,550	14·3	36·2	29·1
1879	28,127,932	213,096	426,192	1,064,153	836,682	15·2	37·8	29·8
1880	28,293,780	196,738	393,476	957,900	869,992	13·9	33·9	30·8
1881*	28,459,628	230,143	460,286	1,081,125	784,181	16·2	38·0	27·6
1882	28,563,773	224,041	448,082	1,061,094	787,326	15·7	37·1	27·6
1883	28,773,790	231,945	463,890	1,071,452	794,196	16·1	37·2	27·6
1884	28,984,382	239,513	479,026	1,130,741	780,361	16·5	39·0	26·9
1885	29,194,398	233,931	467,862	1,125,970	787,217	16·0	38·6	27·0
1886	29,404,414	233,310	466,620	1,086,960	844,603	15·9	37·0	28·7
1887	29,614,430	235,629	471,258	1,152,906	828,992	15·9	38·9	28·0
1888	29,825,022	236,883	473,766	1,119,563	820,431	15·9	37·5	27·5
1889	30,035,038	230,451	460,902	1,149,197	768,068	15·3	38·3	25·6
1890	30,245,054	221,972	443,944	1,083,103	795,911	14·7	35·8	26·3
1891	30,455,070	227,656	455,312	1,132,139	795,327	15·0	37·2	26·1
1892	30,665,662	228,572	457,144	1,110,573	802,779	14·9	36·2	26·2
1893	30,875,678	228,103	456,206	1,126,296	776,713	14·8	36·5	25·2
1894	31,085,694	231,581	463,162	1,102,935	776,372	14·9	35·5	25·0
1895	31,295,710	228,152	456,304	1,092,102	783,813	14·6	34·9	25·0
1896	31,506,302	222,603	445,206	1,095,505	758,129	14·1	34·8	24·1
1897	31,716,318	229,041	458,082	1,101,848	695,602	14·4	34·7	21·9
1898	31,926,334	219,597	439,194	1,070,074	732,265	13·8	33·5	22·9
1899	32,136,350	235,665	471,330	1,088,558	703,393	14·7	33·9	21·9
1900	32,346,366	232,631	465,262	1,067,376	768,917	14·4	33·0	23·8
1901*	32,475,253	234,819	469,638	1,057,763	715,036	14·5	32·6	22·0
1902	32,831,644	237,513	475,026	1,093,074	727,181	14·5	33·3	22·1

NOTE.—The numbers for Rome were first included with those for the Kingdom of Italy in 1872. The population figures for census years show the numbers enumerated on 31st December in 1871 and in 1881 and on 10th February, 1901; for the years subsequent to 1881 the population is estimated on the assumption that the rate of increase observed between 1881 and 1901 had been uniform throughout that period.

\* Census year.

TABLE 63.—ROUMANIA. **Population, Marriages, Births, and Deaths, 1876-1902.**

(Supplied by the Director of the Statistical Department of Roumania.)

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION in the middle of each Year.	MARRIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	MARRIAGES.	BIRTHS.	DEATHS.
1876	4,446,165	31,565	63,130	164,547	125,857	7·1	37·0	28·3
1877	4,479,813	29,312	58,624	158,790	133,381	6·5	35·4	29·7
1878	4,485,696	35,558	71,116	146,627	141,773	7·9	32·7	33·2
1879	4,529,568	46,484	92,968	167,852	132,219	10·2	37·1	29·2
1880	4,545,821	39,742	79,484	171,240	163,226	8·7	37·7	35·9
1881	4,622,674	42,067	84,134	192,004	123,390	9·1	41·2	28·6
1882	4,687,722	44,242	88,484	189,220	132,411	9·4	40·4	28·2
1883	4,776,193	47,207	94,414	204,301	124,069	9·8	42·8	26·0
1884	4,862,037	40,548	81,096	201,413	123,808	8·3	41·4	25·4
1885	4,960,043	39,586	79,172	213,581	123,814	7·9	43·1	25·0
1886	5,046,363	38,988	77,976	212,820	134,739	7·7	42·2	26·7
1887	5,108,406	38,961	77,922	209,573	155,769	7·6	41·0	30·5
1888	5,177,629	38,333	76,672	219,658	158,674	7·4	42·4	30·6
1889	5,256,221	41,122	82,244	213,222	142,869	7·8	40·6	27·2
1890	5,318,341	38,644	77,288	204,667	150,786	7·2	38·5	28·3
1891	5,392,576	44,267	88,534	228,283	162,287	8·2	42·3	30·1
1892	5,424,517	41,757	83,514	211,679	187,977	7·7	39·0	34·6
1893	5,485,739	40,527	81,054	222,115	169,132	7·3	40·5	30·3
1894	5,544,706	49,536	99,072	226,605	175,877	8·9	40·9	31·7
1895	5,635,434	41,482	82,964	238,191	155,702	7·3	42·3	27·6
1896	5,709,959	47,324	94,648	232,428	166,142	8·2	40·7	29·1
1897	5,795,235	41,608	83,216	248,845	171,808	7·1	42·9	29·6
1898	5,863,037	43,611	87,222	214,980	155,417	7·4	36·7	26·5
1899	5,956,690	50,033	100,066	250,318	164,900	8·4	42·0	27·7
1900	6,045,389	40,407	80,814	234,843	146,144	6·6	38·8	24·2
1901	6,125,742	43,750	87,500	240,704	160,351	7·1	39·3	26·2
1902	6,195,798	55,451	110,902	241,884	171,828	8·9	39·0	27·7