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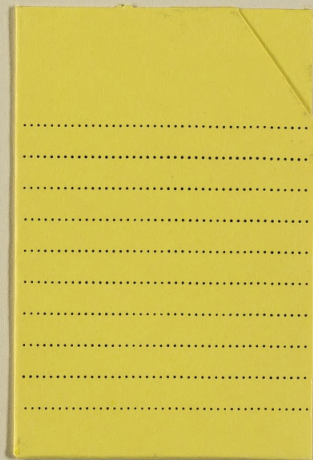
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FIFTY-SECOND
ANNUAL REPORT

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OF THE
REGISTRAR-GENERAL
OF
BIRTHS, DEATHS, AND MARRIAGES
IN ENGLAND.

(1889.)

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



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REPORT

TO

The Right Honourable CHARLES T. RITCHIE, M.P.,
President of the Local Government Board, &c. &c.

(1889.)

SIR,

I HAVE the honour to submit to you the following report on the births, marriages, and deaths registered in England and Wales in the year 1889.

POPULATION.

The population of England and Wales, as enumerated in April 1881, consisted of 25,974,439 persons. The natural increase, or the excess of births over deaths from that date to the middle of 1889 amounted to 3,067,314; so that the population at the later date, could its growth be determined simply by the balance between births and deaths, would have been 29,041,753. Emigration and immigration cannot, however, be disregarded in an estimate of the population; and, in the absence of sufficiently full information on these points, the estimated populations published in the Annual Reports are based on the assumption that the rate of increase which prevailed in the last intercensal period has since been maintained, a method which, it has been shown (see pp. v-vi of 50th Annual Report), is not likely to lead to serious error when so large an area as the entire country is dealt with.

The population, thus estimated, in the middle of the year 1889 was 29,015,613, consisting of 14,119,824 males and 14,895,789 females (Table 1). It is on this estimated population that the rates in this report have been calculated.

MARRIAGES.

The number of marriages registered in the year 1889 was 213,865, corresponding to a rate of 14.7 persons married per 1000 living. This is a higher rate than that in any year since 1884, when it was 15.0, declining to 14.4 in the following year, and to 14.1, the lowest on record, in 1886; while both in 1887 and 1888 the rate was 14.2. An examination of the rates in counties shows that the rise was general, excepting that in Berkshire, Dorsetshire, and Leicestershire the rate in 1889, as compared with that in the preceding year, was stationary, and that in Hertfordshire, Huntingdonshire, Norfolk, and Rutlandshire there was a slight decline. The rise was equal to 9.7 per cent. in Buckinghamshire, 11.2 in Derby, 13.0 in Herefordshire, 13.8 in Northumberland, 14.7 in Westmorland, 16.7 in Bedfordshire, and 17.7 in Monmouthshire. In London the improvement was very slight.

Continuing the comparison, which has been drawn in former reports, of the marriage-rate with the value of British exports and with the price of wheat, it is noteworthy that, though the marriage-rate and the mean

value of exports per head of population rose together, as is the general rule, the average price of wheat fell and was 6.5 per cent. under the low average price of the preceding year.

TABLE A.—MARRIAGE-RATE, BRITISH EXPORTS and IMPORTS, PRICE of WHEAT, and amount cleared at the London Bankers' Clearing House, 1860-89.*

YEARS.	Marriage-rate.	Value per Head of Population of United Kingdom.			Average Price of Wheat per Quarter.	Amount cleared at the Bankers' Clearing House per Head of Population.
		Exports of British Produce.	Imports.	Total Exports and Imports.		
Cols.	1.	2.	3.	4.	5.	6.
		£ s. d.	£ s. d.	£ s. d.	s. d.	£
1860	17.1	4 14 5	7 6 4	13 0 8	53 3	—
1861	16.3	4 6 4	7 10 1	13 0 3	55 4	—
1862	16.1	4 4 10	7 14 4	13 8 0	55 5	—
1863	16.8	4 19 6	8 8 11	15 2 7	44 9	—
1864	17.2	5 8 1	9 5 3	16 8 7	40 2	—
1865	17.5	5 10 10	9 1 2	16 7 5	41 10	—
1866	17.5	6 5 4	9 15 11	17 14 5	49 11	—
1867	16.5	5 19 0	9 1 0	16 9 6	64 5	—
1868	16.1	5 17 1	9 12 1	17 0 6	63 9	158
1869	15.9	6 2 8	9 10 9	17 3 9	48 2	162
1870	16.1	6 7 8	9 14 1	17 10 3	46 10	174
1871	16.7	7 1 5	10 9 10	19 9 6	56 8	210
1872	17.4	8 0 10	11 2 7	21 0 0	57 0	255
1873	17.6	7 18 7	11 10 10	21 4 2	58 8	264
1874	17.0	7 7 5	11 7 9	20 11 0	55 8	249
1875	16.7	6 16 2	11 7 10	19 19 4	45 2	235
1876	16.5	6 0 11	11 6 1	19 0 10	46 2	205
1877	15.7	5 18 6	11 15 0	19 5 5	56 9	203
1878	15.2	5 13 8	10 17 5	18 2 1	46 5	200
1879	14.4	5 11 9	10 11 9	17 16 10	43 10	195
1880	14.9	6 8 11	11 17 8	20 3 3	44 4	222
1881	15.1	6 14 0	11 7 4	19 17 5	45 4	243
1882	15.5	6 16 10	11 14 0	20 7 8	45 1	236
1883	15.4	6 14 8	11 19 9	20 11 3	41 7	221
1884	15.0	6 9 7	10 16 11	19 1 6	35 8	214
1885	14.4	5 17 3	10 4 3	17 13 7	32 10	200
1886	14.1	5 15 9	9 10 7	16 17 0	31 0	212
1887	14.2	5 19 5	9 15 5	17 6 10	32 6	215
1888	14.2	6 4 11	10 7 1	18 6 2	31 10	242
1889	14.7	6 11 2	11 6 1	19 12 6	29 9	263

* The figures in the marriage-rate column are not strictly comparable with those in the value columns, inasmuch as the former relate only to England and Wales, while the latter relate to the whole of the United Kingdom. The figures relating to exports and imports and to the price of wheat are derived from the Board of Trade Statistical Abstracts; and those showing the amount cleared at the London Bankers' Clearing House are calculated upon the population of England and Wales, and are derived from the same source.

Forms of Marriage.—Of the 213,865 marriages contracted in the year, 149,356, or 698 per 1000, were celebrated according to the rites of the Established Church, and 64,509, or 302 per 1000, otherwise. These proportions show a further development of the tendency, alluded to in former reports, for church marriages to decline, the proportion of such marriages in 1889 being the lowest yet recorded. The increase in the proportion of other marriages was principally, as usual, under the head of civil marriages in Superintendent Registrars' offices. The proportions of Roman Catholic marriages and those of other Christian denominations were the same in 1889 as in the preceding year, while there was again an increase in the proportion of marriages by Jewish rites (Table 5).

The proportion of marriages that are celebrated after publication of banns has remained very constant for some years, having fluctuated only between 628 and 652 per 1000 marriages of all kinds in the course of eight years. But when these marriages after banns are compared merely with the total of Church marriages, there is a manifest tendency to increase, this increase taking place at the expense of marriages by licence and marriages by Superintendent Registrar's certificate. The proportion rose steadily year by year from 870 per 1000 in 1880 to 906 per 1000 in 1889.

First marriages; Re-marriages.—The marriages of bachelors, spinsters, widowers, and widows in 1889 all show an increase as compared with the marriages of persons of these several conditions in the previous year; but while the proportionate numerical increase of bachelors who married was 5.4 per cent., and that of spinsters 5.2 per cent., the proportionate numerical increase of widowers who married was but 1.4 per cent., and that of widows 2.4 per cent. It will be seen in Table 7 that, of 1000 men who married in 1889, 885 were bachelors, and 115 were widowers; and, of 1000 women who married, 919 were spinsters and 81 widows. The proportions of widowers and widows show a still further decline.

Re-marriages of Divorced Persons.—The number of persons married in 1889 who were described in the register as having been previously divorced was 150, including 75 men and 75 women; the number of such persons married was smaller than in recent years, for in the preceding four years the numbers were 170, 163, 173, and 178 respectively. Of the 75 divorced men, 59 married spinsters, 14 married widows, and 2 married divorced women. Of the 75 divorced women, 62 married bachelors, 11 married widowers, and 2 married divorced men.

Ages at Marriage.—In 8,062, or 3.8 per cent., of the marriages, the ages of both contracting parties were not inserted in the register. In 1888 the proportion was 5.0 per cent., to which it had gradually fallen, as was stated in the last Report, from such high proportions as 40.6 in 1858 and 21.1 in 1878. The mean age of the 205,803 couples, whose ages were stated, was 28.23 years for men, and 25.95 years for women. As was pointed out in the Forty-eighth Report (pp. viii, ix) there has been since 1873, concurrently with a falling marriage-rate, a steady rise in the mean ages at marriage. In 1889, however, though there was an appreciable rise in the marriage-rate, this increase in the mean ages at marriage was arrested, for in the preceding year the mean age had been 28.29 years for men, and 25.97 years for women. There was a further decline in 1889 in the marriages of males under age, the proportion in 1,000 marriages being 61, while the proportion of females under age was 199, or the same as it was in 1888.

Signature in Marriage Register.—The men who in 1889 signed the marriage register with marks instead of writing their names were in the proportion of 78 in 1000, and the women in that of 90 in 1000; while in 27 out of 1000 marriages both husband and wife used that form of signature. With the progress of elementary education there has been a constant diminution in the proportion of both men and women signing with marks; and in 1889 the proportion, as compared with that for 1888, showed a reduction of 6.0 per cent. for men and of 7.2 per cent. for women.

Buildings registered for the Solemnisation of Marriages.—At the end of 1889 there were 14,966 Churches or Chapels belonging to the Established Church in which marriages could be solemnised, showing an increase of 43 upon the number at the end of the preceding year. There were also 10,335 buildings registered for marriage by other rites than those of the Established Church (Table 9), showing an increase of 219, or 2.2 per cent. upon the number on the register at the end of 1888.

Certified Places of Worship.—During the year 1889, 633 new buildings were certified for religious worship under the provisions of the Acts 15 & 16 Vict. c. 36, and 18 & 19 Vict. c. 81, while 151 buildings already certified were removed from the register by cancellation; the number of

buildings so certified on the register at the end of the year was 26,433. It is probable, however, that some of these are no longer used, though no steps have been taken to remove them from the register by cancellation.

BIRTHS.

The births registered in the year numbered 885,944, and were in the proportion of 30.5 to 1000 persons living. This is the lowest birth-rate recorded in any of the last 50 years, and a further step in the decline which has gone on continuously since 1876, when the birth-rate was 36.3, and at its maximum. (Table 2.)

The estimates of the living population in single counties, in a year so far removed from the last enumeration, are of course doubtful; but, accepting such estimates as correct, the rate varied from 24.7 in Rutlandshire, 24.8 in North Wales, 25.0 in Sussex, 26.1 in Herefordshire, and 26.9 in Surrey (extra-met.), to 33.2 in South Wales, 33.8 in Staffordshire, 33.9 in Durham, 35.0 in Essex, and 36.8 in Monmouthshire, most of the latter being mining counties, in which the birth-rate is almost invariably high. (Table 10.)

Sex.—The male births numbered 451,218, and the female births 434,726, the former being to the latter in the proportion of 1038 to 1000, which was also the proportion in the preceding decennium 1879-88.

Illegitimate Births.—The infants registered as born out of wedlock numbered 40,627, being in the proportion of 1.4 to 1000 of the population, and 46 to 1000 registered births; these proportions being the same as in the immediately preceding year, 1888, but otherwise the lowest on record. (Table 2). The registration counties in which the proportion of illegitimate to total births was highest were, as usual, Norfolk, Herefordshire, Shropshire, Cumberland, Westmorland, and North Wales. (Table 10.)

DEATHS.

The deaths registered in the year numbered 518,353, and were in the proportion of 17.9 to 1000 of the estimated population. In the next preceding year the proportion had been 17.8, and these two rates are by far the lowest as yet recorded, the next lowest having, moreover, been that of the immediately preceding year 1887, when the rate was 18.8. In each of the nine years of the current decennium the recorded rate has been under 20.0, whereas in no previous year had it ever fallen so low as that point. (Table 2.)

County death-rates.—It has been mentioned already that the estimates of the population of separate counties are not very trustworthy; accepting them, however, as accurate, the death-rate in every county in 1889 was below the previous decennial average, with the exceptions of Northumberland, and Westmorland; but varied from 13.7 in Sussex, 14.0 in Surrey (extra-met.), 14.3 in Berkshire, and 14.8 in Rutlandshire and Huntingdonshire, to 19.1 in Durham, 19.3 in South Wales, 19.4 in the West Riding, 20.3 in Monmouthshire, 20.9 in Northumberland, and 21.0 in Lancashire, the geographical distribution of low and high rates being much the same as in the previous decennium. (Table 10.)

Sex.—The 518,353 registered deaths included 266,102 of males and 252,251 of females. The death-rate of males was 18.8, and that of females 16.9 per 1000 living of the corresponding sex, showing declines respectively of 8.3 and of 7.7 per cent. from the average rates in the preceding ten years.

Out of equal numbers living there were 1113 deaths of males to 1000 deaths of females, a difference somewhat below that of the previous decennial average, which gave 1119 male to 1000 female deaths.

Ages at Death.—In Tables 11-13 are given the death-rates at different ages for each sex; and it will be there seen that at every age-period from 5 to 45 years the rate both for males and for females was the lowest on record in the past half-century, though this was not the case for the remaining age-periods, namely, among children under five and persons over 45 years of age; yet even at these ages the rates were considerably below the averages of recent years. As has been pointed out in previous reports, the diminution of mortality, attributable to sanitary measures, has been much more marked in the earlier stages of life than among older persons.

The proportion of deaths of infants in the first year of life to registered births, or the infantile mortality, was 144 to 1000, and slightly above the previous decennial average which had been 141 to 1000.

(Of the total 127,198 deaths of infants, 61,202 were in the first three months, 26,024 in the second three months, and the remaining 39,972 in the last six months of the first year of life. These figures, taken in connection with the registered births, give annual death-rates of 286 per thousand living under three months of age, 128 per thousand under six but over three months, and of 103 per thousand for infants between six months and a year. These rates are slightly higher than those obtained from the births and deaths in the total nine years of the current decennium 1881-89), which show respectively 282, 123, and 101 per thousand living at each age.

The infantile mortality varies enormously in different counties; being, as might be anticipated, highest in those in which the population is in large proportion urban and industrial. Of these, Lancashire and Leicestershire may be taken as examples, these being the two counties in which the infantile death-rate was highest both in 1889 and in the decennial period 1879-88; and with these may be contrasted the mainly rural counties in the South-Eastern and the South-Western Divisions (Table 10). The annual mortality in 1889 in these several areas for infants in the several subdivisions of the first year of life was as shown in the following Table:—

TABLE B.—ANNUAL DEATHS per thousand living at each Age, 1889.

Area.	0-3 Months.	3-6 Months.	6-12 Months.
England and Wales - - -	286	128	103
Leicestershire - - -	338	180	118
Lancashire - - -	321	162	140
South-Eastern Division -	227	89	68
South-Western Division -	233	90	76

From these figures it would appear that while the conditions of life in the manufacturing counties are highly unfavourable to infants at all periods in their first year, the destructive influences are much more intensely active after the first three months are past than in that earlier period; for while the rates in the two manufacturing counties, as shown in the table, are only about 50 per cent. higher than the rates in the two rural divisions for infants under three months of age, they are from 80 to 100 per cent. higher for infants between three and six months. It may, however, not be that the smaller difference in the rates of the first three months is in part due to the practice of dealing with infants who have been born alive, but have died almost immediately after birth, as though

they had been still-born, being more common in towns than in rural districts.

Among the deaths were 76 of reputed centenarians, 21 being men and 55 being women.

Urban and Rural mortality.—It has been shown that the death-rate for England and Wales rose slightly in 1889 above the rate of the preceding year. This rise was entirely brought about by an increased mortality in the Urban Districts, in which the rate rose from 18.4 to 18.6, while in the Rural Districts there was a slight decline, the rate falling from 16.7 to 16.5 (Table 24). Out of equal numbers living there were 113 deaths in the urban population to 100 in the rural population.

REGISTERED CAUSES OF DEATH.

The assigned causes of death were distributed as follows in the several classes:—

TABLE C.—MORTALITY FROM THE SEVERAL CLASSES OF DISEASES.

Causes of Death.	Total Deaths 1889.	Rate per Million living.									
		1889.	1888.	1887.	1886.	1885.	1884.	1883.	1882.	1881.	Mean 1871-80.
Zymotic diseases - -	69,776	2,405	2,097	2,660	2,648	2,507	3,094	2,639	3,088	2,660	3,724
Parasitic diseases - -	707	25	25	29	35	30	38	39	37	39	57
Dietetic diseases - -	1,893	66	62	63	59	59	58	66	68	66	63
Constitutional diseases -	91,667	3,158	3,111	3,166	3,330	3,276	3,404	3,407	3,395	3,328	3,594
Developmental diseases -	44,099	1,520	1,543	1,555	1,618	1,598	1,574	1,632	1,558	1,582	1,674
Local diseases - -	267,243	9,212	9,479	9,720	9,915	9,908	9,543	9,890	9,591	9,348	9,920
Violence - -	17,497	603	611	642	626	625	651	675	669	697	736
Ill-defined and not specified causes - -	25,466	876	871	955	1,047	1,007	1,149	1,188	1,154	1,160	1,610
All causes - -	518,353	17,865	17,799	18,790	19,278	19,010	19,511	19,536	19,560	18,880	21,378

Zymotic or Specific Febrile Diseases.—The deaths ascribed to this class of specially preventable diseases numbered 69,776, and were in the proportion of 2405 to a million persons living. This rate, though considerably above the excessively low rate of the immediately preceding year, was lower than that of any other year in the current decennium, and no less than 35 per cent. below the mean of the 10 years 1871-80. The excess in 1889, as compared with the immediately preceding year, was due to the greater mortality under two headings, namely, measles and diarrhoea, the latter of which had been in 1888 at its minimum and the former exceptionally low.

The deaths from *small-pox* amounted to the unprecedentedly low number of 23, and were less than one-tenth of the smallest number recorded in any previous year. There were, however, 83 deaths ascribed to chicken-pox, and it is very probable that most of these were in reality cases of modified small-pox, true chicken-pox being an ailment that is rarely, if ever, fatal.

The deaths from *measles* numbered 14,732, and were in the proportion of 508 to a million living. This rate, though lower than that of 1885 or 1887, was higher than that recorded in any other year since 1874. It is noteworthy that while the mortality from most diseases has in late years shown a large decrease, the mortality from measles has on the other hand in three of the past five years, viz.:—1885, 1887, 1889, been in great excess. It was in London and in the counties of the Northern, the York, and the

North-western Divisions that the mortality under this heading was highest, namely, in Cheshire, Lancashire, the West and East Ridings, Durham, and Cumberland (Table 23); but the rate was also in excess in Oxfordshire, Herefordshire, and Staffordshire.

The deaths from *scarlet-fever* numbered 6698, and were in the proportion of 231 to a million living, the remarkable falling off in recent years in the mortality from this disease having thus been fully maintained. In no one of the last five years, 1885-89, did the scarlet-fever rate reach 300 per million, the average for the quinquennium being only 235, whereas in no previous year since 1855, when the mortality from this disease was first separately calculated, had the rate ever fallen so low as 400 per million, save in 1884, when it just reached that point. (Table 18.) Speaking generally, the highest rates under this heading were, as usual, in the counties of the North Midland, North Western, York, and Northern Divisions, and in South Wales (Table 23); but the mortality was also high in some of the more southern counties, and notably in Devonshire, where it reached 633 per million, mainly owing to a serious outbreak in Plymouth, in which borough the rate was no less than 3399 per million.

The deaths ascribed to *typhus* were only 137, and absolutely, as well as relatively to the population, fewer than in any preceding year in our records. The same was true of the deaths from *simple and ill-defined forms of fever*, which numbered 413.

The deaths ascribed to *diphtheria* numbered 5368, or 185 to a million living. The rate was also 185 in 1884, but with this exception there is no year since 1865 with so high a recorded mortality from this disease. (Table 18.) It was, as usual, in the South Eastern parts of England that this disease was most fatal; for of the eight registration counties in which the rate was above the average for the whole country, no less than six were in what has been designated in previous reports as the South Eastern diphtheritic region, these six being London, Kent (extra-metropolitan), Middlesex (extra-metropolitan), Essex, Sussex, and Berkshire, while of the counties in the Western diphtheritic region the only one with excessive mortality was, as had also been the case in 1888, Monmouthshire; the remaining and eighth county with a high rate being, again as in 1888, Lancashire. In considering the increase in the registered mortality from diphtheria, the remarks made in the last Annual Report (p. xxiv.) as to the vagueness with which this term is used, and the probable interchange between the headings Diphtheria and Croup, must not be forgotten. For while the deaths ascribed to diphtheria have increased, those ascribed to croup have diminished, though not in equal degree.

To *whooping-cough* were attributed 12,225 deaths, or 421 per million living, which was considerably below the average rate in the preceding decennium, which had been 461 (Table 23). This doubtlessly stands in connection with the decline in the mortality from diseases of the respiratory system, which, as will be presently seen, was almost at the lowest point yet recorded.

On the other hand the deaths from *enteric fever*, 5011 in number, or 173 to a million living, were, relatively to the population, somewhat more numerous than they had been in 1888, and equal to what they had been in 1885. Disregarding, however, these casual fluctuations, the fact remains that the rates in the past five years, 1885-89, were the five lowest rates in our records, and that the average in that quinquennium was only 176, though the lowest rate recorded in any one previous year had been 212 per million.

Taking the three headings under which continued fevers are tabulated together, the aggregate rate was below 100 per million in Berkshire, Hertfordshire, Wiltshire, Herefordshire, Rutlandshire, and Westmorland, all of which are rural counties, while it varied from 203 up to 308 per million in

Huntingdonshire, Norfolk, Dorsetshire, Leicestershire, Nottinghamshire, Cheshire, Lancashire, West and East Ridings, Durham, Northumberland, and South Wales, most of which contain a large proportion of mining or manufacturing population.

The deaths from *diarrhœa*, including *dysentery*, numbered 18,434, and were in the proportion of 635 to a million living. This rate was very considerably above that of the immediately preceding year, which was the lowest recorded for forty years, but was below the average of the preceding decennium, which had been 694. The mortality did not exceed 282 per million in Surrey (extra-metropolitan), Huntingdonshire, Wiltshire, Dorsetshire, Herefordshire, Rutlandshire, Westmorland, and North Wales, while it varied from 909 to 1025 per million in Warwickshire, Leicestershire, Lancashire, East Riding, and Durham (Table 20).

Puerperal Fever.—The deaths attributed to this cause were 1852, and, adding to these 1733 deaths from the other accidents of childbirth, we have a total of 3585 deaths directly ascribed to parturition. This was in the proportion of 4.05 deaths to 1000 registered births, a rate considerably below the previous decennial average, which had been 4.62. (Table 23.)

The mortality from *puerperal fever* stands in close relation with the mortality from *erysipelas*, the two showing a great tendency to rise or fall together, as will be seen if the figures for a succession of years, as given in Table 15, be carefully examined. In 1889 the deaths ascribed to puerperal fever were fewer than in any earlier year of the current decennium, and the same was the case with the deaths from *erysipelas*, which only amounted to 1209, whereas the average for the preceding eight years 1881-8 had been 2008. The correspondence in rise and fall between the mortality from puerperal fever and the mortality from *erysipelas* is closer when the deaths from this latter in the first three months of life are alone taken than when the mortality at all ages is the basis of comparison, from which it may be inferred with much probability that the same poisonous agency which affects young infants and produces *erysipelas*, possibly by way of the unhealed umbilical cord, also affects the recently delivered mother and results in puerperal fever.

Hydrophobia.—The deaths from this disease numbered 30, and exceeded the registered number in any one of the five next preceding years, with the exception of 1885, when no less than 60 deaths were thus caused. (Table 15.) It was pointed out in the last Annual Report that the returns for the twenty years 1869-88 lead to the conclusion that there are in this country two centres of hydrophobia in man and of rabies in animals, one of which is Lancashire, with radiation into Cheshire and the West Riding, while the other is London, with radiation into the surrounding belt of counties (Fifty-first Annual Report, pp. xiii-xv). The distribution of the deaths in 1889 harmonises with that conclusion, for of the total 30 no less than 15 were registered in Lancashire, West Riding, and Cheshire, while 7 were registered in London itself, and 5 more in the counties into which the disease was described as radiating from the metropolis, namely, 1 in Middlesex (extra-metropolitan), and 2 each in Berkshire and Hampshire. Thus 27 out of the 30 deaths occurred in one or other of the two usual areas, leaving only 3 in the rest of England, namely 1 each in Northamptonshire, Shropshire, and Worcestershire.

Parasitic Diseases.—The great bulk of the deaths in this class are deaths of infants ascribed to "thrush." Gradually the use of this inadequate term as a cause of death has diminished, and consequently there has been a decline in the registered mortality from these diseases. The mortality in 1889 was the same as it had been in 1888, and these two years are those in which it was at its lowest.

Dietetic Diseases.—The main heading in this class is intemperance. To this cause 1566 deaths, 998 being of men and 568 of women, were attributed; a number higher both actually and relatively to the population than in any previous year in our records. (Tables 15 and 16.) Possibly this fact stands in connection with the great and unexpected increase that was shown by the Chancellor of the Exchequer to have occurred in the consumption of spirits in 1889. In addition to the deaths directly ascribed to intemperance, there were 190 others among the deaths from accident in which it was stated that the deceased was drunk when the accident occurred (pp. 196, 199).

Constitutional Diseases.—The deaths in this class numbered 91,667, being in the proportion of 3158 to a million persons living; a rate scarcely different from those of the two next preceding years, but considerably lower than the previous average.

There was a considerable falling off in the mortality from *rheumatic fever*, which was at the lowest point yet reached; and though the mortality from *phthisis* was not lower in proportion to the population than it had been in the immediately preceding year 1888, it was with this exception at its minimum. The mortality from *diabetes* has long been increasing year by year, but in 1889 there was a slight decline, the rate falling from 62 per million in the two years 1887 and 1888 to 60. It was still, however, higher than in any earlier year with these two exceptions.

The deaths ascribed to cancer, using that term as a general designation for all malignant new growths, were 18,654 and in the proportion of 643 to a million persons living; showing a further increase upon the ever growing rates previously recorded. (Table 16.) Some of this increase is most certainly attributable to increased accuracy in statement of cause, and to the system introduced some years back into this office of writing for further information in cases where some vague cause, such as "tumour," has been given as the cause of death in the original certificate; a system which added, for instance, in the year 1889 no less than 421 deaths to the heading Cancer. Nevertheless, in face of the constant and great growth of mortality under this heading, and the expressed belief of medical practitioners specially engaged in dealing with this class of diseases that they are really becoming more and more common, it seems scarcely possible to maintain the optimistic view that the whole of the apparent increase can be thus explained; and it must be admitted, as at any rate highly probable, that a real increase is taking place in the frequency of these malignant affections.

To what causes such increase may be due is a question outside a purely statistical report; but it may be pointed out that if it be true, as appears to be the general though not the universal opinion of medical experts, that the development of new growths is often due to a constitutional and inheritable tendency, and if, as undoubtedly is the case, such development does not as a rule manifest itself till after the usual age of marriage and of parturition, it must follow as a necessary arithmetical consequence that the tendency shall spread wider and wider among the population. In the case of a disease such as tubercular phthisis, which in a large proportion of cases manifests itself before the age of marriage, there will be at any rate to a certain extent a constant, if an insufficient, weeding out from the candidates for matrimony of those who are most seriously liable to this disease; but in the case of cancer there will be no such preservative influence, and so long as persons with this inherited tendency marry practically without let or hindrance of any kind, there must, as already said, be a constantly growing proportion of the population that shares in the constitutional defect.

Whether it be really the case that the tendency to neoplastic growths is inheritable is a question on which it is not intended here to enter, our

death-registers not furnishing the requisite data for its examination; but it may be pointed out that neither a very considerable proportion of cases with a family history of similar disease, nor even a considerable proportion of cases with a history of such affliction among the direct progenitors, is of itself sufficient evidence of inheritance. For seeing that one out of 21 males, and one out of 12 women, who reach the age of 35, die eventually of cancerous disease, it follows by the law of probabilities that on an average in one of three cases either a parent or a grand-parent will have died of such an affection, supposing such parents and grand-parents to have died after 35 years of age; and the proportion will be still higher if the circle of relatives be extended so as to include not only these direct progenitors but collateral relatives such as uncles and aunts. For supposing a person to have had besides his six parents and grand-parents only four such collateral relatives, say two uncles and two aunts, it will be an even chance that one or more of these ten persons, half of each sex, will have died of malignant new growth, supposing as before that they have died after their 35th year.*

It is true that the rates from which these arithmetical conclusions are drawn are the rates for the three years 1886-7-8, and that as the proportion of deaths from cancer to deaths from all causes has been constantly increasing, the chances of succumbing to it were not quite so great for our parents and grand-parents as for the present generation; and some deduction would in strictness have to be made on this account. Still it is manifest that, after all due allowance for this, the proportion of cases with a family history of cancer would have to be very high indeed before such proportion could be properly quoted as evidence of inheritance.

In view of the apparent, and probably in part real, increase of malignant new growths, it is desirable to ascertain what light can be thrown by our death registers upon the question whether such increase has been shared equally by both sexes, and by all ages, and all parts of the body.

As regards sex, it has been noted in previous reports (*see* 47th Report, p. xviii.) that the increase has been much greater among males than among females. Thus, in 1851-60, the annual registered mortality from cancer was 195 per million living for males and 434 per million for females; but in 1871-80 the rates had risen respectively to 315 and 622 per million, a rise of 62 per cent. in the male rate, but of only 43 per cent. in the female rate.

As regards age, the following figures for the same two decennia show that the increase has been by no means equally distributed over all the

* On the basis of the figures for 1887-8-9, the chance that a man who reaches the age 35 will eventually die of cancer is 1 in 21, and the chance that a woman who reaches the same age will eventually die of cancer is 1 in 12. Taking these proportions, excluding all persons who die before the end of their 35th year, and assuming no heredity, the following table shows how often no death, or one, two, three, &c. deaths from cancer may be expected to occur in 100 families, half the members of which are men and half women:—

Number of Cancer Deaths in Family.	Per 100 Families.		
	Of Six Members, viz. :— 3 Men, 3 Women.	Of Eight Members, viz. :— 4 Men, 4 Women.	Of Ten Members, viz. :— 5 Men, 5 Women.
None	67	58	51
One	28	33	36
Two	5	8	11
Three or more		1	2
	100	100	100

periods of life, but has been greater and greater, with much regularity, the more advanced the age. Thus, among children under 15, the rates show a decline; from 15 to 25 they remain stationary; and then increase progressively with each successive advance of age.

TABLE D.—MEAN ANNUAL MORTALITY FROM CANCER per MILLION PERSONS LIVING at successive AGE-PERIODS in 1851-60 and in 1871-80.

—	0-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75 and upwards.
1851-60	22	9	9	17	28	103	389	860	1410	1960	2083
1871-80	13	7	8	17	28	125	530	1263	2214	3116	3383
Rate 1871-80 to rate } 1851-60 taken as 100 - }	59	78	89	100	100	121	136	147	157	159	160

It remains to consider whether the increased mortality from malignant growths has been shared by all parts of the body. Unfortunately the statements of cause in the death certificates given by medical men are, in a large proportion of cases, inadequate to furnish a secure foundation for trustworthy statistical conclusions; and it is probable that the records of hospitals specially concerned with malignant growths, if scantier in amount than our official death-registers, would make up for such quantitative inferiority by their better quality, and would furnish a more satisfactory basis for scientific inquiry. In a large proportion of deaths ascribed to malignant disease, the part of the body which was the seat of the new growth is not stated in the certificate; often, when it is stated, it is stated in such general terms as to be useless for pathological classification, and rarely, if ever, is the information given whether the organ was the primary seat of the disease, or only secondarily affected. Under these circumstances it would be a waste of labour and of money to abstract year by year, as has been proposed, the deaths from these diseases by the parts of the body in which they were located; and the most that can be done, with reasonable consideration of cost, is from time to time to take out a sufficiently large sample of those cases in which the seat of disease is more or less clearly specified; and, assuming that such samples fairly represent the bulk, to divide out the total cancer mortality in proportions derived from them. That is the method by which the figures in the following table (Table E.) have been obtained. The sample extracted from the registers of 1868 consisted of 3164 deaths, 1018 being of males and 2146 being of females; while the sample for 1888 consisted of 7931 deaths, namely 2854 of males and 5077 of females. The parts stated to have been affected have been grouped so far as the imperfect description allowed, in some cases the most probable place of classification being adopted; but in many cases even probability fails as a guide, and such parts have not been classified at all. (*See* page xvi.)

The figures show in the first place, that, though cancers or new growths are vastly more common among women than among men, yet this excess is entirely due to the great liability of the female generative organs and breast to be thus affected, and that when these organs, and those which are especially likely to be secondarily affected from them, or, in the absence of a post-mortem examination, to be confounded with them, are excluded, the excess is invariably on the side of the male sex.

The organs other than generative or mammary in which the female rate exceeds the male are the axilla and the ribs and sternum, probably secondarily affected from the breast; the liver and peritoneum, probably secondarily affected from the uterus or ovaries; the intestines (not rectum) and the parts vaguely described as abdominal, probably either secondarily

TABLE E.—MORTALITY FROM CANCER in the SEVERAL PARTS of the BODY, 1868 and 1888.

SEAT OF DISEASE.	Per 1000 Deaths from Cancer.*				Annual Death-rate per Million living, 35 Years of Age and upwards.			
	1868.		1888.		1868.		1888.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
I.—Bones and Locomotive Apparatus, including Joints and Muscles.								
Shoulder	1	—	3	1	0·79	—	4·08	1·85
Arms, Legs, Hands, Feet	21	10	20	6	16·54	15·93	28·55	13·84
Hip	1	0	0	0	0·79	0·76	0·51	0·46
Skull	1	1	1	0	0·79	1·52	2·04	0·92
Ribs, Sternum	—	0	0	1	—	0·76	0·51	1·85
Spine	3	1	2	1	2·36	2·28	3·06	2·31
Jaw	17	7	29	6	13·39	10·62	42·82	13·38
II.—Nervous System.								
Brain	5	4	3	2	3·94	6·07	3·57	4·61
III.—Organs of Sense.								
Eye	13	5	7	3	10·24	7·59	9·69	6·46
Ear	2	0	2	—	1·58	0·76	3·06	—
IV.—Digestive System.								
Parotid	3	—	2	1	2·36	—	2·55	1·38
Mouth	22	4	19	2	18·12	6·83	28·04	5·08
Tongue	58	11	53	5	46·49	17·45	77·49	12·46
Pharynx, Fauces, Tonsils, Throat	25	10	19	7	20·49	16·69	29·57	15·22
Esophagus	18	7	49	13	14·18	12·14	71·37	31·37
Stomach, Pylorus	353	119	240	119	283·65	193·45	346·15	277·75
Intestines	40	21	66	53	32·30	33·88	96·35	124·57
Rectum	78	37	89	43	63·82	59·93	128·98	112·12
Liver, Gall-bladder	120	64	149	127	96·13	103·93	215·13	298·51
Pancreas	3	3	9	5	2·36	5·31	12·74	11·07
Peritoneum, Omentum	5	7	4	9	3·94	11·37	6·12	20·76
V.—Respiratory and Circulatory System.								
Larynx, Trachea	3	0	19	5	2·36	0·76	27·02	12·00
Lungs	7	7	12	7	5·52	10·62	17·84	16·61
Pleura	—	—	0	—	—	—	0·51	—
Heart	—	3	—	1	—	4·55	—	2·77
VI.—Lymphatic System.								
Neck	18	6	29	7	14·18	9·10	41·80	17·07
Axilla	2	2	1	2	1·58	3·03	1·53	4·61
Groin	4	2	3	2	3·15	3·79	4·59	4·61
Lymphatic Glands	6	1	4	1	4·73	2·28	5·10	3·23
Mediastinum	2	0	5	2	1·58	0·76	7·65	4·61
VII.—So-called Blood Glands.								
Spleen	5	3	2	1	3·94	4·55	3·06	3·23
Thyroid	1	1	2	2	0·79	1·52	2·55	4·15
VIII.—Urinary System.								
Kidney	5	2	12	7	3·94	3·03	17·33	15·69
Bladder, Urethra	21	6	31	8	16·55	9·10	44·86	17·9
Prostate	6	0	7	—	4·73	—	10·71	—
IX.—Generative System.								
Penis, Testes, Scrotum	20	—	16	—	15·76	—	23·96	—
Breast	2	242	2	183	1·58	394·48	3·06	428·16
Uterus, Ovary, Vagina, Vulva	—	380	—	314	—	617·53	—	737·29
X.—Cutaneous System.								
Scalp	—	—	1	1	—	—	1·53	1·38
Face	57	13	29	10	45·70	20·48	42·82	22·61
Nose	6	2	2	1	4·73	3·79	2·55	1·85
Lip	22	0	20	1	18·12	0·76	28·55	2·31
Skin (part not stated)	—	—	0	0	—	—	0·51	0·46
XI.—Not Classifiable.								
Back	2	—	2	1	1·58	—	3·06	1·85
Side, Loins	2	—	—	0	1·58	—	—	0·46
Head	1	1	1	0	0·79	1·52	1·02	0·92
Pelvis	—	—	3	5	—	—	4·59	12·00
Abdomen	15	17	27	28	11·82	27·31	39·76	65·98
Viscera	—	—	0	—	—	—	0·51	—
Thorax	4	1	4	2	3·15	2·28	6·12	4·61

* A dash in these four columns means that no death was registered; a cypher that deaths occurred, but less than one in 1,000.

affected from the generative organs or confounded with them; after which are left, even in this minutely divided list, only such trivial exceptions as the brain, the pancreas, the groin, the spleen, the heart, the thyroid, showing each in very small, and therefore not very trustworthy, figures, an excess on the female side. It is, however, noteworthy that small as the figures are, under most of these exceptional headings the female rate was in excess both in 1868 and 1888. Such was the case with the thyroid, the brain, the groin, and the heart. Disregarding such exceptions, under all the other headings the male exceeds the female mortality; but the parts in which such excess is most notable are the lip, the mouth, and the tongue; for, putting these three together, the male mortality in 1888 was 134, while the female mortality was only 20, per million living over 35 years of age, the male rate being thus nearly seven times greater than the female. The rates, it should be observed, have been calculated only for persons 35 years of age or upwards, the object being to equalise in some degree the age-distribution of the two sexes, and so give greater trustworthiness to comparison of their respective mortalities.

As regards the parts of the body which have suffered from the increase in the registered amount of malignant disease, it would appear from the figures in the table that, with exceptions so trivial that they may be disregarded, the increase has been shared by all parts, though by no means in equal proportions. When the rate of mortality from disease in any specified organ is very small, no great importance can of course be attached to the amount of its apparent increase or decrease, for the addition of one or two cases to the total deaths might double the calculated mortality. We must, therefore, in considering the individual organs, limit ourselves to those in which malignant new growths are of tolerably frequent occurrence, let us say those which gave a mortality in 1868 of not less than 15 per million. There were 12 such for males, and under every one of these, with the single exception of the face, there was a notable increase, varying from 20 to 200 per cent. Among women there were 11 organs that gave severally in 1868 mortalities of more than 15 per million; of these, eight showed more or less increase in 1888, while in three there was a decrease.

The following are the exact increases or decreases per cent. for each of these organs, in each sex, the figures being put in brackets when the rates did not reach 15 per million in 1868 in one or the other sex:—

Parts affected.	Men.	Women.
Arms, Legs, Hands, Feet	+ 73	- 13
Mouth	+ 55	(- 26)
Tongue	+ 67	- 29
Pharynx, Fauces, Tonsils, Throat	+ 44	- 9
Stomach, Pylorus	+ 22	+ 44
Intestines	+ 198	+ 273
Rectum	+ 102	+ 87
Liver, Gall Bladder	+ 124	+ 187
Bladder, Urethra	+ 171	(+ 98)
Penis, Testes, Scrotum	+ 52	—
Breast	(+ 94)	+ 9
Uterus, Ovary, &c.	—	+ 19
Lip	+ 58	(+ 204)
Face	- 6	+ 10
Abdomen (not more closely specified)	+ 236	+ 142

It thus appears that the increase has been comparatively slight in those organs which are the commonest seats of malignant growths, namely, the generative and mammary organs of women, and has been largest, and this

for both sexes, in the organs of the digestive and the urinary systems, and notably in the intestines, rectum, liver, and urinary bladder. Among men there has also been a large increase in disease of what may be called the upper organs of the digestive system, namely, the mouth, the tongue, the pharynx and the fauces, while among women there has been no such increase, but on the contrary a falling off.

Developmental Diseases.—The deaths attributed to *old age* have for some years been declining in number, doubtlessly in consequence of the more precise designation of the causes of death of old persons; this decline continued in 1889, and the registered mortality under this heading was at its minimum. On the other hand, the deaths ascribed to *premature birth*, which, as has been several times pointed out in previous reports, have been for a long series of years becoming more and more numerous in proportion to the registered births, showed a further increase in 1889, having risen progressively from 11.19 per 1000 births in 1861–5 to 16.29 in 1889.

Local Diseases.—The 267,243 deaths included in this heterogeneous class were fewer in proportion to the population than in any previous year of the current decennium or than the average in the preceding decennium. The mortality from *diseases both of the nervous system and of the respiratory organs* was lower than in any year since 1872; the mortality from *diseases of the urinary system*, though still high, was slightly below that of any one of the last six years; while the mortality from *diseases of the liver* was at its minimum.

Violence.—The deaths ascribed to some or other form of violence numbered 17,497, and were in the proportion of 603 to a million living. The mortality from *accident*, as also the mortality from *homicide*, was almost identical with that of 1888, but lower than in any earlier year. The death-rate from *suicide* also, which had been abnormally high in each of the three years 1886–7–8, fell considerably in 1889. There were still, however, 2170 persons, namely, 1626 men and 544 women, who were found on inquest to have destroyed themselves. Twelve men were executed during the year, while 172 persons were found to have been murdered. Of these 172 persons, 74 were infants under one year of age, 61 of these being in the first month of life.

Ill-defined and Not-specified Causes.—The deaths for which either no cause was assigned, or in which the cause was too ill-defined for classification, numbered 25,466, or 4.9 per cent. of all the deaths registered; the proportion had been the same in the immediately preceding year, 1888. These unsatisfactorily-described deaths would have been still more numerous had not 3175 letters of inquiry concerning doubtful cases been sent to medical men; the result of which was to add materially to the numbers under some special headings. For instance, 405 deaths were by this process removed from the vague heading Tumour to Cancer or Malignant Disease; 146 to Uterine or Ovarian Disease, and 41 to Syphilis.

Certification of the Causes of Death.—Of the 518,353 deaths registered during the year 1889, the causes of 474,174, or of 91.5 per cent., were certified by registered medical practitioners; and the causes of 29,079, or of 5.6 per cent. were certified by coroners after inquest. The causes of the remaining 15,100 deaths, or of 2.9 per cent., were not certified, this per-centage showing a further step in the decline in the proportion of uncertified deaths which has been manifested in recent years. It must not be supposed that all these 15,100 deaths were of persons unattended in their last illnesses by medical men. For many of them—especially in mining

districts—would have been attended by unregistered medical practitioners, acting as assistants to registered practitioners or otherwise; and a further considerable number would be of children who died very shortly after birth, and for the few hours of their life were in the care of registered midwives. The proportions of uncertified deaths in 1889 varied much as in other years in different counties; the lowest proportions per cent. in English counties being 0.7 in Middlesex (extra-metropolitan), 0.9 in Wiltshire, 1.1 in London and in Monmouthshire; while the highest were 4.1 in Kent (extra-metropolitan) and in Derbyshire, 4.3 in Bedfordshire, 4.4 in Westmorland, 4.5 in Durham, 4.7 in Herefordshire, and 5.6 in Huntingdonshire. In Wales the per-centage was 5.9, being 7.2 in North Wales, and 5.4 in South Wales.

Offences against the Registration Act.—The Registrar-General has found himself compelled in the course of the year to sanction the institution of twenty-two prosecutions for offences against the Registration Act. In each case a conviction was obtained, and a fine inflicted. The offences were of several kinds; in some instances medical men had falsely certified that they had been in attendance upon the deceased persons; in others midwives had falsely certified to stillbirth in the case of live-born infants; in others false addresses had been given in order to evade the vaccination officer; while in the remaining cases, illegitimate children had been registered as born in wedlock.

PROGRESS OF REGISTRATION.

The names in the alphabetical indexes of births, deaths, and marriages recorded in the national register of England and Wales were increased in the year 1889 by 1,832,027, this addition raising the aggregate number of names in the indexes, which at the end of 1889 embraced a period of 52½ years, to 79,386,253. The number of searches in 1889 in the various registers was 41,002, exceeding the number in the previous year by 525. The number of certificates issued was 30,491, showing an increase of 438 on the number in 1888. The fees received for searches and for certificates in 1889 and paid into Her Majesty's Exchequer amounted to 5,884*l.* 2*s.* 6*d.*, and exceeded the amount received in the previous year by 76*l.* 2*s.* (Table 26.)

A list of the various public registers and records lodged in the General Register Office, Somerset House, was published in the 34th Annual Report, pp. xxi–xxii and xxv–xxvi.

MORTALITY IN THE ARMY.*

The average strength of the Army, at home and abroad, in 1889, was 210,298, and the deaths were 1961, the rate of mortality thus being 9.3 per 1000, against 9.6 and 9.7 respectively in the preceding two years. The mortality in the army abroad was 13.8 per 1000, the mean rate in the preceding five years having been 15.4; while the rate in the Army at home was only 5.0, and 1.6 per 1000 below the average rate in the preceding five years, such mean rate itself having shown a considerable decline from the mean rates in previous quinquennia. (Table 29.)

* Based upon returns furnished by His Royal Highness the Commander-in-Chief.

MORTALITY IN THE NAVY.*

The average force afloat in 1889 was 50,790. The deaths were 271, being in the ratio of 5·33 per 1000 of the strength. Of the 271 deaths, 197 were due to disease, and 74 (including 7 from heat-stroke) to violence; so that the death-rate from disease was 3·87 and from violence 1·46 per 1000.

Of the 74 deaths from violence, 33 resulted from accidental drowning, 38 from other accidental causes, and 3 from suicide.

BIRTHS AND DEATHS OF BRITISH SUBJECTS AT SEA.

Marine Register Book.—In accordance with the Births and Deaths Registration Act of 1874, commanding officers of British ships, whether in Her Majesty's service or not, are required, under a 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 England, Scotland, and Ireland. These certified copies of entries of births and deaths at sea constitute the "Marine Register Book." To this Register were added 189 entries of births and 3154 of deaths during the year 1889. Of these 3154 deaths, 1545 were of persons of English origin, while 255 were of persons of British origin, so far as could be judged from the entries, which are not always very precise.

Among *passengers* on board merchant vessels at sea (Table 32), 128 births and 484 deaths were reported in 1889, these numbers differing but slightly from those recorded in the preceding year.

Mercantile Marine.—The Registrar-General of Shipping and Seamen reports that the number of masters and seamen afloat in registered vessels belonging to the mercantile marine of the United Kingdom, including the islands in the British Seas, during the year 1889 was 230,263, showing an increase of 6590 upon the number in the preceding year. The reported deaths among masters and seamen during 1889 numbered 3018, corresponding to an annual rate of 13·1 per 1000 of the strength; this was 0·8 per 1000 lower than the rate in the previous year, and was also the lowest rate yet recorded.

INTERNATIONAL VITAL STATISTICS.

In Tables 39-56 will be found international vital statistics relating to most of the principal European States, including the United Kingdom. Table 39 affords the means for comparing the marriage, birth, and death rates in each State for a series of years with the average rates during the period 1861-80. It must, however, be remembered that great caution is necessary in making comparisons between the rates in any one country with the rates in another; inasmuch as there are great differences between countries in the age-distribution of their inhabitants; and it is evident that the marriage, the birth, and the death rates depend largely on this age-distribution.

The *marriage-rate* in 1889 rose not only in England, in Scotland, and in Ireland, but also in Germany, Belgium, the Netherlands, and Norway, whilst in Denmark and in Switzerland it remained stationary, and in Austria, France, and in Italy it declined.

* Based upon returns furnished by the Director-General of the Medical Department of the Navy.

The *birth-rate* declined not only in the several divisions of the United Kingdom, but in all the other European States from which figures have been received, with the exceptions of Belgium, Italy, and Austria, in the last-named of which it remained stationary.

The *death-rate*, which rose slightly in England and in Scotland, declined in Ireland, but remained stationary in the aggregate of the United Kingdom. The same was the case in the German Empire. In Norway, and in Switzerland, it rose; but declined in Denmark, Austria, the Netherlands, Belgium, France, and Italy.

I have the honour to be,

Sir,

Your faithful Servant,

BRYDGES P. HENNIKER,

General Register Office, Somerset House,

Registrar-General.

29th November 1890.

REMARKS ON THE METEOROLOGY OF THE YEAR 1889.*

BY JAMES GLAISHER, ESQ. F.R.S., &c.

The following remarks, both with regard to atmospheric pressure and temperature, are based on the observations made near London, but they may be taken as having a general application.

Atmospheric Pressure.—The readings of the barometer were generally above their averages till the 28th of January, being particularly so from the 2nd to the 4th and from the 22nd to the 28th, when they were a little more than half an inch above their averages, the mean daily excess for these 28 days being 0.28 in.; from January 29th to March 21st it was generally below, being particularly so on March 20th when it was more than an inch below its average, and on several other days was as much as three-quarters of an inch below; the mean daily deficiency for the 56 days ending March 21st being 0.11 in.; from March 22nd to the 31st it was above, the mean daily excess being 0.21 in., from April 1st to June 15th it was generally below, the mean daily deficiency for these 76 days being 0.11 in.; from June 16th to July 6th it was above, the mean daily excess being 0.15 in., from July 7th to August 25th it was generally below, the mean daily deficiency for the 50 days being 0.13 in.; from August 26th to September 18th it was above, the mean daily excess being 0.13 in.; from September 19th to November 5th it was below, being on several days more than half an inch, the mean daily deficiency for the 48 days being 0.17 in.; and from November 6th to December 31st it was generally above, being particularly so from the 17th to the 20th of November, when it was a little more than three-quarters of an inch above, the mean daily excess for the 56 days being 0.56 in.

The highest reading of the barometer at the height of 150 feet above the sea was 30.55 ins. on January 3rd, and the lowest was 28.80 ins. on March 20th; the yearly range was 1.75 ins.

Temperature.—The temperature of the air was below its average till January 8th, being particularly so on the 5th, 6th, and 7th days, when it was 9°.4, 13°.9, and 9°.2 respectively below, the mean daily deficiency for the eight days being 7°.3; from January 9th to February 1st it was generally above, being particularly so on February 1st, when it was 12° above its average; the mean daily excess for the 24 days being 1°.0; from February 2nd to May 2nd it was generally below, being particularly so from the 10th to the 13th, and 26th of February to March 5th, when it was from 9° to 13° below its average, the mean daily deficiency for the 90 days being 2°.8; from May 3rd to July 13th it was generally above, being particularly so from the 22nd to the 25th of May, and on June 14th, the mean daily excess for the 72 days being 1°.9; from July 14th to November 2nd it was generally below, being particularly so on the 21st, 22nd, and 25th of September, the mean daily deficiency for the 111 days being 2°.3; from November 3rd to the 25th it was above, the mean daily excess being 2°.9; and from November 26th to December 31st it was generally below, being particularly so from November 27th to December 8th, and on the 12th and 29th of December, the mean daily deficiency for the 36 days being 4°.2.

The highest temperatures of the air were 87°.0 at Cambridge, 86°.6 at Royal Observatory, and 86°.0 at Osborne, Salisbury, and Blackheath; and the lowest were 12°.2 at Somerleyton, 12°.5 at Cambridge, and 12°.7 at Barnet.

Rainfall.—The fall of rain was below its average in January; above in February; and below its average again in March. The total fall in

* For Meteorological Tables, see pp. lviii–lxiii.

the three months at Greenwich was 4.36 ins., being 0.62 in. below the average. The falls of rain were above their averages in April, May, and June. The total for the three months at Greenwich was 7.22 ins., being 1.44 in. above the average. The falls of rain were below their averages for July, August, and September. The total fall for the three months at Greenwich was 5.56 ins., being 1.76 in. below the average. The fall of rain was above its average in October; and below in November and December. The total fall for the three months at Greenwich was 6.15 ins., being 0.95 in. below the average. The fall of rain for the year was 23.29 ins., being 1.91 ins. below the average; and the number of days on which it fell was 158.

The heaviest falls of rain at our stations in the year were at Stonyhurst 42.50 ins., at Truro 37.38 ins., and at Bath 36.62 ins.

The least falls were at Leeds 20.98 ins., at Whitchurch 21.95 ins., and at Bradford 22.59 ins.

The greatest numbers of days of rain were 216 at Guernsey, 211 at Truro, and 205 at Stonyhurst; and the least were 145 at Barnet, 146 at Wolverhampton, and 147 at Blackheath.

Thunderstorms occurred on 68 days at the different stations during the year; of these, 13 were in May, 10 in July, 9 in each of the months of April, August, and October, 7 in June, 6 in September, 3 in November, and 1 in both February and December, and none were reported in January or March.

Thunder was heard but lightning was not seen on 67 days during the year; of these, 14 were in May, 12 in April, 10 in both July and August, 6 in October, 5 in June, 3 in September, 2 in each of the months of February, March, and November, and 1 in January.

Lightning was seen but thunder was not heard on 39 days during the year; of these, 8 were in September, 7 in October, 6 in May, 4 in both February and July, 3 in each of the months of August, November, and December, and 1 in June.

Solar halos were seen on 70 days during the year; of these, 10 were in both March and August, 9 in September, 7 in both October and November, 6 in both May and December, 4 in April, 3 in each of the months of February, June, and July, and 2 in January.

Lunar halos were seen on 35 days during the year; of these, 6 were in both February and March, 5 in both January and December, 3 in each of the months of September, October, and November, 2 in May, and 1 in both April and August.

Aurora Borealis was seen on 1 day during the year, viz., on November 26th at Halifax.

Snow fell on 69 days during the year; of these, 24 were in February, 15 in March, 14 in December, 7 in April, 4 in January, 3 in November, and 2 in October; the last fall in the spring was on April 14th at Royston; none fell in May, June, July, August, or September; and the first fall in the autumn was on the 26th of October at Plymouth.

Hail fell on 83 days during the year; of these, 18 were in February, 12 in April, 10 in March, 8 in both October and December, 7 in May, 6 in November, 4 in July, 3 in each of the months of January, August, and September, and 1 in June.

Fog prevailed on 189 days during the year; of these, 26 were in December, 22 in both January and October, 21 in November, 17 in September, 16 in both May and June, 14 in March, 12 in April, 10 in July, 7 in August, and 6 in February.

PRELIMINARY TABLES.		PRELIMINARY TABLES.		PRELIMINARY TABLES.	
Year	Value	Year	Value	Year	Value
1890	1000000	1891	1000000	1892	1000000
1893	1000000	1894	1000000	1895	1000000
1896	1000000	1897	1000000	1898	1000000
1899	1000000	1900	1000000	1901	1000000
1902	1000000	1903	1000000	1904	1000000
1905	1000000	1906	1000000	1907	1000000
1908	1000000	1909	1000000	1910	1000000
1911	1000000	1912	1000000	1913	1000000
1914	1000000	1915	1000000	1916	1000000
1917	1000000	1918	1000000	1919	1000000
1920	1000000	1921	1000000	1922	1000000
1923	1000000	1924	1000000	1925	1000000
1926	1000000	1927	1000000	1928	1000000
1929	1000000	1930	1000000	1931	1000000
1932	1000000	1933	1000000	1934	1000000
1935	1000000	1936	1000000	1937	1000000
1938	1000000	1939	1000000	1940	1000000
1941	1000000	1942	1000000	1943	1000000
1944	1000000	1945	1000000	1946	1000000
1947	1000000	1948	1000000	1949	1000000
1950	1000000	1951	1000000	1952	1000000
1953	1000000	1954	1000000	1955	1000000
1956	1000000	1957	1000000	1958	1000000
1959	1000000	1960	1000000	1961	1000000
1962	1000000	1963	1000000	1964	1000000
1965	1000000	1966	1000000	1967	1000000
1968	1000000	1969	1000000	1970	1000000
1971	1000000	1972	1000000	1973	1000000
1974	1000000	1975	1000000	1976	1000000
1977	1000000	1978	1000000	1979	1000000
1980	1000000	1981	1000000	1982	1000000
1983	1000000	1984	1000000	1985	1000000
1986	1000000	1987	1000000	1988	1000000
1989	1000000	1990	1000000	1991	1000000
1992	1000000	1993	1000000	1994	1000000
1995	1000000	1996	1000000	1997	1000000
1998	1000000	1999	1000000	2000	1000000
2001	1000000	2002	1000000	2003	1000000
2004	1000000	2005	1000000	2006	1000000
2007	1000000	2008	1000000	2009	1000000
2010	1000000	2011	1000000	2012	1000000
2013	1000000	2014	1000000	2015	1000000
2016	1000000	2017	1000000	2018	1000000
2019	1000000	2020	1000000	2021	1000000
2022	1000000	2023	1000000	2024	1000000
2025	1000000	2026	1000000	2027	1000000
2028	1000000	2029	1000000	2030	1000000

PRELIMINARY TABLES.

TABLE 1.—United Kingdom: Population of its several portions estimated to the middle of each of the Years 1840–89, exclusive of the Population of the Islands in the British Seas, and of the portions of the Army,

YEAR.	UNITED KINGDOM. AREA 77,143,938 ACRES.			ENGLAND AND WALES. AREA 37,239,351 ACRES.		
	Persons.	Males.	Females.	Persons.	Males.	Females.
1840	26,487,026	12,937,181	13,549,845	15,730,813	7,689,301	8,041,512
1841	26,751,199	13,065,536	13,685,663	15,929,492	7,784,883	8,144,609
1842	27,004,417	13,194,189	13,810,228	16,130,326	7,887,620	8,242,706
1843	27,255,699	13,321,297	13,934,402	16,332,228	7,990,370	8,341,858
1844	27,525,119	13,456,832	14,068,287	16,535,174	8,093,100	8,442,074
1845	27,776,364	13,582,614	14,193,750	16,739,136	8,195,776	8,543,360
1846	28,002,094	13,694,941	14,307,153	16,944,092	8,298,360	8,645,732
1847	27,972,537	13,675,994	14,296,543	17,150,018	8,400,820	8,749,198
1848	27,820,088	13,593,648	14,226,440	17,356,882	8,503,116	8,853,766
1849	27,669,579	13,512,837	14,156,742	17,564,656	8,605,212	8,959,444
1850	27,523,694	13,436,128	14,087,566	17,773,324	8,707,074	9,066,250
1851	27,393,337	13,369,095	14,024,242	17,982,849	8,808,662	9,174,187
1852	27,448,257	13,394,542	14,053,715	18,193,206	8,909,938	9,283,268
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	34,952,204	17,005,692	17,946,512	26,061,736	12,682,338	13,379,393
1882	35,297,114	17,173,950	18,123,164	26,413,861	12,853,737	13,560,124
1883	35,611,770	17,328,684	18,283,086	26,770,744	13,027,407	13,743,337
1884	35,961,663	17,501,448	18,460,215	27,132,449	13,203,423	13,929,026
1885	36,331,119	17,684,167	18,646,952	27,499,041	13,381,817	14,117,224
1886	36,709,477	17,871,243	18,838,229	27,870,586	13,562,621	14,307,965
1887	37,075,963	18,051,123	19,024,840	28,247,151	13,745,863	14,501,283
1888	37,440,494	18,229,360	19,211,134	28,628,804	13,931,592	14,697,212
1889	37,823,249	18,417,503	19,405,746	29,015,613	14,119,824	14,895,789

middle of each of the Years 1840–89, exclusive of the Population of the Islands in the British Seas, and of the portions of the Army, Navy, and Merchant Service Abroad.

YEAR.	SCOTLAND.* AREA 19,084,659 ACRES.			IRELAND.* AREA 20,819,928 ACRES.		
	Persons.	Males.	Females.	Persons.	Males.	Females.
1840	2,600,692	1,234,910	1,365,782	8,155,521	4,012,970	4,142,551
1841	2,621,854	1,242,689	1,379,165	8,199,853	4,037,964	4,161,889
1842	2,653,165	1,258,690	1,394,475	8,220,926	4,047,879	4,173,047
1843	2,683,639	1,274,223	1,409,416	8,239,832	4,056,704	4,183,128
1844	2,713,318	1,289,265	1,424,053	8,276,627	4,074,467	4,202,160
1845	2,742,167	1,303,795	1,438,372	8,295,061	4,083,043	4,212,018
1846	2,770,154	1,317,792	1,452,362	8,287,848	4,078,789	4,209,059
1847	2,797,245	1,331,236	1,466,009	8,225,274	3,943,938	4,081,336
1848	2,823,406	1,344,105	1,479,301	7,639,800	3,746,427	3,893,373
1849	2,848,609	1,356,381	1,492,228	7,256,314	3,551,244	3,705,070
1850	2,872,821	1,368,045	1,504,776	6,877,549	3,361,009	3,516,540
1851	2,896,015	1,379,080	1,516,935	6,514,473	3,181,353	3,333,120
1852	2,918,162	1,389,469	1,528,693	6,336,889	3,095,135	3,241,754
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	2,831,788	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	3,552,188	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	2,702,31
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	3,745,485	1,804,680	1,940,805	5,144,983	2,518,629	2,626,354
1882	3,785,400	1,825,650	1,959,750	5,097,853	2,494,563	2,603,290
1883	3,825,744	1,846,864	1,978,880	5,015,282	2,454,413	2,560,869
1884	3,866,521	1,868,325	1,998,196	4,962,693	2,429,700	2,532,993
1885	3,907,736	1,890,035	2,017,701	4,924,342	2,412,315	2,512,027
1886	3,949,393	1,911,997	2,037,396	4,889,498	2,396,630	2,492,868
1887	3,991,499	1,934,215	2,057,284	4,837,313	2,371,040	2,466,273
1888	4,034,156	1,956,790	2,077,366	4,777,534	2,340,978	2,436,556
1889	4,077,070	1,979,427	2,097,643	4,730,566	2,318,252	2,412,314

* 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.—Annual Marriage-, Birth-, and Death-rates, 1840-89.

YEAR.	MAR-RIAGES. Persons Married to 1000 living.	BIRTHS.				DEATHS.				YEAR.	
		Births to 1000 Living.			Illegitimate Births in 1000 Births.	Deaths to 1000 Living.			Deaths of Males to 1000 Deaths of Females, in equal Numbers Living.		
		Total.	Legitimate.	Illegitimate.		Persons.	Males.	Females.			
1840	15.6	31.8	—	—	—	1051	22.8	23.7	22.0	1076	1840
1841	15.4	32.2	—	—	—	1053	21.6	22.4	20.8	1074	1841
1842	14.7	32.1	29.9	2.2	67	1050	21.7	22.4	21.0	1067	1842
1843	15.2	32.3	—	—	—	1054	21.2	22.0	20.5	1074	1843
1844	16.0	32.6	—	—	—	1054	21.5	22.3	20.8	1074	1844
1845	17.2	32.5	30.2	2.3	70	1050	20.9	21.7	20.1	1077	1845
1846	17.2	33.8	31.5	2.3	67	1049	23.0	23.9	22.2	1076	1846
1847	15.8	31.5	29.4	2.1	67	1043	24.7	25.5	23.9	1069	1847
1848	15.9	32.4	30.3	2.1	65	1050	23.0	23.8	22.2	1074	1848
1849	16.2	32.9	30.7	2.2	68	1043	25.1	25.8	24.4	1054	1849
1850	17.2	33.4	31.1	2.3	68	1042	20.8	21.4	20.1	1064	1850
1851	17.2	34.2	31.9	2.3	68	1047	22.0	22.8	21.2	1072	1851
1852	17.4	34.2	31.9	2.3	68	1046	22.3	23.2	21.5	1078	1852
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	1122	1881
1882	15.5	33.7	32.1	1.6	49	1038	19.6	20.7	18.5	1118	1882
1883	15.4	33.3	31.7	1.6	48	1035	19.5	20.7	18.5	1120	1883
1884	15.0	33.3	31.7	1.6	47	1041	19.5	20.7	18.4	1122	1884
1885	14.4	32.5	30.9	1.6	48	1040	19.0	20.0	18.0	1113	1885
1886	14.1	32.4	30.9	1.5	47	1038	19.3	20.3	18.3	1113	1886
1887	14.2	31.4	29.9	1.5	48	1039	18.8	19.8	17.8	1110	1887
1888	14.2	30.6	29.2	1.4	46	1033	17.8	18.8	16.8	1121	1888
1889	14.7	30.5	29.1	1.4	46	1038	17.9	18.8	16.9	1113	1889

TABLE 3.—ENGLAND.—Annual Marriage-, Birth-, and Death-rates, in Groups of Years, 1838-89.

PERIOD.	MAR-RIAGES. Persons Married to 1,000 Living.	BIRTHS.				DEATHS.				
		Births to 1000 Living.			Illegitimate Births in 1000 Births.	Births of Males to 1,000 Births of Females.	Deaths to 1000 Living.			Deaths of Males to 1,000 Deaths of Females, in equal Numbers Living.
		Total.	Legitimate.	Illegitimate.			Persons.	Males.	Females.	
1838-89 -	16.1	33.8	32.2*	2.0*	58*	1043	21.6	22.6	20.6	1100
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
1838-40 -	15.6	31.3	—	—	—	1048	22.4	23.3	21.5	1084
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	33.3	31.7	1.6	43	1039	19.3	20.4	18.2	1119

* For the period 1845-89 only.

TABLE 4.—ENGLAND.—Annual Marriage-, Birth-, and Death-rates in each Quarter; in Groups of Years, 1838-89, and in each Year, 1881-89

PERIOD.	PERSONS MARRIED TO 1000 LIVING.				BIRTHS TO 1000 LIVING.				DEATHS TO 1000 LIVING.			
	Quarter ending				Quarter ending				Quarter ending			
	March.	June.	Sept.	Dec.	March.	June.	Sept.	Dec.	March.	June.	Sept.	Dec.
1838-89 -	13.3	16.4	15.6	19.1	35.1	34.9	32.7	32.6	24.0	21.2	19.8	21.3
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 -	11.8	15.5	14.8	18.3	35.1	34.7	32.9	33.0	21.5	19.6	16.8	18.7
1882 -	12.2	16.1	15.4	18.2	34.3	34.5	33.1	32.7	21.5	19.0	17.8	20.0
1883 -	13.4	14.4	15.5	18.4	35.2	34.3	31.7	32.0	22.2	20.0	16.8	19.2
1884 -	12.3	15.9	14.7	17.1	33.2	34.2	33.0	32.9	19.5	18.9	19.7	19.9
1885 -	11.5	15.2	14.3	16.5	34.2	32.4	31.5	32.0	21.8	19.3	16.5	18.5
1886 -	11.4	14.5	13.8	16.5	33.5	33.3	31.9	31.0	22.8	18.0	17.8	18.5
1887 -	11.2	14.9	14.0	16.7	31.5	32.1	31.3	30.6	20.5	18.2	17.6	18.8
1888 -	11.3	14.5	14.3	16.7	31.4	31.4	29.7	30.1	21.0	17.5	15.9	17.8
1889 -	11.5	15.4	14.7	17.3	30.8	31.5	30.1	29.8	19.5	17.2	16.7	18.1

TABLE 5.—ENGLAND.—Marriages.—Manner of Solemnisation, 1841-89

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.		Quakers.	Jews.	Civil Marriages in Superintendent Registrar's Office.
							Roman Catholics.	Other Christian Denominations.				
1841	0.1	129	637	8	160	934	66	48	0.5	0.9	17	
1842	0.1	126	637	8	155	926	74	52	0.5	1.4	20	
1843	0.1	117	646	10	145	918	82	57	0.5	1.2	23	
1844	0.1	113	643	12	139	907	93	17	48	0.4	1.3	26
1845	0.1	111	646	12	132	901	99	20	49	0.5	1.3	28
1846	0.1	118	638	13	127	896	104	21	52	0.5	1.5	29
1847	0.1	126	625	14	125	890	110	22	55	0.6	1.4	31
1848	0.1	122	626	16	115	879	121	26	58	0.5	1.3	35
1849	0.1	118	639	18	93	868	132	30	61	0.4	1.6	39
1850	0.1	114	645	21	77	857	143	37	63	0.5	1.7	41
1851	0.1	115	644	22	68	849	151	43	62	0.4	1.7	44
1852	0.1	123	670	23	27	843	157	47	63	0.4	1.6	45
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

TABLE 6.—ENGLAND.—Marriages.—Manner of Solemnisation, in Counties, 1889.

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.		Quakers.	Jews.	Civil Marriages in Superintendent Registrar's Office.
							Roman Catholics.	Other Christian Denominations.				
ENGLAND	0.1	48	632	16	2	698	302	42	116	0.3	4.1	140
I.—LONDON.	0.3	58	729	0	1	788	212	38	44	0.3	16.7	113
II.—SOUTH EASTERN.												
Surrey (extra-metrop.)	—	49	703	10	2	764	236	22	101	1.2	—	112
Kent (extra-metrop.)	0.2	33	695	13	6	747	253	14	114	—	—	125
Sussex	0.6	56	718	4	2	781	219	11	74	—	0.3	134
Hampshire	0.4	46	650	12	2	710	290	18	97	0.2	—	175
Berkshire	0.6	37	721	1	8	768	232	8	98	—	—	126
III.—SOUTH MIDLAND.												
Middlesex (extra-metrop.)	—	70	731	0	1	802	198	22	77	0.3	0.3	98
Hertfordshire	—	25	793	4	3	825	175	4	117	—	—	54
Buckinghamshire	—	26	740	3	8	777	223	1	128	—	—	94
Oxfordshire	—	47	777	2	7	833	167	10	88	0.8	—	68
Northamptonshire	—	26	666	2	1	695	305	9	132	—	—	164
Huntingdonshire	—	16	805	—	3	824	176	—	134	3.3	—	49
Bedfordshire	—	31	708	11	1	751	249	2	139	0.9	—	107
Cambridgeshire	—	35	732	1	5	773	227	4	122	—	—	101
IV.—EASTERN.												
Essex	—	40	756	5	4	805	195	23	86	1.4	—	85
Suffolk	—	39	728	2	11	780	220	5	105	0.4	—	110
Norfolk	—	39	696	3	2	740	260	6	112	0.3	0.7	141
V.—SOUTH WESTERN.												
Wiltshire	—	31	684	1	2	718	282	7	169	—	—	106
Dorsetshire	—	51	709	14	2	776	224	10	103	—	—	111
Devonshire	0.2	70	497	7	7	581	419	14	143	—	—	262
Cornwall	0.5	70	477	2	4	554	448	4	204	0.5	—	238
Somersetshire	—	49	688	7	7	751	249	4	150	—	—	95
VI.—WEST MIDLAND.												
Gloucestershire	—	47	652	2	1	702	298	16	107	0.5	0.5	174
Herefordshire	—	70	614	9	5	698	302	15	132	—	—	155
Shropshire	—	67	639	13	4	723	277	10	152	—	—	115
Staffordshire	—	31	758	9	1	799	201	29	86	—	—	86
Worcestershire	—	41	789	6	2	818	182	13	77	—	—	92
Warwickshire	—	16	767	13	1	797	203	28	59	0.8	2.8	112
VII.—NORTH MIDLAND.												
Leicestershire	—	20	699	9	1	729	271	15	120	—	0.8	135
Rutlandshire	—	50	832	—	—	882	118	—	59	—	—	59
Lincolnshire	—	43	702	2	5	752	248	10	137	—	—	51
Nottinghamshire	—	35	667	3	3	708	292	11	119	—	0.3	162
Derbyshire	—	47	665	12	1	725	275	23	172	—	—	80
VIII.—NORTH WESTERN.												
Cheshire	—	65	615	9	1	690	310	60	147	0.4	—	103
Lancashire	0.0	54	554	46	2	656	344	111	144	0.4	3.9	85
IX.—YORK.												
West Riding	—	26	687	25	1	739	261	39	127	0.7	4.0	90
East Riding (with York)	—	61	643	3	3	715	285	29	121	—	4.7	130
North Riding	—	81	584	10	0.0	675	325	61	207	0.8	0.8	155
X.—NORTHERN.												
Durham	—	36	434	44	0.0	514	486	84	109	0.1	0.7	292
Northumberland	—	56	493	12	1	562	438	72	95	1.0	2.9	267
Cumberland	—	143	386	57	1	587	413	76	103	1.1	—	233
Westmorland	—	132	640	12	—	734	216	21	106	2.4	—	87
XI.—WELSH.												
Monmouthshire	—	33	422	10	1	466	534	39	176	—	0.9	318
South Wales	0.1	53	250	13	0.0	316	684	33	243	—	1.6	406
North Wales	—	80	263	20	2	365	635	7	340	—	—	238

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

TABLE 7.—ENGLAND.—First Marriages, Re-Marriages, Marriages of Minors, and Signatures by Mark, 1841-89.

YEAR.	IN 1000 MARRIAGES.								
	FIRST MARRIAGES.		RE-MARRIAGES.		UNDER 21 YEARS.		SIGNED BY MARK.		
	Bachelors.	Spinners.	Widowers.	Widows.	Men.	Women.	Men.	Women.	Both.
1841	—	—	—	—	44	133	326	488	—
1842	869	911	131	89	45	135	320	479	—
1843	868	913	132	87	45	132	327	490	—
1844	872	915	128	85	42	132	324	492	—
1845	874	914	126	86	44	135	332	496	—
1846	874	917	126	83	43	137	326	482	—
1847	871	915	129	85	41	133	312	455	240
1848	862	911	133	89	44	141	312	454	239
1849	862	911	138	89	47	149	310	459	—
1850	855	907	145	93	49	151	311	462	—
1851	860	910	140	90	50	157	308	453	235
1852	865	911	135	89	54	170	305	446	231
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	868	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	85	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

TABLE 8.—ENGLAND.—Marriages, Marriages of Minors, and Signatures by Mark, in Counties, 1879-1888, and 1889.

REGISTRATION COUNTY.	Persons Married in 1000 living.		IN 1000 MARRIAGES.								
	Average of Ten Years, 1879-88.	1889.	Under 21 Years.				Signed by Mark.				
			Average of ten Years, 1879-88.		1889.		Average of ten Years, 1879-88.		1889.		
			Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.	Both.
ENGLAND	14.7	14.7	71	211	61	199	117	146	78	90	27
I.—LONDON	17.4	16.3	55	188	52	182	61	83	42	54	16
II.—SOUTH EASTERN.											
Surrey (<i>extra-metrop.</i>)	12.5	12.5	41	152	33	145	70	47	45	27	7
Kent (<i>extra-metrop.</i>)	13.5	13.3	55	211	44	190	96	74	64	42	12
Sussex	12.7	12.3	61	175	42	150	91	48	60	25	7
Hampshire	14.9	15.0	42	187	36	175	82	61	57	36	13
Berkshire	12.6	12.4	52	164	36	144	118	73	70	28	9
III.—SOUTH MIDLAND.											
Middlesex (<i>extra-metrop.</i>)	11.3	11.7	50	169	45	162	84	65	52	37	12
Hertfordshire	10.8	10.9	89	188	75	190	181	135	119	70	30
Buckinghamshire	12.5	13.4	99	213	70	189	158	124	105	62	25
Oxfordshire	12.8	13.2	63	177	45	158	120	83	86	42	17
Northamptonshire	13.9	14.0	103	232	94	219	114	111	84	68	18
Huntingdonshire	12.6	12.5	84	202	52	182	172	108	104	52	16
Bedfordshire	13.6	14.7	141	222	87	182	177	203	124	124	50
Cambridgeshire	12.6	13.8	82	213	75	212	175	122	125	74	33
IV.—EASTERN.											
Essex	12.4	13.4	71	221	55	219	127	86	89	53	19
Suffolk	13.2	13.2	82	214	66	198	199	122	126	71	22
Norfolk	14.0	13.3	91	224	70	205	184	121	115	70	26
V.—SOUTH WESTERN.											
Wiltshire	12.7	13.1	65	169	62	170	126	83	96	49	19
Dorsetshire	13.6	13.6	60	165	58	157	132	83	73	46	12
Devonshire	15.0	15.7	45	142	37	135	85	95	54	51	14
Cornwall	13.4	14.2	45	157	46	155	170	176	128	118	41
Somersetshire	13.1	13.8	75	163	56	149	139	119	90	71	24
VI.—WEST MIDLAND.											
Gloucestershire	15.2	15.1	82	187	71	158	118	119	77	72	19
Herefordshire	11.4	13.0	39	134	28	111	168	100	120	59	20
Shropshire	11.6	12.6	33	141	31	139	150	142	109	81	32
Staffordshire	14.7	15.1	100	269	87	254	200	244	124	144	55
Worcestershire	13.6	14.0	75	195	64	182	148	164	102	119	42
Warwickshire	14.5	15.0	79	223	71	211	133	174	75	97	28
VII.—NORTH MIDLAND.											
Leicestershire	14.5	14.0	117	244	92	225	106	142	60	59	13
Rutlandshire	11.0	10.4	30	150	25	101	93	39	76	50	17
Lincolnshire	13.2	13.0	54	211	46	186	103	94	74	60	18
Nottinghamshire	16.0	14.4	115	285	93	266	124	153	88	102	23
Derbyshire	13.5	13.9	86	263	71	236	111	180	80	70	22
VIII.—NORTH WESTERN.											
Cheshire	13.5	13.5	63	188	54	168	113	156	76	88	26
Lancashire	15.9	15.2	83	220	73	205	115	211	77	125	32
IX.—YORK.											
West Riding	15.0	15.6	87	249	78	234	118	192	79	115	36
East Riding (with York)	15.5	15.5	69	252	64	227	92	126	63	70	16
North Riding	13.3	12.7	58	241	51	217	123	142	83	85	25
X.—NORTHERN.											
Durham	14.9	15.4	70	303	66	282	150	214	99	141	36
Northumberland	16.0	17.3	47	214	44	200	87	138	63	93	22
Cumberland	13.4	13.7	51	192	50	190	101	149	74	91	23
Westmorland	12.9	13.3	48	146	35	122	46	58	21	38	5
XI.—WELSH.											
Monmouthshire	15.6	18.6	69	235	59	254	233	246	154	165	59
South Wales	15.2	16.9	64	201	53	197	175	259	113	165	47
North Wales	11.9	11.8	33	113	27	106	182	224	129	146	56

TABLE 9.—ENGLAND.—Churches and Chapels of the Established Church, and other Registered Buildings for Solemnisation of Marriage, 31st December, 1889.

No.	REGISTRATION DIVISIONS AND COUNTIES.	ALL RELIGIOUS DENOMINATIONS.	ESTABLISHED CHURCH.	Other Religious Denominations.																	
				Wesleyan Methodists.													Countess of Huntingdon's Connexion.	New Jerusalem Church.	Catholic and Apostolic Church.	All others.	
				ALL OTHER RELIGIOUS DENOMINATIONS.	Presbyterians.	Independents.	Baptists.	United Brethren or Moravians.	Roman Catholics.	Unitarians.	Original Connexion.	New Connexion.	Primitive Methodists.	United Methodist Free Church.	Other Wesleyan Methodists.	Calvinistic Methodists.					
	ENGLAND - - -	25301	14966	10335	362	2341	1926	27	974	145	1957	164	789	561	37	552	35	43	33	389	
	I.—LONDON.																				
	London - - - - -	1217	581	636	44	153	140	1	67	13	85	5	19	26		9	1	5	8	60	
	II.—SOUTH EASTERN.																				
1	Surrey (<i>extra-metropolitan</i>) - - -	372	221	151	6	45	37		19	2	27		8	1						5	
2	Kent (<i>extra-metropolitan</i>) - - -	735	491	244	6	60	72		21	2	50		15	7						6	
3	Sussex - - - - -	576	394	182	7	53	44		21	4	25		5	4						12	
4	Hampshire - - - - -	642	430	212	6	60	40		16	3	38		17	15						15	
5	Berkshire - - - - -	363	266	97	3	17	25		11	1	19		15	1						3	
	III.—SOUTH MIDLAND.																				
6	Middlesex (<i>extra-metropolitan</i>) - - -	267	134	133	7	38	33		15		22		3	1						12	
7	Hertfordshire - - - - -	287	189	98	1	43	28		4	1	12		2							4	
8	Buckinghamshire - - - - -	280	196	84		18	35		3		16		6	2						4	
9	Oxfordshire - - - - -	339	264	75	1	18	19		9		16		4	4						2	
10	Northamptonshire - - - - -	444	313	131		35	48		6	1	23		5	4						4	
11	Huntingdonshire - - - - -	119	81	38		5	21		2		6									3	
12	Bedfordshire - - - - -	215	138	77		12	31		2		23		5							3	
13	Cambridgeshire - - - - -	290	193	97		20	40		3	1	16		12	2						2	
	IV.—EASTERN.																				
14	Essex - - - - -	631	427	204	3	86	34		18	2	37		6	1						13	
15	Suffolk - - - - -	656	510	146	3	50	47		8	1	20		12	2						2	
16	Norfolk - - - - -	853	703	150	2	26	40		9	3	24		28	13						4	
	V.—SOUTH WESTERN.																				
17	Wiltshire - - - - -	485	330	155	1	44	51		7		23		16	2						8	
18	Dorsetshire - - - - -	376	294	82		26	7		10	3	24		10	1						1	
19	Devonshire - - - - -	823	542	281	11	70	53		17	3	60		4	34						24	
20	Cornwall - - - - -	410	253	127		20	7		9		60		1	4						2	
21	Somersetshire - - - - -	815	557	258	3	70	50		15	4	63		12	24						12	
	VI.—WEST MIDLAND.																				
22	Gloucestershire - - - - -	618	405	213	5	63	54		12	1	38		8	12						17	
23	Herefordshire - - - - -	288	227	61		10	13		3		8		1	15						7	
24	Shropshire - - - - -	444	315	129	2	40	15		12		19		3	24						3	
25	Staffordshire - - - - -	648	353	295		46	31		41	5	85		27	34						6	
26	Worcestershire - - - - -	344	250	94	3	18	20		13	2	16		2	8						3	
27	Warwickshire - - - - -	503	313	190	3	47	42		31	7	31		3	5						4	
	VII.—NORTH MIDLAND.																				
28	Leicestershire - - - - -	460	295	165	2	29	53		15	2	33		2	18						8	
29	Rutlandshire - - - - -	70	57	13		3	5		1		2			1						1	
30	Lincolnshire - - - - -	850	651	199	1	25	35		13	3	57		1	40						3	
31	Nottinghamshire - - - - -	427	284	143	1	21	31		10	2	32		7	18						6	
32	Derbyshire - - - - -	399	208	191	4	37	21		16	2	47		4	27						1	
	VIII.—NORTH WESTERN.																				
33	Cheshire - - - - -	557	253	304	25	56	25		23	7	77		10	43						5	
34	Lancashire - - - - -	2063	758	1310	64	230	136		4	245	30		251	29						64	
	IX.—YORK.																				
35	West Riding - - - - -	1560	678	882	7	169	104		6	65	16		246	49						22	
36	East Riding (with York) - - - - -	381	248	133	5	23	10		12	1	42		3	26						3	
37	North Riding - - - - -	409	264	145	6	22	9		19	3	49		30	6						1	
	X.—NORTHERN.																				
38	Durham - - - - -	516	254	262	28	26	17		49	4	58		11	45						6	
39	Northumberland - - - - -	369	171	198	72	14	7		31		22		5	19						6	
40	Cumberland - - - - -	269	175	94	16	17	3		14		25		14	3						2	
41	Westmorland - - - - -	116	82	34	2	7	3		1		11		5	2						3	
	XI.—WELSH.																				
42	Monmouthshire - - - - -	349	167	182	1	45	79		15		14		8	5						2	
43	South Wales - - - - -	1531	654	877	4	305	256		23	16	50		10	5						12	
44	North Wales - - - - -	930	397	533		119	55		18		60		1	5						277	

TABLE 10.—ENGLAND.—Birth- and Death-rates in Counties, 1879-88, and 1889.

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.	
	1889.		1889.		1889.		1889.				1889.	
	Ten Years 1879-88.	1889.	Ten Years 1879-88.	1889.	Ten Years 1879-88.	1889.	Persons.	Persons.	Males.	Females.	Ten Years 1879-88.	1889.
ENGLAND - - -	33.0	30.5	48	46	1038	1038	19.4	17.9	18.8	16.9	141	144
I.—LONDON	33.5	30.4	39	38	1035	1040	20.5	17.5	19.0	16.1	152	141
II.—SOUTH EASTERN.												
Surrey (<i>extra-metrop.</i>) - - -	29.5	26.9	40	39	1040	1048	15.8	14.0	15.0	13.0	111	107
Kent (<i>extra-metrop.</i>) - - -	31.6	29.3	43	43	1038	1018	17.1	15.5	15.7	15.4	117	113
Sussex - - - - -	28.6	25.0	52	56	1046	1033	15.9	13.7	14.8	12.8	110	101
Hampshire - - - - -	31.1	30.1	43	42	1033	1045	17.6	15.8	16.9	14.8	113	108
Berkshire - - - - -	30.4	28.2	49	47	1043	1029	16.8	14.3	14.9	13.7	109	97
III.—SOUTH MIDLAND.												
Middlesex (<i>extra-metrop.</i>) - - -	33.8	33.0	35	34	1045	1039	17.2	15.2	16.2	14.2	129	119
Hertfordshire - - - - -	30.3	28.1	53	47	1028	1020	17.5	15.8	16.6	14.9	112	101
Buckinghamshire - - - - -	31.7	29.8	51	51	1040	1057	17.7	15.9	16.8	15.1	120	106
Oxfordshire - - - - -	30.6	29.9	54	53	1042	1081	17.3	16.7	17.5	16.0	114	122
Northamptonshire - - - - -	32.7	30.4	46	41	1037	1064	17.7	15.8	16.5	15.0	133	128
Huntingdonshire - - - - -	28.8	28.7	49	53	1034	1066	17.3	14.8	15.0	14.2	110	92
Bedfordshire - - - - -	32.0	30.8	67	62	1035	1042	18.4	17.0	17.9	16.2	133	129
Cambridgeshire - - - - -	30.2	29.3	54	55	1032	1092	17.9	15.6	16.3	15.0	126	103
IV.—EASTERN.												
Essex - - - - -	35.2	35.0	34	29	1033	1026	18.1	16.2	16.7	15.6	126	113
Suffolk - - - - -	31.8	30.8	57	58	1031	1064	18.0	16.2	17.1	15.4	117	107
Norfolk - - - - -	31.3	30.0	74	69	1046	1046	18.8	16.9	17.7	16.1	137	123
V.—SOUTH WESTERN.												
Wiltshire - - - - -	30.2	29.2	49									

TABLE 11.—ENGLAND.—Annual Death-rates at Twelve Groups of Ages, 1840-89.*—Males.

YEAR.	DEATHS TO 1000 LIVING MALES.												
	AGES.												
	ALL AGES.	0-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85 and upwds.
1840	23.7	75.2	10.8	5.4	7.4	9.3	9.9	12.7	17.7	31.2	66.0	144.5	311.3
1841	22.4	68.4	9.6	5.1	7.2	9.2	9.8	12.2	17.7	31.3	64.5	142.6	303.0
1842	22.4	70.4	9.0	5.0	6.9	8.9	9.3	12.0	17.2	30.3	65.7	145.6	300.6
1843	22.0	68.8	8.4	4.8	6.7	8.9	9.2	12.2	17.0	30.0	65.5	140.7	293.5
1844	22.3	69.5	8.9	4.7	6.4	8.9	9.3	12.3	17.3	30.3	66.9	145.8	319.9
1845	21.7	66.5	8.2	4.6	6.6	9.1	9.2	12.1	17.0	29.6	64.7	143.7	308.4
1846	23.9	77.4	8.2	5.1	7.3	10.0	10.2	12.8	17.8	31.1	67.4	150.4	323.9
1847	25.5	76.0	9.7	5.5	8.0	10.8	11.0	14.5	20.5	36.5	77.1	173.6	364.6
1848	23.8	73.6	10.4	5.3	7.2	10.0	10.2	13.1	18.4	32.4	67.7	149.2	309.5
1849	25.8	75.0	11.2	6.5	8.0	11.1	12.4	15.9	22.4	36.4	72.4	151.7	304.7
1850	21.4	66.8	8.1	4.7	6.2	8.2	8.8	11.7	17.0	29.7	63.1	140.1	289.7
1851	22.8	72.9	8.7	4.9	6.8	8.8	9.5	12.4	17.7	30.2	64.1	140.6	288.6
1852	23.2	74.6	9.0	5.2	6.9	9.2	9.7	12.3	17.9	30.4	62.8	141.7	292.7
1853	23.8	73.0	8.5	5.1	7.2	9.6	10.3	13.2	19.3	32.4	69.1	159.8	323.3
1854	24.4	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	23.5	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	21.3	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	22.6	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	23.9	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	23.3	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	22.1	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	22.7	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	22.4	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	24.1	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	24.9	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	24.5	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	24.6	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	23.0	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	23.1	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	23.6	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	24.2	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	23.9	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	22.6	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	22.4	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	23.6	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	24.1	71.9	6.9	3.8	5.6	7.6	9.7	15.0	21.5	37.7	74.7	163.0	363.8
1876	22.3	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	21.7	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	22.9	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	22.0	63.3	6.3	3.3	4.7	6.4	8.6	13.3	20.4	36.8	74.0	163.7	365.5
1880	21.8	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	20.0	56.4	5.8	3.2	4.5	6.1	8.3	13.0	19.3	33.9	67.8	144.9	291.1
1882	20.7	62.5	6.3	3.2	4.6	5.9	8.2	12.6	19.1	33.5	66.2	139.0	286.6
1883	20.7	59.3	6.1	3.3	4.7	6.2	8.3	13.0	19.8	34.6	70.1	148.3	300.8
1884	20.7	62.3	5.7	3.2	4.6	6.0	8.1	12.6	19.5	32.8	63.4	141.0	287.8
1885	20.0	57.5	5.0	2.9	4.4	5.8	8.0	12.5	19.4	33.4	71.4	143.8	312.6
1886	20.3	60.3	4.6	2.8	4.3	5.6	7.6	12.0	19.3	33.5	72.8	151.3	334.2
1887	19.8	57.8	4.9	2.9	4.2	5.3	7.4	11.9	18.9	33.5	72.0	146.9	304.6
1888	18.8	52.7	4.5	2.7	4.0	5.4	7.2	11.7	19.2	32.7	71.6	141.6	293.3
1889	18.8	55.6	4.5	2.6	3.9	5.0	7.0	11.2	18.4	31.5	68.5	135.7	291.4

* The populations used are deduced from the rates of increase observed in the 40 years 1841-81 (see Table 1), and are distributed in the several groups of ages according to the proportions found to prevail at the last five Censuses.

TABLE 12.—ENGLAND.—Annual Death-rates at Twelve Groups of Ages, 1840-89.*—Females.

YEAR.	DEATHS TO 1000 LIVING FEMALES.												
	AGES.												
	ALL AGES.	0-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85 and upwds.
1840	22.0	64.3	10.6	6.0	8.5	8.9	10.3	12.6	15.5	28.0	58.5	134.4	293.5
1841	20.8	58.6	9.2	5.4	8.0	8.8	10.1	12.3	15.4	27.3	58.3	133.5	291.3
1842	21.0	60.2	8.9	5.3	7.9	8.7	10.0	12.2	15.3	27.4	60.0	130.6	291.4
1843	20.5	59.0	8.2	5.0	7.3	8.4	9.7	12.3	14.9	26.9	58.6	130.2	286.0
1844	20.8	53.7	8.7	5.2	7.5	8.6	10.0	12.0	15.3	27.6	60.2	134.4	291.5
1845	20.1	56.5	7.8	4.9	7.6	8.6	9.8	12.0	14.7	26.6	58.4	130.2	282.9
1846	22.2	66.7	8.0	5.5	8.0	9.3	10.4	12.5	15.7	27.8	61.3	137.8	314.6
1847	23.9	65.7	9.4	5.9	8.4	9.9	11.7	14.4	18.1	32.3	69.6	159.9	333.0
1848	22.2	63.8	9.8	5.7	8.0	9.4	10.8	13.1	16.0	28.5	60.3	135.6	285.3
1849	24.4	64.8	10.9	6.6	9.0	10.9	13.4	16.4	20.2	33.6	65.7	140.3	288.3
1850	20.1	57.4	8.1	4.9	7.2	8.3	9.8	11.9	14.9	26.3	56.9	126.9	268.2
1851	21.2	63.0	8.6	5.3	7.5	8.8	9.9	12.1	15.4	26.8	58.3	128.3	273.6
1852	21.5	64.1	8.8	5.4	7.8	8.7	10.2	12.3	15.3	26.5	56.6	131.9	283.0
1853	22.0	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	22.7	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	21.7	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	19.6	58.4	7.3	4.5	6.9	8.0	9.3	11.6	14.2	24.3	53.0	120.8	248.7
1857	21.1	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	22.3	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	21.5	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	20.3	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	20.6	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	20.5	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	21.9	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	22.5	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	22.0	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	22.2	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	20.5	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	20.7	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	21.0	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	21.6	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	21.3	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	19.9	58.5	6.5	4.0	6.2	7.6	9.3	11.8	15.1	26.6	55.6	124.7	269.0
1873	19.8	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	20.9	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	21.4	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	19.6	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	18.9	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	20.3	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	19.6	52.9	5.8	3.4	4.9	6.0	8.0	11.3	16.0	30.7	66.6	150.2	323.7
1880	19.3	59.2	6.0	3.3	4.8	5.9	7.6	10.6	14.7	27.5	5		

TABLE 13.—ENGLAND.—Annual Death-rates at Twelve Age-periods in Groups of Years, 1838-89.*—Males and Females.

PERIOD.	AGES.												
	ALL AGES.	0-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85 and upwds.
	DEATHS TO 1000 LIVING.												
	MALES.												
1838 to 1889.	22.6	69.2	7.7	4.3	6.0	8.1	9.4	13.0	18.9	32.7	67.8	147.3	312.6
1841-50	23.1	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	23.1	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	23.7	73.5	8.2	4.5	6.2	8.5	9.9	16.5	19.2	33.1	67.1	147.2	315.0
1871-80	22.7	68.5	6.7	3.7	5.3	7.4	9.4	13.8	20.1	34.9	69.7	150.8	327.4
1838-40	23.3	72.6	9.7	5.3	7.3	9.5	10.2	12.9	18.2	32.1	65.8	144.0	306.2
1841-45	22.2	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	24.1	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	23.5	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	22.6	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	23.7	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	23.7	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	23.3	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	22.1	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	20.4	59.6	5.8	3.2	4.6	6.0	8.2	12.7	19.4	33.6	68.8	144.6	296.4
	FEMALES.												
1838 to 1889.	20.6	59.5	7.5	4.5	6.5	7.7	9.4	11.9	15.6	28.0	60.0	134.1	287.2
1841-50	21.6	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	21.4	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	21.4	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	20.1	58.4	6.3	3.7	5.5	6.8	8.6	11.6	15.6	28.7	61.0	135.4	296.4
1838-40	21.5	62.4	9.4	5.8	8.3	9.1	10.3	12.7	15.8	28.1	57.3	130.0	278.4
1841-45	20.6	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	22.6	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	21.8	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	21.0	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	21.5	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	21.2	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	20.7	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	19.5	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	18.2	50.5	5.6	3.3	4.7	5.9	7.9	10.9	15.2	27.8	59.5	129.4	267.8

* See Note to Table 11.

TABLE 14.—ENGLAND.—Death-rates per 1000 living, at Twelve Groups of Ages in Registration Counties, 1889.

REGISTRATION COUNTY.	ALL AGES.	0-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85 & up-wards.
ENGLAND -	17.9	51.3	4.5	2.7	3.9	5.0	6.8	10.4	16.3	28.8	64.0	131.4	276.0
I.—LONDON -	17.5	53.8	4.7	2.4	3.1	3.9	6.3	11.3	18.6	31.3	66.9	137.7	289.1
II.—SOUTH EASTERN.													
1 Surrey (extra-metro.)	14.0	34.4	3.0	1.9	3.1	4.1	6.0	10.1	15.2	24.7	58.2	114.6	287.5
2 Kent (extra-metro.)	15.5	38.3	3.7	2.9	3.8	5.1	6.2	8.4	13.6	24.3	56.0	123.0	303.4
3 Sussex -	13.7	30.4	4.0	2.0	3.2	4.4	5.6	8.6	12.4	21.6	49.8	119.8	280.7
4 Hampshire -	15.8	38.4	3.4	2.2	3.5	5.2	7.0	9.8	14.3	23.8	57.0	132.5	272.0
5 Berkshire -	14.3	32.6	3.5	1.8	2.6	4.5	5.7	7.7	13.5	22.4	51.7	120.7	305.4
III.—SOUTH MIDLAND.													
6 Middlesex (ex.-metro.)	15.2	42.6	4.2	2.1	2.6	3.1	5.2	9.6	15.6	26.7	59.9	118.3	274.4
7 Hertfordshire -	15.8	33.3	2.9	2.3	3.0	4.7	6.2	8.9	13.6	25.7	58.0	134.4	349.8
8 Buckinghamshire -	15.9	36.0	3.5	1.9	3.5	4.2	6.4	8.7	11.4	22.2	62.7	135.7	307.7
9 Oxfordshire -	16.7	41.6	3.5	2.2	3.0	3.7	6.0	8.8	14.2	20.3	56.6	149.6	321.4
10 Northamptonshire -	15.8	42.2	3.9	3.0	4.0	4.4	5.7	8.4	10.9	21.5	55.6	127.1	289.0
11 Huntingdonshire -	14.8	28.6	1.9	1.4	4.5	6.4	8.2	6.1	9.6	21.8	54.8	116.6	246.3
12 Bedfordshire -	17.0	43.7	4.1	2.7	3.5	6.7	5.9	8.5	15.4	21.8	61.1	142.5	339.1
13 Cambridgeshire -	15.6	34.7	3.3	2.1	4.0	4.9	6.4	7.6	13.3	19.6	54.5	121.5	289.3
IV.—EASTERN.													
14 Essex -	16.2	43.1	4.2	2.4	3.3	4.7	6.3	9.4	13.8	23.3	55.2	123.0	300.0
15 Suffolk -	16.2	37.3	3.2	2.3	4.1	5.9	5.9	8.9	11.4	19.5	57.0	112.0	269.4
16 Norfolk -	16.9	41.7	3.2	2.5	3.9	4.9	6.4	7.9	10.9	18.7	52.5	120.2	296.5
V.—SOUTH WESTERN.													
17 Wiltshire -	16.1	35.8	2.9	2.3	3.1	4.9	6.9	9.1	12.5	22.7	55.1	129.8	263.6
18 Dorsetshire -	15.1	32.0	2.9	2.7	3.5	4.6	7.1	7.7	11.4	20.9	51.7	123.3	291.0
19 Devonshire -	18.7	50.4	5.6	2.9	3.6	6.3	7.8	8.9	14.2	23.2	56.1	122.3	292.1
20 Cornwall -	18.4	47.4	3.2	2.3	3.8	6.3	7.4	9.2	14.0	25.0	60.3	133.4	284.0
21 Somersetshire -	16.3	35.5	2.9	2.3	3.8	4.7	6.2	8.7	14.4	25.7	57.0	115.8	272.4
VI.—WEST MIDLAND.													
22 Gloucestershire -	16.2	42.2	3.1	2.6	3.7	4.5	6.2	8.8	14.2	25.5	57.8	119.7	249.4
23 Herefordshire -	16.2	36.1	2.9	1.9	3.2	4.1	5.5	8.2	12.7	27.7	55.0	119.9	329.3
24 Shropshire -	16.9	36.4	4.2	1.8	3.5	4.6	6.4	8.5	12.7	25.4	61.6	156.3	273.8
25 Staffordshire -	18.6	55.7	3.9	2.8	3.8	4.8	6.1	10.2	16.3	31.9	76.1	151.4	287.5
26 Worcestershire -	15.5	40.9	3.3	2.0	3.3	4.3	5.6	8.9	13.6	24.9	58.9	128.3	273.9
27 Warwickshire -	17.7	51.5	4.0	2.6	3.1	4.1	7.1	10.8	16.8	28.7	64.3	141.5	282.8
VII.—NORTH MIDLAND.													
28 Leicestershire -	17.2	53.6	3.5	2.1	3.4	5.0	5.4	9.0	12.9	23.4	54.5	124.6	256.1
29 Rutlandshire -	14.8	31.3	2.9	1.9	3.9	4.5	3.6	8.7	12.5	18.3	53.5	111.6	420.0
30 Lincolnshire -	16.2	41.2	3.4	2.6	4.0	5.4	6.2	8.0	11.6	21.7	52.3	121.3	294.9
31 Nottinghamshire -	17.2	53.0	3.8	2.2	4.0	4.4	6.1	8.9	12.6	25.8	55.7	133.3	274.4
32 Derbyshire -	16.3	43.2	4.3	2.8	3.8	4.6	5.8	8.0	13.8	29.9	65.1	137.8	334.0
VIII.—NORTH WESTERN.													
33 Cheshire -	18.4	53.1	4.3	2.6	4.0	5.1	7.3	10.4	16.3	34.0	73.8	145.4	295.1
34 Lancashire -	21.0	66.7	6.2	3.3	4.6	5.3	7.8	12.7	21.4	39.4	85.2	155.2	284.4
IX.—YORK.													
35 West Riding -	19.4	58.1	5.5	3.2	4.4	5.4	6.9	11.3	18.1	34.4	79.4	159.3	308.8
36 East Riding (with York)	18.9	57.6	4.0	2.7	3.9	5.3	6.8	11.0	14.9	27.0	62.1	144.2	281.8
37 North Riding -	16.6	46.7	3.9	2.8	4.0	5.0	6.3	8.4	14.0	24.8	56.3	125.9	262.5
X.—NORTHERN.													
38 Durham -	19.1	59.6	4.9	3.7	5.0	6.1	6.6	9.3	16.3	32.2	71.6	151.9	312.0
39 Northumberland -	20.9	58.8	5.1	3.7	6.2	7.4	8.6	13.4	18.9	33.5	74.9	153.2	322.9
40 Cumberland -	17.5	47.8	3.9	2.3	4.5	5.0	6.1	9.5	15.8	28.7	62.1	125.1	306.9
41 Westmorland -	16.6	37.7	3.0	2.1	5.0	5.6	4.8	8.4	12.7	25.8	72.5	132.2	338.7
XI.—WELSH.													
42 Monmouthshire -	20.3	59.8	4.0	2.5	3.9	6.3	8.1	11.3	18.2	33.9	75.0	128.7	226.6
43 South Wales -	19.3	57.0	5.3	3.8	5.6	6.7	8.4	10					

TABLE 15.—ENGLAND.—Deaths from Various Causes, 1865-89.

CAUSE OF DEATH.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	
ALL CAUSES - - -	490909	500689	471073	480622	494828	515329	514879	492265	492520	526632	546453	510315	500496	539872	526255	528624	491935	516654	522997	530828	522750	537276	530758	510071	518353	
Small-pox - - - -	6361	2977	2467	1994	1482	2547	23062	19022	2303	2084	849	2408	4278	1856	536	648	3098	1317	957	2234	2827	275	506	1026	23	
Measles - - - -	8562	10940	6588	11630	10309	7543	9298	8530	7403	12255	6173	9971	9045	7765	9185	12328	7300	12711	9329	11324	14495	12013	16765	9784	14732	
Scarlet Fever - - -	17700	11685	12300	21912	27641	32543	18567	11922	13144	24922	20469	16893	14456	18842	17613	17404	14275	13732	12649	10863	6355	5986	7859	6378	6698	
Typhus - - - -	23034	21104	16862	19701	14281	3297	2754	1864	1638	1762	1499	1165	1104	906	533	530	552	940	877	328	318	245	211	160	137	
Enteric Fever - - -	8660	8731	8461	8741	8793	8861	8913	7550	6879	7652	5860	6710	5529	6036	6078	6380	4765	5061	5155	4848	5011	5155	4848	5011	5155	
Simple and Ill-defined Fever -	8647	15764	11873	9223	10966	11901	10360	13806	9612	10862	14280	10556	11358	17784	12752	13662	10830	15259	10471	11476	13106	12936	11251	12287	12225	
Whooping-cough - - -	4145	3000	2600	3013	2606	2699	2525	2152	2531	3560	3415	3151	2731	3498	3053	2810	3153	3992	4218	5020	4471	4098	4443	4815	5368	
Diphtheria - - - -	746	778	741	439	1014	1393	811	481	435	429	791	464	477	461	494	423	450	471	455	362	495	395	475	443	393	
Other Miasmatic Diseases*	1291	14378	922	1498	702	1065	866	801	749	556	550	598	309	629	209	797	317	351	392	805	308	536	462	220	330	
Cholera - - - -	24603	18266	20813	30929	20775	26126	24937	23034	22514	21888	24729	22417	15282	25103	11463	30185	14536	17185	16933	26412	13398	24748	20242	12889	18434	
Diarrhoea, Dysentery - - -	197	258	207	163	190	265	263	166	165	193	185	143	208	209	217	167	362	345	288	276	227	215	193	159	158	
Malarial Diseases† - - -	19	36	10	7	18	32	56	39	28	61	47	53	79	50	35	29	34	28	34	28	60	26	29	14	30	
Hydrophobia - - - -	20	20	15	21	26	29	34	24	26	33	44	27	43	56	61	71	83	65	73	68	61	62	59	73	73	
Other Zoogenous Diseases - -	1885	1853	1888	2085	2087	2046	1995	2081	2078	2225	2461	2421	2353	2456	2316	2441	2334	2473	2570	2571	2452	2525	2358	2212	2328	
Venereal Diseases - - - -	1953	1665	1446	1943	1854	2120	2216	1771	2027	3358	3018	2327	2077	1870	1824	2014	2314	2435	2166	2145	1996	1523	1853	1635	1209	
Erysipelas - - - -	1333	1197	1066	1196	1181	1492	1464	1400	1740	3108	2504	1746	1444	1415	1464	1659	2287	2564	2616	2468	2420	2073	2450	2386	1852	
Puerperal Fever - - -	242	273	246	337	355	407	375	366	405	674	645	549	584	577	645	646	712	617	583	633	549	421	384	465	362	
Other Septic Diseases - - -	1244	966	1163	1124	1030	1203	1119	1039	1168	1234	1283	1242	1134	1420	927	1276	808	723	845	853	692	810	655	539	554	
Thrush - - - -	183	166	172	172	148	151	160	154	188	188	227	204	225	240	230	247	211	246	194	196	137	180	169	170	153	
Other Parasitic Diseases - -	1049	933	743	788	764	645	740	713	777	1053	1143	1120	1146	1116	928	950	1213	1323	1283	1269	1334	1392	1442	1451	1506	
Intemperance - - - -	653	606	658	557	518	602	529	450	457	477	566	480	653	707	606	705	491	480	480	307	288	264	323	328	332	
Other Dietetic Diseases - -	2530	2338	2256	2503	2753	2791	2726	2456	2503	3203	4044	3640	3574	3420	3415	3354	2429	2590	2357	2714	2912	2580	2650	2697	2258	
Rheumatic Fever, Rheumatism of Heart - - - -	8246	8487	8834	9266	9530	9650	9945	10395	10941	11336	11521	12061	12594	12722	13210	13542	14057	14614	15198	15560	16243	17113	17506	18654	18654	
Rheumatism - - - -	7875	8246	8487	8834	9266	9530	9650	9945	10395	10941	11336	11521	12061	12594	12722	13210	13542	14057	14614	15198	15560	16243	17113	17506	18654	
Cancer - - - -	53734	55714	55042	51423	52270	54231	53376	52589	51355	49379	52943	51775	51353	52856	51272	48201	47541	48715	50053	49825	48175	47872	44985	44248	44738	44738
Phthisis - - - -	16908	16335	16520	16496	16565	16694	16266	16256	16496	16596	19042	18036	18250	20321	18788	21427	18363	19245	18937	20083	17983	20203	18586	18434	19497	19497
Other Tubercular and Scrofulous Diseases - - -	669	678	680	671	735	735	805	769	827	882	940	910	1006	1057	1048	1059	1237	1253	1369	1475	1524	1684	1750	1773	1754	
Diabetes Mellitus - - -	1307	1362	1437	1401	1369	1414	1404	1329	1297	1366	1575	1736	2087	2222	2338	2493	2630	2694	2868	2954	3061	3402	3389	3732	3869	
Other Constitutional Diseases -																										

* Deaths from Relapsing Fever prior to 1869 were classed with "Simple and Ill-defined Fever," and deaths from Cerebro-spinal Fever prior to 1877 were classed with Typhus, but, since those dates, have been included under this heading.
 † Deaths of children under 5 years of age from Remittent Fever were classed with Enteric Fever from 1869 to 1880, but in previous and subsequent years have been included under this heading.

TABLE 15 (continued).—ENGLAND.—Deaths from Various Causes, 1865-89.

CAUSE OF DEATH.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
Premature Birth - - - -	8791	8943	8990	8757	8666	9195	9650	10334	10186	10527	11685	11446	11618	12002	11929	12266	12048	12434	12872	13076	12904	13642	14088	14063	14439
Atelectasis* - - - -	1298	1398	1376	1432	1454	1480	1418	1475	1491	1496	1806	1904	2091	2157	2172	2275	2196	2254	2140	2309	2375	2343	2207	2209	2276
Congenital Malformations -	28709	28546	28646	26050	27932	28889	28038	26900	29282	28604	28514	25461	26078	27483	29525	25823	26372	25765	23096	26379	27071	28451	26391	27196	26639
Convulsions - - - -	26722	27431	26258	25897	26015	26548	25309	25376	26232	27139	26061	25408	24147	24700	23853	23503	22200	23021	22677	23056	22002	22873	21659	20764	21505
Diseases of Nervous System -	33723	33889	34303	34562	35877	37727	37476	37772	40033	41248	44589	42809	43966	45936	47028	45550	46806	49666	49260	49618	51144	50264	49985	48798	48798
Dis. of Organs of Special Sense -	182	188	200	180	192	178	163	153	169	155	240	208	324	377	347	414	492	582	482	529	544	568	583	672	664
Diseases of Circulatory System -	22791	22665	23327	23030	25422	25908	26820	27625	29118	30578	33203	32585	34895	36163	38377	35390	35682	36238	39232	40667	43911	45332	46371	47821	47350
Croup - - - -	5921	5168	4387	4491	4478	4302	4116	3640	4282	5010	4542	4204	3910	4061	3574	3571	3594	4609	4591	4748	4235	3685	3979	3632	3241
Diseases of Respiratory System -	69589	76905	71789	62638	79863	81589	81330	72901	85027	90084	102951	89346	87620	95865	109921	93167	89299	93876	97865	90211	101712	100207	100892	98789	94125
Dentition - - - -	4271	4293	4300	4145	4083	4183	4108	4093	4273	4317	5212	4886	4470	4659	4256	4124	4350	4673	4762	4942	4653	4899	4219	4285	4366
Diseases of Liver, Ascites -	9598	9226	9068	9009	9323	9223	9342	9614	9645	10336	11215	10832	10717	10931	10368	10194	9953	10120	9893	9760	9797	9863	9370	8919	8835
Other Dis. of Digestive System -	12610	12209	12220	12754	12193	12773	12453	12300	12828	13784	14123	13932	14126	14456	13937	15206	14219	14825	15239	16166	15337	16971	16576	16520	17921
Diseases of Lymphatic System†	66	92	93	85	91	97	109	78	81	81	89	96	127	135	126	146	215								

TABLE 16.—ENGLAND.—Annual Death-rates, from Various Causes, to a Million Persons living, 1865-89.
(Decimals are omitted, the nearest whole number being taken. When the Deaths from any Cause were too few to give a rate of 0.5, a cipher is inserted.)

CAUSE OF DEATH.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
ALL CAUSES - - -	23216	23386	21731	21833	22266	22902	22594	21255	21040	22197	22726	20883	20263	21566	20742	20501	18876	19560	19536	19511	19010	19278	18790	17799	17865
Small-pox - - -	301	139	114	91	67	113	1012	821	98	88	35	99	173	74	21	25	119	50	86	82	103	10	18	36	1
Measles - - -	405	511	304	523	464	335	408	368	316	517	257	408	366	310	362	478	280	481	348	416	526	431	594	341	508
Scarlet Fever - - -	837	546	567	996	1244	1446	815	515	562	1050	851	691	585	753	694	675	548	520	472	399	231	215	278	222	231
Typhus - - -					193	147	121	80	70	74	62	48	55	75	21	21	21	36	33	12	12	9	7	6	5
Enteric Fever - - -					390	388	371	377	376	374	371	309	279	306	231	261	212	229	227	234	173	182	182	169	173
Simple and Ill-defined Fever - - -					239	233	186	145	132	130	108	81	78	71	55	58	44	38	36	28	24	22	18	15	14
Whooping-cough - - -	409	736	548	419	493	529	455	596	411	437	594	432	460	710	503	530	416	577	391	422	477	464	398	428	421
Diphtheria - - -	196	140	120	137	117	120	111	93	108	150	142	123	111	140	120	109	121	151	153	185	163	147	157	168	185
Other Miasmatic Diseases * - - -	35	36	34	20	46	62	36	21	19	18	33	19	19	18	19	16	17	18	17	14	18	14	16	15	14
Cholera - - -	61	672	43	68	32	47	38	35	32	25	23	25	13	25	8	31	12	13	15	30	11	19	16	8	11
Diarrhoea, Dysentery - - -	1164	853	960	1405	935	1161	1094	995	962	923	1023	917	619	1003	452	1171	558	651	595	971	487	888	717	447	635
Malarial Diseases * - - -	9	12	10	7	9	12	12	7	7	8	8	6	8	8	9	6	14	13	11	10	8	8	7	6	6
Hydrophobia - - -	1	2	0	0	1	1	2	2	1	3	2	2	3	2	1	1	1	1	1	1	2	1	1	0	1
Other Zoogenous Diseases - - -	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	3	3	2	3	2	2	2	2	2
Venereal Diseases - - -	89	87	87	95	94	91	88	90	89	94	102	99	95	98	91	95	90	94	96	94	89	91	83	77	80
Erysipelas - - -	92	78	69	85	83	94	97	76	87	142	126	95	84	75	72	78	89	92	81	79	73	55	66	57	41
Puerperal Fever - - -	63	56	49	54	53	66	64	60	74	131	104	71	53	57	53	64	88	98	93	91	88	75	87	83	64
Other Septic Diseases - - -	11	13	11	15	16	18	16	16	17	23	27	22	24	23	25	25	27	23	22	23	20	15	13	17	13
Thrush - - -	59	45	54	51	46	53	49	45	50	52	53	51	46	57	37	49	31	23	32	31	25	29	23	19	19
Other Parasitic Diseases - - -	9	8	8	8	7	7	7	7	8	4	9	8	9	10	9	10	8	9	7	7	5	6	6	6	6
Intemperance - - -	50	44	34	36	34	29	32	31	33	44	48	46	46	45	37	37	47	50	48	47	48	49	51	50	54
Other Dietetic Diseases - - -	31	28	30	25	23	27	23	19	20	20	24	20	26	28	24	27	19	18	18	11	11	10	12	12	12
Rheumatic Fever, Rheumatism } of Heart - - -	120	109	104	114	124	124	120	106	107	135	168	149	145	137	135	130	93	98	88	100	106	91	94	94	78
Rheumatism - - -																	37	35	38	32	32	31	35	33	31
Cancer - - -	372	385	392	401	417	424	423	429	444	461	471	471	488	503	501	512	520	532	546	559	566	583	606	610	643
Phthisis - - -	2541	2602	2539	2336	2352	2410	2342	2271	2194	2081	2202	2119	2079	2111	2021	1839	1824	1844	1870	1812	1752	1718	1591	1541	1542
Other Tubercular and Sero- } fulous Diseases - - -	800	763	762	750	745	742	714	702	705	700	792	738	763	812	741	831	705	729	707	738	654	726	658	642	671
Diabetes Mellitus - - -	32	32	31	30	33	33	35	33	35	37	39	37	41	42	41	41	47	47	51	54	55	59	62	62	60
Other Constitutional Diseases - - -	62	64	66	64	62	63	62	57	55	58	66	71	85	89	92	97	101	110	107	109	111	122	120	129	133

* See Notes to Table 15.

TABLE 16 (continued).—ENGLAND.—Annual Death-rates, from Various Causes, to a Million Persons living, 1865-89.

CAUSE OF DEATH.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.
Premature Birth - - -	416	418	415	398	390	409	423	446	435	444	486	468	470	479	470	476	462	471	481	481	469	489	499	490	498
Atelectasis * - - -	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	24	23	22	20	25	24	25	29	26
Congenital Malformations - - -	61	65	63	65	65	66	62	64	64	63	75	78	85	86	86	87	84	85	80	85	86	84	77	77	78
Old Age - - -	1358	1333	1321	1184	1257	1284	1230	1161	1251	1206	1186	1042	1056	1098	1164	1001	1012	976	1049	988	1018	1021	954	947	918
Convulsions - - -	1284	1281	1211	1177	1171	1180	1111	1096	1121	1144	1084	1040	978	987	940	912	852	872	847	847	801	821	767	723	742
Diseases of Nervous System - - -	1595	1583	1582	1570	1614	1677	1645	1631	1710	1739	1854	1752	1780	1835	1854	1795	1748	1772	1855	1810	1803	1835	1779	1742	1681
Dis. of Organs of Special Sense - - -	9	9	9	8	9	8	7	7	7	7	10	9	13	15	14	16	19	22	18	19	20	21	20	23	24
Diseases of Circulatory System - - -	1078	1059	1076	1049	1144	1151	1177	1193	1244	1289	1381	1333	1413	1445	1513	1372	1369	1372	1465	1495	1597	1325	1643	1666	1632
Croup - - -	280	241	202	204	202	191	181	157	183	211	189	172	158	162	141	138	138	174	171	175	154	132	141	127	112
Diseases of Respiratory System - - -	3291	3592	3312	2847	3594	3626	3569	3147	3632	3797	4282	3656	3547	3830	4332	3614	3426	3555	3656	3317	3699	3594	3572	3441	3244
Dentition - - -	202	201	198	188	184	186	180	177	183	182	217	200	181	186	168	160	175	177	178	182	169	176	149	148	150
Diseases of Liver, Ascites - - -	454	431	418	409	420	410	410	415	412	436	466	443	434	437	409	395	382	383	370	359	356	355	332	311	305
Other Dis. of Digestive System - - -	596	570	564	579	549	568	546	531	548	581	587	570	572	577	549	590	546	561	569	594	558	609	587	575	618
Diseases of Lymphatic System * - - -	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	8	9	5	6	7	8	7	8	8
Diseases of Spleen - - -	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5	4	5	5	4	4	5
Dis. of other Ductless Glands * - - -	3	3	3	5	4	4	4	4	4	4	6	6	7	9	8	8	8	9	9	9	9	10	11	10	10
Diseases of Urinary System - - -	264	276	286	280	294	298	297	303	327	336	369	364	372	375	391	372	381	394	446	438	441	445	439	438	432
Diseases of Organs of Generation - - -	62	62	65	62	62	63	58	59	59	59	63	57	60	63	60	53	63	58	58	61	60	57	58	54	50
Diseases of Parturition - - -	118	116	108	105	95	106	108	104	101	119	106	98	81	74	74	71	74	74	71	69	74	65	61	62	60
Dis. of Organs of Locomotion - - -	108	94	96	101	100	100	104	100	99	101	104	102	110	114	109	104	92	92	101	91	91	91	90	84	82
Dis. of Integumentary System - - -	71	67	66	65	66	65	63	58	62	68	79	70	80	80	73	71	61	63	66	67	64	66	61	63	57
Accident and Negligence - - -	735	705	699	681	653	651	663	663	654	670	703	662	632	667	602	589	607	581	589	563	542	534	549	519	518
Homicide - - -	21	22	18	21	17	17	17	17	17	17	15	17	14	15	12	12	14	14	12	12	11	11	12	10	10
Suicide - - -	66	62	61	69	71	69	66	65	65	67	67	72	69	70	80	77	75	74	73	75	72	80	80	81	75
Execution - - -	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	0
Ill-defined and not specified } Causes - - -	2322	2243	2233	2133	1981	1993	1935	1854	1846	1868	1643	1503	1395	1411	1302	1332	1159	1154	1183	1149	1007	1047	954	871	876

TABLE 17.—ENGLAND.—Annual Death-rates, from various Causes, to a Million Persons living, in Groups of Years, 1858-89.

CAUSE OF DEATH.	3 Years 1858-60.	5 Years 1861-65.	5 Years 1866-70.	5 Years 1871-75.	5 Years 1876-80.	5 Years 1881-85.	4 Years 1886-89.
ALL CAUSES - - - - -	22221.3	22582.0	22424.6	21962.4	20791.0	19298.6	18433.0
Small-pox - - - - -	219.3	218.6	104.8	410.8	78.4	78.0	16.3
Measles - - - - -	480.0	456.6	428.4	373.2	334.8	410.2	468.5
Scarlet Fever - - - - -	891.0	932.4	959.8	758.6	679.6	434.0	236.5
Typhus - - - - -	792.0	921.8	849.8	81.4	34.2	22.8	6.8
Enteric Fever - - - - -				373.8	277.2	215.0	176.5
Simple and Ill-defined Fever - - - - -				140.2	69.2	34.0	17.3
Whooping-cough - - - - -	494.3	515.8	545.0	498.6	527.0	456.6	427.7
Diphtheria - - - - -	372.3	247.6	126.8	120.8	121.8	155.6	164.2
Other Miasmatic Diseases* - - - - -	75.7	46.0	39.6	25.4	18.2	16.8	14.8
Cholera - - - - -	32.0	42.4	172.4	30.6	20.4	16.2	13.5
Diarrhœa, Dysentery - - - - -	777.3	874.0	1062.8	1000.4	832.4	652.4	671.7
Malarial Diseases* - - - - -	32.7	16.2	10.0	8.4	7.4	11.2	6.8
Hydrophobia - - - - -	0.0	0.4	0.8	2.0	1.8	1.2	0.8
Other Zoogenous Diseases - - - - -	0.3	0.6	1.0	1.2	1.8	2.6	2.0
Venereal Diseases - - - - -	62.3	77.6	90.8	92.6	95.6	92.6	82.7
Erysipelas - - - - -	95.0	87.4	82.4	105.6	80.8	82.8	54.8
Puerperal Fever - - - - -	55.7	56.0	55.6	86.6	61.6	92.6	77.2
Other Septic Diseases - - - - -	?	?	14.6	20.8	23.8	23.0	14.5
Thrush - - - - -	57.0	50.0	49.8	49.8	48.0	29.4	22.5
Other Parasitic Diseases - - - - -	8.0	8.6	7.6	7.0	9.2	7.2	6.0
Intemperance - - - - -	40.3	41.6	35.4	37.6	42.2	48.0	51.0
Other Dietetic Diseases - - - - -	32.0	30.4	26.6	21.2	23.0	15.4	11.5
Rheumatic Fever, Rheumatism } of Heart - - - - -	102.7	108.2	115.0	127.2	139.2	97.0	89.2
Rheumatism - - - - -						34.8	32.5
Cancer - - - - -	335.3	367.8	403.8	445.6	495.0	544.6	610.5
Phthisis - - - - -	2565.0	2526.6	2447.8	2218.0	2039.8	1820.4	1598.0
Other Tubercular and Scrofulous } Diseases - - - - -	739.0	784.4	752.4	722.6	777.0	706.6	674.2
Diabetes Mellitus - - - - -								25.7	29.2	31.8	35.8	40.4	50.8	60.8
Other Constitutional Diseases - - - - -	46.0	51.2	63.8	59.6	86.8	107.6	126.0

* See notes to Table 15.

TABLE 17 (continued).—ENGLAND.—Annual Death-rates, from various Causes, to a Million Persons living, in Groups of Years, 1858-89.

CAUSE OF DEATH.	3 Years 1858-60.	5 Years 1861-65.	5 Years 1866-70.	5 Years 1871-75.	5 Years 1876-80.	5 Years 1881-85.	4 Years 1886-89.
Premature Birth - - - - -	378.7	392.4	406.0	446.8	472.6	472.8	494.0
Atelectasis* - - - - -	?	?	?	?	?	23.4	26.0
Congenital Malformations - - - - -	57.7	61.6	64.8	65.6	84.4	84.0	79.0
Old Age - - - - -	1422.0	1352.8	1275.8	1206.8	1072.2	1008.6	960.0
Convulsions - - - - -	1296.7	1258.0	1204.0	1111.2	971.4	843.8	763.2
Diseases of Nervous System - - - - -	1484.0	1546.0	1605.2	1715.8	1803.2	1797.6	1759.2
Diseases of Organs of Special Sense - - - - -	7.0	8.0	8.6	7.6	13.4	19.6	22.0
Diseases of Circulatory System - - - - -	900.3	996.6	1095.8	1256.8	1415.2	1459.6	1641.5
Croup - - - - -	274.7	287.6	208.0	134.2	154.2	162.4	128.0
Diseases of Respiratory System - - - - -	3265.0	3320.6	3394.2	3685.4	3795.8	3530.6	3462.7
Dentition - - - - -	197.0	201.0	191.4	187.8	179.0	176.2	155.7
Diseases of Liver, Ascites - - - - -	394.0	416.0	417.6	427.8	423.6	370.0	325.7
Other Diseases of Digestive System - - - - -	628.0	603.0	566.0	558.6	571.6	565.6	597.2
Diseases of Lymphatic System* - - - - -	?	?	?	?	?	7.0	7.8
Diseases of Spleen - - - - -	3.0	3.8	4.0	3.8	5.0	4.6	4.5
Diseases of other Ductless Glands*- - - - -	1.0	1.8	3.8	4.4	7.6	8.8	10.3
Diseases of Urinary System - - - - -	217.7	246.2	286.8	326.4	374.8	420.0	438.5
Diseases of Organs of Generation - - - - -	60.7	62.0	62.8	59.6	58.6	60.0	54.8
Diseases of Parturition - - - - -	110.3	113.4	106.0	107.6	79.6	72.4	62.0
Diseases of Organs of Locomotion - - - - -	89.3	106.4	98.2	101.6	107.8	93.4	86.7
Diseases of Integumentary System - - - - -	78.3	?	65.8	66.0	74.8	64.2	61.8
Accident and Negligence - - - - -	653.0	689.6	677.8	670.6	630.4	576.4	530.0
Homicide - - - - -	18.0	19.4	19.0	16.6	14.0	12.6	10.8
Suicide - - - - -	65.3	65.2	66.4	66.0	73.6	73.8	79.0
Execution - - - - -	0.3	0.8	0.4	0.4	1.0	0.4	0.8
Ill-defined and not specified Causes - - - - -	2288.4	2207.6	2117.6	1829.6	1383.6	1131.4	937.0

* See notes to Table 15.

TABLE 18.—ENGLAND.—Annual Death-rates from the Principal Zymotic Diseases, and Infant Mortality, 1838-89.

PERIOD.	ANNUAL MORTALITY PER MILLION PERSONS LIVING, FROM THE PRINCIPAL ZYMOTIC DISEASES.										ANNUAL MORTALITY of Infants under one year of age to 1000 Births.
	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Ill-defined Fever.	Diarrhoea and Dysentery.	Cholera.	
Cols.:—1	2	3	4	5	6	7	8	9	10	11	12
1838-42 (5 years.)	576	539	797		504	1053			254	44	152
1847-50 (4 years.)	292	403	884		480	1246			900	810	154 (8 years.)
1851-60	222	412	982		505	913			918	170	154
1861-70	162	443	971	187	530	886			968	107	154
1871-80	245	379	719	121	513	58	326	105	917	26	149
1838	1064	426	380		596	1223			203	22	159
1839	589	705	666		526	1010			200	25	152
1840	661	591	1256		389	1089			260	45	154
1841	400	433	889		508	982			236	28	145
1842	168	542	794		502	1004			372	100	152
1843	—	—	—		—	—			—	—	150
1844	—	—	—		—	—			—	—	148
1845	—	—	—		—	—			—	—	143
1846	—	—	—		—	—			—	—	164
1847	246	507	857		540	1807			865	46	164
1848	397	395	1178		394	1266			787	110	154
1849	264	311	747		548	1044			1189	3033	160
1850	262	398	753		437	865			760	50	146
1851	389	521	758		440	997			941	63	154
1852	401	320	1035		440	1022			1117	76	158
1853	171	246	853		609	1008			874	240	160
1854	151	498	995		525	1015			1181	1080	157
1855	131	391	894	20	541	875			754	44	154
1856	116	373	705	32	483	847			793	40	144
1857	202	310	652	82	526	988			1189	60	156
1858	329	476	1212	329	598	918			787	35	158
1859	193	485	976	517	456	806			1001	45	153
1860	136	479	485	261	429	652			544	16	148
1861	64	450	451	225	612	767			1002	42	153
1862	78	481	728	241	602	919			597	25	142
1863	266	550	1478	315	547	874			775	39	149
1864	364	397	1418	261	409	960			832	45	153
1865	301	405	837	196	409	1089			1164	61	160
1866	139	511	546	140	736	986			853	672	160
1867	114	304	567	120	548	778			960	43	153
1868	91	528	996	137	419	895			1405	68	155
1869	67	464	1244	117	493	193	390	239	935	32	156
1870	113	335	1446	120	529	147	388	233	1161	47	160
1871	1012	498	815	111	455	121	371	186	1094	38	158
1872	821	363	515	93	596	80	377	145	995	35	150
1873	98	316	562	108	411	70	376	132	922	32	149
1874	83	517	1050	150	437	74	374	130	923	25	151
1875	35	237	851	142	594	62	371	108	1028	23	158
1876	99	498	691	129	432	48	309	81	917	25	146
1877	173	366	585	111	460	45	279	78	619	13	136
1878	74	310	753	140	710	26	306	71	1003	25	152
1879	21	362	694	120	503	21	231	58	452	8	135
1880	25	478	675	109	530	21	261	58	1171	31	153
1881	119	280	548	121	416	21	212	44	553	12	130
1882	50	481	520	151	577	36	229	38	651	13	141
1883	36	348	472	168	391	33	227	36	595	15	137
1884	82	416	369	185	422	12	234	28	971	30	147
1885	103	526	231	163	477	12	173	24	487	11	138
1886	10	431	215	147	464	9	182	22	888	19	149
1887	18	594	278	157	398	7	182	18	717	16	145
1888	36	341	222	168	428	6	169	15	447	8	136
1889	1	508	231	185	421	5	173	14	635	11	144

TABLE 19.—LONDON.—Annual Death-rates from the Principal Zymotic Disease and Infant Mortality, 1838-89.

PERIOD.	ANNUAL MORTALITY PER MILLION PERSONS LIVING, FROM THE PRINCIPAL ZYMOTIC DISEASES.										ANNUAL MORTALITY of Infants under one year of age to 1000 Births.
	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Ill-defined Fever.	Diarrhoea and Dysentery.	Cholera.	
Cols.:—1	2	3	4	5	6	7	8	9	10	11	12
1838-40 (3 years.)	1065	695	1108		804	1339			274	21	—
1841-50	402	623	863		867	979			782	688	157
1851-60	280	530	1017		877	886			1080	514	155
1861-70	276	576	1133	179	882	904			1040	243	162
1871-80	457	510	600	122	815	55	244	75	949	38	158
1838	2169	334	866		1183	2316			283	9	—
1839	353	1133	1891		646	1012			253	20	—
1840	673	617	1066		583	688			285	33	—
1841	563	520	354		1217	615			290	15	160
1842	188	677	641		839	620			448	62	157
1843	225	740	959		980	1075			516	44	163
1844	890	583	1494		637	849			410	32	152
1845	440	1122	525		879	641			455	21	149
1846	122	355	441		966	873			1096	108	157
1847	427	795	640		715	1474			1020	52	166
1848	794	511	2131		729	1647			1004	291	158
1849	229	503	943		1030	1125			1683	6196	169
1850	215	422	503		675	875			894	55	140
1851	448	547	541		921	1000			1161	90	154
1852	478	246	1061		648	901			1037	67	151
1853	86	398	820		1084	1064			1077	359	168
1854	277	563	1389		999	1125			1328	4289	164
1855	408	345	1025		957	966			860	58	152
1856	204	569	700		805	1045			929	58	150
1857	59	509	607		959	833			1251	81	156
1858	90	884	1561		1010	716			828	49	160
1859	425	488	1277	284	639	675			1289	71	150
1860	323	752	726	174	744	531			535	18	153
1861	77	377	846	239	1260	656			973	60	155
1862	128	816	1221	255	758	1284			643	37	143
1863	687	562	1706	275	749	988			858	55	151
1864	185	942	1097	207	819	1278			1018	53	169
1865	214	431	727	144	980	1074			1242	65	171
1866	457	730	622	152	978	884			1083	1840	172
1867	436	370	470	145	738	708			992	78	159
1868	190	625	929	158	745	786			1309	103	166
1869	87	468	1839	107	1187	225	337	194	1100	69	170
1870	302	450	1875	104	607	147	303	177	1184	74	164
1871	2422	437	582	105	701	118	267	133	1214	68	171
1872	537	505	276	80	979	52	242	97	1078	54	153
1873	34	637	191	95	777	82	269	96	1171	48	160
1874	17	490	773	122	545	91	256	78	934	36	156
1875	13	404	1056	167	920	37	235	98	944	31	162
1876	207	485	651	109	771	45	217	57	1010	38	157
1877	710	664	439	88	505	44	251	54	673	24	146
1878	388	411	495	155	1227	41	283	54	967	34	164
1879	121	667	717	155	791	19	229	43	510	14	148
1880	125	402	820	144	930	20	186	35	989	35	158
1881	618	662	552	171	515	24	253	35	797	25	148
1882	110	601	515	220	1203	14	250	24	551	20	151
1883	34	617	507	241	404	14	243	26	670	21	146
1884	223	563	855	236	783	8	230	19	963	40	166
1885	224	712	177	221	608	7	146	19	667	19	148
1886	1	503	166	205	692	3	149	18	963	33	169
1887	2	639									

TABLE 20.—ENGLAND.—Death-rates from several Causes in Registration Counties, 1889.

REGISTRATION COUNTY.	Estimated Population in the middle of 1889.*	DEATH-RATE, PER MILLION PERSONS LIVING, FROM																								
		ALL CAUSES.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Ill-defined Fever.	Diarrhea and Dysentery.	Cholera.	Cancer.	Tubercular Mesenteric.	Phthisis.	Other Tubercular and Scrofulous Diseases.	Diseases of Nervous System.	Diseases of Circulatory System.	Diseases of Respiratory System.	Diseases of Digestive System.	Diseases of Urinary System.	Diseases of Organs of Generation.	Puerperal Fever.	Childbirth.	Violence.	Other Causes.
ENGLAND	29,015,613	17865	1	508	231	185	421	5	173	14	635	11	643	263	1542	408	2123	1632	3356	1073	432	50	64	60	603	3132
I.—LONDON	4,351,738	17470	-	530	177	371	411	4	124	10	619	14	696	293	1786	487	2024	1498	3502	684	466	62	56	41	673	2642
II.—SOUTH EASTERN.																										
Surrey (extra-metropolitan)	555,758	13977	2	249	52	144	338	-	86	23	282	9	686	176	1535	345	2247	1506	2112	880	387	54	49	38	431	2296
Kent (extra-metropolitan)	778,399	15542	5	348	95	190	249	5	125	10	474	6	764	208	1398	373	2133	1701	2396	990	432	63	45	73	592	2867
Sussex	561,189	13740	-	176	46	244	200	-	94	7	323	-	805	141	1484	383	1737	1527	2033	875	424	52	25	59	469	2636
Hampshire	617,507	15810	3	191	52	160	332	-	188	21	429	6	721	261	1723	351	2121	1864	2359	1002	491	39	52	53	489	2952
Berkshire	267,078	14333	-	157	22	277	262	-	56	-	348	4	715	86	1191	374	2044	1812	2314	936	438	30	37	41	464	2725
III.—SOUTH MIDLAND.																										
Middlesex (extra-metropolitan)	511,124	15159	-	282	133	327	235	-	119	10	513	6	636	252	1319	454	2150	1399	2593	1027	423	43	72	33	485	2543
Hertfordshire	207,910	15763	-	346	77	115	308	-	29	5	375	-	736	139	1352	322	2799	1914	2342	981	544	48	19	53	471	2786
Buckinghamshire	155,760	15909	-	360	77	141	212	6	167	13	366	-	636	193	1194	437	2343	1817	2607	1085	424	45	58	53	539	3111
Oxfordshire	182,416	16742	-	619	38	88	351	-	99	11	384	-	746	153	1382	334	2472	1858	2319	1031	433	49	38	49	493	3795
Northamptonshire	301,695	15758	-	484	176	172	341	-	129	3	507	-	673	182	1326	447	2164	1584	2406	991	335	40	70	56	487	3185
Huntingdonshire	49,298	14803	-	-	20	81	162	20	183	-	162	-	1075	162	1461	264	1805	1359	1907	974	487	20	20	61	487	4098
Bedfordshire	155,702	16981	-	244	206	161	353	-	96	19	456	13	732	148	1426	411	2672	1721	2524	1124	514	45	83	51	430	3552
Cambridgeshire	190,106	15619	-	37	79	126	247	-	121	21	342	-	873	189	1447	300	2073	1746	2225	910	494	58	32	42	531	3756
IV.—EASTERN.																										
Essex	661,552	16165	2	443	190	218	290	2	168	14	478	8	647	237	1454	422	2252	1581	2753	951	374	53	65	67	488	3026
Suffolk	356,946	16204	3	146	11	163	448	3	109	11	434	6	784	230	1440	398	2177	1709	2272	1006	420	43	59	62	507	3747
Norfolk	441,294	16382	-	202	39	113	183	2	204	5	580	2	718	195	1328	286	2320	1745	2429	959	374	34	54	77	433	4547
V.—SOUTH WESTERN.																										
Wiltshire	249,439	16033	-	441	32	124	349	-	80	4	212	4	678	225	1303	269	2339	2073	2943	958	581	40	44	76	417	2826
Dorsetshire	180,755	15076	-	277	33	144	199	-	227	6	177	-	796	77	1289	332	2351	1848	2423	1012	387	39	22	44	481	2912
Devonshire	607,085	15386	3	440	633	163	377	-	152	18	385	8	903	226	1651	395	2444	2011	3260	1049	509	53	46	56	572	3312
Cornwall	300,558	18432	3	70	83	70	186	3	173	3	336	7	742	196	1747	356	2592	2023	2994	1135	446	60	27	47	536	4597
Somersetshire	494,759	16267	-	283	42	89	256	4	125	6	305	-	752	154	1293	338	2318	2062	2735	1027	494	55	46	57	532	3373

* The Populations of the counties have been estimated to the middle of 1889 from the numbers enumerated at the Censuses in 1871 and 1881.

TABLE 20 (continued).—ENGLAND.—Death-rates from several Causes in Registration Counties, 1889.

REGISTRATION COUNTY.	Estimated Population in the middle of 1889.*	DEATH-RATE PER MILLION PERSONS LIVING FROM																								
		ALL CAUSES.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Ill-defined Fever.	Diarrhea and Dysentery.	Cholera.	Cancer.	Tubercular Mesenteric.	Phthisis.	Other Tubercular and Scrofulous Diseases.	Diseases of Nervous System.	Diseases of Circulatory System.	Diseases of Respiratory System.	Diseases of Digestive System.	Diseases of Urinary System.	Diseases of Organs of Generation.	Puerperal Fever.	Childbirth.	Violence.	Other Causes.
VI.—WEST MIDLAND.																										
Gloucestershire	554,164	16208	-	272	61	87	395	2	128	11	366	4	668	193	1278	348	2257	1749	2873	994	514	36	36	63	601	3272
Herefordshire	114,465	16206	-	699	26	96	183	-	44	17	218	17	681	149	970	201	2525	2324	2778	1040	489	52	17	26	577	3077
Shropshire	264,488	16878	-	147	87	185	386	3	110	4	359	-	824	147	1259	344	2242	2068	3097	1161	397	34	57	76	522	3364
Staffordshire	1,121,897	18585	-	562	183	79	447	8	163	14	833	7	501	325	1194	329	2539	1429	3753	1014	419	40	65	64	656	3997
Worcestershire	424,250	15475	-	349	47	115	302	8	123	26	648	2	617	313	1119	255	1918	1699	2583	985	455	52	52	71	493	3246
Warwickshire	820,581	17724	-	483	251	128	495	1	104	13	109	7	671	234	1501	307	2086	1632	3446	947	430	84	55	56	697	3187
VII.—NORTH MIDLAND.																										
Leicestershire	374,117	17214	-	422	40	115	353	-	200	5	1024	13	652	211	1203	388	2542	1518	2817	992	412	35	48	59	593	3572
Rutlandshire	22,886	14313	-	218	218	44	333	-	87	-	262	-	524	87	1442	175	1791	1923	2010	481	524	44	-	-	524	4066
Lincolnshire	491,462	16241	-	153	214	79	470	-	177	4	596	14	743	230	1276	311	2413	1634	2653	1076	368	41	31	75	519	3162
Nottinghamshire	518,988	17249	-	220	227	62	524	-	268	8	819	10	563	370	1430	354	2250	1511	2979	1112	341	60	52	58	559	3472
Derbyshire	443,699	16347	-	322	279	99	485	2	137	16	661	11	530	270	1086	381	2434	1517	3191	1084	363	45	63	61	554	2856
VIII.—NORTH WESTERN.																										
Cheshire	696,234	18436	-	527	221	118	562	1	225	11	573	27	633	240	1512	409	2561	1670	3341	1206	408	53	69	59	666	3344
Lancashire	4,095,021	21045	2	967	437	238	553	15	273	20	926	20	523	316	1645	442	2711	1691	4612	1284	437	50	100	62	658	3163
IX.—YORK.																										
West Riding	2,515,888	19365	1	679	442	120	489	3	207	24	761	16	581	260	1617	438	2822	1606	4018	1112	409	43	76	64	543	3014
East Riding (with York)	413,779	18923	-	565	128	87	585	5	229	10	933	27	616	316	1544	353	2973	1576	3466	930	399	56	51	63	604	3407
North Riding	380,587	16574	-	352	242	181	504	3	163	21	604	18	568	352	1206	318	2336	1616	3003	983	363	39	76	76	536	3014
X.—NORTHERN.																										
Durham	1,055,378	19075	-	555	244	105	502	15	248	18	1025	15	463	443	1628	537	2524	1379	3507	1286	312	35	66	66	698	3404
Northumberland	475,053	20854	-	453	213	141	570	13	202	32	825	6	634	522	2181											

TABLE 21.—ENGLAND.—Death-rates of Persons, Males, and Females, from various Causes, 1889.

CAUSE OF DEATH.	Deaths to 1,000,000 living.			CAUSE OF DEATH.	Deaths to 1,000,000 living.			CAUSE OF DEATH.	Deaths to 1,000,000 living.		
	Persons.	Males.	Females.		Persons.	Males.	Females.		Persons.	Males.	Females.
ALL CAUSES - - -	17865	18846	16934	Inflammation of Brain or its Membranes - - -	295	324	287	Acute Nephritis - - -	47	53	42
Small-pox - - -	1	1	1	Apoplexy - - -	549	516	581	Bright's Disease - - -	244	273	216
Chicken-pox - - -	3	3	3	Softening of Brain - - -	114	128	100	Uremia - - -	17	18	17
Measles - - -	508	546	471	Hemiplegia, Brain Paralysis - - -	293	279	306	Suppression of Urine - - -	4	5	2
Epidemic Rose Rash - - -	5	6	4	Paralysis Agitans - - -	7	8	7	Calculus - - -	8	13	4
Scarlet Fever - - -	231	237	225	Insanity, General Paralysis of Insane - - -	95	124	68	Hæmaturia - - -	4	6	2
Typhus - - -	5	6	4	Chorea - - -	3	2	5	Diseases of Bladder and of Prostate - - -	73	134	16
Relapsing Fever - - -	0	0	0	Epilepsy - - -	100	106	95	Other Diseases of Urinary System - - -	35	46	24
Influenza - - -	2	2	2	Convulsions - - -	742	863	625	Ovarian Disease - - -	17	-	33
Whooping-cough - - -	421	398	443	Laryngismus Stridulus - - -	23	31	16	Diseases of Uterus and Vagina - - -	22	-	41
Mumps - - -	3	4	2	Idiopathic Tetanus - - -	2	2	1	Disorders of Menstruation - - -	3	-	5
Diphtheria - - -	185	173	196	Paraplegia, Diseases of Spinal Cord - - -	65	78	54	Pelvic Abscess - - -	5	-	10
Cerebro-spinal Fever - - -	1	1	1	Other Diseases of Nervous System - - -	135	150	121	Perineal Abscess - - -	1	2	0
Simple and Ill-defined Fever - - -	14	13	16	Otitis, Otorrhœa - - -	18	22	14	Diseases of Testes, Penis, Scrotum, &c. - - -	2	4	-
Enteric Fever - - -	173	184	162	Epistaxis and Diseases of Nose - - -	3	3	3	Abortio, Miscarriage - - -	3	-	6
Other Miasmatic Diseases - - -	0	0	0	Ophthalmia and Diseases of Eye - - -	3	3	2	Puerperal Mania - - -	3	-	6
Cholera - - -	11	12	10	Endocarditis, Valvular Dis. - - -	264	254	274	Puerperal Convulsions - - -	11	-	21
Diarrhœa, Dysentery - - -	635	689	584	Pericarditis - - -	15	18	12	Placenta Prævia, Flooding - - -	25	-	49
Remittent Fever - - -	3	3	2	Hypertrophy of Heart - - -	11	11	10	Phlegmasia Dolens - - -	2	-	4
Ague - - -	3	4	2	Angina Pectoris - - -	23	30	17	Other Accidents of Child-birth - - -	16	-	31
Hydrophobia - - -	1	2	1	Syncope - - -	64	67	62	Caries, Necrosis - - -	37	44	30
Glanders - - -	0	0	0	Aneurism - - -	28	45	13	Arthritis, Ostitis, Periostitis - - -	7	9	6
Splenic Fever - - -	0	0	0	Senile Gangrene - - -	49	58	41	Other Diseases of Organs of Locomotion - - -	38	44	33
Cow-pox and other Effects of Vaccination - - -	2	2	2	Embolism, Thrombosis - - -	37	29	45	Carbuncle - - -	6	7	4
Syphilis - - -	71	76	66	Pneumonia - - -	4	4	5	Phlegmon, Cellulitis - - -	8	10	6
Gonorrhœa, Stricture of Urethra - - -	9	19	0	Pleurisy - - -	46	56	35	Lupus - - -	2	2	8
Phagedæna - - -	2	1	2	Other Diseases of Respiratory System - - -	145	159	131	Ulcer, Bedsore - - -	19	14	23
Erysipelas - - -	41	42	41	Laryngitis - - -	50	55	45	Eczema - - -	13	16	11
Pyæmia, Septicæmia - - -	11	12	10	Croup - - -	112	122	102	Pemphigus - - -	3	3	4
Puerperal Fever - - -	64	-	124	Other Diseases of Larynx and Trachea - - -	6	8	5	Other Diseases of Integumentary System - - -	6	5	7
Thrush - - -	19	22	17	Empysemæ, Asthma - - -	77	96	59	Fractures and Contusions - - -	235	382	95
Other Dis. from Vegetable parasites - - -	0	0	0	Bronchitis - - -	1913	1972	1868	Gunshot Wounds - - -	3	6	1
Hydatid Disease - - -	2	1	2	Pneumonia - - -	1002	1179	834	Cut, Stab - - -	4	6	2
Other Dis. from Animal parasites - - -	4	3	4	Pleurisy - - -	46	56	35	Burn, Scald - - -	75	76	75
Starvation, Want of Breast Milk - - -	11	12	9	Stomatitis - - -	22	23	21	Poison - - -	13	18	8
Scurvy - - -	1	1	1	Dentition - - -	150	171	131	Drowning - - -	88	154	26
Intem- } Chron. Alcoholism - - -	41	49	34	Sore Throat, Quinsy - - -	20	21	19	Suffocation - - -	69	76	62
perance } Delirium Tremens - - -	13	22	4	Dyspepsia - - -	18	18	19	Otherwise - - -	31	47	15
Rheumatic Fever, Rheumatism of Heart - - -	78	80	76	Hæmatemesis - - -	12	15	10	Murder, Manslaughter - - -	10	11	9
Rheumatism - - -	31	29	32	Melæna - - -	5	5	4	Gunshot Wounds - - -	7	13	0
Gout - - -	19	31	7	Diseases of Stomach - - -	120	112	127	Cut, Stab - - -	13	22	4
Rickets - - -	33	38	29	Enteritis - - -	158	165	149	Poison - - -	9	11	7
Cancer - - -	643	488	790	Ulceration of Intestine - - -	16	16	17	Drowning - - -	17	22	13
Tabes Mesenterica - - -	263	285	243	Ileus, Obstruction of Intestine - - -	69	66	71	Hanging - - -	22	35	9
Tubercular Meningitis (Acute Hydrocephalus) - - -	229	259	201	Stricture or Strangulation of Intestine - - -	7	6	8	Otherwise - - -	7	11	3
Phthisis - - -	1542	1679	1413	Intussusception of Intestine - - -	16	19	14	Execution - - -	0	1	-
Other Forms of Tuberculosis, Scrofula - - -	179	193	166	Hernia - - -	45	45	45	Dropsy - - -	9	6	11
Purpura, Hæmorrhagic Diathesis - - -	13	14	12	Fistula - - -	3	4	2	Debility, Atrophy, Inanition - - -	783	822	652
Anæmia, Chlorosis, Leucocythæmia - - -	49	38	60	Peritonitis - - -	82	79	84	Mortification - - -	1	1	1
Diabetes Mellitus - - -	60	69	52	Ascites - - -	8	6	10	Tumour - - -	5	3	7
Other Constitutional Dis. - - -	19	14	24	Gallstones - - -	10	7	13	Abscess - - -	20	19	21
Premature Birth - - -	498	574	425	Cirrhosis of Liver - - -	118	136	101	Hæmorrhage - - -	4	5	3
Atelectasis - - -	26	32	20	Other Diseases of Liver - - -	169	166	170	Sudden (Cause unascertained) - - -	13	16	10
Cyanosis - - -	33	39	28	Other Diseases of Digestive System - - -	25	27	23	Other Ill-defined and not specified Causes - - -	91	105	79
Spina Bifida - - -	21	20	22	Diseases of Lymphatic System - - -	8	9	7				
Imperforate Anus - - -	6	9	4	Diseases of Spleen - - -	5	5	4				
Cleft Palate, Harelip - - -	7	8	6	Bronchocele - - -	5	2	8				
Other Congenital Defects - - -	11	12	10	Addison's Disease - - -	5	4	5				
Old Age - - -	918	798	1032								

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

TABLE 22.—ENGLAND.—Deaths from various Causes, to a Million Deaths from All Causes, 1889.

CAUSE OF DEATH.	Proportional Number.	CAUSE OF DEATH.	Proportional Number.	CAUSE OF DEATH.	Proportional Number.
ALL CAUSES - - -	1,000,000	Inflammation of Brain or its Membranes - - -	16515	Acute Nephritis - - -	2655
Small-pox - - -	45	Apoplexy - - -	30724	Bright's Disease - - -	13637
Chicken-pox - - -	160	Softening of Brain - - -	6364	Uremia - - -	959
Measles - - -	28421	Hemiplegia, Brain Paralysis - - -	16392	Suppression of Urine - - -	216
Epidemic Rose Rash - - -	286	Paralysis Agitans - - -	411	Calculus - - -	467
Scarlet Fever - - -	12922	Insanity, General Paralysis of Insane - - -	5305	Hæmaturia - - -	201
Typhus - - -	264	Chorea - - -	183	Diseases of Bladder and of Prostate - - -	4096
Relapsing Fever - - -	106	Epilepsy - - -	5624	Other Diseases of Urinary System - - -	1947
Influenza - - -	23584	Convulsions - - -	41497	Ovarian Disease - - -	961
Whooping-cough - - -	152	Laryngismus Stridulus - - -	1312	Diseases of Uterus and Vagina - - -	1190
Mumps - - -	10356	Idiopathic Tetanus - - -	96	Disorders of Menstruation - - -	156
Diphtheria - - -	44	Paraplegia, Diseases of Spinal Cord - - -	3664	Pelvic Abscess - - -	299
Cerebro-spinal Fever - - -	797	Other Diseases of Nervous System - - -	7549	Perineal Abscess - - -	79
Enteric Fever - - -	9667	Otitis, Otorrhœa - - -	982	Diseases of Testes, Penis, Scrotum, &c. - - -	104
Other Miasmatic Diseases - - -	4	Epistaxis and Diseases of Nose - - -	158	Abortio, Miscarriage - - -	170
Cholera - - -	637	Ophthalmia and Diseases of Eye - - -	141	Puerperal Mania - - -	168
Diarrhœa, Dysentery - - -	35563	Endocarditis, Valvular Disease - - -	14781	Puerperal Convulsions - - -	604
Remittent Fever - - -	149	Pericarditis - - -	831	Placenta Prævia, Flooding - - -	1401
Ague - - -	156	Hypertrophy of Heart - - -	588	Phlegmasia Dolens - - -	110
Hydrophobia - - -	58	Angina Pectoris - - -	1308	Other Accidents of Childbirth - - -	891
Glanders - - -	15	Syncope - - -	3590	Caries, Necrosis - - -	2068
Splenic Fever - - -	14	Aneurism - - -	1590	Arthritis, Ostitis, Periostitis - - -	411
Cow-pox and other Effects of Vaccination - - -	112	Senile Gangrene - - -	2747	Other Diseases of Organs of Locomotion - - -	2143
Syphilis - - -	3961	Embolism, Thrombosis - - -	2068	Carbuncle - - -	309
Gonorrhœa, Stricture of Urethra - - -	531	Phlebitis - - -	251	Phlegmon, Cellulitis - - -	451
Phagedæna - - -	96	Varicose Veins - - -	195	Lupus - - -	135
Erysipelas - - -	2332	Other Diseases of Circulatory System - - -	63397	Ulcer, Bedsore - - -	1049
Pyæmia, Septicæmia - - -	602	Laryngitis - - -	2774	Eczema - - -	749
Puerperal Fever - - -	3573	Croup - - -	6252	Pemphigus - - -	195
Thrush - - -	1069	Other Diseases of Larynx and Trachea - - -	349	Other Diseases of Integumentary System - - -	355
Other Diseases from Vegetable parasites - - -	8	Empysemæ, Asthma - - -	4314	Fractures and Contusions - - -	13128
Hydatid Disease - - -	91	Bronchitis - - -	107406	Gunshot Wounds - - -	176
Other Diseases from Animal parasites - - -	197	Pneumonia - - -	56083	Cut, Stab - - -	235
Starvation, Want of Breast-milk - - -	598	Pleurisy - - -	2548	Burn, Scald - - -	4209
Scurvy - - -	42	Other Diseases of Respiratory System - - -	8110	Poison - - -	725
Intem- } Chron. Alcoholism - - -	2319	Stomatitis - - -	1212	Drowning - - -	4939
perance } Delirium Tremens - - -	702	Dentition - - -	8423	Suffocation - - -	3851
Rheumatic Fever, Rheumatism of Heart - - -	4356	Sore Throat, Quinsy - - -	1127	Otherwise - - -	1723
Rheumatism - - -	1730	Dyspepsia - - -	1032	Murder, Manslaughter - - -	559
Gout - - -	1051	Hæmatemesis - - -	698	Gunshot Wounds - - -	380
Rickets - - -	1852	Melæna - - -	253	Cut, Stab - - -	735
Cancer - - -	35987	Diseases of Stomach - - -	6706	Poison - - -	502
Tabes Mesenterica - - -	14749	Enteritis - - -	8737	Drowning - - -	970
Tubercular Meningitis (Acute Hydrocephalus) - - -	12823	Ulceration of Intestine - - -	899	Hanging - - -	1212
Phthisis - - -	86308	Ileus, Obstruction of Intestine - - -	3851	Otherwise - - -	388
Other Forms of Tuberculosis, Scrofula - - -	10041	Stricture or Strangulation of Intestine - - -	401	Execution - - -	23
Purpura, Hæmorrhagic Diathesis - - -	723	Intussusception of Intestine - - -	922	Dropsy - - -	496
Anæmia, Chlorosis, Leucocythæmia - - -	2763	Hernia - - -	2537	Debility, Atrophy, Inanition - - -	41113
Diabetes Mellitus - - -	3384	Fistula - - -	189	Mortification - - -	60
Other Constitutional Diseases - - -	1075	Peritonitis - - -	4580	Tumour - - -	270
Premature Birth - - -	27856	Ascites - - -	461	Abscess - - -	1105
Atelectasis - - -	1437	Gallstones - - -	558	Hæmorrhage - - -	241
Cyanosis - - -	1858	Cirrhosis of Liver - - -	6619	Sudden (Cause unascertained) - - -	727
Spina Bifida - - -	175	Other Diseases of Liver - - -	9407	Other ill-defined and not specified Causes - - -	5116
Imperforate Anus - - -	363	Other Diseases of Digestive System - - -	1379		
Cleft Palate, Harelip - - -	395	Diseases of Lymphatic System - - -	444		
Other Congenital Defects - - -	600	Diseases of Spleen - - -	255		
Old Age - - -	51392	Bronchocele - - -	293		
		Addison's Disease - - -	262		

TABLE 23.—ENGLAND.—Death-rates from Measles, Scarlet Fever, Fever, Whooping-cough, and Puerperal Fever and Childbirth, in Registration Counties, in 1879-88, and 1889.

REGISTRATION COUNTY.	TO A MILLION PERSONS LIVING.								TO 1000 BIRTHS.	
	Measles.		Scarlet Fever.		Fever (Typhus, Enteric, Simple and Ill-defined).		Whooping-cough.		Puerperal Fever, and Accidents of Childbirth.	
	Ten Years 1879-88.	1889.	Ten Years 1879-88.	1889.	Ten Years 1879-88.	1889.	Ten Years 1879-88.	1889.	Ten Years 1879-88.	1889.
ENGLAND - - -	427	508	425	231	262	192	461	421	4.62	4.05
I.—LONDON - - -	697	530	444	177	233	138	732	411	3.87	3.19
II.—SOUTH EASTERN.										
Surrey (<i>extra-metrop.</i>) -	259	249	168	52	148	109	366	388	4.43	3.21
Kent (<i>extra-metrop.</i>) -	240	348	175	95	214	140	332	249	3.96	4.03
Sussex - - -	224	176	156	46	170	101	349	200	4.18	3.35
Hampshire - - -	343	191	119	52	285	159	307	332	4.22	3.49
Berkshire - - -	293	157	211	22	145	56	328	262	4.41	2.78
III.—SOUTH MIDLAND.										
Middlesex (<i>extra-metrop.</i>) -	344	282	249	133	210	129	541	235	4.04	3.20
Hertfordshire - - -	253	346	188	77	165	34	391	308	4.25	2.74
Buckinghamshire - - -	321	360	233	77	206	186	373	212	4.33	3.88
Oxfordshire - - -	255	619	218	38	167	110	253	351	4.39	2.94
Northamptonshire - - -	388	484	296	176	233	132	383	341	4.54	4.14
Huntingdonshire - - -	197	—	268	20	233	103	259	162	3.59	2.83
Bedfordshire - - -	285	244	295	206	163	115	399	353	3.77	4.38
Cambridgeshire - - -	228	37	231	79	189	142	404	247	4.29	2.52
IV.—EASTERN.										
Essex - - -	338	443	325	190	228	184	563	290	3.67	3.76
Suffolk - - -	193	146	150	11	160	123	400	443	3.62	3.42
Norfolk - - -	210	202	283	39	229	211	331	186	4.48	4.39
V.—SOUTH WESTERN.										
Wiltshire - - -	234	441	207	32	144	84	243	349	4.71	4.11
Dorsetshire - - -	283	277	121	33	119	233	250	199	4.54	2.29
Devonshire - - -	478	440	141	633	230	170	353	377	4.81	3.62
Cornwall - - -	234	70	205	83	267	179	494	186	4.58	2.44
Somersetshire - - -	259	283	220	42	162	135	313	256	4.14	3.52
VI.—WEST MIDLAND.										
Gloucestershire - - -	363	272	345	61	174	141	353	395	4.46	3.51
Herefordshire - - -	193	699	228	26	97	61	234	183	5.09	1.67
Shropshire - - -	188	147	277	87	203	122	261	386	5.41	4.87
Staffordshire - - -	480	562	479	183	261	179	447	447	4.47	3.82
Worcestershire - - -	323	349	332	47	260	154	315	302	4.62	4.28
Warwickshire - - -	395	483	333	251	184	118	502	495	4.24	3.66
VII.—NORTH MIDLAND.										
Leicestershire - - -	397	422	517	40	234	205	362	353	4.31	3.28
Rutlandshire - - -	209	218	196	218	95	87	227	393	3.22	—
Lincolnshire - - -	174	153	313	214	126	183	325	470	4.19	3.80
Nottinghamshire - - -	446	220	529	227	304	276	427	524	4.79	3.47
Derbyshire - - -	329	322	511	279	232	155	352	485	4.99	4.13
VIII.—NORTH WESTERN.										
Cheshire - - -	410	527	440	221	271	237	374	562	5.15	4.20
Lancashire - - -	644	967	593	437	378	308	536	553	5.28	5.15
IX.—YORK.										
West Riding - - -	884	679	622	442	296	234	453	489	5.09	4.69
East Riding (with York) -	289	565	591	128	325	244	402	585	3.96	3.72
North Riding - - -	274	352	432	242	298	187	359	504	4.65	5.37
X.—NORTHERN.										
Durham - - -	462	555	770	244	390	281	424	502	4.90	3.91
Northumberland - - -	432	453	625	213	337	247	423	570	5.12	5.40
Cumberland - - -	419	1247	314	29	204	116	418	2.4	5.00	4.37
Westmorland - - -	142	406	288	141	205	94	179	344	4.16	5.98
XI.—WELSH.										
Monmouthshire - - -	563	480	574	49	277	195	435	525	5.09	4.87
South Wales - - -	439	476	640	489	361	250	388	461	5.97	5.21
North Wales - - -	266	103	350	79	208	138	296	317	6.34	5.08

TABLE 24.—ENGLAND. Death-rates in Town* and Country Districts, 1851-89.

YEAR.	Persons to a Square Mile in England and Wales.	ANNUAL DEATHS to 1000 Persons living in			Deaths in Town Districts to 100 Deaths in Country Districts, in equal Numbers living.
		England and Wales.	Town* Districts.	Country Districts.	
1851-60 - - -	325	22.2	24.7	19.9	124
1861-70 - - -	365	22.5	24.8	19.7	126
1871-80 - - -	415	21.4	23.1	19.0	122
1881 - - -	447	18.9	20.1	16.9	119
1882 - - -	454	19.6	20.9	17.3	121
1883 - - -	460	19.5	20.5	17.9	115
1884 - - -	466	19.5	20.6	17.7	116
1885 - - -	473	19.0	19.7	17.8	111
1886 - - -	479	19.3	20.0	18.0	111
1887 - - -	485	18.8	19.7	17.2	115
1888 - - -	492	17.8	18.4	16.7	110
1889 - - -	499	17.9	18.6	16.5	113

* For names of the Districts and Sub-districts taken to represent the Town Districts of England and Wales from 1851 to 1880, see Registrar-General's Forty-third Annual Report, page cv. For description of the Districts taken for 1881-89, see Table 25 below.

TABLE 25.—ENGLAND. Town and Country Districts.—Annual Death-rates in each Quarter of the Eight Years, 1881-89.

	Area in Acres.	ESTI-MATED POPU-LATION in the middle of 1889.	Quarter ending	ANNUAL RATE of MORTALITY per 1000 in each Quarter of the Years								
				1881	1882	1883	1884	1885	1886	1887	1888	1889
ENGLAND AND WALES -	37,239,351	29,015,613	YEAR -	18.9	19.6	19.5	19.5	19.0	19.3	18.8	17.8	17.9
			March	21.5	21.5	22.2	19.5	21.8	22.8	20.5	21.0	19.5
			June	18.6	19.0	20.0	18.9	19.3	18.0	18.2	17.5	17.2
			Sept.	16.8	17.8	16.8	19.7	16.5	17.5	17.6	15.0	16.7
			Dec.	18.7	20.0	19.2	19.9	18.5	18.5	18.8	17.8	18.1
TOWN DISTRICTS.			YEAR -	20.1	20.9	20.5	20.6	19.7	20.0	19.7	18.4	18.6
			March	22.6	22.9	23.0	20.3	22.1	23.3	21.0	21.3	19.9
			June	19.2	20.0	20.6	19.6	20.0	18.2	18.8	17.7	17.7
			Sept.	18.3	19.3	18.1	21.5	17.5	19.1	19.0	15.7	17.9
			Dec.	20.2	21.4	20.5	21.0	19.4	19.4	19.9	19.0	19.0
COUNTRY DISTRICTS.			YEAR -	16.9	17.3	17.9	17.7	17.8	18.0	17.2	16.7	16.5
			March	19.7	19.2	21.0	18.3	21.3	22.0	19.7	20.6	18.6
			June	17.5	17.4	19.2	17.7	18.2	17.7	17.2	17.2	16.3
			Sept.	14.2	15.2	14.6	16.7	14.7	15.6	15.2	13.6	14.7
			Dec.	16.1	17.6	16.9	18.0	17.1	16.8	13.9	15.6	16.3

TABLE 26.—ENGLAND. Names on the Registers, Searches, and Fees received, at the General Register Office, 1840-89.

YEAR.	NAMES ON THE REGISTERS AT THE END OF EACH YEAR.				SEARCHES IN THE REGISTERS, INCLUDING NON-PAROCIAL.	
	PERSONS MARRIED.	BIRTHS.	DEATHS.	TOTAL.	NUMBER.	AMOUNT RECEIVED FOR SEARCHES AND FOR CERTIFICATES.
1840	844,754	1,622,780	1,190,182	3,657,666	Not known.	£ 33 5 6
1841	1,089,746	2,134,938	1,533,979	4,758,663		124 7 6
1842	1,327,396	2,652,677	1,883,498	5,863,571		290 15 0
1843	1,575,032	3,180,002	2,229,943	6,984,977		2,186 311 16 6
1844	1,839,530	3,720,765	2,586,876	8,147,171		2,409 342 16 6
1845	2,127,016	4,264,286	2,936,242	9,327,544		2,269 329 1 6
1846	2,418,344	4,836,911	3,326,557	10,581,812		2,262 329 7 0
1847	2,690,034	5,376,876	3,749,861	11,816,771		2,278 339 13 0
1848	2,966,494	5,939,935	4,149,694	13,056,123		2,544 365 11 6
1849	3,250,260	6,518,094	4,590,533	14,358,887		2,534 357 1 6
1850	3,555,748	7,111,516	4,959,528	15,626,792		2,562 366 13 0
1851	3,864,160	7,727,381	5,354,924	16,946,465		2,895 419 10 6
1852	4,181,724	8,351,393	5,762,059	18,295,176		3,291 467 5 0
1853	4,510,764	8,963,784	6,183,156	19,657,704		3,520 505 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	7,414,632	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 1,437 12 0	
1866	8,868,976	17,961,887	12,002,889	38,833,752	12,135 1,860 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	54,073,318	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	34,813 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	23,307,231	77,554,236	40,477 5,803 0 6	
1889	17,868,344	37,692,345	23,825,574	79,386,263	41,002 5,884 2 6	

TABLE 27.—ISLANDS IN THE BRITISH SEAS. Area and Population; and Births and Deaths, 1871-89.

YEAR.	ISLANDS IN THE BRITISH SEAS.	ISLE OF MAN.	JERSEY.	GUERNSEY AND ADJACENT ISLANDS.				
Area in Acres	193,647	145,325	28,717	19,605				
ENUMERATED POPULATION.								
1861	143,447	52,469	55,613	35,365				
1871	144,638	54,042	56,627	33,969				
1881	141,260	53,558	52,445	35,257				
	Births.*	Deaths.	Births.	Deaths.	Births.	Deaths.	Baptisms.	Deaths.
1871	3,887	3,156	1,684	1,200	1,510	1,268	693	688
1872	3,619	3,023	1,511	1,039	1,421	1,301	687	683
1873	3,674	2,745	1,586	1,122	1,442	1,051	646	572
1874	3,603	2,932	1,518	1,040	1,346	1,081	739	811
1875	3,457	3,387	1,488	1,308	1,311	1,299	658	780
1876	3,297	2,691	1,434	1,058	1,110	947	753	686
1877	3,446	3,077	1,439	1,129	1,283	1,316	724	632
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	798	633

Note.—The above numbers have been compiled from returns furnished to the Registrar General by Claude Cannell, Esq., Registrar General of the Isle of Man, Lieutenant-Colonel J. F. Murray, Government Secretary of Jersey, and Colonel W. Bell, Government Secretary of Guernsey.
* The figures in this column include the baptisms in Guernsey and adjacent Islands, the numbers of births not being available.

TABLE 28.—UNITED KINGDOM. Emigration, 1871-89. (From Returns issued by the Board of Trade.)

YEAR.	TOTAL.	NATIONALITY OF EMIGRANTS.					DESTINATION OF EMIGRANTS OF ENGLISH ORIGIN.			
		ENGLISH.	SCOTCH.	IRISH.	FOREIGNERS.	NOT DISTINGUISHED.	NORTH AMERICAN COLONIES.	UNITED STATES.	AUSTRALIAN COLONIES AND NEW ZEALAND.	ALL OTHER PLACES.
1871	252,435	102,452	19,232	71,067	53,246	6,438	18,285	71,926	7,960	4,281
1872	295,213	118,190	19,541	72,763	79,023	5,696	16,391	82,339	11,611	7,549
1873	310,612	123,343	21,310	83,692	72,198	10,069	19,438	73,968	18,814	6,123
1874	241,014	116,490	20,285	60,486	38,465	5,277	15,224	56,388	36,555	8,323
1875	173,809	84,540	14,686	41,449	31,347	1,787	9,044	43,367	20,749	10,880
1876	138,222	73,396	10,097	25,976	25,584	3,169	6,227	34,612	20,582	11,975
1877	119,971	63,711	8,653	22,331	21,289	3,487	6,009	28,074	19,435	10,143
1878	147,663	72,323	11,087	29,492	31,697	3,064	7,937	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	16,531
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	21,933	72,566	57,733	3,939	23,463	83,324	30,967	9,906
1885	264,385	126,260	21,337	60,017	53,783	2,958	14,817	73,789	28,380	9,274
1886	330,301	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	107,969	25,085	11,456
1888	398,494	170,322	35,873	78,233	113,230	5,3 6	26,711	103,674	24,743	15,694
1889	342,641	163,518	25,354	64,923	83,466	5,3 0	22,417	93,307	23,103	24,691

TABLE 29.—ARMY. **Strength and Mortality, 1864-89.**

(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.
1864	214,858	82,721	132,137	3,510	1,017	2,493	16.3	12.3	18.9
1865	208,877	84,502	124,375	3,537	959	2,578	16.9	11.3	20.7
1866	201,641	84,124	117,517	2,858	1,056	1,802	14.2	12.6	15.3
1867	200,335	87,607	112,728	3,234	950	2,284	16.1	10.8	20.3
1868	196,900	89,633	107,267	2,804	1,088	1,716	14.2	12.1	16.0
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	91,837	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	12.8
1889	210,298	105,956	104,342	1,961	525	1,436	9.3	5.0	13.8

TABLE 30.—ROYAL NAVY. **Mortality in the Service Afloat, 1856-89.**

(From 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.
1856	15.5	12.1	3.4	1873	8.3	6.0	2.3
1857	19.4	14.7	4.7	1874	9.4	6.7	2.7
1858	25.8	22.0	3.8	1875	8.8	6.9	1.9
1859	16.7	11.8	4.9	1876	9.2	6.0	3.2
1860	14.7	11.1	3.6	1877	7.1	5.0	2.1
1861	15.0	11.5	3.5	1878	14.4	5.3	9.1
1862	15.3	9.6	5.7	1879	8.6	6.2	2.4
1863	11.3	7.6	3.7	1880	12.6	4.6	8.0
1864	14.0	9.0	5.0	1881	10.9	5.3	5.6
1865	11.3	8.1	3.2	1882	9.5	6.9	2.6
1866	10.2	7.9	2.3	1883	5.9	4.1	1.8
1867	11.5	8.4	3.1	1884	9.0	5.8	3.2
1868	8.9	6.5	2.4	1885	7.0	4.7	2.3
1869	9.9	7.3	2.6	1886	6.9	5.1	1.8
1870	19.6	6.7	12.9	1887	8.3	4.9	3.4
1871	8.5	6.3	2.2	1888	5.7	3.9	1.8
1872	8.2	5.6	2.6	1889	5.3	3.8	1.5

TABLE 31.—MERCHANT SERVICE. **Number and Mortality of Seamen employed in Vessels registered in the United Kingdom, the Isle of Man, and Channel Islands, 1852-89.**

(Furnished to the Registrar-General by the Registrar-General of Shipping and Seamen.)

YEAR.	No. of PERSONS EMPLOYED.	No. of DEATHS REPORTED.	DEATH-RATE per 1000.	YEAR.	No. of PERSONS EMPLOYED.	No. of DEATHS REPORTED.	DEATH-RATE per 1000.
1852	159,563	2,205	13.8	1871	199,738	4,338	21.7
1853	172,525	3,276	19.0	1872	203,720	4,123	20.2
1854	162,416	2,772	17.1	1873	202,239	5,393	26.6
1855	168,537	3,318	19.7	1874	203,606	4,602	22.6
1856	173,918	3,549	20.4	1875	199,667	4,076	20.4
1857	176,387	3,444	19.5	1876	198,633	4,151	20.9
1858	177,832	3,486	19.6	1877	196,562	4,181	21.3
1859	172,506	3,430	19.9	1878	195,585	3,870	19.8
1860	171,592	3,760	21.9	1879	193,548	3,692	19.0
1861	171,957	3,580	20.8	1880	192,972	4,100	21.2
1862	173,863	3,620	20.8	1881	192,903	4,464	23.1
1863	184,727	3,380	18.3	1882	195,937	4,659	23.8
1864	195,756	3,893	19.9	1883	200,727	4,451	22.2
1865	197,643	4,600	23.3	1884	199,654	3,757	18.8
1866	196,371	4,866	25.8	1885	198,781	3,286	16.5
1867	196,340	5,233	26.9	1886	204,470	3,546	17.3
1868	197,502	5,237	26.6	1887	220,266	3,384	15.4
1869	195,490	4,832	24.7	1888	223,673	3,114	13.9
1870	195,962	4,523	23.1	1889	230,263	3,018	13.1

NOTE.—Up to and including 1886 masters were excluded from the above employment and mortality figures; the latter of which contained some cases of men who died in colonial vessels 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 registered vessels belonging to the United Kingdom, the Isle of Man, and Channel Islands.

TABLE 32.—MERCHANT SERVICE. **Births and Deaths at Sea among Passengers* (British Subjects), 1857-89.**

(Furnished to the Registrar General by the Registrar General of Shipping and Seamen.)

YEAR.	BIRTHS.			DEATHS.		
	Total.	Males.	Females.	Total.	Males.	Females.
1857	310	168	142	437	297	140
1858	249	132	117	591	409	182
1859	267	135	132	1,023	720	303
1860	250	136	114	593	437	156
1861	218	110	108	403	282	121
1862	294	146	148	491	343	148
1863	344	159	185	694	463	231
1864	380	203	177	685	475	210
1865	412	210	202	938	623	315
1866	415	213	202	1,237	874	363
1867	339	162	177	752	538	214
1868	272	147	125	666	470	196
1869	258	134	124	553	369	184
1870	315	169	146	800	536	264
1871	208	106	102	445	299	146
1872	289	142	147	548	372	176
1873	309	145	164	1,207	765	442
1874	510	244	266	1,744	1,015	729
1875	357	184	173	786	510	276
1876	364	181	183	738	464	274
1877	287	148	139	646	428	218
1878	291	150	141	613	408	205
1879	344	184	160	776	526	250
1880	203	104	104	421	267	154
1881	169	84	85	612	415	197
1882	266	131	135	678	492	186
1883	430	223	207	941	607	334
1884	264	132	132	799	528	271
1885	141	62	79	598	439	159
1886	172	88	84	515	351	164
1887	144	73	71	870	544	326
1888	129	64	65	447	300	147
1889	128	70	58	484	333	151

* Including soldiers, marines and invalid seamen from the Royal Navy.

TABLE 33.—Meteorological Elements, Greenwich,

YEAR.	Mean Weekly Movement of the Air in Miles.*	Departure from Average of 41 Years.	Fall of Rain in Inches.	Departure from Average of 41 Years.	Mean Degree of Humidity of the Air (Saturation = 100).	Departure from Average of 41 Years.	Mean TEMPERATURE of the AIR.	Departure from Average of 41 Years.
	Miles.	Miles.	Inches.	Inches.	°	°	°	°
1849	1808	-47	23.9	-0.6	78	-3	50.0	+0.7
1850	1841	-14	19.7	-4.8	79	-2	49.3	0.0
1851	1730	-125	21.6	-2.9	78	-3	49.2	-0.1
1852	1781	-74	34.2	+9.7	76	-5	50.6	+1.3
1853	1597	-258	29.0	+4.5	79	-2	47.7	-1.6
1854	1731	-124	18.7	-5.8	83	+2	48.9	-0.4
1855	1659	-196	21.1	-3.4	83	+2	47.1	-2.2
1856	1775	-80	22.2	-2.3	83	+2	49.0	-0.3
1857	1562	-293	21.4	-3.1	83	+2	51.0	+1.7
1858	1626	-229	17.8	-6.7	79	-2	49.2	-0.1
1859	1598	-257	25.9	+1.4	80	-1	50.7	+1.4
1860	1676	-179	32.0	+7.5	84	+3	47.0	-2.3
1861	1666	-189	20.8	-3.7	84	+3	49.4	+0.1
1862	1680	-175	26.2	+1.7	84	+3	49.5	+0.2
1863	1775	-80	20.0	-4.5	80	-1	50.3	+1.0
1864	1597	-258	16.7	-7.8	78	-3	48.5	-0.8
1865	1553	-302	29.0	+4.5	80	-1	50.3	+1.0
1866	1917	+62	30.7	+6.2	82	+1	49.8	+0.5
1867	1981	+126	28.4	+3.9	82	+1	48.6	-0.7
1868	2029	+174	25.2	+0.7	78	-3	51.5	+2.2
1869	2043	+188	24.0	-0.5	81	0	49.5	+0.2
1870	1872	+17	18.5	-6.0	79	-2	48.7	-0.6
1871	1749	-106	22.3	-2.2	81	0	48.7	-0.6
1872	1998	+143	30.0	+5.5	82	+1	50.7	+1.4
1873	1940	+85	23.4	-1.1	82	+1	48.9	-0.4
1874	1915	+60	20.0	-4.5	82	+1	49.3	0.0
1875	1942	+87	28.2	+3.7	80	-1	49.2	-0.1
1876	2036	+181	24.2	-0.3	80	-1	50.1	+0.8
1877	2184	+329	26.9	+2.4	79	-2	49.4	+0.1
1878	1880	+25	29.2	+4.7	81	0	49.6	+0.3
1879	1873	+18	31.3	+6.8	83	+2	46.2	-3.1
1880	1928	+73	29.8	+5.3	84	+3	49.4	+0.1
1881	2030	+175	25.2	+0.7	81	0	48.7	-0.6
1882	2151	+296	25.2	+0.7	84	+3	49.7	+0.4
1883	2058	+203	21.9	-2.6	82	+1	49.4	+0.1
1884	2034	+179	18.1	-6.4	80	-1	50.7	+1.4
1885	2008	+153	24.0	-0.5	81	0	48.6	-0.7
1886	1962	+107	24.2	-0.3	81	0	48.7	-0.6
1887	1927	+72	19.9	-4.6	79	-2	47.8	-1.5
1888	2049	+194	27.5	+3.0	82	+1	47.7	-1.6
1889	1934	+79	23.3	-1.2	83	+2	48.8	-0.5
Average in 41 Years	1855	-	24.5	-	81	-	49.3	-

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

TABLE 34.—Meteorological Elements for different Parallels

PARALLEL of LATITUDE, &c.	Mean Elevation in Feet above the Sea Level.	Barometer.		Thermometer.					Mean Temperature		
		Mean Pressure of Dry Air reduced to the Sea Level.	Mean Monthly Range.	Mean of the highest Monthly Readings.	Mean of the lowest Monthly Readings.	Mean of the Yearly Range of Readings.	Mean of all the highest Daily Readings.	Mean of all the lowest Daily Readings.	Mean Daily Range.	Of the Air.	Of the Dew-point.
Guernsey	275	29.692	1.023	78.3	28.8	49.5	55.5	46.0	9.5	50.2	45.6
Between the latitudes,—											
50° and 51°	121	29.688	1.045	82.1	23.1	59.0	57.0	43.9	13.1	49.8	44.4
51° and 52°	221	29.672	1.079	83.7	17.6	66.1	56.3	41.5	14.8	48.3	43.7
52° and 53°	174	29.664	1.087	82.6	15.6	67.0	55.3	40.6	14.7	47.1	43.2
53° and 54°	306	29.663	1.172	78.9	20.5	58.3	54.4	42.6	11.8	48.1	42.1
54° and 55°	114	29.582	1.222	83.5	16.2	67.3	56.6	40.8	15.7	48.2	45.3

1849-89. By JAMES GLAISHER, Esq., F.R.S.

YEAR.	MEAN TEMPERATURES of the AIR in the Quarters ending the last day of						YEAR.	
	March.	Departure from Average of 41 Years.	June.	Departure from Average of 41 Years.	Sept.	Departure from Average of 41 Years.		Dec.	Departure from Average of 41 Years.
1849	41.9	+2.1	51.7	-0.9	61.0	+0.7	44.8	+0.7
1850	39.4	-0.4	53.5	+0.9	59.6	-0.7	44.7	+0.6
1851	41.9	+2.1	51.5	-1.1	59.8	-0.5	43.7	-0.4
1852	41.4	+1.6	51.2	-1.4	61.8	+1.5	48.1	+4.0
1853	38.1	-1.7	51.8	-0.8	58.5	-1.8	42.3	-1.8
1854	40.8	+1.0	51.7	-0.9	59.8	-0.5	43.7	-0.4
1855	34.1	-5.7	50.5	-2.1	60.4	+0.1	42.7	-1.4
1856	40.0	+0.2	52.3	-0.3	59.9	-0.4	44.2	+0.1
1857	39.2	-0.6	53.8	+1.2	63.3	+3.0	47.9	+3.8
1858	37.8	-2.0	54.3	+1.7	61.0	+0.7	43.8	-0.3
1859	43.3	+3.5	53.7	+1.1	62.8	+2.5	43.3	-0.8
1860	38.8	-1.0	50.5	-2.1	56.2	-4.1	42.6	-1.5
1861	39.9	+0.1	51.8	-0.8	60.4	+0.1	45.5	+1.4
1862	41.0	+1.2	53.3	+0.7	58.8	-1.5	45.0	+0.9
1863	42.6	+2.8	53.1	+0.5	58.8	-1.5	46.8	+2.7
1864	37.9	-1.9	53.1	+0.5	59.4	-0.9	43.7	-0.4
1865	36.5	-3.3	56.2	+3.6	62.5	+2.2	46.0	+1.9
1866	41.2	+1.4	53.0	+0.4	58.9	-1.4	46.2	+2.1
1867	38.9	-0.9	53.5	+0.9	59.7	-0.6	42.5	-1.6
1868	41.4	+1.6	55.8	+3.2	63.9	+3.6	45.1	+1.0
1869	41.3	+1.5	52.0	-0.6	61.4	+1.1	43.3	-0.8
1870	38.0	-1.8	54.4	+1.8	60.7	+0.4	41.6	-2.5
1871	40.2	+0.4	51.5	-1.1	61.3	+1.0	41.8	-2.3
1872	43.6	+3.8	52.8	+0.2	61.1	+0.8	45.3	+1.2
1873	39.4	-0.4	51.8	-0.8	60.3	0.0	44.2	+0.1
1874	41.4	+1.6	52.8	+0.2	60.9	+0.6	42.3	-1.8
1875	39.5	-0.3	53.4	+0.8	60.7	+0.4	43.1	-1.0
1876	39.5	-0.3	51.7	-0.9	61.8	+1.5	47.0	+2.9
1877	42.3	+2.5	51.9	-0.7	58.5	-1.8	45.0	+0.9
1878	41.5	+1.7	54.6	+2.0	60.8	+0.5	41.6	-2.5
1879	37.1	-2.7	49.5	-3.1	58.1	-2.2	39.9	-4.2
1880	39.8	0.0	52.4	-0.2	61.4	+1.1	44.0	-0.1
1881	37.3	-2.5	52.9	+0.3	60.0	-0.3	44.6	+0.5
1882	42.3	+2.5	53.0	+0.4	58.1	-2.2	44.7	+0.6
1883	40.0	+0.2	53.0	+0.4	59.5	-0.8	44.9	+0.8
1884	43.4	+3.6	52.5	-0.1	62.7	+2.4	44.1	0.0
1885	40.3	+0.5	52.4	-0.2	59.1	-1.2	42.8	-1.3
1886	36.5	-3.3	52.5	-0.1	61.2	+0.9	44.6	+0.5
1887	37.3	-2.5	51.6	-1.0	61.0	+0.7	41.3	-2.8
1888	36.9	-2.9	51.6	-1.0	57.6	-2.7	44.6	+0.5
1889	38.2	-1.6	54.5	+1.9	58.9	-1.4	43.5	-0.6
Average in 41 Years	39.8	-	52.6	-	60.3	-	44.1	-

of Latitude, 1889. By JAMES GLAISHER, Esq., F.R.S.

PARALLEL of LATITUDE, &c.	Mean Elastic Force of Vapour.	Mean Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight of Vapour required for Saturation.	Mean Degree of Humidity of the Air. (Saturation = 100.)	Mean Weight of a Cubic Foot of Air.	Mean estimated Strength.	Wind.				Mean Amount of Cloud (0-10).	Rain.		
							N.	E.	S.	W.		Mean Number of Days it fell.	Mean Amount collected.	
Guernsey	in. .316	grs. 3.6	gr. 0.7	84	grs. 552	1.0	8	6	7	9	6.4	216	23.26	Guernsey.
Between the latitudes,—														
50° and 51°	in. .290	grs. 3.4	gr. 0.8	82	grs. 542	1.1	8	6	7	9	6.3	186	30.53	50° and 51°
51° and 52°	in. .295	grs. 3.4	gr. 0.7	85	grs. 543	1.1	8	6	8	9	6.5	164	26.27	51° and 52°
52° and 53°	in. .292	grs. 3.3	gr. 0.6	87	grs. 543	0.8	8	6	8	9	6.9	173	26.97	52° and 53°
53° and 54°	in. .297	grs. 3.2	gr. 0.8	81	grs. 543	0.9	7	6	7	10	7.0	183	27.43	53° and 54°
54° and 55°	in. .315	grs. 3.6	gr. 0.4	90	grs. 543	0.8	8	7	7	7	6.8	177	29.68	54° and 55°

TABLE 35.—Quarterly Meteorological

Compiled by JAMES GLAISHER, Esq., F.R.S., from Tables

1889. 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 48 Years.	Mean.	Diff. from Average of 48 Years.	
	Mean.	Diff. from Average of 118 Years.	Mean.	Diff. from Average of 48 Years.	Mean.	Diff. from Average of 48 Years.	Mean.	Diff. from Average of 48 Years.					
1889.	o	o	o	o	o	o	o	o	o	in.	in.	grs.	grs.
YEAR	- 48.8	+0.2	-0.5	46.2	-0.2	43.6	+0.1	15.1	-0.6	.294	.000	3.3	-0.1
Winter Quarter	38.2	-0.6	-1.5	36.3	-1.6	33.8	-1.5	12.0	+0.3	.194	-.013	2.3	-0.2
Spring do.	54.5	+2.3	+1.8	51.2	+2.2	48.1	+2.8	18.8	-1.2	.342	+.036	3.8	+0.3
Summer do.	58.9	-0.8	-1.3	55.3	-1.1	52.0	-1.0	18.4	-1.3	.382	-.023	4.3	-0.3
Autumn do.	43.5	-0.2	-1.2	42.2	-0.3	40.6	0.0	11.4	-0.3	.356	-.001	2.9	-0.3

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

TABLE 36.—Monthly Meteorological

By JAMES

1889. MONTH.	Mean Reading of the Barometer.	Temperature of the Air.							Departure from Average of 118 years (1771-1889).	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	29.990	53.6	19.8	33.8	41.5	32.2	9.3	37.1	+0.5	34.6
February	29.718	57.3	18.9	38.4	43.0	31.7	11.3	37.0	-1.9	32.1
March	29.804	60.0	18.7	41.3	48.7	33.4	15.3	40.6	-0.5	34.6
April	29.559	66.1	32.6	33.5	54.7	38.9	15.8	45.7	-0.4	40.6
May	29.662	85.2	41.0	44.2	67.2	47.9	19.3	56.5	+4.0	50.2
June	29.854	83.9	45.7	38.2	72.9	51.7	21.2	61.4	+3.2	53.5
July	29.759	81.2	47.5	33.7	71.5	53.3	18.2	61.0	-0.6	53.3
August	29.710	86.6	44.1	42.5	71.3	51.6	19.7	60.0	-0.9	53.3
September	29.865	81.8	35.7	46.1	65.4	48.1	17.3	55.8	-0.8	49.4
October	29.521	61.9	34.9	27.0	56.4	42.2	14.2	48.6	-0.9	45.5
November	30.043	61.1	27.7	33.4	49.7	38.8	10.9	44.3	+1.9	41.2
December	30.010	53.3	22.0	31.1	41.7	32.5	9.2	37.6	-1.5	35.2
Means	29.791	69.3	32.4	36.9	57.0	41.9	15.1	48.8	+0.2	43.6

Elements, Greenwich, 1889.

furnished to the Registrar General by the Astronomer Royal.

1889. YEAR Winter Quarter Spring do. Summer do. Autumn do.	Degree of Humidity.	Reading of Barometer.		Weight of a Cubic Foot of Air.		Rain.		Reading of Thermometer on Grass.			1889. YEAR Winter Quarter Spring do. Summer do. Autumn do.	
		Mean.	Diff. from Average of 48 Years.	Mean.	Diff. from Average of 48 Years.	Amount.	Diff. from Average of 48 Years.	Number of Nights it was				
								At or below 30°.	Between 30° and 40°.	Above 40°.		Lowest Reading at Night.
1889.	o	in.	in.	grs.	grs.	Sums.	Sums.	o	o	o	o	
YEAR	+1	29.791	-.018	542	+1	23.29	-1.69	99	122	144	12.3	57.9
Winter Quarter	+1	29.837	+.070	555	+3	4.36	-0.62	53	34	3	12.3	42.8
Spring do.	+5	29.692	-.091	534	-4	7.22	+1.64	8	26	57	24.7	56.4
Summer do.	-1	29.778	-.016	531	+1	5.56	-1.76	4	12	76	26.1	57.9
Autumn do.	0	29.858	+.111	550	+3	6.15	-0.95	34	50	8	14.6	50.0

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

Elements, Greenwich, 1889.

GLAISHER, Esq., F.R.S.

1889. MONTH.	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.	Rain.		1889. MONTH.
						N.	E.	S.	W.		Number of Days on which measured.	Amount collected.	
January	.200	2.3	0.3	91	559	8	5	10	8	8.2	12	0.84	January.
February	.182	2.1	0.5	83	555	11	3	4	10	8.0	19	2.20	February.
March	.200	2.4	0.6	89	552	9	5	8	9	7.8	14	1.32	March.
April	.253	2.9	0.6	83	542	8	6	13	3	7.7	17	1.85	April.
May	.364	4.1	1.0	80	531	8	8	10	5	6.6	15	3.30	May.
June	.410	4.5	1.5	76	530	7	10	8	5	6.0	6	2.07	June.
July	.408	4.6	1.4	77	529	7	5	9	10	6.5	16	2.07	July.
August	.406	4.5	1.3	78	529	5	2	11	13	5.9	14	1.81	August.
September	.331	3.8	1.3	74	536	10	7	6	7	6.2	7	1.68	September.
October	.305	3.4	0.4	89	538	7	7	12	5	7.3	17	3.93	October.
November	.259	2.9	0.4	89	552	8	7	8	7	7.5	9	0.78	November.
December	.205	2.4	0.2	91	559	5	6	12	8	7.5	13	1.44	December.
Means	.294	3.3	0.8	83	542	93	71	111	90	7.1 Mean	159 Sum	23.29 Sum	Means.

TABLE 37.—Mean Annual Values of Meteorological Elements from Observations

NAME OF STATION.	Elevation in feet above the Sea Level.	Latitude.	Barometer.		Thermometer.						Mean Temperature	
			Mean.	Mean Monthly Range.	Highest Reading in the Year.	Lowest Reading in the Year.	Difference or Extreme Range.	Mean of all highest Daily Readings.	Mean of all lowest Daily Readings.	Mean Daily Range.	Of the Air.	Of the Dew-point.
Guernsey - - - -	275	49 27 N.	29.692	1.023	78.3	28.8	49.5	55.5	46.0	9.5	50.2	45.6
Truro - - - -	43	50 17	29.702	1.067	82.0	20.0	62.0	59.4	43.1	16.2	51.2	41.6
Plymouth - - - -	69	50 23	29.692	1.020	81.0	26.2	54.8	56.8	44.6	12.2	49.9	45.3
Torquay - - - -	305	50 29	29.692	1.057	80.4	24.4	56.0	56.4	44.2	12.2	49.5	44.5
Eastbourne - - - -	65	50 44	..	..	81.2	21.3	59.9	55.5	43.9	11.7	49.1	43.1
Ventnor - - - -	80	50 36	..	..	..	..	..	..	..	..	..	..
Osborne - - - -	172	50 45	29.664	1.036	86.0	23.5	62.5	57.0	43.6	13.4	49.2	46.4
Southbourne - - - -	95	50 45	..	..	..	..	..	..	..	..	..	..
Salisbury - - - -	186	51 4	29.677	1.063	86.0	16.0	70.0	58.0	38.9	19.1	48.0	43.7
Barnstaple - - - -	43	51 5	..	..	83.0	24.0	59.0	56.9	43.9	13.0	50.1	45.0
Bath - - - -	596	51 15	29.678	1.111	80.6	20.5	60.1	54.0	41.5	12.5	47.2	44.2
Whitechurch - - - -	150	51 29	29.715	..	82.0	15.0	67.0	56.8	41.0	15.8	48.4	43.3
Royal Observatory - - - -	159	51 29	29.670	1.068	86.6	18.7	67.9	57.0	41.9	15.1	48.8	43.6
Blackheath - - - -	150	51 29	29.658	1.075	86.0	17.0	69.0	56.1	41.1	15.0	47.7	43.5
Camden Square - - - -	123	51 32	29.688	1.094	84.5	19.2	65.3	56.8	42.7	14.2	48.9	43.2
Tottenham - - - -	47	51 36	29.672	1.048	82.1	14.0	68.1	55.8	42.5	13.4	48.0	43.6
Barnet - - - -	212	51 38	29.712	1.075	85.0	12.7	72.3	56.3	39.3	17.1	47.3	43.7
Oxford - - - -	212	51 46	29.679	1.102	81.3	19.1	62.2	55.1	41.8	13.2	48.3	43.5
Royston - - - -	269	52 2	29.704	1.096	85.0	17.2	67.8	56.0	40.8	15.2	47.4	43.4
Cambridge - - - -	40	52 13	..	..	87.0	12.5	74.5	57.4	41.0	16.3	48.1	44.8
Rugby - - - -	289	52 19	29.675	1.006	83.7	12.8	70.9	56.1	39.5	16.6	47.1	44.9
Lowestoft - - - -	89	52 29	..	..	..	..	..	..	..	..	..	..
Somerleyton - - - -	50	52 31	29.646	1.148	78.0	12.2	65.8	54.3	41.2	13.0	46.9	43.2
Wolverhampton - - - -	500	52 37	29.729	1.075	79.6	18.8	60.8	53.8	39.8	14.0	45.9	41.4
Nottingham - - - -	122	52 57	29.565	1.108	82.5	20.3	62.2	54.5	41.4	13.1	47.3	41.3
Llandudno - - - -	100	53 20	29.661	1.070	78.6	25.5	53.1	54.6	44.4	10.2	49.9	42.6
Liverpool - - - -	197	53 24	29.663	1.180	78.0	21.6	56.4	53.8	43.8	10.0	47.8	41.9
Halifax - - - -	530	53 42	..	..	..	..	..	..	..	..	..	..
Hull - - - -	6	53 45	29.671	1.177	78.0	17.0	61.0	54.0	39.9	14.1	47.0	41.8
Bradford - - - -	364	53 48	29.671	1.183	77.5	21.3	56.2	53.7	43.3	10.4	47.9	41.4
Leeds - - - -	137	53 48	29.645	1.185	81.0	20.0	61.0	55.0	43.7	11.3	48.9	43.1
Stonyhurst - - - -	363	53 51	29.667	1.287	80.0	17.8	62.2	55.1	40.3	14.8	46.9	41.5
Carlisle - - - -	114	53 53	29.582	1.222	83.5	16.2	67.3	56.6	40.8	15.7	48.2	45.3

at several Stations in the Year 1889. By JAMES GLAISHER, Esq., F.R.S.

Mean Monthly Elastic Force of Vapour.	Mean Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight of Vapour required for Saturation.	Mean Degree of Humidity (Saturation=100).	Mean Weight of a Cubic Foot of Air.	Mean estimated Strength.	Wind.				Mean Amount of Cloud (0-10).	Number of Days on which measured.	Rain. Amount collected.	NAME OF STATION.
						Relative Proportion of							
						N.	E.	S.	W.				
in.	grs.	gr.	grs.	grs.						days.	in.		
.316	3.6	0.7	84	552	1.0	8	6	7	9	6.4	216	28.26	Guernsey.
.271	3.0	1.3	71	542	1.7	9	6	6	9	4.9	211	37.39	Truro.
.311	3.5	0.7	86	544	1.3	8	7	7	9	7.0	185	34.21	Plymouth.
.302	3.5	0.7	83	540	1.3	8	7	6	10	6.5	183	26.40	Torquay.
.287	3.3	0.9	80	..	0.6	9	5	7	10	6.3	185	29.57	Eastbourne.
..	..	..	..	..	..	..	..	..	..	..	..	..	Ventnor.
.328	3.7	0.5	89	542	0.5	8	6	8	9	6.6	164	24.08	Osborne.
..	..	..	..	..	..	..	..	..	..	..	..	..	Southbourne.
.296	3.4	0.7	85	543	1.2	9	5	8	8	6.8	201	26.52	Salisbury.
.309	3.5	0.8	83	..	1.1	6	6	8	11	4.2	166	30.60	Barnstaple.
.300	3.4	0.5	89	536	1.1	8	6	7	9	7.4	179	36.62	Bath.
.288	3.3	0.8	84	544	1.1	7	7	8	9	6.7	162	21.95	Whitechurch.
.294	3.3	0.8	83	543	..	..	..	..	..	..	158	23.29	Royal Observatory.
.293	3.4	0.7	86	549	1.0	8	6	9	8	6.7	147	22.81	Blackheath.
.290	3.3	0.8	81	544	..	9	7	7	8	6.6	169	23.84	Camden Square.
.295	3.3	0.7	86	545	1.0	8	5	7	10	6.9	170	25.79	Tottenham.
.287	3.3	0.7	85	544	0.6	8	6	7	10	6.4	145	25.56	Barnet.
.293	3.3	0.7	84	543	2.0	7	5	8	10	6.8	153	25.73	Oxford.
.294	3.3	0.6	87	543	..	8	5	8	10	6.7	166	24.41	Royston.
.311	3.5	0.6	89	..	1.3	8	6	8	9	6.7	184	26.13	Cambridge.
.313	3.5	0.3	92	542	0.6	8	8	8	9	6.6	179	24.54	Rugby.
..	..	..	..	..	..	..	..	..	..	..	..	..	Lowestoft.
.296	3.2	0.5	87	546	1.0	7	7	7	10	6.8	181	26.51	Somerleyton.
.269	3.0	0.7	86	540	..	8	6	8	8	7.2	146	34.75	Wolverhampton.
.268	3.0	0.8	81	544	0.4	8	6	7	10	7.4	185	25.48	Nottingham.
.279	3.3	0.9	79	543	0.8	8	6	7	10	6.8	179	28.45	Llandudno.
.375	3.1	0.8	81	543	..	7	5	8	10	6.8	199	27.25	Liverpool.
..	..	..	..	..	..	..	..	..	..	..	..	..	Halifax.
.273	3.1	0.8	83	548	1.2	7	6	7	11	6.4	191	23.81	Hull.
.292	3.1	0.9	79	539	..	8	6	7	10	7.1	174	22.59	Bradford.
.291	3.3	0.8	83	543	1.2	8	6	7	10	7.1	152	20.98	Leeds.
.271	3.1	0.7	82	540	0.4	6	7	7	11	8.0	205	42.50	Stonyhurst.
.315	3.6	0.4	90	543	0.8	8	7	7	7	6.8	177	29.68	Carlisle.

TABLE 38.—ENGLAND. Prices and Pauperism, 1840-89.

Year.	AVERAGE PRICES.									PAUPERISM.			
	CONSOLS* (for Money).	WHEAT per Quarter in England and Wales.†	MEAT per lb. at the Metropolitan Meat Market (by the Carcase).						BEST SEABORNE COAL, in the London Market, per Ton.‡	Average Number, § to 1000 Persons living, in receipt of Poor Law Relief.			In-door Paupers to 1000 in Receipt of Out-door Relief.
			BEEF.			MUTTON.				Total.	In-door.	Out-door.	
			Inferior.	Prime.	Mean.	Inferior.	Prime.	Mean.					
1840	89 12 6	66 4						22 6					
1841	88 17 6	64 4						21 3					
1842	93 13 9	57 3						20 1					
1843	96 0 0	50 1						19 1					
1844	99 12 6	51 3						21 9					
1845	96 5 0	50 10						18 1					
1846	92 11 3	54 8						16 10					
1847	84 7 6	69 9						19 9					
1848	87 5 0	50 6						17 1					
1849	94 5 0	44 3						16 7	62.0	7.6	54.4	140	
1850	96 15 0	40 3	3 1/2	4 1/2	4	3 1/2	5 1/2	4 1/2	16 0	56.7	6.9	49.8	139
1851	97 7 6	38 6	3 1/2	5	4 1/2	3 1/2	5 1/2	4 1/2	15 0	52.4	6.4	46.0	138
1852	100 3 9	40 10	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	15 5	50.3	6.1	44.2	138
1853	97 14 1	53 3	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	20 1	48.2	6.0	42.2	142
1854	91 15 8	72 5	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	22 8	46.4	6.0	40.4	138
1855	90 7 2	74 8	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	20 10	47.7	6.5	41.2	156
1856	92 18 9	69 2	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 10	48.2	6.6	41.6	158
1857	91 16 3	56 4	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 7	44.6	6.3	38.3	165
1858	96 19 5	44 2	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 4	44.7	6.2	38.5	160
1859	95 0 0	43 9	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 3	41.5	5.6	35.9	157
1860	93 19 8	53 3	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	19 0	40.1	5.6	34.5	161
1861	92 0 8	55 4	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	18 5	41.9	6.1	35.8	170
1862	93 8 9	55 5	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	16 6	46.7	6.4	40.3	160
1863	92 17 10	44 9	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 1	48.0	6.3	41.7	151
1864	90 6 3	40 2	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	19 0	43.8	6.1	37.7	161
1865	89 11 7	41 10	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	19 1	41.9	6.0	35.9	168
1866	87 16 11	49 11	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	19 0	40.5	6.1	34.4	176
1867	93 1 3	64 5	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	19 8	42.5	6.4	36.1	178
1868	93 19 5	63 9	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 7	43.6	6.8	36.8	183
1869	93 2 2	48 2	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 8	43.4	6.7	36.7	183
1870	92 13 2	46 10	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 5	43.5	6.6	36.9	180
1871	92 18 5	56 8	5 1/2	6 1/2	5 1/2	5 1/2	6 1/2	5 1/2	18 2	41.6	6.3	35.3	179
1872	92 10 8	57 0	5 1/2	6 1/2	5 1/2	5 1/2	6 1/2	5 1/2	23 10	36.9	6.0	30.9	192
1873	92 14 8	58 8	5 1/2	6 1/2	5 1/2	5 1/2	6 1/2	5 1/2	31 3	33.9	5.9	28.0	210
1874	92 12 6	55 8	5 1/2	6 1/2	5 1/2	5 1/2	6 1/2	5 1/2	24 8	31.5	5.8	25.7	225
1875	93 15 11	45 2	5 1/2	6 1/2	5 1/2	5 1/2	6 1/2	5 1/2	22 9	29.7	5.6	24.1	233
1876	95 5 8	46 2	5 1/2	6 1/2	5 1/2	5 1/2	6 1/2	5 1/2	20 2	27.5	5.7	21.8	260
1877	95 10 0	56 9	5 1/2	6 1/2	5 1/2	5 1/2	6 1/2	5 1/2	18 5	27.0	6.0	21.0	283
1878	95 5 0	46 5	5 1/2	6 1/2	5 1/2	5 1/2	6 1/2	5 1/2	16 10	27.3	6.2	21.1	293
1879	97 12 10	43 10	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	16 11	29.0	6.5	22.5	290
1880	98 10 8	44 4	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	14 11	28.4	6.7	21.7	310
1881	100 2 6	45 4	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	16 5	28.2	6.8	21.4	318
1882	100 17 10	45 1	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	16 2	27.2	6.7	20.5	325
1883	101 8 2	41 7	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	17 5	26.5	6.6	19.9	331
1884	101 4 8	35 8	4 1/2	5 1/2	4 1/2	4 1/2	5 1/2	4 1/2	15 9	25.8	6.5	19.3	339
1885	99 4 8	32 10	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	3 1/2	15 9	25.7	6.5	19.2	338
1886	100 17 10	31 0	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	3 1/2	15 1	26.2	6.5	19.7	328
1887	101 16 2	32 6	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	3 1/2	15 2	25.8	6.5	19.3	336
1888	101 0 0	31 10	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	3 1/2	15 3	25.6	6.5	19.1	337
1889	98 0 9	29 9	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2	3 1/2	16 8	24.5	6.3	18.2	345

* The prices of Consols for the years 1840-52 relate to the 12 months beginning 1st April; from 1853 onwards the prices relate to calendar years. For the years 1840-88 the prices relate to stock bearing 3 per cent. interest, for 1889 to stock bearing 2 1/2 per cent.
 † From the Board of Trade Statistical Abstract.
 ‡ The prices of coal are derived from Parliamentary Returns furnished by the Registrar of the London Coal Market, by order of the House of Commons.
 § 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.

INTERNATIONAL VITAL STATISTICS.

TABLE 39.—Persons Married, Births, and Deaths per 1000 of the Population, in the UNITED KINGDOM and in OTHER EUROPEAN STATES.

(Tabulated from returns furnished by the authorities of the various States.)

YEAR.	UNITED KINGDOM.	ENGLAND AND WALES.	SCOTLAND.	IRELAND.	DENMARK.	NORWAY.	SWEDEN.	AUSTRIA.	HUNGARY.	SWITZERLAND.	GERMAN EMPIRE.	PRUSSIA.	THE NETHERLANDS.	BELGIUM.	FRANCE.	ITALY.
Average in the 20 years 1861-80	15.1 (17 yrs.)	16.4	14.2	9.8 (17 yrs.)	15.3	14.5 (10 yrs.)	13.4	17.1	19.2 (5 yrs.)	15.1 (13 yrs.)	17.4 (9 yrs.)	17.2	16.2	14.6	15.8	15.2 (18 yrs.)
1866	16.0	17.5	14.7	10.8	16.8	—	13.4	13.0	—	—	—	15.6	16.7	15.7	16.0	11.3
1867	15.2	16.5	13.9	10.7	15.3	—	12.2	19.3	—	—	—	18.6	16.8	15.6	15.7	13.5
1868	14.8	16.1	13.3	10.0	14.6	—	10.9	18.3	—	—	—	17.7	15.3	14.6	15.7	14.4
1869	14.6	15.9	13.4	10.0	14.7	—	11.3	20.7	—	13.4	—	17.9	15.4	14.8	16.5	16.0
1870	15.0	16.1	14.3	10.6	14.7	—	13.1	19.5	—	14.4	—	14.8	15.9	13.9	12.1	14.6
1871	15.4	16.7	14.3	10.7	14.6	13.3	13.0	18.9	—	14.6	—	15.9	16.0	14.7	14.4	14.9
1872	15.9	17.4	15.1	10.0	15.0	14.0	13.9	18.6	—	15.7	20.6	20.7	16.5	15.5	19.5	15.0
1873	16.0	17.6	15.5	9.6	16.2	14.5	14.6	18.8	—	15.2	20.0	20.3	17.1	15.5	17.7	15.9
1874	15.6	17.0	15.2	9.2	16.4	15.3	14.5	18.1	—	16.6	19.1	19.4	16.8	15.1	16.6	15.3
1875	15.3	16.7	14.8	9.1	17.0	15.7	14.0	17.1	—	17.9	18.2	18.1	16.7	14.5	16.4	16.8
1876	15.3	16.5	15.0	9.9	17.1	15.4	14.1	16.5	19.9	16.2	17.0	17.1	16.5	14.3	15.8	16.3
1877	14.6	15.7	14.4	9.3	16.1	15.1	13.7	15.0	18.4	15.7	16.0	16.0	16.2	13.7	15.1	15.4
1878	14.1	15.2	13.4	9.5	14.8	14.6	12.9	15.2	18.7	14.7	15.4	15.6	15.5	13.4	15.1	14.2
1879	13.3	14.4	12.8	8.7	14.7	13.5	12.6	15.5	20.5	13.8	15.0	15.3	15.3	13.5	15.1	15.0
1880	13.6	14.9	13.2	7.8	15.2	13.3	12.6	15.3	18.4	13.7	15.0	15.3	15.0	14.1	14.9	13.8
1881	14.0	15.1	13.9	8.5	15.6	12.8	12.4	16.0	20.0	13.6	14.9	15.3	14.6	14.1	15.0	16.2
1882	14.3	15.5	14.1	8.6	15.4	13.4	12.7	16.4	20.6	13.6	15.3	15.8	14.3	13.9	14.8	15.7
1883	14.3	15.4	14.0	8.5	15.4	13.2	12.8	15.7	20.8	13.7	15.3	15.9	14.2	13.5	15.0	16.0
1884	14.1	15.0	13.5	9.1	15.6	13.7	13.1	15.7	20.5	13.8	15.7	16.2	14.2	13.5	15.3	16.4
1885	13.4	14.4	13.0	8.6	15.1	13.3	13.3	15.2	19.9	13.9	15.8	16.4	12.2	13.6	14.9	15.8
1886	13.1	14.1	12.4	8.4	14.2	13.0	12.8	15.6	19.1	13.8	15.8	16.3	13.9	13.4	14.8	15.6
1887	13.3	14.2	12.5	8.7	14.0	12.5	12.5	15.6	17.9	14.2	15.6	16.0	14.0	14.2	14.5	15.7
1888	13.3															

TABLE 40.--UNITED KINGDOM. Population, Marriages, Births, and Deaths, 1864-89.

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.
1864	29,640,437	230,518	461,036	989,022	663,091	15.5	33.3	22.3
1865	29,925,177	239,887	479,774	1,006,109	654,954	16.0	33.6	21.9
1866	30,147,755	241,585	483,170	1,013,627	665,064	16.0	33.6	22.1
1867	30,409,132	241,514	463,028	1,026,781	633,643	15.2	33.8	20.8
1868	30,689,977	226,516	453,032	1,048,423	636,223	14.8	34.2	20.7
1869	30,978,278	226,391	452,782	1,032,394	660,296	14.6	33.3	21.3
1870	31,256,535	234,176	468,352	1,058,023	679,956	15.0	33.8	21.8
1871	31,555,694	243,091	486,182	1,064,911	677,939	15.4	33.7	21.5
1872	31,874,183	253,851	507,702	1,093,950	665,353	15.9	34.3	20.9
1873	32,177,550	253,093	516,186	1,093,855	667,003	16.0	34.0	20.7
1874	32,591,517	252,881	505,762	1,119,955	699,313	15.6	34.4	21.5
1875	32,833,758	251,223	502,446	1,112,505	726,334	15.3	33.9	22.1
1876	33,199,994	254,841	509,682	1,154,971	676,768	15.3	34.8	20.4
1877	33,575,941	244,891	489,782	1,154,681	667,976	14.6	34.4	19.9
1878	33,943,773	239,696	479,892	1,152,796	716,294	14.1	34.0	21.1
1879	34,302,557	228,855	457,710	1,141,447	704,691	13.3	33.3	20.5
1880	34,622,930	236,333	473,666	1,134,299	707,333	13.6	32.7	20.4
1881	34,952,204	245,120	490,240	1,135,660	654,295	14.0	32.5	18.7
1882	35,297,114	253,030	506,060	1,137,820	678,148	14.3	32.2	19.2
1883	35,611,770	254,621	509,242	1,133,343	696,116	14.3	31.8	19.5
1884	35,961,663	252,992	505,984	1,154,782	683,150	14.1	32.1	19.3
1885	36,331,119	244,226	488,452	1,136,321	688,069	13.4	31.3	18.9
1886	36,709,477	241,180	482,360	1,145,577	698,208	13.1	31.2	19.0
1887	37,075,963	246,339	492,678	1,123,149	693,889	13.3	30.3	18.7
1888	37,440,494	249,186	498,372	1,112,694	668,037	13.3	29.6	17.8
1889	37,823,249	261,704	523,408	1,116,555	674,464	13.8	29.5	17.8

871-80
1.223.370
5.909.004
2.314.366

TABLE 41.--ENGLAND AND WALES. Population, Marriages, Births, and Deaths, 1853-89.

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	13,404,363	164,520	329,040	612,391	421,097	17.9	33.3	22.9
1854	13,616,310	159,727	319,454	634,405	437,905	17.2	34.1	23.5
1855	13,829,000	162,113	304,226	655,043	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	449,656	16.0	33.7	23.1
1859	19,686,701	167,723	335,446	689,881	440,781	17.0	35.0	22.4
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	494,823	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	23,403,556	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	403,743	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	539,372	15.2	35.6	21.6
1879	25,371,489	182,082	364,164	880,339	526,255	14.4	34.7	20.7
1880	25,714,233	191,965	383,930	881,643	528,624	14.9	34.2	20.5
1881*	26,061,736	197,290	394,580	883,642	491,935	15.1	33.9	18.9
1882	26,413,861	204,405	408,810	889,014	516,654	15.5	33.7	19.6
1883	26,770,744	206,384	412,768	890,722	522,997	15.4	33.3	19.5
1884	27,132,449	204,301	408,602	906,750	530,828	15.0	33.3	19.0
1885	27,499,041	197,745	395,490	894,270	522,750	14.4	32.5	19.0
1886	27,870,586	198,071	392,142	903,760	537,276	14.1	32.4	19.3
1887	28,247,151	200,518	401,036	886,331	530,758	14.2	31.4	18.8
1888	28,628,804	203,821	407,642	879,808	510,371	14.2	30.6	17.8
1889	29,015,613	213,865	427,730	885,944	513,353	14.7	30.5	17.9

* Census year.

Births 1883 = 4.16

Births 1893 = 9.84 4.56

Scot. 4.1
 Ire 4.7
 Den 2.1
 Nor 1.99
 Sweed 4.7
 Switz 2.9
 Nether 4.5
 Belg 6.1
 Nor 2.0
 12.6

8.8
 13.5
 10.6

Holl 4.5
 Bel 6.1
 Nor 2.0
 12.6

Holl Swe 4.7
 Belg 6.1
 Nor 2.0
 12.8

Switz 2.9
 Swe 4.7
 Belg 6.1
 13.7

Switz 2.9
 Den 2.1
 Belg 6.1
 11.1

Den 2.1
 Scot 4.1
 Belg 6.1
 12.3

Q & W. from Qly reports

Births in Quarters

	I	II	III	IV
1886	230.671.			
87	219.575.			
88	223.828.			
89	220.936.			
1890	226.327.			
91				
92				
93				
94				
95				
96				
97				
98				
99				
1900				
01				

Deaths in Quarters.

	I	II	III	IV
86	156.908.			
87	143.346.			
88	150.014.			
89	139.749.			
90	165.979.			
91				
92				
93				
94				
95				
96				
97				

TABLE 42.—SCOTLAND. Population, Marriages, Births, and Deaths, 1855-89.

(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. Still-born.	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*	3,745,485	26,004	52,008	126,171	72,325	13·9	33·7	19·3
1882	3,785,400	26,596	53,192	126,158	72,989	14·1	33·3	19·3
1883	3,825,744	26,869	53,738	124,458	76,891	14·0	32·5	20·1
1884	3,866,521	26,106	52,212	129,157	75,168	13·5	33·4	19·4
1885	3,907,736	25,304	50,608	126,100	74,607	13·0	32·3	19·1
1886	3,949,393	24,515	49,030	127,890	73,640	12·4	32·4	18·6
1887	3,991,499	24,876	49,752	124,418	74,546	12·5	31·2	18·7
1888	4,034,156	25,305	50,610	123,269	71,174	12·5	30·6	17·6
1889	4,077,070	26,318	52,636	122,770	73,203	12·9	30·1	18·0

* Census year.

TABLE 43.—IRELAND. Population, Marriages, Births, and Deaths, 1864-89.

(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	9·6	24·0	16·4
1865	5,594,589	30,802	61,604	144,970	93,154	10·9	25·7	16·5
1866	5,522,942	30,121	60,242	146,090	93,027	10·8	26·2	16·7
1867	5,486,509	29,742	59,484	144,338	93,503	10·7	26·0	16·8
1868	5,465,914	27,639	55,398	146,051	86,185	10·0	26·8	15·8
1869	5,449,094	27,277	54,554	145,559	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	28·1	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	5,286,330	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	105,039	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*	5,144,983	21,826	43,652	125,847	90,035	8·5	24·5	17·5
1882	5,097,853	22,029	44,058	122,648	88,500	8·6	24·1	17·4
1883	5,015,282	21,368	42,736	118,163	96,228	8·5	23·6	19·2
1884	4,962,693	22,585	45,170	118,875	87,154	9·1	24·0	17·6
1885	4,924,342	21,177	42,354	115,951	90,712	8·6	23·5	18·4
1886	4,889,498	20,594	41,188	113,927	87,292	8·4	23·3	17·9
1887	4,837,313	20,945	41,890	112,400	88,585	8·7	23·2	18·3
1888	4,777,534	20,060	40,120	109,557	85,892	8·4	22·9	18·0
1889	4,730,566	21,521	43,042	107,841	82,903	9·1	22·8	17·5

* Census year.

TABLE 44.—DENMARK (the Kingdom properly so called). Population, Marriages, Births, and Deaths, 1850-89.

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

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION, 1st February.	MARRIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1850*	1,407,747	10,824	21,648	44,768	27,231†	15.4	31.8	19.3†
1851	1,425,700	14,205	28,410	43,338	26,570	19.9	30.4	18.6
1852	1,443,900	14,153	28,306	43,390	28,550	19.6	30.5	19.3
1853	1,462,300	13,521	27,042	40,614	35,592†	18.5	31.9	24.3†
1854	1,481,000	12,994	25,988	48,725	27,439	17.5	32.9	18.5
1855*	1,499,850	12,821	25,642	48,160	30,157	17.1	32.1	20.1
1856	1,519,500	13,175	26,350	49,553	28,662	17.3	32.6	18.9
1857	1,539,300	13,847	27,694	51,054	33,768	18.0	33.2	21.9
1858	1,559,500	13,626	27,252	52,115	36,388	17.5	33.4	23.3
1859	1,579,900	13,334	26,668	53,361	32,268	16.9	33.8	20.4
1860*	1,608,362	12,849	25,698	52,536	32,524	16.0	32.7	20.2
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	52,700	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	15,200	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	14,180	28,360	61,788	37,365	17.1	32.6	19.7
1877	1,911,300	15,428	30,856	60,850	35,806	16.1	31.8	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*	1,969,059	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	2,088,500	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	2,151,400	15,233	30,466	67,395	40,004	14.2	31.3	18.6

NOTE.—An addition of territory containing a population of about 8000 was made in 1864, and the facts relating thereto are included in this Table from 1860. Previously to 1st January 1860, children who died within 24 hours after birth were counted as still-born.

* Census year.

† Cholera was epidemic in the year 1853, and war raged in the years 1850 and 1864.

TABLE 45.—NORWAY. Population, Marriages, Births, and Deaths, 1871-89.

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

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.
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	56,353	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	12,374	24,748	58,375	35,325	13.4	30.9	18.4
1883	1,925,400	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	61,652	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	1,995,000	12,400	24,800	59,200	34,700	12.4	29.7	17.4

* Census year.

TABLE 46.—SWEDEN. Population, Marriages, Births, and Deaths, 1850-89.

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

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	POPULATION, in the middle of each Year.	MARRIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1850*	3,461,914	26,267	52,534	110,399	68,514	15.2	31.9	19.8
1851	3,499,594	25,750	51,500	111,065	72,506	14.7	31.7	20.7
1852	3,528,523	24,150	48,300	108,305	80,090	13.7	30.7	22.7
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*	3,624,563	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	3,888,537	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	23,248	46,496	136,004	81,937	14.0	33.6	20.2
1865	4,092,101	23,944	47,888	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	13.1	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	14.0	31.2	20.3
1876	4,406,502	31,184	62,368	135,890	86,334	14.1	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	12.8	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	4,726,645	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	—	—	—	—	—	—	—	—

* Census year.

† Cholera was epidemic in the years 1853, 1857, and 1866. In 1874 small-pox caused 4063 deaths, the highest number in any year since 1801. In 1877 scarlet fever caused 7426 deaths, and in 1881 diphtheria caused 3897 deaths.

TABLE 47.—AUSTRIA. Population, Marriages, Births, and Deaths, 1853-89.

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

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION, at the end of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS. Still-born.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1853	17,816,877	137,621	275,242	665,994	570,885	15.4	37.4	32.0
1854	17,911,986	124,258	248,516	654,267	622,695	13.9	36.5	34.8
1855	17,733,086	147,186	294,372	577,177	881,094	16.6	32.5	49.7
1856	17,843,463	147,474	294,948	653,172	541,887	16.5	36.6	30.4
1857*	18,224,500	147,657	295,314	725,334	503,915	16.2	39.8	27.7
1858	18,458,396	155,073	310,146	729,666	532,920	16.8	39.5	28.8
1859	18,671,781	130,656	261,312	753,880	540,475	14.0	40.4	28.9
1860	18,884,598	158,340	316,680	715,608	502,809	16.8	37.9	26.6
1861	19,029,405	151,440	302,880	708,209	563,402	15.9	37.2	29.6
1862	19,193,087	168,684	337,368	726,474	562,792	17.6	37.9	29.3
1863	19,398,051	162,958	325,916	781,455	576,471	16.8	40.3	29.7
1864	19,602,736	160,740	321,480	789,827	585,142	16.4	40.3	29.8
1865	19,750,318	153,492	306,984	746,445	598,863	15.5	37.8	30.3
1866	19,692,487	128,051	256,102	746,507	804,338†	13.0	37.9	40.9†
1867	19,838,970	191,661	383,322	726,538	580,055	19.3	36.6	29.2
1868	20,026,554	182,940	365,880	758,591	571,558	18.3	37.9	28.5
1869*	20,217,531	208,787	417,574	795,360	588,995	20.7	39.3	28.9
1870	20,421,737	199,083	398,166	808,281	598,581	19.5	39.6	29.3
1871	20,601,118	194,501	389,182	801,515	616,729	18.9	38.9	29.9
1872	20,728,929	192,406	384,812	810,147	677,022	18.6	39.1	32.7
1873	20,740,588	194,815	389,630	828,030	811,150‡	18.8	39.9	39.1‡
1874	20,902,239	189,017	378,034	829,709	662,929	18.1	39.7	31.7
1875	21,105,317	180,349	360,698	842,303	634,088	17.1	39.9	30.0
1876	21,319,544	176,148	352,296	853,436	634,363	16.5	40.0	29.8
1877	21,467,718	161,337	322,674	830,776	677,748	15.0	38.7	31.6
1878	21,614,206	164,233	328,466	833,251	683,661	15.2	38.6	31.6
1879	21,812,654	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	15.3	38.0	29.8
1881	22,136,223	176,983	353,966	833,467	676,515	16.0	37.7	30.6
1882	22,320,116	183,378	366,756	873,522	686,951	16.4	39.1	30.8
1883	22,498,862	176,016	352,032	858,832	677,337	15.7	38.2	30.1
1884	22,707,845	179,171	358,342	878,321	666,523	15.7	38.4	29.4
1885	22,876,095	175,233	350,466	860,663	689,493	15.2	37.4	30.1
1886	23,070,688	180,191	360,282	876,033	678,458	15.6	38.0	29.4
1887	23,284,769	182,088	364,176	889,478	672,302	15.6	38.2	28.8
1888	23,484,995	185,991	371,982	889,901	686,573	15.8	37.9	29.2
1889	23,733,410	177,771	355,542	898,350	646,787	15.0	37.9	27.3

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 48.—HUNGARY. Population, Marriages, Births, and Deaths, 1876-89.

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

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.
1876	15,510,696	154,305	308,610	704,856	545,570	19.9	45.4	35.2
1877	15,618,027	148,380	296,760	669,816	562,485	18.4	42.9	36.0
1878	15,706,315	147,014	294,028	665,392	577,104	18.7	42.4	36.7
1879	15,863,294	162,188	324,376	713,584	556,605	20.5	45.0	35.1
1880*	15,642,102	144,126	288,252	672,352	583,788	18.4	43.0	37.3
1881	15,776,187	157,733	315,466	676,891	542,836	20.0	42.9	34.4
1882	15,911,191	163,839	327,678	696,682	561,648	20.6	43.8	35.3
1883	16,114,047	167,609	335,218	718,684	515,828	20.8	44.6	32.0
1884	16,351,290	167,404	334,808	740,963	503,720	20.5	45.3	30.8
1885	16,564,571	165,169	330,338	737,110	523,829	19.9	44.5	31.6
1886	16,797,081	160,674	321,348	759,617	527,107	19.1	45.2	31.4
1887	16,973,028	151,511	303,022	744,480	568,533	17.9	43.9	33.5
1888	17,180,971	158,881	317,762	745,636	544,478	18.5	43.4	31.7
1889	—	—	—	—	—	—	—	—

* Census year.

TABLE 49.—SWITZERLAND. Population, Marriages, Births, and Deaths, 1868-89.

(Compiled from the Reports issued by the Federal 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. Still-born.	PERSONS MARRIED.	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	2,679,469	19,514	39,028	77,633	74,002	14.6	29.0	27.6
1872	2,697,165	21,212	42,424	80,329	59,758	15.7	29.8	22.2
1873	2,714,860	20,649	41,298	80,569	61,676	15.2	29.7	22.7
1874	2,732,556	22,655	45,310	83,051	60,845	16.6	30.4	22.3
1875	2,750,251	24,629	49,258	87,579	66,113	17.9	31.8	24.0
1876	2,767,947	22,376	44,752	90,786	66,819	16.2	32.8	24.1
1877	2,785,642	21,871	43,742	89,244	65,353	15.7	32.0	23.5
1878	2,803,338	20,590	41,180	87,833	65,311	14.7	31.3	23.3
1879	2,821,033	19,450	38,900	86,180	63,651	13.8	30.5	22.6
1880*	2,838,729	19,413	38,826	84,165	62,223	13.7	29.6	21.9
1881	2,852,462	19,425	38,850	85,142	63,979	13.6	29.8	22.4
1882	2,863,366	19,414	38,828	82,689	62,849	13.6	28.9	21.9
1883	2,874,270	19,696	39,392	81,974	58,733	13.7	28.5	20.4
1884	2,885,174	19,898	39,796	81,571	58,301	13.8	28.3	20.2
1885	2,896,078	20,105	40,210	80,349	61,548	13.9	27.7	21.3
1886	2,906,982	20,050	40,160	80,763	60,061	13.8	27.8	20.7
1887	2,917,886	20,646	41,292	81,237	58,639	14.2	27.9	20.2
1888*	2,933,334	20,701	41,402	81,098	58,227	14.1	27.7	19.9
1889	2,940,553	20,691	41,382	81,176	59,715	14.1	27.6	20.3

* Census year.

TABLE 50.—GERMAN EMPIRE. Population, Marriages, Births, and Deaths, 1872-89.

(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 MARRIED.	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	365,930	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	1,156,291	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	47,103,000	372,326	744,652	1,746,133	1,233,737	15.8	37.1	26.2
1887	47,540,000	370,659	741,318	1,757,079	1,151,924	15.6	37.0	24.2
1888	48,020,000	376,654	753,308	1,761,407	1,142,826	15.7	36.7	23.8
1889	48,512,000	389,339	778,678	1,772,570	1,153,087	16.1	36.5	23.8

* Census year.

TABLE 51.—PRUSSIA. Population, Marriages, Births, and Deaths, 1853-89.

(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 MARRIED.	BIRTHS.	DEATHS.
1853	16,990,184	145,345	290,690	633,018	495,092	17.1	37.3	29.1
1854	17,097,394	134,261	268,522	622,917	475,005	15.7	36.4	27.8
1855*	17,176,336	131,911	263,822	593,511	526,154	15.4	34.6	30.6
1856	17,276,226	141,267	282,534	601,005	453,298	16.4	34.8	26.2
1857	17,439,813	162,475	324,950	674,784	493,173	18.6	38.7	28.3
1858*	17,634,959	167,387	334,774	699,354	488,912	19.0	39.7	27.7
1859	17,870,194	150,569	301,138	715,635	462,360	16.9	40.0	25.9
1860	18,139,940	151,847	303,694	699,403	429,968	16.7	38.6	23.7
1861*	18,394,861	146,992	293,984	692,989	467,612	16.0	37.7	25.4
1862	18,629,026	157,118	314,236	692,395	457,736	16.9	37.2	24.6
1863	18,875,966	163,704	327,408	745,226	492,068	17.3	39.5	26.1
1864*	19,134,883	165,590	331,180	758,983	503,279†	17.3	39.7	26.3†
1865	19,363,435	176,236	352,472	761,298	530,157	18.2	39.3	27.4
1866	19,487,770	151,759	303,513	765,316	664,903†	15.6	39.3	34.1†
1867*	23,877,134	222,466	444,932	864,471	614,211	18.6	37.0	25.7
1868	24,066,759	212,958	425,916	887,810	658,728	17.7	36.9	27.4
1869	24,260,862	216,914	433,828	919,075	632,042	17.9	37.9	26.1
1870	24,484,786	181,539	363,078	938,489	665,942†	14.8	38.3	27.2†
1871*	24,630,440	196,330	392,660	833,274	709,287†	15.9	33.8	28.8†
1872	24,750,637	255,886	511,772	984,315	725,945	20.7	39.8	29.3
1873	24,948,408	253,327	506,654	989,173	699,652†	20.3	39.6	28.0†
1874	25,219,818	245,224	490,448	1,013,295	652,189	19.4	40.2	25.9
1875*	25,549,935	231,331	462,662	1,041,787	679,871	18.1	40.8	26.6
1876	25,950,148	221,727	443,454	1,056,623	660,402	17.1	40.7	25.4
1877	26,305,317	210,357	420,714	1,048,539	672,404	16.0	39.9	25.6
1878	26,634,797	207,716	415,432	1,032,007	686,301	15.6	38.7	25.8
1879	26,962,742	206,752	413,504	1,051,802	666,612	15.3	39.0	24.7
1880*	27,206,339	208,456	416,912	1,029,017	692,926	15.3	37.8	25.5
1881	27,381,332	209,586	419,172	1,012,931	682,364	15.3	37.0	24.9
1882	27,556,624	217,239	434,478	1,036,133	700,336	15.8	37.6	25.4
1883	27,740,418	220,748	441,496	1,028,849	711,372	15.9	37.1	25.6
1884	27,947,407	225,939	451,873	1,051,177	718,231	16.2	37.6	25.7
1885*	28,198,348	230,707	461,414	1,064,701	717,922	16.4	37.8	25.4
1886	28,467,004	231,588	463,176	1,074,503	742,890	16.3	37.7	26.1
1887	28,754,586	229,999	459,998	1,085,178	686,306	16.0	37.7	23.9
1888	29,080,650	233,421	466,842	1,091,344	665,537	16.1	37.5	22.9
1889	29,416,450	240,996	481,992	1,094,504	682,719	16.4	37.2	23.2

NOTE.—Prussia includes Schleswig-Holstein, Hanover, Hesse, Nassau, and Frankfurt, from the year 1867; and the Duchy of Lauenburg since the middle of the year 1876.

* 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 52.—THE NETHERLANDS. Population, Marriages, Births, and Deaths, 1853-89.

(Compiled from the Annuaire Statistique des Pays Bas.)

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	3,154,730	24,487	48,974	104,297	77,415	15.5	33.1	24.5
1854	3,180,790	23,855	47,710	104,244	76,475	15.0	32.8	24.0
1855	3,207,065	23,367	46,734	102,815	90,202	14.6	32.1	23.1
1856	3,233,843	24,509	49,018	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	103,067†	16.3	35.0	31.2†
1860	3,322,699	27,108	54,216	105,847	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	23,419	56,838	124,758	82,064	16.6	36.4	23.0
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	91,974	17.0	36.1	25.9
1866	3,540,841	29,620	59,240	125,253	101,854†	16.7	35.4	28.8†
1867	3,572,495	29,935	59,870	126,504	84,767	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	106,974†	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	36.5	25.6
1876	3,837,491	31,699	63,398	142,210	90,187	16.5	37.1	23.5
1877	3,895,124	31,470	62,940	142,618	86,289	16.2	36.5	22.2
1878	3,953,339	30,711	61,422	142,746	90,739	15.5	36.1	23.0
1879*	4,009,448	30,655	61,310	147,014	90,024	15.3	36.6	22.5
1880	4,048,801	30,349	60,698	143,855	95,282	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	29,394	59,788	148,023	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	91,134	13.9	33.2	20.1

* Census year.
† Cholera prevailed in 1859 and 1866, and caused 3,378 and 19,686 deaths respectively; small-pox caused 15,787 deaths in 1871.

TABLE 53.—BELGIUM. Population, Marriages, Births, and Deaths, 1853-89.

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

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION at the end of each Year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS. Still-born.	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	29,490	58,980	131,897	103,266	12.9	28.8	22.5
1855	4,607,066	29,818	59,636	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	4,671,187	36,941	73,882	149,812	111,650	15.8	32.1	23.9
1860	4,731,957	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	31.5	21.7
1869	5,021,336	37,134	74,268	158,687	109,607	14.8	31.6	21.8
1870	5,087,826	35,283	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	32.6	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	5,412,781	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	5,536,654	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	5,784,958	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	175,583	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

* Census year.

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

TABLE 54.—FRANCE. Population, Marriages, Births, and Deaths, 1853-89.

(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.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS. Exclusive of Still-born.	DEATHS. Still-born.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1853	36,108,206	230,609	561,218	936,967	795,607	15.5	25.9	22.0
1854	36,249,566	270,696	541,392	923,461	992,779	14.9	25.5	27.4
1855	36,180,248	233,335	566,670	902,336	937,942	15.7	24.9	25.9
1856*	36,139,364	234,401	568,802	952,116	837,082	15.7	26.3	23.2
1857	36,268,793	295,510	591,020	940,709	858,785	16.3	25.9	23.7
1858	36,350,717	307,056	614,112	969,343	874,186	16.9	26.7	24.0
1859	36,445,874	298,417	596,834	1,017,896	979,333	16.4	27.9	26.9
1860	36,484,437	288,936	577,872	956,875	781,635	15.8	26.2	21.4
1861*	37,386,313	305,203	610,406	1,005,078	866,597	16.3	26.9	23.2
1862	37,517,752	303,514	607,028	995,167	812,978	16.2	26.5	21.7
1863	37,699,941	301,376	602,752	1,012,794	846,917	16.0	26.9	22.5
1864	37,865,818	299,579	599,158	1,005,880	860,330	15.8	26.6	22.7
1865	38,011,368	299,242	598,484	1,005,753	921,887†	15.7	26.5	24.3†
1866*	38,067,064	303,634	607,268	1,006,258	884,573†	16.0	26.4	23.2†
1867	38,188,749	300,333	600,666	1,007,755	866,887	15.7	26.4	22.7
1868	38,329,617	301,225	602,450	984,140	922,038	15.7	25.7	24.1
1869	38,855,178	303,482	606,964	948,526	864,320	16.5	25.7	23.5
1870	38,985,212	223,705	447,410	943,515	1,046,909†	12.1	25.5	28.3†
1871	38,544,067	262,476	524,952	826,121	1,271,010†	14.4	22.6	34.8†
1872*	38,102,921	352,754	705,508	966,000	793,064	19.5	26.8	22.0
1873	38,281,335	321,238	642,476	946,354	844,588	17.7	26.1	23.3
1874	38,459,749	303,113	606,226	954,652	781,709	16.6	26.2	21.4
1875	38,638,163	300,427	600,854	950,975	845,062	16.4	26.0	23.1
1876*	38,905,788	291,366	582,732	966,682	834,074	15.8	26.2	22.6
1877	37,048,410	279,094	558,188	944,576	801,954	15.1	25.5	21.6
1878	37,146,585	279,892	559,784	937,211	839,036	15.1	25.2	22.6
1879	37,365,544	282,776	565,552	936,529	839,882	15.1	25.0	22.5
1880	37,518,796	279,046	558,092	920,177	858,237	14.9	24.5	22.8
1881*	37,672,048	282,079	564,158	937,057	828,828	15.0	24.9	22.0
1882	37,769,000	281,060	562,120	935,566	838,539	14.8	24.8	22.2
1883	37,866,000	284,519	569,033	937,944	841,141	15.0	24.8	22.2
1884	37,949,000	289,555	579,110	937,758	858,784	15.3	24.8	22.2
1885	38,123,000	283,170	566,340	924,558	836,597	14.9	24.2	21.9
1886*	38,218,903	283,208	566,416	912,838	860,222	14.8	25.9	22.5
1887	38,320,000	277,060	554,120	899,333	842,797	14.5	23.5	22.0
1888	38,390,000	276,848	553,696	882,639	837,867	14.4	23.1	21.8
1889	38,480,000	272,934	545,863	880,579	794,933	14.2	23.0	20.5

NOTE.—The population in the four years 1862-65 and in the years 1867-69 is estimated by means of the average annual rate of increase observed between the two enumerations of 1861 and 1866. 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 1865-66, and war raged in 1870 and 1871.

2.662.551
2.475.597

TABLE 55.—SPAIN. Population, Marriages, Births, and Deaths, 1861-84.

YEAR.	NUMBERS.					PROPORTION PER 1000 OF THE POPULATION.		
	ESTIMATED POPULATION, beginning of each year.	MAR-RIAGES.	PERSONS MARRIED.	BIRTHS.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1861*	15,673,481	130,731	261,462	624,096	417,764	16·7	39·8	26·7
1862	15,867,326	128,696	257,392	615,919	430,663	16·2	38·8	27·1
1863	16,043,725	124,176	248,352	606,800	461,661	15·5	37·8	28·8
1864	16,180,205	126,303	252,606	629,546	499,486	15·6	38·9	30·9
1865	16,302,170	128,917	257,834	622,050	538,580	15·8	38·2	33·0
1866	16,378,503	131,981	263,962	618,981	463,684	16·1	37·8	28·3
1867*	16,526,516	118,409	236,818	624,212	487,151	14·3	37·8	29·5
1868	16,656,901	111,687	223,374	573,563	548,690	13·4	34·8	32·9
1869	16,682,453	137,120	274,240	602,287	550,560	16·4	36·1	33·0
1870	16,728,589	109,807	207,614	598,347	512,249	12·4	35·8	30·6
1871-7	—	—	—	—	—	—	—	—
1878*	16,634,345	117,693	235,386	608,682	509,598	14·2	36·6	30·6
1879	16,733,429	110,724	221,448	609,222	512,093	13·2	36·4	30·6
1880	16,830,558	104,214	208,428	606,436	508,243	12·4	36·0	30·2
1881	16,928,751	107,841	215,682	638,238	512,701	12·7	37·7	30·3
1882	17,054,289	102,727	205,454	625,601	535,570	12·0	36·7	31·4
1883	17,144,819	107,983	215,966	617,023	567,653	12·6	36·0	33·1
1884	17,193,689	115,470	230,940	637,052	535,256	13·4	37·1	31·1

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, which occurred in that year.

* Censuses were taken on 31st December 1860, 1866, and 1877.

TABLE 56.—ITALY. Population, Marriages, Births, and Deaths, 1864-89.

(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. Exclusive of Still-born.	DEATHS.	PERSONS MARRIED.	BIRTHS.	DEATHS.
1864	24,749,861	198,759	397,518	938,795	737,136	16·1	37·9	29·8
1865	24,957,965	226,458	452,916	961,234	746,685	18·1	38·5	29·9
1866	25,189,744	142,024	284,048	980,200	733,190	11·3	38·9	29·1
1867	25,342,516	170,456	340,912	927,396	866,865	13·5	36·6	34·2
1868	25,434,376	182,743	365,486	900,416	777,224	14·4	35·4	30·6
1869	25,615,123	205,287	410,574	952,134	713,832	16·0	37·2	27·9
1870	25,823,437	188,986	377,972	951,495	773,169	14·6	36·8	29·9
1871*	25,964,450	192,839	385,678	960,020	778,798	14·9	37·0	30·0
1872	26,397,746	202,361	404,722	1,020,682	827,498	15·0	37·9	30·8
1873	27,079,946	214,906	429,812	985,188	813,973	15·9	36·4	30·1
1874	27,227,756	207,997	415,994	951,658	827,253	15·3	34·9	30·4
1875	27,386,066	230,486	460,972	1,035,377	843,161	16·8	37·8	30·8
1876	27,625,825	225,453	450,906	1,083,721	796,420	16·3	39·2	28·8
1877	27,890,085	214,972	429,944	1,029,037	787,817	15·4	36·9	28·2
1878	28,110,158	199,885	399,770	1,012,475	813,550	14·2	36·0	28·9
1879	28,323,356	218,096	426,192	1,064,153	836,682	15·0	37·6	29·9
1880	28,481,045	196,738	383,476	957,900	869,992	13·8	33·6	30·5
1881*	28,459,623	230,113	460,286	1,081,125	784,181	16·2	38·0	27·6
1882	28,596,512	224,041	448,082	1,061,094	787,326	15·7	37·1	27·5
1883	28,872,024	231,945	463,890	1,071,452	794,196	16·0	37·1	27·5
1884	29,185,842	239,513	479,026	1,130,741	780,361	16·4	38·7	26·7
1885	29,530,408	233,931	467,862	1,125,970	787,217	15·8	38·1	26·6
1886	29,820,963	233,310	466,620	1,086,960	844,603	15·6	36·4	28·3
1887	30,104,099	235,629	471,258	1,152,906	828,992	15·7	38·3	27·5
1888	30,415,622	2 6,883	473,776	1,119,563	820,431	15·6	36·8	27·0
1889	30,756,247	229,994	459,988	1,148,249	766,131	15·0	37·3	24·9

NOTE.—The numbers for Rome were first included with those for the Kingdom of Italy in 1872. The population figures given for census years show the numbers enumerated on 31st December in each of those years; whereas for each of the other years the population is estimated to the middle of the year. The populations in inter-census years are somewhat over-estimated, no account having been taken of emigration.

* Census year.

TABLE 57.—ENGLAND. Changes in the Constitution of Registration Districts and Sub-districts during the Year 1889.

N.B.—(1.) The Name of the District is in SMALL CAPITALS, that of the Sub-district in *Italics*.
(2.) The Populations quoted are the Numbers enumerated at the Census of 1881.

No. of District.	NAME OF REGISTRATION DISTRICT.	Date of Change.	Nature of Change.
16	BETHNAL GREEN	1889. 1 October	The four sub-districts of <i>Hackney Road, Green, Church, and Town</i> were dissolved and the district re-arranged as follows, viz.:— <i>Bethnal Green North</i> sub-district consists of that portion of the parish situate north of Bethnal Green Road and west of Cambridge Road, including the north side of Bethnal Green Road (aggregate population 51,157); <i>Bethnal Green South</i> sub-district consists of that portion of the parish situate south of Bethnal Green Road and west of Cambridge Road, including the south side of Bethnal Green Road (aggregate population 34,399); and <i>Bethnal Green East</i> sub-district comprises both sides of Cambridge Road and all that portion of the parish to the east of it (aggregate population 41,405).
303	WILLITON	1 May	The parish of West Quantoxhead (population 278) was transferred from the sub-district of <i>Stogumber</i> to that of <i>Williton</i> .
377	TENBURY	1 May	The sub-districts of <i>Tenbury</i> and <i>Bockleton</i> were united under the name of <i>Tenbury</i> (population 7,588).
387	ASTON	1 April	That part of the parish of Aston forming the parliamentary borough of Aston Manor, which was formerly included in <i>Erdington</i> sub-district, was constituted a separate sub-district, and named <i>Aston Manor</i> (population 53,842).
431	NOTTINGHAM	1 April	The sub-districts of <i>Lenton</i> and <i>Park</i> were united under the name of <i>Lenton</i> (population 25,483).
496	HALIFAX	1 April	That part of the parish of Skircoat which is situated in Sowerby Bridge Local Board District (population 2,538), was transferred from the sub-district of <i>Halifax</i> to that of <i>Sowerby</i> .
595	LLANDOVERY	1 January	The sub-districts of <i>Llansadwrn</i> and <i>Conwil Cayo</i> were united under the name of <i>Conwil Cayo</i> (population 3481).
595	LLANDOVERY	1 April	The parishes of <i>Llansadwrn</i> and <i>Llanwrda</i> (aggregate population 1502) were separated from the sub-district of <i>Conwil Cayo</i> and constituted a separate sub-district under the name of <i>Llansadwrn</i> . The effect of this change is to restore the arrangement of the district existing prior to 1st January 1889 (<i>see above</i>).

Under the provisions of "The Divided Parishes and Poor Law Amendment Acts, 1876 and 1879," changes were made on the 24th March 1889 in the constitution of the following Districts, viz.:—MAIDSTONE (50), HOLLINGBOURN (51), EAST ASHFORD (55), BRIDGE (56), PETWORTH (80), MIDHURST (85), ISLE OF WIGHT (91*), WINCHESTER (101), ALRESFORD (105), BRADFELD (118), READING (119), WOKINGHAM (120), WOODSTOCK (152), BANBURY (155), ORSETT (190*), BILLERICAY (191), CHELMSFORD (192*), MALDON (194*), LEXDEN (197*), BRAINTREE (199*), DUNMOW (200*), BASFORD (430), BINGHAM (434), BELPER (437), ASHBOURNE (438), NORTHWICH (447), CONGLETON (448), CHORLTON (464), ASHTON-UNDER-LYNE (468), ROTHBURY (567*), BANGOR (628), and HOLYHEAD (630B).

* In these cases the limits of the sub-districts only are affected.