

**APPENDICES.****APPENDICES.**

## APPENDICES.

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## APPENDIX A.

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LETTER to the REGISTRAR GENERAL on the CAUSES of DEATH in  
ENGLAND, by WILLIAM FARR, Esq., M.D., F.R.S.

YEAR 1870.

SIR,

THE people of this kingdom, happily situate in many respects, and neither visited by desolating wars, nor destructive plagues, are still surrounded by dangers, which either by internal defects, or by hostile forces of nature, cut short among so many millions a certain number of lives. The mode of death varies from year to year. In the year under review the deaths exceeded the average, the increase arising on zymotic diseases. Scarlet fever prevailed extensively, and diarrhoea was very fatal, owing much to the defective water supplies. Small-pox, measles, and fever were less than usually fatal ; but heart disease increased, and so did bronchitis, especially in the extremely cold weather at the beginning and end of the year.

### I.—ZYMOTIC DISEASES.

By this class of maladies 120,511 persons died. It is here that the various forms of plague are found, which experience has shown are influenced to a large extent by sanitary conditions. Thus small-pox is diminished by vaccination, enteric fever by sweetness of air, typhus by ventilation, erysipelas (St. Anthony's fire) by cleanliness, metria (puerperal fever) by the isolation of mothers, diarrhoea and cholera by the exclusion of sewage from the waters in domestic use. The deaths from scarlet fever in each county, from fever at each age and in each year from 1854 to 1870, and from erysipelas at each age for the years 1862-70, are given in the Tables 4, 5, 6, and 7.

No greater mistake can be made than to assert of Asiatic cholera, as is done with a kind of oriental fatalism, by some popular writers, that cholera is under no kind of control. Now, it is, I believe, more completely under medical control than any other known epidemic disease : in the first place its propagating fluid is tangible, and can be destroyed ; and in the second place the disease almost invariably begins as diarrhoea, which can in the great majority of cases be stopped by simple remedies. The disease here never decimates cities, except when its poison is diffused through their potable waters. To the practical applications of these well ascertained scientific facts, it is due that Asiatic cholera, which in 1849 destroyed 53,273 lives, in 1854 was only fatal to 20,097, in 1866 to 14,378 lives in England and Wales. The deaths from common cholera of this climate were 702 in 1869, and 1065 in the present year.

The secret of arresting the ravages of scarlet fever, of measles, and of whooping-cough has as yet not been fully disclosed ; they are often fatal, it is true, in families living apparently under satisfactory sanitary conditions ; but there is good reason to believe that the mortality increases rapidly in proportion as those conditions are unfavourable. All zymotic diseases are most fatal in the densest districts ; and although this excess of fatality may be due in part to the more frequent contact of the integral parts of the dense population, and to the facilities for zymotic diffusion, it is nevertheless certainly due in part to the concentrated impurities of towns. Measles was twice as fatal in London, whooping-cough more than twice as fatal,

as in the South-eastern counties; from scarlet fever the mortality was also as two to one. The mortality from the three diseases was twice as high in London as in the South-eastern counties.

*Enthetic diseases.*—The deaths ascribed to syphilis amounted to 1858; a number nearly the same as in the two previous years. The numbers were 879 in 1856, and they have consequently doubled in 14 years. That the disease is the cause of many deaths not yet so registered, but registered under other forms, is certain; and improved registration has probably contributed in some degree to the increase of cases, concealed before but now brought to light. 968 were males, 890 females; and of these numbers 762 were boys, 666 girls under one year of age. The following was the distribution of deaths at other ages:—

Ages -	15-	20-	25-	35-	45-	55-	65-	75-	85-	95-
Syphilis :										
Males - -	5	18	47	33	25	15	6	-	-	-
Females - -	13	24	60	36	30	5	4	-	-	-
Stricture of urethra:										
Males - -	2	4	11	28	42	49	39	14	-	1
Females - -	-	-	-	-	-	-	-	-	-	-

It will be noticed that from the age of 15 to 35 there is a great excess of deaths among women; from 35 to 45 the excess is slight; and after the age of 55, as might be expected, few women die of enthetic disease; their day and dangers are over. There are two diseases here included of a totally different character; one giving rise to a formidable secondary disease (stricture) in men, which was fatal in no less than 190 cases; so that, although from the first of the two diseases more women than men are destroyed in the proportion of 172 women to 149 men, the introduction of the secondary disease changes the numbers to 172 and 339.

Hydrophobia was more fatal in 1870 than in previous years; 32 deaths were ascribed to the disease; 4 to glanders. These two are the only diseases known to be communicated to man by his two most intimate domestic animals.

Many unhappy people die from the want of sufficient sustenance in every country; but it is probable that in England fewer die of starvation than in any other country, in consequence of the provision made by law for the relief of the poor. The deaths that do occur, therefore, demand the closer attention. They are analysed to some extent in Table 8. It is first worthy of note that more males than females die of privation: of the 416 so returned in five years, 4 tenths of the number (160) died in London. The deaths are fewer in the open than in the dense town districts. It is quite possible that the machinery for the discovery of such deaths is more complete in London than it is elsewhere: this must be borne in mind in interpreting the records.

Taking the returns of five years, it is seen that at the ages 5 to 25, during a large portion of which period children are dependent, more or less, upon their parents for subsistence, the deaths from starvation are few; only 30 in five years: then comes the personal struggle for existence in the world; and 15 young men, 12 women of the ages 25-35 succumb: the danger increases as the parents die, and the deaths rise to 37 of men, 23 of women, at the decennial ages following; 45 and 45 at the ages 45-55; 59 and 25 at the ages 55-65; 47 and 29, 10 and 11, at the two decenniads following. Two old women of the age of 85 and upwards are said to have died of starvation; but that after the age of 55 fewer women die of starvation than men.

The mother who is unable or unwilling to nurse her own child imperils its life; and the effect probably extends through all the after existence of

the soul, embarked on its voyage under such inauspicious circumstances. The effects would be shown clearly enough, if three Life Tables were constructed from observations well made,—the first of children nursed by their mothers; the second of children brought up by hand; and the third of children nursed by foster-mothers. Meantime we note that the death of 1402 babies was ascribed to inanition of infancy, or to the want of breast milk.

Purpura and scurvy caused the deaths of 258 males, and 215 females of all ages: such deaths appear to be more common than they were twenty years ago.

The deaths directly resulting from alcoholic poisoning were 645; namely 337 from delirium tremens, and 308 from the various forms of intemperance. The first thing to note is that men die of these poisonings in greater number than women: of delirium tremens 294 men, 43 women; of intemperance 202 men, 106 women. Two of the males were aged 15 and under 20; 2 of the women were 20 and under 25. The deaths by both forms are most numerous at the ages 35-45, but continue to rule up to the age of 75: two old women of 75 and under 85 are returned as having died of intemperance. Like other forms of insanity the drink madness supervenes in the prime of life, but as it cuts short the lives of its victims, fewer die at advanced ages of this than of the quieter forms of mental derangement. Mr. Dalrymple has proposed to treat drunkards by restraint; and there can be no doubt that these unhappy people require help to rescue them from habits as dangerous to the community as to themselves.

Of parasitic disease, worms are the common fatal form: 151 deaths are registered from this cause; including 9 as porrigo, 7 as scabies, 6 as tape-worm, 33 as hydatids. The hydatids affected females in 25 cases. The ova of worms are at times conveyed into the system by water; and it is always dangerous, therefore, to drink the water of rivers into which watercloset sewers empty. There is no reason to believe that these ova, any more than the zymotic *biads* (formed after the model of *monad* for the elementary organic corpuscle, sometimes called cell, by Mr. Darwin gemmule), are oxidized: instead of being destroyed they may be sustained by oxygen.

## II.—CONSTITUTIONAL DISEASES.

These are very fatal forms of disease, by which the health of the population is greatly impaired; they are of long duration, and in their attacks very fatal; cancer and consumption are the typical forms of the two orders of this class, which was fatal to 88,766 persons in the year. It is the class of diseases especially attaching to men and women in their prime, eating up their full lives as the canker eats the rose.

About phthisis there is some difficulty of nomenclature, as its most striking symptoms of slow wasting and decline, according to vulgar observation, are produced by tubercular deposits and ulceration, by chronic bronchitis, or by mechanical irritants and foulness in the breathed air, as in the grinders' rot of Sheffield, and in the Cornish miners' malady. Allowing for erroneous diagnosis does not account for the decrease in the mortality of phthisis from 3.03, 2.79, and 2.82 per 1000 in the 3 years 1853-5; to 2.40, 2.41, 2.44 in the last three years. As a set off again the decrease is the increase of the mortality referred to bronchitis and pneumonia in the corresponding years, from 2.57, 2.37, and 2.88; to 2.52, 3.18, and 3.17.

## III.—LOCAL DISEASES.

The life of man is so concentrated, that although its multitudinous phenomena are manifested in many organs, no one of them can be deranged without deranging the whole life, and in many cases without inducing death. One man dies because his brain is congested, and another because his lung is inflamed. The diseases of particular organs, which may be

called monorganic, constitute the class of local diseases, to which in the year 205,264 deaths were referred ; the mortality was somewhat above the average by these increasing diseases. This is especially the case with heart disease, to which were referred 11,356 deaths in the year 1850 ; 18,758 deaths in 1860 ; and 25,259 in 1870. The increase was progressive and rapid in the 20 years. Looking further back to the five years when registration first began, these affections of the heart were recognized to a still smaller extent ; they ranged from 3562 to 4925 a year. The deaths ascribed to aneurism amounted to 119 in 1838 ; to 286 in 1850 ; to 368 in 1860 ; and to 627 in 1870. This is a well defined affection of the great arteries, but it was not formerly detected with so much certainty as it is now.

Simultaneously with the increase of death by heart disease there was a decrease of death ascribed to dropsy ; and the fact to bear in mind is that dropsy is one of the striking, obvious symptoms of heart disease. The early mortality tables, previous to the inspection of the organs after death, when the knowledge of pathology was in its infancy, recognized no such thing as aneurism, pericarditis, hypertrophy, or any of the other forms of disease of the circulating system : dropsy on the other hand was one of the earliest diseases named. The circulation of the blood is so essential to the life of every organ—the brain for example—that its derangement may give rise to diseases of those organs, such as apoplexy, much more obvious to the eye, than the heart-sounds are to the ear. It is fair then to assume, that a part of the increase of heart disease in England is only apparent, and is due to improved nomenclature, to advancing diagnosis ; what was called dropsy is called hypertrophy of the heart, and so in other cases.

After making due allowance for this element, Dr. Quain, who has recently delivered the Lumleian lectures at the Royal College of Physicians, holds that there has been within the last 20 years an actual increase of heart disease in England. No. 22 of the following tables was framed at the instance of Dr. Quain, and should be carefully considered by the student.

The heart, excited by any violent affections, by athletic efforts, by anxiety, and by extraordinary demands on its forces, is believed by Dr. Quain, and other physicians in extensive practice, to have become more frequently the seat of disease, in consequence of the wear and tear of business, and of the increased mental activity of the age. Their impressions, derived from the study of particular cases, are confirmed by the general results ; but it is certain that the strain on the minds of the classes who consult these eminent physicians, is not shared by the great bulk of the population that fill up the returns ; and the problem can only be definitively solved by a careful analysis of the cases in connexion with the occupations of the people.

The increase of deaths ascribed to apoplexy, paralysis, and insanity is striking ; and in the last year the mortality by them is considerably above the average. Attention has before been drawn to the extraordinary mortality by bronchitis ; it appears to point to the necessity of getting rid as much as possible of all mechanical irritants in the air we breathe, and especially of the smoke of towns, the dust of workshops, and the close air of mines.

#### IV.—DEVELOPMENTAL DISEASES.

These are, besides premature birth, resulting from disease, weakness of child or mother, and the slow decay of age, malformations of various kinds, the atrophy of infancy and debility,—which are exhibited in four orders.

*Childbirth* is of course a physiological process, and under favourable conditions, where the mother has been previously taken proper care of, is attended with little danger. Unfortunately English mothers do not escape

scatheless ; nor can this be expected under existing circumstances ; 3875 mothers died in the year of the consequences of childbirth. But there is evidence of improvement. In the four years 1847-50 no less than 59 mothers died to every 10,000 children born alive ; in the four years 1867-70 the deaths had sunk to 45.

The error of collecting poor lying-in women into hospitals has been discovered, and to some extent discouraged ; medical men have adopted wiser measures ; they have taken greater precautions against infection ; and midwives have been better taught. Still there is great room for improvement.

A large proportion of the mothers of England have been, from time immemorial, attended by midwives : and this is an excellent and natural arrangement, as midwifery is a business for which intelligent women are admirably fitted. Until lately it was assumed that midwives were born not made ; their professional education was wholly neglected, or left to chance ; and it still rests on an unsatisfactory footing, although efforts have been made to impart systematic instruction in some quarters.

The midwife should be taught all the mechanical part of the art ; and be thoroughly initiated into the practice of health-keeping ; she would then be in a position to render her sex essential service.

I may be permitted here to make a few observations on the accuracy of the registration returns of deaths in childbearing. It is connected with a controversy, which has been waged with some warmth, and its settlement is of the first importance.

Seeing how destitute of comforts, means, and medical appliances many women are, the thought occurred to some benevolent person that they might be received and delivered in hospitals. It was the extension of the hospital system to midwifery cases, which have some analogy with wounds and injuries for which hospitals have been used from the date of their foundation. Contrary to expectation the advantages these institutions offered were over-balanced by one dread drawback ; the mortality of mothers was not diminished ; nay it became in some instances excessive ; in other instances appalling. The inscription—*Lasciate ogni speranza voi ch'entrate*—would have been as appropriate over their open doors as it was over the gloomy underworld of the great Italian poet. “I could” adduce a mortality of 1 in 3 in a certain period of the history of a great “hospital,” says no unfriendly writer that I shall soon quote ; who shows that in the Dublin hospital the deaths of mothers are in the proportion of 1 to 100 delivered, which he appears to consider the normal rate. Le Fort, who has assiduously collected the extant statistics, asserts, as the general result of his inquiries, that “the mortality of women delivered at home is 1 in 212, and that the mortality of women delivered in hospitals is 1 in 29.” This, a very distinguished physician, Dr. J. Matthews Duncan, M.D., F.R.S.E., pronounces “a terribly erroneous statement,” in a book written expressly on the “mortality of childbed and maternity hospitals.”\*

Dr. Duncan first criticises Le Fort’s statement that 1 of every 29 women delivered in a maternity dies. He does not question the fact that “taking the data of all maternity hospitals together, Le Fort finds that 1 of every 29 delivered has died.” But he questions the value of the fact in the argument. If the maternity of a hospital like La Charité “is so badly managed as to have a mortality of 1 in 7 what does that show with a view to the question of the mortality of childbed generally, or in hospitals as compared with that in houses ?” asks Dr. Duncan.† For myself I am inclined to attach a much greater importance to these facts than Dr. Duncan does : they at least show that the mortality in the aggregate of lying-in hospitals as hitherto constructed and managed, is as

\* Edinburgh, 1870.

† Duncan, p. 15.

high as 1 death of a mother in 29 delivered ; and some of them go the length of justifying Dr. Duncan's statement : "I dare say an hospital could be so constructed and managed as to kill all the inmates!" Dr. Duncan argues that these exceptional cases should be set aside ; that only well conditioned maternities should be selected for argument ; adding "it is well known that the best maternities are susceptible of vast improvements." So the case against lying-in hospitals is over-stated according to this eminent writer, who then proceeds to demolish the other branch of the argument, namely, that based very much on the English registration returns, according to which only one mother died to 214 children born alive. The chances by these returns in favour of a mother surviving are thus ; 213 to 1.

The English deaths are not all returned by medical men ; but 92 in 100 of them are so returned all over the country, and in London the proportion is 98 in 100 ; so that practically the facts are certified by the medical practitioners of the country. The certificate book, with which every legally qualified practitioner is supplied, contains this instruction :

"Whenever childbirth has occurred within one month before death, it should be registered in connexion with the cause of death."

There may be an indisposition in some cases to record the child-birth as the cause ; but there is no reason to believe that practitioners have generally shrunk from the performance of their duty. Dr. Duncan, however, is of a different opinion. "To show what sources of error in the registrar's reports are hidden from observation, I shall," he says, quote from Dr. Barnes a passage bringing one to light from a single locality.

"It is stated in the Registrar General's report for 1856, that the mortality in childbirth in England and Wales in 1847 was 1 in 167, and that it had fallen to 1 in 227 in 1856. Now, having applied to Dr. Elkington for the puerperal statistics of Birmingham, I learn that the registrar of that town says, that 'no one ever specifies the deaths in childbed or from puerperal fever'".\*

Dr. Barnes is one of the ablest physician accoucheurs of the day, and one of the most authoritative writers, it is not therefore surprising that this statement has been repeatedly cited since as decisive of the value of the registration returns by the medical practitioners of the kingdom. Dr. Duncan, the scientific author of one of the best works on fecundity, stamps the passage with his express approval.

Let us look at this passage, shorn of the halo of authority, and it comes to this, that Dr. Barnes learnt from Dr. Elkington of Birmingham, that the registrar of that town said, that "no one ever specifies the deaths in child-bed or from puerperal fever," and this is adduced to confute a statement "in the Registrar General's report for 1856." It is very easy to be accurate, or to verify a plain statement such as the above, but it is, as we all know, still easier to be inaccurate, and to accept a loose random statement as true. Strangely enough we find in the very report quoted this fact, that in the Birmingham district where nearly all the causes of death are returned by the medical practitioners, they returned in the year 1856 five deaths from puerperal fever, and seventeen from other causes connected with childbirth.†

Thus the reproach on the veracity of the medical certificates of Birmingham is swept away, and the superstructure of argument on this sandy foundation Dr. Duncan himself will probably be contented to "throw aside out of view." It must be admitted that it scarcely bears the light. Than Dr. Barnes and Dr. Duncan no one can better appreciate scientific accuracy ; but so pertinacious is error, so extensive has been the circulation of this passage, that unless they themselves consent to call in their false coin it will remain in circulation for an indefinite

\* From Dr. Duncan's mortality of Childbed and Maternity Hospitals, p. 12.

† See p. 190, and p. 168.

period. During the year 1870 the births in Birmingham were 8673, and according to the registration returns 36 mothers died of childbirth.

Dr. Duncan draws a proper distinction between deaths in childbirth and deaths of childbirth. "Deaths in childbirth," he says, "are all deaths, from whatever cause, occurring within the four child-bed weeks, including the period of labour."

This distinction is necessary, and is drawn in the registration abstracts. Pregnant women are subject to diseases like other women ; they may be killed by accidents, and may be attacked by small-pox and scarlet fever, which in them almost invariably prove fatal. Women suffering from phthisis or heart disease, or other chronic diseases, bear children, and in the abstracts the deaths are referred to these fatal causes, to which, rather than to incidental childbirth, their deaths are attributable. Thus, in addition to 3875 deaths from puerperal fever and the various accidents of childbirth, 719 women died soon after childbirth, 231 of small-pox or some other zymotic diseases, 138 of phthisis, 101 of heart disease.

41 women who were returned as pregnant, probably in the early stages, also died of various diseases.

A certain number of such cases find their way into lying-in hospitals, but not I imagine great numbers, as many of the cases of heart disease, phthisis, and so on will be treated in general hospitals, workhouses, or at home. If we add the 719 to the 3875 the proportion of deaths in childbirth to children born alive is 1 in 172 ; while the proportion of deaths directly referable to childbirth itself is 1 in 204 in the year 1870.

To ascertain the degree of error in the returns, those made for the London Weekly Tables during six weeks were scrupulously examined ; confidential inquiries were made in every doubtful case of the medical attendants, with this result : that only one doubtful death by childbirth was not so returned as to be easily distinguishable ; 66 were properly returned. All the cases of death from peritonitis, haemorrhage, and the like diseases in women of the childbearing age were inquired into ; only one of these was a death by childbirth, 5 were cases where the women were in the early stages of pregnancy (not admissible into lying-in hospitals), or had miscarried, and the rest were ordinary cases of disease in women not pregnant. The births during the six weeks were 12,814 ; taking the deaths of mothers corrected at 67 the proportion was one death in London to 191 ; while taken at 66 it is one death to 194. Stated otherwise, the deaths distinctly returned were in the proportion of 5·15 to 1000 children born alive, whereas by the correction they become 5·25 distinctly referable to childbirth and not to other diseases under which a certain number of pregnant women die.

Dr. Duncan had a careful search made in the Scotch registers of deaths in Edinburgh and Glasgow, and found that 153 mothers died out of 16,393 within six weeks after delivery ; or one in 107. He also deduces from certain returns of private practice a rate of mortality among mothers not very different from this. And from all his researches Dr. Duncan draws this inference, that "not fewer than one in every 120 women delivered at or near the full time die within the four weeks of child-bed."

Upon this I may remark (1.) that this represents the danger of childbearing as much greater than it is according to popular or medical repute ; it is at the rate among childbearing mothers of .833 per cent. per month, or at the rate of 10 per cent. per annum : about 10 times the ordinary rate of female mortality at that age, and equal to the rate among men in the worst climates. This is given as the average of all deliveries ; and as Dr. Duncan has well shown that the first delivery is the most dangerous, such a rate, if general, would represent marriage and childbearing as a most perilous ordeal for a young woman to encounter.

(2.) Is it not possible that childbirth may be more dangerous in Edinburgh and Glasgow, where the general mortality is high, than it is in all

England ; and is it by any means certain that the cases of death happening in the six weeks after 16,393 deliveries in these cities are sufficient to represent the experience of those cities, to say nothing of all Scotland, or of all England. It would imply also—differing as it does from the returns of deaths due to childbirth—a degree of inaccuracy in the returns of the causes of death in the two cities for which we are scarcely prepared.

(3.) With regard to the published deaths in the private practice of eminent accoucheurs is it not possible that there may be a natural selection against their success? Eminent accoucheurs are in many instances called in because the case is expected or found to be unusually difficult, dangerous, or requiring the use of instruments. Thus, when Sir James Simpson reports that at a certain time he lost four cases in at most 180 deliveries, we may be sure that this mortality of one in 45 is something exceptional. The circumstance that the facts are few is sufficient of itself to suggest selection. Accordingly we find that J. Clarke reports the loss of 22 mothers by death on 3847 deliveries, Dr. Churchill of 16 on 2548.

(4.) By Dr. Le Fort's Tables the death-rate among 934,781 women delivered at home was 1 in 212, or nearly 4·7 per 1000: which differs little from the general English rate.

(5.) While in the 11 large English towns the mortality rate is 4·9, in the 64 healthy country districts it is 4·3 in 1000.

(6.) As a set off against these cases of excessive mortality in the private practice of eminent accoucheurs, I may cite the returns with which I have been favoured by Mr. G. Rigden, M.R.C.S., an able conscientious practitioner in Canterbury, personally known to me, who has kept records of all his cases, and prepares the statistical health reports of that city. The analysis of 4132 consecutive cases in midwifery yields as the result of his observation 9 deaths : 3 from convulsions and coma, 4 from puerperal fever, 1 from heart disease, and 1 from a cause not stated. He, as a general rule, is a fortnight in attendance, within which period his observations are strictly confined; but he believes that in no instance did any other death occur within the month, as he must have heard of and recorded it.

Upon all these grounds I feel justified in questioning the deduction of Dr. Duncan. I have shown that the anecdote on which he reasons to invalidate the accuracy of the medical certificates of English registration is a fiction; I have shown that in London the returns bear the strictest examination; nor is this direct evidence rebutted by citing evidence as to other classes of facts of a different nature. Where is the logic of reasoning such as this: Drs. A., B., and C. lost, in the limited sphere of their practice, a high proportion of mothers delivered by them; in Edinburgh and Glasgow a much higher proportion died in the six weeks after childbirth; therefore the normal mortality in childbirth is high, and therefore the English registration certificates are untrue, indeed suppress the fact of the connection of death with delivery in nearly half the cases. Excluding such cases as death by small-pox, phthisis, and other fatal diseases not connected with childbearing, and correcting for defective specification, I am disposed to set down the mortality at present prevailing in England at not more than 5 deaths of the mother to every 1000 deliveries: or of 1 to every 200 deliveries.

Still-born children may occasion death in childbirth, so that a correction should be made for their exclusion, and a correction of another kind is required for the births of twins and triplets to get the exact mortality of women in childbirth. Our Tables in their crude form show the proportion of mothers dying to children born alive; the necessary corrections I have discussed in former reports.

If the lying-in institutions have at all suffered by comparison with the national returns, by including deaths not due to childbirth, it is their own fault; they should register the facts, and analyse them more accu-

rately. If that is done I do not conceive that Dr. M'Clintock's figures will be borne out drawn from home practice, representing the deaths among the inmates from non-puerperal diseases as 34 to every 97 from childbirth itself.

Miss Nightingale in her notes *On Lying-in Institutions*, after discussing the whole question, has given on page 75 a good form of register which the institutions would do well to adopt, as it would supply all the information required for the statistical analyses of their cases. Miss Nightingale's book was evidently suggested by the failure of the effort the committee of the fund made to establish a training school for midwives in King's College Hospital. She shows that, with every care, 27 poor women, or 1 in 29, died out of 781 delivered, and she shows besides the reason why. Her second chapter, on the "Constitution and Management of a Lying-in Institution" and training school for midwives and midwifery nurses, is not only well worth studying but carrying into effect. For so destitute are some poor creatures, that either in such separate institutions, or in work-houses, they must have help; and this necessity may be turned to account in a training midwifery school.

She establishes one capital fact under the head of military lying-in management. It is this: that ordinary women have no need of long nursing after lying-in. It is all over in a few days after retirement and delivery in the rude compartment of a hut. There are two camp hospitals, as they are called, for lying-in cases. "The Shorncliffe hospital is an old wooden hut of the simplest construction, with thorough ventilation. It is situate on a rising ground close to the sea, and facing it, so that the sea breeze sweeps right through it. It is scarcely more than a makeshift, and here are the results: up to December 1869 there had been 702 deliveries in the hut, among which there was one death from scarlet fever, and one from hemorrhage, besides two deaths following on craniotomy. There was not a single death from any puerperal disease."\* In Colchester, from 1865 to 1870, there had been 252 registered deliveries, and no deaths.

"In the Colchester wooden hut the patient is received into a separate compartment, of which there are four, where she is delivered and remains until discharged to quarters. It is very rarely indeed, if ever, that the four compartments are occupied simultaneously. The average stay is ten days; the average number of deliveries a year, 50. This hut does not form part of a hospital. It is a separate establishment, solely for lying-in women, as such accommodation should always be."†

When we consider the want of adequate accommodation in large towns for the wives of working men, it must be evident that a certain number of them would find great comfort in being able to retire, as the soldier's wife does, into a hut for a few days until their trouble was over; and for this shelter arrangements may be made to enable them to pay beforehand by instalments. The *natury*, clean and ventilated, armed with proper appliances, and a midwife on the spot, would be of more use even than a *mortuary*. It would no doubt succeed in the end if sufficiently distributed in the right quarters about towns; but as its uses would have to be taught, it would be some time before it could, as it should be, self-supporting. The Peabody Fund might give the *natury* a trial, by building a few suitable houses and letting them on easy terms.

#### V.—VIOLENT DEATHS.

To external causes 16,593 deaths in the year were directly referred: 14,393 to accident or negligence, none to battle, 381 to homicide, 1554 to suicide, 7 to execution, and 258 to undistinguished violence.

The mortality is at the rate of 745 to 1,000,000 living; which is below the high rate (797) of the previous five years. It may be hoped that the

\* Page 44.

† Page 64.

amended law will tend to reduce the deaths by accidents or negligence in mines ; and that railway accidents will every year grow less fatal, as the men are better cared for.

Burns and scalds are still fatal to a painful extent ; but their fatality declined from the rate 147 in 1,000,000 living in 1860-4, to 122 in 1865-9, and to 116 in 1870. Efforts should be made to reduce them to half the number.

Homicide was less frequent than it had been before. Executions have gradually decreased.

There is a remarkable contrast between the deaths by homicide in England, and the deaths from the same causes in Italy and Spain, where assassination is still so common.

I have the honour to be,  
Sir,  
Your obedient servant,  
WILLIAM FARR.  
  
To  
The Registrar General.

#### SUPPLEMENT TO DR. FARR'S LETTER.

Dr. Farr has been favoured by the two following letters from Mr. Rigden, M.R.C.S., and Dr. B. Foster, M.R.C.P., bearing upon the matter in the foregoing letter.

#### No. 1.

Burgate Street, Canterbury, July 24, 1872.

I have much pleasure in giving you full permission to make any use you please of my midwifery statistics, which I have taken very great interest in, and have prepared with great care ; every case being entered at the time of its occurrence and kept under observation for at least a fortnight, and even after this should any dangerous symptoms exist : therefore I can fairly report that only nine cases of death to the mothers have occurred after confinement within a reasonable time, or from any circumstance connected with the confinement.

Since the report furnished for Miss Nightingale, I find, in addition to the one fatal case occurring soon after the report, that I have attended 257 cases, viz., 17 at the end of the year 1870, 161 in 1871, and 79 during the present year, making a total of 4390 cases with only 9 deaths to the mothers.

It may not be of consequence to you, but I may inform you that for several years past I have accelerated with the forceps many labours which at an earlier period of my practice would have been left much longer to the natural efforts, and I am confident that this has not only been very beneficial to the mothers, but has saved a considerable number of children who would have been lost under the former treatment.

About a month since I was staying a short time in Dublin and took the opportunity of inspecting the Rotunda Hospital, which seemed to be very well managed, but I am confident that their success is not in any way to be compared to that of ordinary practice in the private houses of patients.

GEORGE RIGDEN.

#### No. 2.

16, Temple Row, Birmingham, July 26, 1872.

The Dr. Elkington who is responsible for the statement quoted by Dr. Barnes, has left Birmingham for Canada. His brother, Mr. Geo. Elkington, to whom I took the letter, undertook to forward it to Dr. Elkington in Canada, and by this time your letter is on its way across the Atlantic. Mr. Geo. Elkington who is an old practitioner here was quite surprised at the allegation contained in the extract quoted from Dr. Barnes. I have consulted several of the leading practitioners on the subject and from none can I gain any confirmation of Dr. Elkington's statement. Mr. Berry, the senior midwifery consultant and practitioner, assures me that the profession has not

suppressed the causes of death in childbed, and for my own part I am sure that my brethren are too high minded and honourable a class to be guilty of such a falsification of the register. Puerperal fever here is fortunately now comparatively rare. Some years ago it was rife and in the practice of one gentleman was so common that he was obliged to give up practice for a time ; but I cannot learn that at any time the deaths were not registered as puerperal fever deaths. As far as I can judge from the figures in your last supplement there is no evidence to show that the causes of death in childbed have been misstated at all, and there appears to me to be evidence enough to show that if such misstatement has been made that it has been done only exceptionally and not wilfully.

BALTHAZAR FOSTER.

The following is a digest of the replies of medical attendants to inquiries respecting all cases registered during six weeks in London, in which it appeared probable that childbirth or pregnancy preceded death, although not referred to in the certified cause of death. Names are suppressed as the inquiries were confidential.

Daughter of an artist, age 22, acute peritonitis, one week.

In this case there was no childbirth or pregnancy to my knowledge.

Wife of a waiter, age 41, phlebitis.

This case was not preceded by pregnancy or childbirth, and was apparently idiopathic as far as could be discovered from the symptoms during life, and from post-mortem examination.

Wife of a cabman, age 22, peritonitis, 6 weeks, abscess of liver, two weeks.

Neither childbirth nor pregnancy preceded the death in this case. She had been under the attendance of another medical man for about three weeks previously, and I was informed had had a very obstinate attack of diarrhoea, together with excessive tenderness of the abdomen all the time. My attention was drawn to a gonorrhœal-looking discharge. I have seen peritonitis from this cause several times. The abscess began to point only when she was moribund.

Wife of a railway clerk, age 38, haemorrhage, 3 weeks, exhaustion, 3 days.

In this case pregnancy and not childbirth had preceded the death of the patient. I believe she was about five months advanced in pregnancy. She was a poor woman, who either from necessity or carelessness neglected entirely the advice given as to rest, &c.

Wife of a butcher, age 27, natural causes. *Post-mort.*

Neither childbirth nor pregnancy had preceded the death, the exact cause of which could not be verified by the post-mortem examination.

Wife of a carpenter, age 23, peritonitis, 6 days.

This woman was about five months advanced in pregnancy, and she miscarried two days before she died.

Wife of a stoneyard foreman, age 32, aneurism of womb. *Post-mort.*

This person was supposed to be in her usual health. While taking her tea with some shrimps, she fell sick, and shortly afterwards vomited and became faint. She was seen the same evening, and was in collapse. Next morning she died. On post-mortem examination being made, a quantity of blood was found in the abdominal cavity, and a vessel running by the side of the fallopian tube was ruptured. It was concluded that there had been a small aneurism which had burst. There was no other disease.

Female, age 26, endocarditis, embolism of femoral artery. *Post-mort.*

This patient was confined about three weeks and four days before her death, which occurred in St. Thomas's Hospital. The confinement was premature, and the child died shortly after birth.

Female, age 21, secondary fever after haemorrhage.

Neither abortion nor pregnancy preceded the haemorrhage, which was believed to depend upon minute polypoid growths within the uterus. No post-mortem examination could, however, be obtained. The death took place in Guy's Hospital.

Milliner, age 18, rupture of ovarian cyst, peritonitis, 28 hours. *Post-mort.*

This death took place in St. George's Hospital. Neither childbirth nor pregnancy had preceded the death, so far as could be ascertained. On post-mortem examination the uterus was certainly unimpregnated, and bore no marks by which it could be inferred that it ever had been so.

Wife of a carpenter, age 31, ovaritis, peritonitis.

There was no history of pregnancy, no tenderness of breasts or sickness, though the catamenia had been suspended for two or three months. This last fact, together with the sudden and almost unlooked for termination of the case, led to the idea of gestation in the fallopian tube, with rupture following; this, however, was unsustained by other symptoms, and I cannot speak with certainty as to the cause of the ovaritis.

Daughter of a coachman, age 18, peritonitis, asthenia.

There was no history of childbirth or pregnancy, and at the autopsy the uterus appeared to be unimpregnated.

Wife of a labourer, age 28, pyæmia, 6 days, pneumonia, 14 days.

This case is the only one that can be referred to childbirth. The death was actually caused by pus being absorbed from a large bedsores on the back. Pneumonia also hastened the termination.

Wife of a cabman, age 49, metritis, congestion of lungs.

This was a case of spontaneous metritis, neither childbirth nor pregnancy preceding it.

Wife of coal porter, age 32, cystitis.

There was no certain knowledge of what occurred before her admission into the Fulham union workhouse, but it was believed that there had been a previous miscarriage several weeks before.

Domestic servant, age 25, inflammation of bowels.

Neither childbirth nor pregnancy was thought to have preceded the death in this case.

Wife of veterinary surgeon, age 40, internal haemorrhage.

No pregnancy preceded, and at the post-mortem the haemorrhage was seen to have proceeded from the mucous membrane of the stomach and upper third of the intestinal canal, supposed to be caused mainly by bad living on board ship. The haemorrhage lasted ten days.

### TABLES.

TABLE 1.—Deaths in England from Scarlet Fever, Cynanche Maligna, and Diphtheria, in each of the 16 Years 1855 to 1870.

YEARS.	TOTAL.	SCARLET FEVER.	CYNANCHE MALIGNA, and DIPHTHERIA.	CYNANCHE MALIGNA.	DIPHTHERIA.
1855	—	17,314	16,929	385	186
1856	—	14,160	13,557	603	229
1857	—	14,229	12,646	1,583	310
1858	—	30,317	23,711	6,606	4,836
1859	—	29,494	19,810	10,184	9,587
1860	—	14,517	9,305	5,212	4,836
1861	—	13,594	9,077	4,517	4,214
1862	—	19,737	14,834	4,903	4,562
1863	—	36,982	30,475	6,507	6,123
1864	—	35,164	29,700	5,464	5,098
1865	—	21,845	17,700	4,145	3,952
1866	—	14,685	11,685	3,000	2,774
1867	—	15,063	12,300	2,600	2,000
1868	—	24,925	21,912	3,013	2,847
1869	—	30,247	27,641	2,806	2,411
1870	—	35,242	32,543	2,699	2,566
Total	—	367,515	303,325	64,190	57,181

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TABLE 2.—Deaths in England from Diphtheria and Cynanche Maligna, at different AGES, in each of the 16 Years 1855-70.

YEARS.	ALL AGES.	Under 1 Year.	1-	2-	3-	4-	Under 5 Years.	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-	95 and upwards.
1855	—	385	56	52	47	45	33	233	84	17	20	8	7	8	7	1	—	—
1856	—	603	44	62	81	54	57	298	175	65	33	8	11	6	4	3	—	—
1857	—	1583	109	138	137	152	160	696	512	224	86	31	19	8	6	—	1	—
1858	—	6606	552	741	692	695	635	3315	1897	686	361	184	80	56	42	26	7	2
1859	—	10184	878	1122	1103	1116	1081	5300	2751	1091	536	213	122	69	50	37	11	4
1860	—	5212	448	558	500	621	551	2678	1413	542	321	79	69	43	36	17	14	—
1861	—	4517	361	528	501	507	471	2368	1217	419	258	93	60	41	35	16	10	—
1862	—	4903	412	645	594	560	513	2724	1242	432	264	91	54	39	29	18	9	1
1863	—	6507	585	903	744	813	664	3709	1651	515	291	121	78	61	48	27	6	—
1864	—	5464	527	694	681	661	535	3098	1292	425	300	130	82	60	46	26	4	1
1865	—	4145	387	518	459	476	446	2286	1053	328	227	95	43	41	38	20	11	3
1866	—	3000	282	420	404	355	296	1757	706	194	135	71	44	38	27	21	6	1
1867	—	2763	317	394	325	332	250	1618	690	154	122	65	29	35	23	20	5	2
1868	—	3013	299	431	383	381	325	1749	740	200	79	60	58	45	32	34	13	3
1869	—	2606	274	324	276	311	296	1481	650	189	106	55	42	34	26	18	10	—
1870	—	2699	301	332	287	300	238	1458	722	234	118	58	46	26	20	14	3	—
Total	—	64,190	5,832	7,862	7,194	7,829	6,551	34,768	16,795	5715	3257	1312	844	610	469	293	110	17

TABLE 3.—Deaths in England from Scarlet Fever (exclusive of Deaths by Diphtheria and Cynanche Maligna), at different AGES, in each of the 16 Years 1855-70.

YEARS.	ALL AGES.	Under 1 Year.	1-	2-	3-	4-	Under 5 Years.	5-	10-	15-	25-	35-	45-	55-	65-	75-	85-	95 and upwards.
1855	—	16929	1131	2306	2700	2537	1957	10631	4523	1078	438	128	71	36	15	8	1	—
1856	—	13557	985	1980	2161	2085	1669	8830	3419	800	332	88	55	20	10	3	—	—
1857	—	12646	855	1790	2032	1988	1462	8127	3232	766	321	104	40	23	7	3	—	—
1858	—	23711	1444	3468	3980	3638	2860	15390	6160	1325	557	159	69	33	10	6	2	—
1859	—	19310	1294	2824	3062	2992	2379	12551	4987	1050	469	174	80	26	12	7	4	—
1860	—	9805	636	1378	1499	1409	1146	6068	2329	477	287	77	37	19	7	4	—	—
1861	—	9077	572	1288	1490	1423	1119	5892	2317	447	264	91	31	21	10	4	—	—
1862	—	14834	903	2158	2454	2268	1786	9569	3393	818	364	117	42	16	9	2	3	1
1863	—	30475	1761	4050	4886	4683	3842	19222	8192	1820	805	267	113	34	15	5	2	—
1864	—	29700	1778	3915	4682	4571	3763	18709	8027	1711	796	280</td						

TABLE 4.—Deaths in each of the Counties of England from Scarlet Fever for each of the 17 Years 1854–1870.

No.	REGISTRATION COUNTIES.	DEATHS BY SCARLET FEVER. (See Note.)																	
		1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	
	ENGLAND.	18,528	17,314	14,160	14,229	30,317	19,907	9,681	9,077	14,834	30,475	29,700	17,700	11,685	12,300	21,912	27,641	32,543	
	I.—LONDON	3,477	2,611	1,819	1,599	4,184	3,481	2,017	2,381	3,492	4,955	3,244	2,179	1,892	1,451	2,916	5,841	6,040	
No.	II.—SOUTH EASTERN COUNTIES.																		
1	Surrey (extra-metropol.)	118	137	103	89	355	188	79	53	151	390	314	246	71	67	276	351	523	
2	Kent (extra-metropol.)	444	404	393	218	651	423	259	287	297	687	709	374	130	157	399	333	965	
3	Sussex	188	337	153	173	514	283	85	40	71	363	483	251	138	43	135	237	495	
4	Hampshire	303	727	378	311	444	350	83	24	368	744	238	337	188	81	250	594	708	
5	Berkshire	161	153	136	122	353	93	18	17	70	153	151	236	32	25	103	361	291	
	III.—SOUTH MIDLAND COUNTIES.																		
6	Middlesex (extra-metro.)	296	164	78	59	124	157	131	55	139	345	160	85	50	71	183	227	471	
7	Hertfordshire	34	145	89	22	84	90	40	26	110	411	377	92	83	35	54	59	222	
8	Buckinghamshire	73	244	21	23	95	93	43	99	166	39	114	79	13	9	55	208	289	
9	Oxfordshire	50	62	20	110	393	114	18	24	153	244	90	10	36	90	83	233		
10	Northamptonshire	256	198	63	35	158	171	39	10	53	377	803	143	25	28	59	101	373	
11	Huntingdonshire	28	59	29	98	33	26	17	5	10	146	61	43	29	8	7	10	3	
12	Bedfordshire	69	338	143	25	95	53	26	11	30	153	382	113	32	38	63	32	151	
13	Cambridgeshire	157	532	171	58	86	85	83	25	55	366	245	50	22	43	55	59	185	
	IV.—EASTERN COUNTIES.																		
14	Essex	262	433	346	162	355	178	101	83	388	775	281	165	105	67	162	322	679	
15	Suffolk	50	111	190	164	376	119	76	41	108	820	353	86	40	206	140	79	167	
16	Norfolk	60	113	284	534	738	281	81	113	202	235	568	320	128	155	360	242	520	
	V.—SOUTH WESTERN COUNTIES.																		
17	Wiltshire	191	177	74	75	239	222	60	40	116	292	260	251	54	56	58	85	234	
18	Dorsetshire	83	73	70	256	375	179	61	6	42	147	138	112	295	81	64	86	284	
19	Devonshire	376	564	620	527	891	391	75	353	778	1,054	321	77	36	60	155	646		
20	Cornwall	198	230	407	291	425	234	153	162	165	995	572	97	13	33	254	161	587	
21	Somersetshire	108	155	218	159	479	393	91	49	126	773	1,013	355	73	29	55	154	534	
	VI.—WEST MIDLAND COUNTIES.																		
22	Gloucestershire	124	86	136	257	731	553	142	102	111	1,162	453	142	95	68	113	399	1,456	
23	Herefordshire	66	83	46	73	106	34	19	7	12	39	206	48	8	1	21	148	210	
24	Shropshire	303	141	77	156	196	127	148	135	234	223	147	122	37	44	142	182	181	
25	Staffordshire	917	430	358	641	1,194	1,186	303	194	807	1,147	1,134	907	703	670	943	1,198	1,064	
26	Worcestershire	382	192	71	105	227	316	138	40	81	353	584	193	111	101	463	697	344	
27	Warwickshire	574	194	371	357	1,185	518	170	96	354	676	966	475	477	782	967	652	564	
	VII.—NORTH MIDLAND COUNTIES.																		
28	Leicestershire	75	39	62	215	452	204	34	15	33	524	164	66	59	70	54	95	388	
29	Rutlandshire	12	28	2	3	45	30	3	2	8	54	48	22	2	8	7	52		
30	Lincolnshire	1,312	598	123	124	651	200	128	139	193	495	662	415	82	60	107	241	508	
31	Nottinghamshire	516	143	71	76	752	414	76	50	68	123	467	389	76	35	257	721	534	
32	Derbyshire	506	136	56	276	622	376	60	31	50	179	381	150	75	63	543	658	385	
	VIII.—NORTH WESTERN COUNTIES.																		
33	Cheshire	336	260	269	650	568	390	229	192	400	952	398	300	553	475	775	544	460	
34	Lancashire	2,189	3,058	2,651	2,761	6,226	2,737	1,143	1,259	2,793	4,580	4,854	3,634	3,150	3,115	4,445	4,690	3,702	
	IX.—YORKSHIRE.																		
35	West Riding	1,511	1,009	1,059	1,405	2,931	2,962	1,192	475	963	2,218	3,135	2,273	870	630	1,676	2,870	3,718	
36	East Riding (with York)	220	104	97	231	250	89	133	275	204	638	470	131	56	72	307	505	493	
37	North Riding	253	235	100	64	166	74	46	90	241	316	179	33	28	86	219	468	360	
	X.—NORTHERN COUNTIES.																		
38	Durham	430	635	1,045	458	417	458	533											

TABLE 7.—Deaths by Erysipelas at different Ages in England in each of the 9 Years 1862-70.

SEX.	YEARS.	AGES.																			
		ALL AGES.	Under 1 Year.	1-	2-	3-	4-	Total under 5 Years.	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	85-	95 & upwds.	
Persons	1862	1523	458	49	36	13	7	563	29	36	43	30	70	113	143	166	182	128	20	-	
	1863	1920	612	62	31	22	18	745	25	31	39	49	112	137	177	216	213	146	30	-	
	1864	2104	618	55	30	15	15	733	15	22	38	61	110	171	194	274	271	180	34	1	
	1865	1963	579	58	29	8	8	682	31	27	42	42	96	154	190	237	242	183	36	1	
	1866	1875	527	64	26	10	10	637	35	22	33	44	73	129	146	187	159	189	21	-	
	1867	1450	467	35	18	13	11	544	23	31	25	31	82	115	127	169	167	115	21	-	
	1868	1952	647	60	22	13	11	753	28	20	27	45	108	139	192	200	243	169	28	-	
	1869	1873	589	53	26	15	7	690	31	22	34	33	95	133	177	243	241	144	28	2	
	1870	2140	685	42	18	17	10	772	34	34	38	31	98	160	211	271	285	170	36	-	
	1862	790	233	22	14	9	2	230	14	19	22	16	35	51	90	97	90	70	6	-	
Males	1863	1039	302	32	12	15	10	371	9	18	19	29	58	74	108	131	123	81	18	-	
	1864	1129	309	32	14	8	9	372	10	10	19	29	56	94	100	168	160	93	18	-	
	1865	1047	279	25	9	6	4	323	18	14	25	18	55	81	111	148	126	114	14	-	
	1866	845	235	32	13	3	5	288	20	9	25	22	35	66	86	115	61	108	10	-	
	1867	797	252	15	8	6	6	287	17	19	19	13	35	70	81	95	89	61	11	-	
	1868	1032	322	27	11	8	4	372	13	9	15	22	52	82	119	122	143	73	10	-	
	1869	1011	310	22	12	7	2	353	17	11	13	12	41	79	106	150	135	72	22	-	
	1870	1161	354	21	6	7	5	393	22	19	20	16	51	91	131	149	168	84	17	-	
	1862	733	225	27	22	4	5	283	15	17	21	14	35	62	53	69	92	58	14	-	
	1863	881	310	30	19	7	8	374	16	13	20	20	54	63	69	85	90	65	12	-	
Females	1864	975	309	23	16	7	6	361	5	12	19	32	54	77	94	106	111	87	16	1	
	1865	916	300	33	20	2	4	359	18	18	17	24	41	73	79	89	116	69	22	1	
	1866	830	292	32	13	7	5	349	15	13	8	22	38	63	60	72	98	81	11	-	
	1867	653	215	20	10	7	5	257	6	12	6	18	47	45	46	74	78	54	10	-	
	1868	920	325	33	11	5	7	381	15	11	12	23	56	57	73	78	100	96	18	-	
	1869	862	279	31	14	8	5	337	14	11	21	21	54	54	71	93	106	72	6	2	
	1870	979	331	21	12	10	5	379	12	15	18	15	47	69	80	122	117	86	19	-	

TABLE 8.—Deaths from Privation in the 5 Years 1866-70, distinguishing LOCALITIES, SEXES, and AGES.

		DEATHS IN EACH OF THE 11 REGISTRATION DIVISIONS.									
		TOTAL in the 5 Years 1866-70.		1866.		1867.		1868.		1869.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
England and Wales		245	171	40	34	63	46	61	35	30	22
DIVISIONS.											
I. London	-	94	66	12	15	27	19	29	15	6	9
II. South Eastern		21	8	3	3	2	-	5	2	5	1
III. South Midland		7	3	1	-	1	-	2	1	1	2
IV. Eastern	-	3	3	1	-	1	-	-	1	1	2
V. South Western		7	4	1	-	-	1	3	2	1	1
VI. West Midland	-	26	18	3	4	11	6	7	2	1	1
VII. North Midland		16	13	4	3	3	3	2	1	3	2
VIII. North Western		38	35	5	7	9	9	10	8	6	2
IX. York	-	18	8	5	2	4	2	3	2	2	4
X. Northern	-	8	9	2	-	2	5	-	3	-	1
XI. Welsh	-	7	4	3	-	3	1	1	-	-	2
All Ages	-	245	171	40	34	63	46	61	35	30	22
Under 1	-	5	4	2	1	1	1	1	2	1	-
1	-	2	5	1	2	1	1	1	-	1	-
2	-	3	1	1	-	2	-	1	-	-	-
3	-	2	3	-	-	1	-	1	2	-	1
4	-	-	1	-	-	-	-	1	-	-	-
Under 5	-	12	14	4	3	4	3	-	5	4	2
5	-	6	3	1	-	2	2	3	-	1	-
10	-	1	1	-	-</td						

## Causes of Death in 1870.

TABLE 9.—Causes of Death registered in England in each of the

Class.	CAUSES OF DEATH.	1838	1839	1840	1841	1842*	1847	1848	1849	1850	1851	1852	1853	1854	1855
	ALL CAUSES - -	342,760	338,984	359,687	343,847	349,519	423,304	399,833	440,839	368,995	395,396	407,135	421,097	437,905	425,703
	SPECIFIED CAUSES	318,662	319,357	341,825	327,202	333,545	400,755	381,995	427,036	355,659	382,863	394,357	407,752	425,645	413,359
(CLASSES.)															
I.	ZYMOTIC DISEASES	71,063	68,782	79,649	66,771	67,664	101,336	101,258	141,124	78,411	90,132	96,233	89,564	117,135	88,383
II.	CONSTITUTIONAL ,	87,186	87,785	90,228	89,458	89,125	86,379	83,231	82,298	77,110	80,804	83,035	88,216	83,993	84,645
III.	LOCAL ,	91,951	91,545	96,782	95,248	98,695	133,882	124,124	127,336	125,789	134,577	135,415	147,138	143,481	156,953
IV.	DEVELOPMENTAL,,	56,735	59,613	63,572	64,625	66,969	66,126	60,614	63,883	61,221	64,696	66,154	69,105	66,996	69,283
V.	VIOLENT DEATHS -	11,727	11,632	11,594	11,100	11,092	13,032	12,768	12,445	13,128	12,659	13,520	13,729	14,040	14,125
(ORDERS.)															
I.	1. MIASMATIC DISEASES	69,032	66,776	77,313	64,435	65,377	97,751	97,509	137,399	74,732	86,309	92,305	85,515	112,612	83,726
	2. ENTHETIC " -	242	187	318	298	355	746	793	791	774	867	889	874	1,236	1,190
	3. DIETIC " -	568	655	660	752	607	1,574	1,574	1,668	1,660	1,651	1,676	1,857	1,980	2,087
	4. PARASITIC " -	1,221	1,164	1,358	1,286	1,325	1,265	1,382	1,266	1,245	1,305	1,363	1,318	1,307	1,380
II.	1. DIATHETIC " -	18,646	18,620	19,949	19,630	19,199	18,415	17,206	17,092	16,715	16,729	16,872	17,601	16,848	17,125
	2. TUBERCULAR " -	68,540	69,165	70,279	69,828	69,926	67,964	66,025	65,206	60,395	64,075	66,163	70,615	67,145	67,520
III.	1. DISEAS. OF NERVOUS SYSTEM	41,850	41,260	42,535	41,356	42,301	48,058	45,572	47,401	46,907	49,351	50,246	51,509	51,485	52,365
	2. " ORGANS OF CIRCULATION	3,562	3,788	4,370	4,546	4,925	9,963	9,654	10,850	11,356	11,817	12,517	13,740	13,488	14,573
	3. " RESPIRATORY ORGANS	29,060	28,198	29,959	29,804	31,063	51,115	44,801	44,542	43,827	48,759	47,400	56,436	52,484	63,820
	4. " DIGESTIVE ORGANS	14,147	15,003	16,202	15,972	16,567	19,366	18,638	18,365	17,715	18,422	18,905	18,749	18,885	
	5. " URINARY ORGANS	1,592	1,504	1,586	1,536	1,704	2,951	2,830	2,950	3,124	3,172	3,438	3,652	3,770	4,042
	6. " ORGANS OF GENERATION	383	411	522	441	515	899	908	930	921	958	877	960	1,014	1,042
	7. " ORGANS OF LOCOMOTION	1,072	1,074	1,205	1,208	1,272	843	857	1,162	1,008	1,092	1,139	1,227	1,500	1,428
	8. " INTEGUMENTARY SYSTEM	285	307	403	385	348	687	869	1,136	931	996	893	865	855	798
IV.	DEVELOPMENTAL DIS.	10,877	11,805	12,468	12,687	13,333	12,551	10,878	11,768	11,096	11,998	12,292	12,541	12,541	12,081
	1. " OF CHILDREN	1,949	2,035	2,111	2,118	1,985	2,575	2,218	2,313	2,266	2,368	2,373	2,383	2,125	2,024
	2. " ADULTS -	21,338	22,243	23,808	24,210	25,124	24,783	26,188	26,750	25,567	25,980	26,376	29,130	26,466	29,714
	3. " OLD PEOPLE	22,571	23,530	25,185	25,610	26,577	26,217	21,330	23,002	22,292	21,350	25,113	25,051	25,864	25,434
V.	1. ACCIDENT OR NEGLIGENCE - -														
	2. BATTLE † - -														
	3. HOMICIDE - -	11,727	11,632	11,594	11,100	11,092	13,032	12,768	12,445	13,128	12,659	13,520	13,729	14,040	14,125
	4. SUICIDE - -														
	5. EXECUTION† - -														
	VIOLENT DEATHS NOT CLASSED - -														
	SUDDEN DEATHS, CAUSE UNASCERTAINED -	3,012	3,696	3,610	3,901	3,802	3,708	3,197	3,555	3,560	3,458	3,591	4,018	3,993	4,139
	CAUSES NOT SPECIFIED	21,086	15,981	14,252	12,744	12,172	18,841	14,641	10,248	9,776	9,070	9,187	9,327	8,267	8,205
I.	ORDER 1.						✓	✓	✓	✓	✓	✓	✓	✓	
	1 Small-pox - -	16,268	9,131	10,434	6,368	2,715	4,227	6,903	4,644	4,665	6,997	7,320	8,151	2,808	2,525
	2 Measles - -	6,514	10,937	9,326	6,894	8,742	8,690	6,867	5,458	7,082	9,370	5,846	4,895	9,277	7,354
	3 Scarlet Fever - -	5,802	10,325	19,816	14,161	12,807	14,697	20,501	13,123	13,371	18,634	18,887	15,699	18,528	16,929
	4 Diphtheria - -														385
	5 Quinsy - -	432	659	680	505	513	556	569	459	473	369	391	421	345	374
	6 Croup - -	4,463	4,192	4,336	4,177	4,457	3,338	3,777	4,038	4,322	4,180	4,058	3,660	3,998	4,419
	7 Whooping-cough -	9,107	8,165	6,132	8,099	8,691	9,260	6,862	7,770	7,905	8,022	11,200	9,770	10,185	
	Typhus Fever														
	Enteric or Typhoid														
	Fever - -	18,775	15,666	17,177	14,846	16,201	30,994	22,037	18,339	15,374	17,930	18,641	18,554	18,893	16,470

1850

\* The Causes of Death were not abstracted for the four years 1843-1846, both inclusive.

† Order 2, comprising Violent Deaths in Battle is inapplicable to the civil population.

‡ The number of persons executed in the several years will not necessarily correspond with that in the same years of the "Criminal Returns,"

## Causes of Death in 1870.

5 Years 1838-1842, and in

## Causes of Death in 1870.

TABLE 9. (continued.)—Causes of Death registered in England in

Class.	CAUSES OF DEATH.	1838	1839	1840	1841	1842*	1847	1848	1849	1850	1851	1852	1853	1854	1855
	9 Erysipelas	1,203	1,140	1,217	1,139	1,111	2,050	2,618	2,303	2,206	1,998	2,075	1,813	1,937	2,245
	10 Puerperal Fever (Metria) + - -	931?	966?	900?	996?	890?	784	1,365	1,165	1,113	1,009	972	792	954	1,079
	11 Carbuncle	35	38	33	28	40	77	91	81	134	161	233	250	300	255
	12 Influenza	806	887	1,030	1,659	883	4,881	7,963	1,618	1,380	2,152	1,359	1,789	1,061	3,568
	13 Dysentery	627	537	628	515	761	3,247	2,629	3,050	2,036	2,185	2,756	1,891	1,943	1,437
	14 Diarrhea	2,482	2,562	3,469	3,240	5,241	11,595	11,067	17,831	11,468	14,728	17,617	14,192	20,052	12,770
	15 Cholera	331	394	702	443	1,620	788	1,908	53,273	887	1,132	1,381	4,419	20,097	837
	16 Auge	44	95	133	135	129	228	228	171	154	167	151	183	192	149
	17 Remittent Fever	182	136	248	149	176	603	548	607	666	709	646	575		
	18 Rheumatism	1,030	946	962	1,081	1,000	1,636	1,510	1,621	1,749	1,785	1,930	1,895	1,811	2,470
	19 Other Zymotic Diseases	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
	ORDER 2.														
	1 Syphilis	139	142	195	177	178	565	575	595	554	598	623	622	964	947
	2 Stricture of Urethra	59	30	111	114	162	176	211	179	207	244	251	241	256	218
	3 Hydrophobia	24	15	12	7	15	5	7	17	13	25	15	11	16	14
	4 Glanders	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
	ORDER 3.														
	1 Privation	167	130	137	184	108	219	112	122	73	58	54	78	87	91
	2 Want of Breast-milk	Classed with Atrophy and Debility	- - -	- - -	- - -	- - -	213	393	460	458	553	593	632	742	850
	3 Purpura and Scurvy	58	101	99	120	94	370	273	269	248	234	266	282	324	
	4 Alcohol + a Del.Trem. ism - b Intemp.	182	206	233	264	267	516	518	509	487	508	551	536		
	161	218	191	184	138	256	278	308	323	308	373	318	286		
	ORDER 4.														
	1 Thrush	1,090	1,019	1,209	1,139	1,168	1,129	1,251	1,131	1,114	1,175	1,237	1,202	1,190	1,149
	2 Worms, &c.	131	145	149	147	157	136	140	140	131	130	126	116	117	231
II.	ORDER 1.														
	1 Gout	207	215	211	178	194	274	192	213	224	214	218	217	246	287
	2 Dropsey	14,648	14,400	15,606	15,377	14,851	12,050	10,773	10,753	9,980	9,873	9,788	10,302	9,396	9,862
	3 Cancer	2,448	2,691	2,786	2,746	2,941	4,586	4,825	4,808	4,967	5,218	5,477	5,663	5,826	6,016
	4 Cancerum Oris (No-ma)	Classed with Mortification previous to 1847.	- - -	- - -	- - -	- - -	107	118	120	123	95	98	100	136	178
	5 Mortification	1,343	1,314	1,346	1,329	1,213	1,398	1,298	1,198	1,421	1,329	1,291	1,319	1,244	1,282
	ORDER 2.														
	1 Scrofula	1,119	1,151	1,812	1,193	1,295	2,404	2,363	2,739	2,484	2,592	2,580	2,727	2,613	2,985
	2 Tabes Mesenterica	724	706	1,044	1,070	1,283	4,580	4,368	4,440	4,510	4,700	5,098	5,638	4,762	
	3 Phthisis	59,025	59,559	59,923	59,592	59,291	53,317	51,663	50,299	46,618	49,166	51,284	52,290		
	4 Hydrocephalus	7,672	7,749	8,000	7,973	7,663	7,631	7,728	7,281	7,807	8,005	7,610	7,483		
III.	ORDER 1.														
	1 Cephalitis	2,178	2,368	2,588	2,498	2,456	3,474	3,243	3,200	3,198	3,628	3,686	3,618	3,752	3,466
	2 Apoplexy	5,630	5,293	5,451	5,581	5,361	7,881	7,602	7,797	8,094	7,946	7,896	8,496	8,366	8,645
	3 Paralysis	4,975	4,910	5,490	5,495	5,559	7,071	6,671	7,328	7,317	7,587	7,911	8,378	8,537	8,905
	4 Insanity	367	424	363	312	302	543	380	542	529	542	535	472	541	494
	5 Chorea	24	54	25	28	19	39	38	34	60	77	67	48	69	
	6 Epilepsy	1,093	1,186	1,098	1,079	1,129	1,901	1,573	1,805	1,631	1,760	1,935	2,120	2,052	2,136
	7 Convulsions	26,047	25,408	25,770	24,563	25,488	23,972	22,796	23,703	23,000	24,592	24,798	24,579	24,917	
	8 Brain Disease, &c.	1,536	1,617	1,745	1,800	1,987	3,177	3,269	2,992	3,078	3,219	3,652	3,560	3,794	3,733
	ORDER 2.														
	1 Pericarditis	124	135	165	180	159	528	670	569	620	563	589	561	594	588
	2 Aneurism	119	102	147	120	105	259	307	288	286	266	315	308	312	
	3 Heart Disease, &c.	3,319	3,551	4,058	4,248	4,661	9,166	8,677	9,993	10,450	10,965	11,662	12,864	12,586	13,673
	ORDER 3.														
	1 Laryngitis	99	62	106	101	102	762	867	858	1,053	939	1,083	1,097	1,145	1,155
	2 Bronchitis	2,067	1,663	2,053	2,267	2,627	16,499	14,472	14,826	14,611	17,294	22,391	20,062	27,182	
	3 Pleurisy	589	588	702	675	729	1,176	1,029	956	877	984	945	955	1,153	
	4 Pneumonia	17,999	18,151	18,582	17,997	19,036	23,447	21,868	21,194	20,303	22,001	21,421	24,098	23,523	26,052
	5 Asthma</td														

## Causes of Death in 1870.

TABLE 9. (continued.)—Causes of Death registered in England in

Class.	CAUSES OF DEATH.	1838	1839	1840	1841	1842*	1847	1848	1849	1850	1851	1852	1853	1854	1855
<b>ORDER 5.</b>															
1 Nephritis - - -	157	131	142	128	139	162	163	172	178	183	197	237	205	244	
2 Ischuria - - -	70	116	89	52	50	87	86	91	100	106	109	118	120		
3 Bright's Disease (Nephritis) - - -	-	-	-	-	-	254	422	400	430	477	570	641	776	793	
4 Diabetes - - -	207	214	233	253	270	383	342	416	422	403	402	412	436	448	
5 Calculus (Stone) - - -	320	299	303	261	304	265	222	219	249	204	208	224	183	234	
6 Cystitis - - -	128	138	132	161	136	257	230	239	214	212	231	236	276	278	
7 Kidney Disease, &c. - - -	710	606	687	681	805	1,543	1,365	1,418	1,540	1,593	1,724	1,793	1,776	1,925	
<b>ORDER 6.</b>															
1 Ovarian Dropsy - - -	45	34	43	44	52	193	202	214	219	196	178	217	220	208	
2 Uterus, &c. Disease - - -	338	377	479	397	463	706	701	716	702	762	699	743	794	834	
<b>ORDER 7.</b>															
1 Synovitis (Arthritis) - - -	16	36	35	47	33	52	43	54	54	72	84	81	101	80	
2 Joint Disease, &c. - - -	1,056	1,038	1,170	1,161	1,239	791	814	1,108	954	1,020	1,055	1,146	1,399	1,348	
<b>ORDER 8.</b>															
1 Phlegmon - - -	16	82	127	118	98	222	426	645	422	481	365	309	239	255	
2 Ulcer - - -	162	135	191	192	156	302	290	300	340	317	296	351	358	278	
3 Skin Disease, &c. - - -	107	90	85	75	94	163	153	191	169	198	232	205	258	265	
<b>IV.</b>	<b>ORDER 1.</b>														
	1 Premature Birth † - -	6,307?	6,575?	7,038?	7,157?	7,427?	7,326?	5,961?	6,428?	6,229?	6,804?	7,018?	7,000?	7,228?	7,108?
	2 Cyanosis - - -	{ 166	214	211	206	217	687	167	161	167	230	279	295	294	300
	3 Spina Bifida - - -	{ 216	178	212	219	242	374	402	346	340	291	407	369	424	247
	4 Other Malformations - - -	{ 414	374	402	351	358	4,538	4,120	4,086	4,408	4,413	4,676	4,369	4,057	
<b>ORDER 2.</b>															
1 Paramenia - - -	69	86	112	107	138	183	188	189	127	87	98	115	70	124	
2 Childbirth (see Metria) ‡ - - -	1,880?	1,949?	1,999?	2,011?	1,797?	2,442	2,080	2,174	2,139	2,281	2,275	2,268	2,055	1,900	
<b>ORDER 3.</b>															
1 Old Age † - -	21,338?	22,243?	23,308?	24,210?	25,124?	24,783?	26,188	26,750	25,567	25,980	26,376	29,130	26,466	29,714	
<b>ORDER 4.</b>															
1 Atrophy and Debility †	22,571?	23,530?	25,185?	25,610?	26,577?	26,217?	21,330?	23,002?	[22,292?	24,350?	25,113?	25,051?	25,864?	25,434?	
<b>V.</b>	<b>ORDER 1.</b> (ACCIDENT OR NEGLIGENCE.)														
	1 Fractures and Contusions - - -	{ 5,159	5,482	5,417	5,589	5,397	5,852	6,500	6,843	6,661	6,596	6,508	6,303	6,447	
	2 Gunshot Wounds - - -	{ 136	104	103	120	111	108	126	112	131	124	118	105	130	
	3 Cut, Stab - - -	{ 80	75	81	41	54	82	115	93	97	108	125	95	2	
	4 Burns and Scalds - - -	{ 3,125	2,978	3,166	3,053	2,767	2,766	2,987	2,713	2,533	2,600	2,553	2,545	2,578	
<b>ORDER 2.</b>															
5 Poison - - -	282	279	240	258	262	277	274	273	278	281	279	283	255	234	
6 Drowning - - -	2,124	2,494	2,264	2,351	2,463	2,488	2,714	2,823	2,786	2,676	2,924	2,696	2,504	2,504	
7 Suffocation - - -	903	952	1,061	1,014	1,219	1,147	1,245	1,309	1,263	1,352	1,192	1,335	1,419	1,386	
8 Otherwise - - -	714	692	659	761	782	1,052	1,130	1,066	1,137	1,116	1,038	896	886	886	
<b>ORDER 3.</b> (HOMICIDE.)															
1 Murder and Manslaughter - - -	-	-	-	-	-	344	338	377	320	418	399	412	443	480	392
<b>Deaths from Violence were not classified according to Orders prior to 1858</b>															
<b>ORDER 4.</b> (SUICIDE.)															
1 Gunshot Wounds - - -	60	54	59	59	54	56	65	58	60	57	100	72	75	311	
2 Cut, Stab - - -	243	270	276	257	215	257	249	252	265	263	284	337	311		
3 Poison - - -	119	112	156	122	128	121	154	135	128	135	142	151	151		
4 Drowning - - -	197	208	219	225	204	245	205	230	207	228	291	292	297		
5 Hanging - - -	570	540	569	592	611	562	564	591	522	488	568	613	583		
6 Otherwise - - -	86	64	86	92	105	78	103	126	147	140	127	132	137		
<b>ORDER </b>															

TABLE 10.—Causes of Death registered in England in each of the 18 Years 1853-1870. To 1,000,000 PERSONS LIVING, the DEATHS from each CLASS of CAUSES, and from each CAUSE.

Class.	CAUSES OF DEATH.	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
ALL CAUSES	- -	22882	23520	22659	20504	21745	23032	22323	21239	21626	21467	23053	23855	23387	23606	21983	22200	22626	22947
SPECIFIED CAUSES	- -	22526	23157	22277	20152	21447	22872	22178	21093	21490	21329	22906	23693	23234	23433	21818	22063	22486	22804
(CLASSES.)																			
I. ZYMOtic DISEASES	4940	6367	4759	4310	4901	5757	5469	3863	4424	4551	5887	5770	5489	5522	4288	5465	5095	5411	
II. CONSTITUTIONAL	"	4874	4570	4568	4224	4297	4275	4194	4182	4273	4128	4150	4237	4261	4215	3974	3996	3985	
III. LOCAL	"	8132	7815	8452	7576	7925	8480	8188	8712	8420	8484	8584	9182	8903	9162	8840	8319	9212	9216
IV. DEVELOPMENTAL	"	3820	3646	3739	3303	3599	3626	3575	3582	3619	3423	3513	3678	3746	3661	3680	3515	3423	3447
V. VIOLENT DEATHS	-	760	759	759	739	725	734	751	754	743	772	826	835	807	795	790	760	745	
(ORDERS.)																			
I. 1. MIASMATIC DISEASES	-	4723	6128	4521	4106	4681	5513	5215	3633	4191	4319	5632	5489	5184	5241	4005	5174	4822	5139
2. ENTHETIC	"	48	67	64	56	60	62	65	63	67	72	77	87	94	90	90	98	97	94
3. DIETIC	"	103	107	112	90	99	110	119	112	105	107	121	137	142	137	130	133	122	117
4. PARASITIC	"	66	65	62	58	61	72	70	55	61	53	57	57	69	54	63	60	54	61
II. 1. DIATHETIC	"	-	973	916	924	832	849	871	842	836	816	819	845	839	832	826	793	807	785
2. TUBERCULAR	"	-	3901	3654	3644	3292	3448	3404	3352	3346	3457	3312	3831	3392	3422	3449	3389	3181	3189
III. 1. DISEASES OF NERVOUS SYSTEM	- -	2845	2802	2827	2662	2705	2800	2796	2831	2797	2769	2824	2896	2902	2912	2845	2802	2835	2867
2. " OF ORGANS OF CIRCULATION	-	760	734	786	726	775	852	879	956	909	930	959	1089	1072	1056	1074	1051	1147	1134
3. " OF RESPIRATORY ORGANS	-	3118	2856	3439	2812	3057	3399	3069	3484	3233	3358	3308	3663	3369	3678	3402	2939	3704	3690
4. " OF DIGESTIVE ORGANS	-	1041	1036	1011	993	1005	998	1018	1004	1022	966	1008	1017	1049	1004	990	1000	982	981
5. " OF URINARY ORGANS	-	201	205	214	219	217	242	243	254	263	265	274	297	302	315	327	320	337	337
6. " OF ORGANS OF GENERATION	-	53	55	56	55	56	59	61	57	57	61	60	63	60	59	62	58	59	58
7. " OF ORGANS OF LOCOMOTION	-	67	81	76	71	68	60	66	75	82	79	87	90	90	78	82	86	85	85
8. " OF INTEGUMENTARY SYSTEM	-	47	46	43	38	42	70	57	51	57	56	64	67	59	60	58	63	63	64
IV. 1. DEV. DIS. OF CHILDREN	-	1353	1305	1232	1203	1267	644	631	647	660	636	663	676	691	691	668	654	667	
2. " OF ADULTS	-	131	116	106	100	105	110	119	114	109	109	124	127	124	123	116	113	102	112
3. " OF OLD PEOPLE	-	1614	1441	1606	1271	1409	1479	1390	1449	1377	1331	1340	1434	1382	1361	1350	1213	1287	1297
4. DISEASES OF NUTRITION	-	722	784	795	729	818	1393	1435	1872	1473	1386	1441	1549	1481	1523	1521	1380	1371	
V. 1. ACCIDENT OR NEGLIGENCE	- -						649	670	662	663	649	677	734	733	709	700	685	657	646
2. BATTLE*	- -						*	*	*	*	*	*	*	*	*	*	*	*	
3. HOMICIDE	- -						18	17	19	16	21	20	20	21	23	18	21	18	17
4. SUICIDE	- -						66	64	70	68	65	66	64	67	64	62	70	73	70
5. EXECUTION	- -						*	*	*	*	*	*	*	*	*	*	*	*	
VIOLENT DEATHS NOT CLASSED	- -						..	..	2	6	7	8	7	14	10	14	13	12	12
SUDDEN DEATHS, CAUSE UNASCERTAINED	- -	222	217	223	185	178	160	145	146	136	138	147	162	153	173	165	137	140	143
CAUSES NOT SPECIFIED	-	134	146	159	167	120	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	

\* Order 2, comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† For the years 1858-70 the deaths of which the cause was not specified have been distributed pro rata over all the causes in the Table.

TABLE 10.—Causes of Death registered in England in each of the 18 Years 1853-70. To 1,000,000 PERSONS LIVING, the DEATHS from each CLASS of CAUSES, and from each CAUSE—continued.

Class.	CAUSES OF DEATH.	1853	1854	1855	1856	1857	X	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
<b>I. ORDER 1.</b>																				
1. Small-pox	- - -	174	153	136	121	206	335	197	140	66	81	203	373	309	144	118	96	72	118	
2. Measles	- - -	270	505	397	379	313	481	490	487	455	487	558	404	412	521	310	541	475	339	
3. Scarlet Fever	- - -	867	1008	935	752	746	1572	1021	492	265	227	244	320	265						

TABLE 10.—Causes of Death registered in England in each of the 18 Years 1853-70. To 1,000,000 Persons living, the Deaths from each Class of Causes, and from each Cause—continued.

Class.	CAUSES OF DEATH.	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
	9. Stricture of Intestines	13	14	13	13	15	14	15	15	14	13	14	13	15	13	13	13	12	12
	10. Fistula	6	6	5	4	5	6	5	6	6	5	4	5	4	5	4	4	5	
	11. Stomach Disease, &c.	110	110	127	125	128	143	138	146	140	136	138	133	139	140	139	141	126	127
	12. Pancreas Disease, &c.	5	7	3	6	1	1	1	6	9	1	1	5	1	8	8	5	4	6
	13. Hepatitis	84	82	78	76	76	70	76	68	70	63	69	69	71	67	62	63	61	60
	14. Jaundice	68	69	70	76	76	62	64	68	70	74	75	70	71	76	76	70	70	
	15. Liver Disease, &c.	229	217	206	192	203	222	228	231	236	233	239	249	280	269	261	255	260	254
	16. Spleen Disease, &c.	4	4	3	3	4	3	3	3	4	5	4	3	3	4	4	4	4	
	ORDER 5.																		
	1. Nephritis	13	11	13	14	14	15	12	15	14	16	19	21	23	25	25	30		
	2. Ischuria	6	6	6	4	5	6	5	5	5	6	7	6	5	6	5			
	3. Bright's Dis. (Nephritis)	35	42	43	51	52	57	65	71	73	77	84	87	90	97	104	115	117	
	4. Diabetes	23	24	24	23	25	27	25	27	29	27	32	32	32	31	34	33		
	5. Calculus (Stone)	12	10	13	12	10	10	9	8	10	8	9	9	9	10	9	9		
	6. Cystitis	13	15	15	14	14	13	14	15	17	17	19	16	19	18	22	20	19	
	7. Kidney Disease, &c.	99	97	100	101	97	115	109	115	118	115	125	130	133	138	132	128	124	
	ORDER 6.																		
	1. Ovarian Dropsy	12	12	11	11	12	12	14	12	12	14	13	10	10	12	11	10		
	2. Uterus Disease, &c.	41	43	45	44	44	47	45	45	47	47	49	50	49	50	48	48		
	ORDER 7.																		
	1. Synovitis (Arthritis)	4	5	4	4	3	4	4	3	4	3	4	4	3	4	4	5		
	2. Joint Disease, &c.	63	76	72	67	65	56	62	72	78	76	83	86	75	78	82	81	80	
	ORDER 8.																		
	1. Phlegmon	17	13	14	7	9	37	24	21	23	21	26	27	22	23	20	26	30	
	2. Ulcer	19	19	15	15	16	17	19	17	20	19	21	22	20	19	21	19	16	
	3. Skin Disease, &c.	11	14	14	16	17	16	14	13	14	16	17	18	17	17	18	18		
IV.	ORDER 1.																		
	1. Premature Birth†	1048†	1016†	964†	956†	1004†	379	382	390	383	383	399	405	423	426	423	409	399	413
	2. Cyanosis	16	16	16	18	18	20	21	20	21	23	22	23	24	23	25	25	27	
	3. Spina Bifida	15	13	13	16	17	16	18	18	20	19	20	18	20	19	21	19		
	4. Other Malformations	16	22	20	19	19	20	19	21	22	21	20	22	21	24	22	21	20	
	5. Teething	258	238	219	194	209	209	191	198	214	190	202	208	206	204	203	193	188	
	ORDER 2.																		
	1. Parmenia	6	4	3	3	3	2	3	3	2	3	4	4	5	5	6	6	5	
	2. Childbirth (see Metria)	125	112	103	97	102	107	116	112	106	106	120	123	120	118	111	107	107	
	ORDER 3.																		
	1. Old Age	1614	1441	1606	1271	1409	1479	1390	1449	1377	1331	1340	1434	1382	1361	1350	1213	1287	1297
	ORDER 4.																		
	1. Atrophy and Debility†	722†	784†	795†	729†	818†	1393	1435	1372	1473	1347	1386	1441	1549	1481	1523	1521	1380	1371
V.	ORDER 1.																		
	(ACCIDENT OR NEGLIGENCE).																		
	1. Fractures and Contusions	*	*	*	*	*	*	267	282	277	281	288	316	330	317	310	303	291	289
	2. Gunshot Wounds	*	*	*	*	*	*	7	5	6	5	6	5	6	5	5	5	6	
	3. Cut, Stab	*	*	*	*	*	*	4	4	4	2	3	4	6	5	5	6	4	
	4. Burns and Scalds	*	*	*	*	*	*	162	153	161	154	138	136	145	131	121	123	119	116
	5. Poison	*	*	*	*	*	*	15	14	12	13	13	14	13	13	13	12	11	
	6. Drowning	*	*	*	*	*	*	110	128	115	118	122	122	132	136	126	136	124	
	7. Suffocation	*	*	*	*	*	*	47	49	54	51	61	63	60	64	56	61	64	
	8. Otherwise	*	*	*	*	*	*	37	35	34	38	39	52	55	51	54	53	48	
	ORDER 3.																		
	(HOMICIDE.)																		
	1. Murder and Manslaughter																		
	ORDER 4.																		
	(SUICIDE.)																		
	1. Gunshot Wounds	*	*	*	*	*	*	3	3	3	3	3	3	3	3	5	3	3	
	2. Cut, Stab	*	*	*	*	*	*	13	14	14	13	12	12	13	13	16	14	14	
	3. Poison	*	*	*	*	*	*	6	6	8	6	6	7	6	6	7	7	7	
	4. Drowning	*	*																

TABLE 12.\*—Mean Annual Rate of Mortality in England from each CLASS of CAUSES and from each CAUSE of DEATH during the 20 Years 1850-69, and in each Decade and Quinquennial of that Period; also the Rate of Mortality in the Year 1870.

CLASSES.	CAUSES OF DEATH.	ANNUAL DEATHS to 1,000,000 LIVING.								CAUSES OF DEATH,
		20 Years 1850-69.	10 Years 1850-59.	10 Years 1860-69.	5 Years 1850-54.	5 Years 1855-59.	5 Years 1860-64.	5 Years 1865-69.	Year 1870.	
	ALL CAUSES —	22340·3	22176·0	22504·6	22299·3	22052·6	22248·7	22760·4	22,947	ALL CAUSES.
	SPECIFIED CAUSES—	22092·9	21831·0	22354·7	21877·3	21784·8	22102·5	22606·8	22,804	SPECIFIED CAUSES.
	(CLASSES.)									(CLASSES.)
I.	ZYMOTIC DISEASES	5086·2	5136·7	5035·6	5234·1	5039·5	4899·3	5171·8	5411	ZYMOTIC DISEASES.
II.	CONSTITUTIONAL "	4312·4	4455·0	4169·7	4598·6	4311·6	4194·0	4145·4	3985	CONSTITUTIONAL "
III.	LOCAL "	8333·1	7884·4	8781·9	7644·6	8124·4	8676·6	8887·2	9216	LOCAL "
IV.	DEVELOPMENTAL "	3597·5	3611·0	3584·0	3653·8	3568·4	3563·0	3605·0	3447	DEVELOPMENTAL "
V.	VIOLENT DEATHS —	763·7	743·9	783·5	746·2	741·6	769·6	797·4	745	VIOLENT DEATHS.
	(ORDERS.)									(ORDERS.)
I.	1. MIASMATIC DISEASES	4841·0	4913·1	4769·0	5019·2	4807·2	4652·8	4885·2	5139	1. MIASMATIC DISEASES.
	2. ENTHETIC "	70·2	56·6	83·7	51·5	61·7	73·5	93·8	94	2. ENTHETIC.
	3. DIETIC "	113·2	101·8	124·6	97·6	106·0	116·4	132·8	117	3. DIETIC.
	4. PARASITIC "	61·8	65·2	58·3	65·8	64·6	56·6	60·0	61	4. PARASITIC.
II.	1. DIATHETIC "	863·3	903·6	822·9	943·6	863·6	826·4	819·4	785	1. DIATHETIC.
	2. TUBERCULAR "	3449·1	3551·4	3346·8	3655·0	3448·0	3367·6	3326·0	3200	2. TUBERCULAR.
III.	DISEASES OF—									DISEASES OF—
	1. NERVOUS SYSTEM —	2804·4	2767·5	2841·3	2777·0	2758·0	2823·4	2859·2	2867	1. NERVOUS SYSTEM.
	2. ORGANS OF CIRCULATION.	888·0	751·8	1024·3	700·0	808·6	968·6	1080·0	1134	2. ORGANS OF CIRCULATION.
	3. RESPIRATORY ORGANS.	3188·0	2962·2	3413·8	2769·0	3155·2	3409·2	3418·4	3690	3. RESPIRATORY ORGANS.
	4. DIGESTIVE ORGANS	1013·1	1022·0	1004·3	1039·0	1005·0	1003·6	1005·0	981	4. DIGESTIVE ORGANS.
	5. URINARY ORGANS —	252·1	208·8	295·4	190·6	227·0	270·6	320·2	337	5. URINARY ORGANS.
	6. ORGANS OF GENERATION.	57·2	54·7	59·6	52·4	57·4	59·6	59·6	58	6. ORGANS OF GENERATION.
	7. ORGANS OF LOCOMOTION.	75·3	67·2	83·4	66·2	68·2	82·6	84·2	85	7. ORGANS OF LOCOMOTION.
	8. INTEGUMENTARY SYSTEM.	55·0	50·2	59·8	50·4	50·0	59·0	60·6	64	8. INTEGUMENTARY SYSTEM.
IV.	1. DEV. DISEASES OF CHILDREN.	916·7	1165·2	668·2	1335·0	995·4	656·4	680·0	667	1. DEV. DISEASES OF CHILDREN.
	2. " ADULTS —	117·0	118·0	116·1	128·0	108·0	116·6	115·6	112	2. " ADULTS.
	3. " OLD PEOPLE	1407·4	1462·3	1352·4	1493·8	1431·0	1386·2	1318·6	1297	3. " OLD PEOPLE.
	4. DIS. OF NUTRITION —	1156·4	865·5	1447·3	697·0	1034·0	1403·8	1490·8	1371	4. DIS. OF NUTRITION.
V.	1. ACCIDENT OR NEGLIGENCE.			687·0		677·0	696·9	646	1. ACCIDENT OR NEGLIGENCE.	
	2. BATTLE —			†		†	†	2. BATTLE.		
	3. HOMICIDE —	763·7	743·9	19·7	746·2	741·6	19·2	20·2	17	3. HOMICIDE.
	4. SUICIDE —			66·9		66·6	67·2	70	4. SUICIDE.	
	5. EXECUTION —			·6		·8	·5	·3	5. EXECUTION.	
	OTHER VIOLENT DEATHS NOT CLASSED.			9·3		6·0	12·6	12	OTHER VIOLENT DEATHS NOT CLASSED.	
	SUDDEN DEATHS, CAUSE UNSACERTAINED.	171·3	192·7	149·9	207·2	178·2	146·2	153·6	143	SUDDEN DEATHS, CAUSE UNSACERTAINED.
	CAUSES NOT SPECIFIED	—	181·9	—	214·8	149·0	—	—	—	CAUSES NOT SPECIFIED.

\* The rates given in this Table for the various groups of years are the means of the calculated rates in the several years. Under some of the separate headings the means cannot be given for the entire period, as the classification in full detail has not been made during the whole 21 years. In a certain number of cases in each year the cause of death is not stated; in calculating the proportional numbers since 1855 these have been distributed pro rata over all the causes in the Table.

† Order 2, comprising Violent Deaths in Battle, is omitted, as inapplicable to the civil population.

TABLE 12.\* (continued.)—Mean Annual Rate of Mortality in England from each CLASS of CAUSES and from each CAUSE of DEATH during the 20 Years 1850-69, and in each Decade and Quinquennial of that Period; also the Rate of Mortality in the Year 1870.

CLASSES.	CAUSES OF DEATH.	ANNUAL DEATHS to 1,000,000 LIVING.								CAUSES OF DEATH.
		20 Years 1850-69.	10 Years 1850-59.	10 Years 1860-69.	5 Years 1850-54.	5 Years 1855-59.	5 Years 1860-64.	5 Years 1865-69.	Year 1870.	
I.	ORDER 1.									ORDER 1.
	1 Small-pox —	204·1	239·0	169·2	279·0	199·0	190·6	147·8	118	1 Small-pox.
	2 Measles —	437·0	409·0	465·0	406·0	412·0	478·2	451·8	339	2 Measles.
	3 Scarlet Fever —	1046·4	997·1	891·1	890·8	1103·6	925·6	856·6	1461	3 Scarlet Fever.
	4 Diphtheria —	204·7	204·7	204·7	264·2	264·2	145·2	121	4 Diphtheria.	
	5 Quinsy —	18·6	23·3	13·8	22·4	24·2	16·6	11·0	6	5 Quinsy.
	6 Croup —	254·0	253·1	255·0	225·2	281·0	279·4	230·6	193	6 Croup.
	7 Whooping-cough —	520·7	511·8	529·6	496·6	527·0	527·0	532·2	534	7 Whooping-cough.
	8 Typhus Fever —	918·4	946·3	890·5	995·0	897·6	846·6	934·4	392	8 Typhus Fever.
	Enteric or Typhoid Fever.	Simple Fever.	Continued Fever.	Simple Fever.	Continued Fever.	Simple Fever.	Continued Fever.	Simple Fever.	264	Enteric or Typhoid Fever.
	9 Erysipelas —	96·8	108·1	85·6	111·6	104·6	87·0	84·2	96	9 Erysipelas.
	10 PuerperalFev. (Metria)	54·9	54·6	55·2	54·0	55·2	54·2	56·2	67	10 PuerperalFev. (Metria).
	11 Carbuncle —	12·0	12·5	11·5	12·0	13·0	11·6	11·4	9	11 Carbuncle.
	12 Influenza —	63·2	90·4	36·0	86·6	94·2	45·0	27·0	28	12 Influenza.
	13 Dysentery —	75·7	98·9	52·4	120·6	77·2	56·6	48·2	37	13 Dysentery.
	14 Diarrhoea —	862·3	853·0	871·7	867·4	883·6	704·6	1088·8	1136	14 Diarrhoea.
	15 Cholera —	140·7	175·4	106·1	305·8	45·0	33·8	178·4	48	15 Cholera.
	16 Ague —	7·9	9·4	6·3	9·2	9·6	7·2	5·4	5	16 Ague.
	17 Remittent Fever —	18·3	28·1	8·4	35·2	21·0	12·6	4·2	7	17 Remittent Fever.
	18 Rheumatism —	107·2	103·1	111·3	101·8	104·4	106·0	116·6	125	18 Rheumatism.
	19 Other Zymotic Diseases	2·8	—	5·6	—	—	6·0	5·2</td		

TABLE 12\*. (continued.)—**Mean Annual Rate of Mortality** in **England** from each CLASS of CAUSES and from each CAUSE of DEATH during the **20 Years 1850–69**, and in each **Decade** and **Quinquennial** of that Period; also the **Rate of Mortality** in the Year **1870**.

CLASSES.	CAUSES OF DEATH.	ANNUAL DEATHS to 1,000,000 LIVING.								CAUSES OF DEATH.
		20 Years 1850-69.	10 Years 1850-59.	10 Years 1860-69.	5 Years 1850-54.	5 Years 1855-59.	5 Years 1860-64.	5 Years 1865-69.	Year 1870.	
<b>III.</b>										
	<b>ORDER 1.</b>									<b>ORDER 1.</b>
1 Cephalitis	— — —	191·5	189·8	193·3	199·0	180·6	182·8	203·8	222	1 Cephalitis.
2 Apoplexy	— — —	466·3	450·8	481·	454·2	447·4	468·6	495·0	521	2 Apoplexy.
3 Paralysis	— — —	476·3	452·8	499·8	440·2	465·4	493·8	505·8	523	3 Paralysis.
4 Insanity	— — —	27·9	26·5	29·2	29·2	23·8	28·0	30·4	39	4 Insanity.
5 Chorea	— — —	3·3	3·3	3·3	3·6	3·0	3·2	3·4	4	5 Chorea.
6 Epilepsy	— — —	114·7	110·6	118·7	105·8	115·4	122·8	114·6	117	6 Epilepsy.
7 Convulsions	— — —	1296·8	1331·9	1261·7	1352·6	1311·2	1276·0	1247·4	1192	7 Convulsions.
8 Brain Disease, &c.	— — —	227·6	201·8	253·5	192·4	211·2	248·2	258·8	249	8 Brain Disease, &c.
	<b>ORDER 2.</b>									<b>ORDER 2.</b>
1 Pericarditis	— — —	29·8	31·5	28·1	32·6	30·4	28·8	27·4	30	1 Pericarditis.
2 Aneurism	— — —	19·6	17·0	22·3	16·2	17·8	20·2	24·4	28	2 Aneurism.
3 Heart Disease, &c.	— — —	838·6	703·3	973·9	651·2	755·4	919·6	1028·2	1076	3 Heart Disease, &c.
	<b>ORDER 3.</b>									<b>ORDER 3.</b>
1 Laryngitis	— — —	66·1	64·0	68·1	59·0	69·0	70·0	66·2	78	1 Laryngitis.
2 Bronchitis	— — —	1468·1	1187·5	1748·7	1016·4	1358·6	1658·2	1839·2	2097	2 Bronchitis.
3 Pleurisy	— — —	46·6	50·3	42·8	51·4	49·2	43·2	42·4	46	3 Pleurisy.
4 Pneumonia	— — —	1201·4	1266·7	1136·2	1239·0	1294·2	1199·2	1073·2	1065	4 Pneumonia.
5 Asthma	— — —	217·2	248·1	186·4	258·2	238·0	201·2	171·6	175	5 Asthma.
6 Lung Disease, &c.	— — —	188·6	145·6	231·6	145·0	146·2	237·4	225·8	229	6 Lung Disease, &c.
	<b>ORDER 4.</b>									<b>ORDER 4.</b>
1 Gastritis	— — —	38·8	39·9	37·8	37·2	42·6	39·8	35·8	36	1 Gastritis.
2 Enteritis	— — —	170·6	191·8	149·5	209·0	174·6	157·2	141·8	137	2 Enteritis.
3 Peritonitis	— — —	75·8	73·7	77·9	72·4	75·0	79·2	76·6	82	3 Peritonitis.
4 Ascites	— — —	37·3	39·5	35·0	39·6	39·4	36·6	33·4	30	4 Ascites.
5 Ulceration of Intestines	— — —	45·6	48·3	42·9	50·8	45·8	43·0	42·8	47	5 Ulceration of Intestines.
6 Hernia	— — —	42·3	42·5	42·2	41·2	43·8	41·4	43·0	44	6 Hernia.
7 Ileus	— — —	59·4	62·0	56·9	63·8	60·2	57·4	56·4	57	7 Ileus.
8 Intussusception	— — —	13·5	13·5	13·4	13·6	13·4	13·2	13·6	16	8 Intussusception.
9 Stricture of Intestines	— — —	13·9	14·1	13·7	14·2	14·0	13·4	12	9 Stricture of Intestines.	
10 Fistula	— — —	5·1	5·4	4·8	5·8	5·2	4·4	5	10 Fistula.	
11 Stomach Disease, &c.	— — —	131·6	125·4	137·8	118·6	132·2	138·6	137·0	127	11 Stomach Disease, &c.
12 Pancreas Disease, &c.	— — —	8	7	8	6	8	7	6	6	12 Pancreas Disease, &c.
13 Hepatitis	— — —	72·8	79·4	66·3	83·6	75·2	67·8	64·8	60	13 Hepatitis.
14 Jaundice	— — —	69·9	69·6	70·2	69·6	69·6	68·0	72·4	70	14 Jaundice.
15 Liver Disease, &c.	— — —	232·0	212·7	251·3	215·2	210·2	237·6	265·1	254	15 Liver Disease, &c.
16 Spleen Disease, &c.	— — —	3·7	8·5	3·8	3·8	3·2	3·8	3·8	4	16 Spleen Disease, &c.
	<b>ORDER 5.</b>									<b>ORDER 5.</b>
1 Nephritis	— — —	15·4	12·5	18·2	11·0	14·0	15·2	21·2	30	1 Nephritis.
2 Ischuria	— — —	5·6	5·5	5·7	5·8	5·2	5·6	5·8	5	2 Ischuria.
3 Bright's Disease (Nephria).	— — —	66·1	42·8	89·5	32·0	53·6	78·4	100·6	117	3 Bright's Disease (Nephria).
4 Diabetes	— — —	27·1	23·9	30·3	23·0	24·8	28·4	32·2	33	4 Diabetes.
5 Calculus (Stone)	— — —	10·8	11·5	9·0	12·0	11·0	8·8	9·2	9	5 Calculus (Stone).
6 Cystitis	— — —	15·7	13·5	18·0	13·0	14·0	17·0	19·0	19	6 Cystitis.
7 Kidney Disease, &c.	— — —	111·9	99·1	124·7	98·8	104·4	117·2	132·2	124	7 Kidney Disease, &c.
	<b>ORDER 6.</b>									<b>ORDER 6.</b>
1 Ovarian Dropsy	— — —	11·7	11·6	11·7	11·4	12·0	12·8	10·6	10	1 Ovarian Dropsy.
2 Uterus, &c. Disease	— — —	45·5	43·1	47·9	41·0	45·4	46·8	49·0	48	2 Uterus, &c. Disease.
	<b>ORDER 7.</b>									<b>ORDER 7.</b>
1 Synovitis (Arthritis)	— — —	3·9	4·0	3·7	4·2	3·8	3·6	3·8	5	1 Synovitis (Arthritis).
2 Joint Disease, &c.	— — —	71·4	63·2	79·7	62·0	64·4	79·0	80·4	80	2 Joint Disease, &c.

\* See note to page 430.

TABLE 12\* (continued).—**Mean Annual Rate of Mortality** in **England** from each CLASS of CAUSES and from each CAUSE of DEATH during the **20 Years 1850–69**, and in each **Decade** and **Quinquennial** of that Period; also the **Rate of Mortality** in the Year **1870**.

CLASSES.	CAUSES OF DEATH.	ANNUAL DEATHS to 1,000,000 LIVING.								CAUSES OF DEATH.
		20 Years 1850-69.	10 Years 1850-59.	10 Years 1860-69.	5 Years 1850-54.	5 Years 1855-59.	5 Years 1860-64.	5 Years 1865-69.	Year 1870.	
<b>III.</b>										
	<b>ORDER 8.</b>									<b>ORDER 8.</b>
1 Phlegmon	— — —	21·3	19·2	23·5	20·2	18·2	23·6	23·4	30	1 Phlegmon.
2 Ulcer	— — —	18·6	17·4	19·8	18·4	16·4	19·8	19·8	16	2 Ulcer.
3 Skin Disease, &c.	— —	15·1	13·6	16·5	11·8	15·6	17·4	17·4	18	3 Skin Disease, &c.
<b>IV.</b>										
	<b>ORDER 1.</b>									<b>ORDER 1.</b>
1 Premature Birth	— — —	647·1	890·3	404·0						

TABLE 13.—Causes of Death in England in the Year 1870, arranged in the order of their fatality.

CAUSES OF DEATH.	Number of Deaths registered in the Year 1870.	Proportional Number from each Cause to 1,000,000 Deaths from All Causes.	CAUSES OF DEATH.	Number of Deaths registered in the Year 1870.	Proportional Number from each Cause to 1,000,000 Deaths from All Causes.
Phthisis	54,231	106,106	Hernia	979	1,915
Bronchitis	46,699	91,369	Insanity	878	1,718
Scarlet Fever	32,543	63,672	Dysentery	815	1,595
Atrophy and Debility	30,528	59,730	Gastritis	803	1,571
Old Age	28,891	56,527	Diabetes	735	1,438
Convulsions	26,548	51,943	Pericarditis	675	1,321
Diarrhea	25,311	49,523	Ascites	664	1,299
Heart Disease	23,957	46,873	Nephritis	658	1,287
Pneumonia	23,729	46,427	Phlegmon	657	1,286
Whooping-cough	11,901	23,285	Aneurism	627	1,227
Paralysis	11,651	22,796	Influenza	615	1,203
Apoplexy	11,598	22,692	Cyanosis	596	1,186
Cancer	9,598	18,779	Hanging (Suicide)	583	1,141
Premature Birth	9,195	17,991	Gout	475	929
Enteric Fever	8,731	17,083	Purpura and Scurvy	473	926
Measles	7,543	14,758	Other Malformations	449	878
Hydrocephalus	7,423	14,523	Spina Bifida	435	851
Tabes Mesenterica	6,913	13,526	Cystitis	415	812
Fractures and Contusions { (Accident)}	6,447	12,614	Skin Disease	399	780
Simple Continued Fever	5,882	11,508	Murder and Manslaughter	381	745
Dropsy	5,817	11,382	Ulcer	360	704
Liver Disease	5,658	11,070	Intussusception	356	697
Brain Disease	5,556	10,871	Aleohol (Delirium Tremens)	337	659
Lung Disease	5,090	9,959	Cut, Stab (Suicide)	311	609
Cephalitis	4,944	9,673	Alcohol (Intemperance)	308	603
Croup	4,302	8,417	Drowning (Suicide)	297	581
Teething	4,183	8,184	Stricture of Intestines	268	524
Asthma	3,894	7,619	Other Violent Deaths (not classed)	258	505
Typhus Fever	3,297	6,451	Poison (Accident)	234	458
Sudden Deaths	3,180	6,222	Ovarian Dropsy	224	438
Enteritis	3,037	5,943	Carbuncle	207	405
Stomach Disease	2,833	5,543	Calculus (Stone)	195	382
Rheumatism	2,791	5,461	Stricture of Urethra	190	372
Kidney Disease	2,758	5,396	Poison (Suicide)	151	295
Serofulpa	2,718	5,318	Worms	151	295
Diphtheria	2,699	5,281	Remittent Fever	145	284
Small-pox	2,620	5,126	Otherwise (Suicide)	137	268
Bright's Disease (Nephria)	2,616	5,118	Quinsy	134	262
Epilepsy	2,605	5,097	Gunshot Wounds (Accident)	130	254
Burns and Scalds (Accident)	2,578	5,044	Paramenia	127	248
Drowning (Accident)	2,504	4,900	Ischuria	126	247
Childbirth	2,883	4,663	Ague	120	235
Erysipelas	2,140	4,187	Other Zymotic Diseases	115	225
Syphilis	1,858	3,635	Fistula	114	223
Peritonitis	1,825	3,571	Cancerum Oris (Noma)	106	207
Joint Diseases	1,787	3,497	Synovitis (Arthritis)	106	207
Laryngitis	1,740	3,405	Spleen Disease	97	190
Jaundice	1,558	3,048	Cut, Stab (Accident)	95	186
Puerperal Fever (Metria)	1,492	2,919	Pravation	85	166
Mortification	1,485	2,906	Chorea	76	148
Suffocation (Accident)	1,419	2,776	Gunshot Wounds (Suicide)	75	147
Want of Breast Milk	1,402	2,743	Hydrophobia	82	62
Hepatitis	1,343	2,628	Pancreas Disease	15	29
Ileus	1,267	2,479	Hanging (Execution)	7	13
Thrush	1,203	2,354	Glanders	4	8
Uterus Disease	1,074	2,102			
Simple Cholera	1,065	2,084			
Ulceration of Intestines	1,036	2,027			
Pleurisy	1,034	2,023			
Otherwise (Accident)	986	1,929			

Note.—The causes of 4,228 deaths in 1870 were not specified. In calculating the proportional numbers in the above Table these deaths have been distributed pro rata over all the specified causes.

TABLE 14.—Deaths in England in 1870 of Women after Childbearing classed under various Diseases, and neither referred to Childbirth nor to Metria in the Abstracts.

CAUSES OF DEATH.	ALL AGES.	AGES.				
		15-	20-	25-	35-	45 and upwards.
Col. 1	2	3	4	5	6	7
TOTAL	719	17	120	353	218	11
CLASS I.						
Small-pox	27	2	7	13	5	-
Measles	2	-	1	1	-	-
Scarlet Fever	91	3	26	52	9	1
Diphtheria	4	-	2	-	2	-
Quinsy	3	-	-	2	1	-
Typhus Fever	8	-	4	-	3	1
Enteric or Typhoid Fever	28	1	4	17	6	-
Simple Continued Fever	13	-	1	9	3	-
Erysipelas	3	-	-	2	1	-
Dysentery	3	-	1	2	-	-
Diarrhoea	30	1	6	16	7	-
Cholera	1	-	-	-	1	-
Ague	1	-	-	1	-	-
Rheumatism	16	-	2	6	8	-
Purpura and Scurvy	1	-	-	-	1	-
CLASS II.						
Dropsy	3	-	-	1	2	-
Cancer	6	-	1	2	3	-
Phthisis	138	2	27	60	44	5
CLASS III.						
Cephalitis	6	-	-	4	2	-
Apoplexy	8	-	1	7	-	-
Paralysis	5	-	-	3	2	-
Chorea	1	-	-	-	1	-
Epilepsy	9	-	2	5	2	-
Brain Disease	3	-	1	2	-	-
Pericarditis	2	-	-	1	1	-
Heart Disease	101	2	7	47	43	2
Laryngitis	3	-	-	2	1	-
Bronchitis	44	-	2	24	18	-
Pleurisy	8	-	1	5	2	-
Pneumonia	82	4	13	38	26	1
Asthma	5	-	-	2	2	1
Lung Disease	9	1	-	3	5	-
Gastritis	4	1	1	2	-	-
Enteritis	3	-	1	1	1	-
Ulceration of Intestines	2	-	1	1	-	-
Ileus	1	-	-	-	1	-
Stomach Disease	2	-	1	-	1	-
Hepatitis	3	-	1	1	1	-
Jaundice	2	-	-	-	2	-
Liver Disease	7	-	-	4	3	-
Nephritis	1	-	-	1	-	-
Bright's Disease (Nephria)	22	-	3	14	5	-
Kidney Disease	4	-	2	-	2	-
Joint Disease	2	-	1	1	-	-
Phlegmon	2	-	-	1	1	-

TABLE 15.—Deaths in England in 1870 of Women who were returned as pregnant, classed under the Diseases in Column 1.

CAUSES OF DEATH.	ALL AGES.	AGES.					
		15-	20-	25-	35-	45 and upwds.	
Col. 1.	2	3	4	5	6	7	
TOTAL	41	-	1	22	17	1	
CLASS I.							
Erysipelas	1	-	-	1	1	-	
Diarrhoea	1	-	-	1	1	-	
Syphilis	1	-	-	-	1	-	
CLASS II.							
Dropsy	1	-	-	1	1	-	
Cancer	1	-	-	-	-	-	
Phthisis	4	-	-	1	3	-	
CLASS III.							
Cephalitis	2	-	1	1	4	-	
Apoplexy	6	-	-	2	-	-	
Insanity	1	-	-	1	-	-	
Epilepsy	1	-	-	1	-	-	
Heart Disease	7	-	-	6	1	-	
Bronchitis	2	-	-	-	2	-	
Pleurisy	1	-	-	-	-	1	
Pneumonia	2	-	-	2	-	-	
Stomach Disease	1	-	-	1	-	-	
Jaundice	1	-	-	-	1	-	
Bright's Disease (Nephritis)	5	-	-	3	2	-	
Kidney Disease	3	-	-	2	1	-	

TABLE 16.—Deaths in England of Women in Childbirth in each of the 24 Years 1847-70.

YEARS.	REGISTERED BIRTHS OF CHILDREN BORN ALIVE.	NUMBER OF DEATHS FROM			DEATHS OF MOTHERS TO 10,000 CHILDREN BORN ALIVE.
		METRIA AND CHILDBIRTH.	METRIA.	ACCIDENTS OF CHILDBIRTH.	
1847	539,965	3226	784	2442	60
1848	563,059	3445	1365	2080	61
1849	578,159	3339	1165	2174	58
1850	593,422	3252	1113	2139	55
1851	615,865	3290	1009	2281	53
1852	624,012	3247	972	2275	52
1853	612,391	3063	795	2268	50
1854	634,405	3009	954	2055	47
1855	635,043	2979	1079	1900	47
1856	657,453	2888	1067	1821	44
1857	663,071	2787	836	1951	42
1858	655,481	3181	1068	2063	48
1859	689,881	3496	1238	2258	51
1860	684,048	3173	987	2186	46
1861	696,406	2995	886	2109	43
1862	712,684	3077	940	2137	43
1863	727,417	3588	1155	2433	49
1864	740,275	4016	1484	2532	54
1865	748,069	3823	1333	2490	51
1866	753,870	3682	1197	2485	49
1867	768,349	3412	1066	2346	44
1868	786,858	3503	1196	2307	45
1869	773,381	3283	1181	2102	42
1870	792,787	3875	1492	2383	49
24 years 1847-70	16,246,351	79,579	26,362	53,217	49

TABLE 17.—Proportion of Suicides to every 1,000,000 of the Population of England, in the 13 Years 1858-70.

MEANS EMPLOYED.	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870
Gunshot Wounds	3	3	3	3	3	3	3	3	3	3	5	3	3
Cutting, Stabbing	13	14	14	13	11	13	12	12	13	13	13	16	14
Poisoning	6	6	8	6	6	6	7	7	6	6	6	7	7
Drowning	10	11	11	11	10	12	10	11	10	11	14	13	14
Hanging	30	27	30	30	30	28	27	28	25	22	26	28	26
Otherwise	4	3	4	5	5	4	5	6	7	7	6	6	6
All Ways	66	64	70	68	65	66	64	67	64	62	70	73	70

TABLE 18.—Deaths in England from Burns and Scalds in the 23 Years 1848-70.

AGES.	In the 20 Years 1848-67.		In 1868.		In 1869.		In 1870.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
ALL AGES	28,047	28,246	1,449	1,104	1,386	1,159	1,367	1,211
Under 5 Years	15,675*	12,872*	731	570	716	576	723	596
5-	3,817	6,551	150	200	114	221	121	235
10-	1,079	1,713	51	46	71	51	51	48
15-	2,132	1,301	147	51	147	62	114	54
25-	1,768	716	138	23	127	32	108	82
35-	1,280	630	95	25	88	24	96	83
45-	829	702	53	30	57	25	59	35
55-	574	763	42	45	36	33	44	28
65-	410	1,161	24	45	12	58	29	55
75-	385	1,356	14	52	13	58	17	63
85-	94	449	4	17	5	17	4	30
95 and upwards	4	32	-	-	-	2	1	2

\* Of the 15,675 males dying of burns under 5 years of age, 1,014 were less than 1 year of age, 3,903 were 1 year and under 2, 4,089 were 2 years and under 3, 3,711 were 3 years and under 4, 2,958 were 4 years and under 5. Of the 12,872 females dying under 5 years of age, 1,020 were less than 1 year of age, 3,088 were 1 year and under 2, 3,056 were 2 years and under 3, 3,096 were 3 years and under 4, 2,612 were 4 years and under 5.

TABLE 19.—Deaths by Lightning in England in each of the 5 Years 1866-70.

DIVISION.	DISTRICT.	DATE OF DEATH.	SEX.	OCCUPATION.	ALL AGES.	AGES.									
						0-	5-	10-	15-	20-	25-	35-	45-	55-	65 and upwards
		1866.													
1	Kensington	30 June	Male	Son of Pigeon Dealer	1				1						
2	Horsham	6 July	Male	Farmer	1								1		
3	Bishop Stortford	10 Aug.	Male	Shepherd	1							1			
4	Thingoe	4 June	Female		1										1
4	Woodbridge	4 June	Male	Son of Labourer	1			1							
4	Norwich	22 June	Male	Gardener	1					1					
4	Witham	11 Aug.	Male	Agricultural Labourer	1					1					
5	Yeovil	27 June	Male	Labourer	1					1					
5	Wineanton	30 June	Male	Labourer	1										1
6	Clifton	3 Feb.	Male	Sailor (at Sea)	1				1						
6	Solihull	1 June	Male	Son of Labourer	1		1								
7	Boston	4 June	Male	Agricultural Labourer	1					1					
7	Spalding	30 June	Female	Wife of Agricultural Labourer.	1					1					
7	Spalding	30 June	Female	Daughter of Agricultural Labourer.	1	1									
7	Hornecastle	29 June	Male	Cottager	1					1					
8	Bingham	5 July	Male	Agricultural Labourer	1								1		
8	Wigan	15 Sept.	Female	Waggon minder in a Coal Mine.	1		1								
9	Guisborough	30 June	Male	Horsekeeper	1				1						
11	Festiniog	28 June	Female	Wife of Farmer	1					1					
		1867.													
3	Royston	10 May	Male	Agricultural Labourer	1								1		
3	Woodstock	8 Sept.	Male	Agricultural Labourer	1										
3	St. Neots	19 April	Female	Daughter of Labourer	1				1						
4	Halstead	2 July	Male	Agricultural Labourer	1					1					
4	Tunstead	1 Sept.	Female	Daughter of Labourer	1	1									
4	Tunstead	1 Sept.	Female	Daughter of Carpenter	1										
6	Shipston on Stour.	3 Sept.	Male	Carpenter	1						1				
6	West Bromwich	3 Sept.	Male	Labourer	1						1				
7	Caistor	30 Mar.	Male	Fisherman (at Sea)	1					1					
7	Lincoln	23 July	Male	Agricultural Labourer	1					1					
7	Mansfield	3 Sept.	Male	Son of Groom	1										
8	Oldham	10 July	Female	Daughter of Tailor	1										
9	Pontefract	27 May	Male	Market Gardener	1								1		
9	Whitby	5 June	Male	Boat Builder	1										
9	Saddleworth	3 Sept.	Male	Spinner	1								1		
10	Aldwick	13 Aug.	Male	Roadman (at Sea)	1				1						
11	Machynlleth	4 Sept.	Male	Son of a Farmer	1				1						
		1868.													
2	Epsom	29 May	Male	Omnibus Driver	1							1			
2	Epsom	29 May	Male	Beerhouse Keeper	1										
2	Thanet	29 May	Male	Labourer	1				1						
4	Maldon	31 May	Male	Son of a Maltster	1										
4	Maldon	11 Aug.	Male	Agricultural Labourer	1										
4	Lexden	16 July	Male	Agricultural Labourer	1										
7	Glanford Brigg	27 April	Male	Miller	1						1				
9	Leyburn	20 June	Male	Stable Boy	1			1							
9	Patrington	11 Aug.	Male	Farm Servant	1				1						
10	Belford	6 Aug.	Female	Widow	1							1			
11	Merthyr Tydfil	16 Dec.	Female	Widow of a Miner	1							1			
		1869.													
4	Wayland	10 Sept.	Male	Son of a Labourer	1			1							
6	Cleobury Mrtmr.	10 May	Male	Agricultural Labourer	1				1						
8	Fylde	14 April	Male	Labourer	1							1			
9	Whitby	26 Mar.	Male	Labourer	1										
9	Whitby	26 Mar.	Female	Spinster	1				1				1		
9	Bradford	5 Sept.	Male	Hawker	1				1						
9	Bradford	5 Sept.	Female	Worsted Weaver	1				1						
		1870.													
2	Petworth	26 July	Male	Agricultural Labourer	1							1			
3	Newport Pagnell	26 Oct.	Male	Army Captain	1					1					
3	Amphill	30 Oct.	Male	Railway Labourer	1										
5	Yeovil	16 June	Male	Labourer	1							1			
6	Stoke-upn-Trent	9 July	Male	Son of Bootmaker	1	1									
6	Penkridge	1 Aug.	Male	Labourer	1							1			
6	Meriden	1 Aug.	Male	Labourer	1										
6	Rugby	1 Aug.	Male	Agricultural Labourer	1							1			
7	Hornecastle	1 May	Male	Agricultural Labourer	1				1						
7	Gainsborough	16 June	Female	Wife of Shoemaker	1							1			
7	Caistor	17 June	Male	Son of Carpenter	1										
7	Barrow-upon-Soar.	26 July	Male	Labourer	1				1						
7	Mansfield	1 Aug.	Male	Labourer	1							1			
8	Wirral	4 Aug.	Female	Daughter of Labourer	1			1							
10	Wigton	4 Aug.	Male	Farmer	1					1					
11	Llandover	9 July	Female	Wife of Farmer	1					1					
11	Aberystwith	9 July	Female	Agricultural Labourer	1							1			
11	Pontypridd	1 Aug.	Female	Widow of Farmer	1							1			
11	Neath	1 Aug.	Female	Spinster	1							1			
		TOTAL	- -		73	2	4	7	3	7	14	13	10	8	5

TABLE 22.—Deaths and Death-rate per 1000 from Heart Disease in the Five QUINQUENNIAL PERIODS between 1851 and 1870.

Note.—This Table was prepared at the General Register Office for Dr. Quain for use in a series of lectures on Diseases of the Heart, delivered at the Royal College of Physicians, London.

QUIN- QUENNIAL PERIODS.	DEATHS AT DIFFERENT AGES.					ANNUAL RATE PER 1000 LIVING.				
	All Ages.	0-20	20-45	45-65	65 and upwrd.	All Ages.	0-20	20-45	45-65	65 and upwrd.
1851-1855	32,617	4,416*	6,454†	11,873	9,874	·725	·177*	·553†	1·829	·507
1856-1860	39,678	3,433	8,723	14,629	12,893	·836	·156	·529	2·137	·627
1861-1865	49,738	3,942	11,128	18,662	16,006	·993	·169	·605	2·583	·738
1866-1870	57,687	4,296	13,089	21,132	19,170	1·085	·174	·709	2·757	·833

  

F E M A L E S.										
QUIN- QUENNIAL PERIODS.	DEATHS AT DIFFERENT AGES.					ANNUAL RATE PER 1000 LIVING.				
	All Ages.	0-20	20-45	45-65	65 and upwrd.	All Ages.	0-20	20-45	45-65	65 and upwrd.
1851-1855	33,497	4,784*	6,719†	12,165	9,829	·713	·171*	·530†	1·780	·423
1856-1860	41,095	3,610	9,349	14,930	13,206	·825	·164	·516	2·061	·536
1861-1865	51,243	4,153	11,025	18,897	17,168	·970	·178	·573	2·454	·657
1866-1870	60,003	4,632	12,711	21,588	21,072	1·067	·187	·621	2·632	·758

\* These figures relate to the ages 0-25, as in the abstracts for the quinquenniad 1851-55 the deaths of persons aged 15-25 were classified together.

† These figures relate to the ages 25-45 for the five years 1851-55, as it is not possible to obtain separately the deaths of persons aged 15-20 and 20-25 during that quinquenniad.

## APPENDIX B.

### HEALTHY DISTRICT LIFE TABLE, with TABLES of ANNUITIES, and PREMIUMS. By WILLIAM FARR, M.D., F.R.S., D.C.L.

The Healthy District Life Table was constructed in 1859 from observations extending over the five years 1849 to 1853 in 63 Districts of England and Wales which showed during the ten years 1841-50 a mean annual death-rate not exceeding 17 per 1000 persons living. The Tables of Annuities and Premiums have been deduced from this Life Table. It has been found by experience that this Healthy District Life Table expresses very accurately the actual duration of Life among the clergy and other classes of the community living under favourable circumstances.

W. F.

TABLE A. HEALTHY DISTRICTS.—Population, 1851. Deaths in the Five Years 1849 to 1853. Average Annual Mortality per cent.

AGES.	POPULATION.			DEATHS.			AVERAGE ANNUAL MOR-TALITY to 100 living (m.).			
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
All ages .	996773	493525	503248	87345	43736	43609	1·753	1·772	1·733	
Under 5 .	130635	65700	64935	26361	14282	12079	4·036	4·348	3·720	
5- .	122406	61733	60673	4209	2080	2129	·688	·674	·702	
10- .	110412	56651	53761	2377	1087	1290	·431	·384	·480	
15- .	181339	90066	91273	6603	3113	3490	·728	·691	·765	
25- .	136892	65422	71470	5869	2675	3194	·857	·818	·894	
35- .	108056	52734	55322	5208	2447	2761	·964	·928	·998	
45- .	85244	42383	42861	5252	2698	2554	1·232	1·273	1·192	
55- .	62857	31105	31752	7001	3568	3433	2·228	2·294	2·162	
65- .	39453	18860	20593	10313	5173	5140	5·228	5·486	4·992	
75- .	16737	7718	9019	10297	4946	5351	12·304	12·817	11·866	
85- .	2614	1097	1517	3581	1555	2026	27·399	28·350	26·711	
95 & upwrd.	128	56	72	274	112	162	42·813	40·000	45·000	

Note.—The ages at death of 146 persons, viz., 123 males and 23 females, were not stated; in calculating the mortality they have been distributed proportionally over the several ages in the Table. The Table may be read thus: 136,892 persons, of whom 65,422 were males, 71,470 were females, at the age of 25 and under 35, were enumerated in 1851; at the same ages 5869, 2675 males and 3194 females, died in the five years 1849 to 1853; consequently the annual rates of mortality per cent. were ·857, ·818, and ·894.

TABLE B. LIFE TABLE OF HEALTHY ENGLISH DISTRICTS.

Logarithms of the Numbers of Males and Females living at each year of Age.

$\lambda l_x$				$\lambda l_x$			
Age $x.$	Males.	Age $x.$	Females.	Age $x.$	Males.	Age $x.$	Females.
0	4.7086364	0	4.6890835	55	4.4351998	55	4.4177773
1	4.6566579	1	4.6468631	56	4.4279544	56	4.4116015
2	4.6411508	2	4.6327907	57	4.4203212	57	4.4052190
3	4.6315849	3	4.6232586	58	4.4122719	58	4.3981522
4	4.6248271	4	4.6165514	59	4.4037768	59	4.3901691
5	4.6193109	5	4.6110606	60	4.3943905	60	4.3812819
6	4.6148376	6	4.6065737	61	4.3839799	61	4.3714868
7	4.6112225	7	4.6028950	62	4.3725154	62	4.3607637
8	4.6082954	8	4.5998462	63	4.3599518	63	4.3490765
9	4.6059001	9	4.5972658	64	4.3462281	64	4.3363727
10	4.6038946	10	4.5950094	65	4.3312678	65	4.3225837
11	4.6021511	11	4.5929497	66	4.3149786	66	4.3076249
12	4.6005560	12	4.5909763	67	4.2972528	67	4.2913951
13	4.5990100	13	4.5889900	68	4.2779668	68	4.2737774
14	4.5974279	14	4.5869326	69	4.2569814	69	4.2546384
15	4.5957387	15	4.5847269	70	4.2341418	70	4.2338287
16	4.5938855	16	4.5823368	71	4.2092775	71	4.2111825
17	4.5918259	17	4.5797373	72	4.1822024	72	4.1865180
18	4.5895314	18	4.5769202	73	4.1527146	73	4.1596372
19	4.5869878	19	4.5738947	74	4.1205968	74	4.1303259
20	4.5841951	20	4.5706868	75	4.0856157	75	4.0983537
21	4.5811675	21	4.5673396	76	4.0475228	76	4.0634741
22	4.5780527	22	4.5639166	77	4.0060534	77	4.0254242
23	4.5748607	23	4.5604237	78	3.9609277	78	3.9839252
24	4.5716008	24	4.5568665	79	3.9118498	79	3.9836819
25	4.5682808	25	4.5532498	80	3.8585083	80	3.8893831
26	4.5649078	26	4.5495779	81	3.8005763	81	3.8357013
27	4.5614874	27	4.5458546	82	3.7377111	82	3.7772929
28	4.5580244	28	4.5420830	83	3.6695542	83	3.7137979
29	4.5545223	29	4.5382656	84	3.5957318	84	3.6448405
30	4.5509835	30	4.5344046	85	3.5158541	85	3.5700284
31	4.5474095	31	4.5305013	86	3.4295159	86	3.4889532
32	4.5438005	32	4.5265566	87	3.3362962	87	3.4011904
33	4.5401557	33	4.5225708	88	3.2357583	88	3.3062992
34	4.5364730	34	4.5185435	89	3.1274500	89	3.2038228
35	4.5327494	35	4.5144739	90	3.0109034	90	3.0922880
36	4.5289808	36	4.5103606	91	2.8856349	91	2.9742056
37	4.5251620	37	4.5062016	92	2.7511453	92	2.8460701
38	4.5212864	38	4.5019942	93	2.6069196	93	2.7083599
39	4.5173467	39	4.4977353	94	2.4524273	94	2.5605372
40	4.5133342	40	4.4934212	95	2.2871223	95	2.4020479
41	4.5092393	41	4.4890475	96	2.1104426	96	2.233219
42	4.5050512	42	4.4846093	97	1.9218108	97	2.0507729
43	4.5007579	43	4.4801012	98	1.7206337	98	1.8567982
44	4.4963465	44	4.4755172	99	1.5063024	99	1.6497793
45	4.4918029	45	4.4708506	100	1.2781926	100	1.4290811
46	4.4871119	46	4.4660943	101	1.0356640	101	1.1940526
47	4.4822570	47	4.4612404	102	0.7780608	102	0.9440265
48	4.4772210	48	4.4562807	103	0.5047118	103	0.6783194
49	4.4719852	49	4.4512061	104	0.2149296	104	0.3962318
50	4.4665301	50	4.4460074	105	1.9080117	105	0.0970476
51	4.4608349	51	4.4406743	106	1.5832396	106	1.7800351
52	4.4548778	52	4.4351962	107	1.2398792	107	1.4444460
53	4.4486358	53	4.4295620	108	1.2771808	108	1.0895160
54	4.4420848	54	4.4237598	109	1.24943792	109	1.7144646

TABLE C. HEALTHY DISTRICTS.—LIVING and DYING at each AGE.

Age.	Living at each Age ( $l_x$ ).			Age.	Dying in each Year of Age ( $d_x$ ).			Age.	Living at each Age ( $l_x$ ).			Age.	Dying in each Year of Age ( $d_x$ ).		
	$x.$	Persons.	Males.		Persons.	Males.	Females.		Persons.	Males.	Females.		Persons.	Males.	Females.
0	100000	51125	48875	10295	5767	4528	55	53408	27240	26168	820	451	369		
1	89705	45358	44347	3005	1591	1414	56	52588	26789	25799	843	467	376		
2	86700	43767	42933	1885	953	932	57	51745	26322	25423	894	483	411		
3	84815	42814	42001	1305	661	644	58	50851	25839	25012	956	501	455		
4	83510	42153	41357	1051	532	519	59	49805	25338	24557	1040	542	498		
5	82459	41621	40838	847	427	420	60	48855	24796	24059	1123	587	536		
6	81612	41194	40418	682	341	341	61	47732	24209	23523	1205	631	574		
7	80930	40853	40077	555	275	280	62	46527	23578	22949	1281	672	609		
8	80375	40578	39797	459	223	236	63	45246	22906	22340	1356	712	644		
9	79916	40355	39561	391	186	205	64	43890	22194	21696	1430				

TABLE D. HEALTHY DISTRICTS LIFE TABLE.—The MEAN AFTER-LIFETIME (or the Expectation of Life) at the Age  $x$ , and at the Age  $x$  and upwards; also the MEAN AGES of the LIVING and the MEAN AGES at DEATH.

PERSONS.						
AGE (or past- Life- time).	MEAN AFTER- LIFETIME of PERSONS of the Age $x$ .	MEAN AFTER- LIFETIME of PERSONS of the Age $x$ and upwards.	MEAN AGE of PERSONS LIVING of the Age $x$ and upwards.	MEAN AGE AT DEATH.		
				OF PERSONS ACTUALLY LIVING at the Age $x$ .	OF PERSONS ACTUALLY LIVING at the Age $x$ and upwards.	
$x$	$A_x = \frac{Q_x}{D_x}$	$A'_x = \frac{Y_x}{Q_x}$	$x + A'_x$	$x + A_x$	$x + 2A'_x$	
0	49·00	33·92	33·92	49·00	67·84	
5	54·16	31·98	36·98	59·16	68·96	
10	51·08	29·91	39·91	61·08	69·82	
15	47·12	27·85	42·85	62·12	70·70	
20	43·45	25·82	45·82	63·45	71·64	
25	40·05	23·79	48·79	65·05	72·58	
30	36·64	21·76	51·76	66·64	73·52	
35	33·17	19·73	54·73	68·17	74·46	
40	29·64	17·71	57·71	69·64	75·42	
45	26·05	15·71	60·71	71·05	76·42	
50	22·44	13·74	63·74	72·44	77·43	
55	18·86	11·84	66·84	73·86	78·68	
60	15·37	10·04	70·04	75·37	80·08	
65	12·29	8·37	73·37	77·29	81·74	
70	9·61	6·86	76·86	79·61	83·72	
75	7·34	5·51	80·51	82·34	86·02	
80	5·51	4·36	84·36	85·51	88·72	
85	4·10	3·41	88·41	89·10	91·82	
90	3·05	2·65	92·65	93·05	95·30	
95	2·29	2·05	97·05	97·29	99·10	
100	1·72	1·47	101·47	101·72	102·94	
MALES.						
AGE (or past- Life- time).	MEAN AFTER-LIFETIME of MALES of the Age $x$ .	MEAN AGE at DEATH of MALES ACTUALLY LIVING at the Age $x$ .	MEAN AFTER-LIFETIME of FEMALES of the Age $x$ .	MEAN AGE at DEATH of FEMALES ACTUALLY LIVING at the Age $x$ .		
$x$	$A_x = \frac{Q_x}{D_x}$	$x + A_x$	$A_x = \frac{Q_x}{D_x}$	$x + A_x$		
0	48·56	48·56	49·45	49·45		
5	54·39	59·39	53·93	58·93		
10	51·28	61·28	50·88	60·88		
15	47·20	62·20	47·04	62·04		
20	43·40	63·40	43·50	63·50		
25	39·93	64·93	40·18	65·18		
30	36·45	66·45	36·85	66·85		
35	32·90	67·90	33·46	68·46		
40	29·29	69·29	30·00	70·00		
45	25·65	70·65	26·46	71·46		
50	22·03	72·03	22·87	72·87		
55	18·49	73·49	19·24	74·24		
60	15·06	75·06	15·69	75·69		
65	12·00	77·00	12·58	77·58		
70	9·37	79·37	9·85	79·85		
75	7·15	82·15	7·52	82·52		
80	5·37	85·37	5·64	85·64		
85	4·01	89·01	4·19	89·19		
90	2·99	92·99	3·11	93·11		
95	2·25	97·25	2·32	97·32		
100	1·69	101·69	1·75	101·75		

The Table may be read thus:—Persons in the Healthy Districts of England of the precise age 20 will live on an average 43·45 years; while persons of the age of 20 and upwards, living in a normally constituted population of the same character, will live on an average 25·82 years. The mean age of persons of the age 20 and upwards is 45·82 years; the mean age at death of persons living at the precise age 20 will be 63·45, while the mean age at death of persons actually living at the age  $x$  and upwards will be 71·64 years.

TABLE E.—MALES. INTEREST 3 per Cent.

AGE ( $x$ )	$D_x$	$N_x$	$S_x$	$C_x$	$M_x$	$R_x$	AGE ( $x$ )
0	51,125	1,132,835	25,117,889	5,599·03	18,129·81	401,262·73	0
1	44,037	1,081,710	23,984,554	1,499·67	12,530·78	383,132·92	1
2	41,255	1,037,673	22,902,844	872·13	11,031·11	370,602·14	2
3	39,181	996,418	21,865,171	587·29	10,158·98	359,571·03	3
4	37,452	957,237	20,868,753	458·91	9,571·69	349,412·05	4
5	35,903	919,785	19,911,516	357·61	9,112·78	339,840·36	5
6	34,500	883,882	18,991,731	277·26	8,755·17	330,727·58	6
7	33,217	849,382	18,107,849	217·09	8,477·91	321,972·41	7
8	32,033	816,165	17,258,467	170·91	8,260·82	313,494·50	8
9	30,929	784,132	16,442,302	138·40	8,089·91	305,233·68	9
10	29,890	753,203	15,658,170	116·31	7,951·51	297,143·77	10
11	28,903	723,313	14,904,987	102·40	7,885·20	289,192·26	11
12	27,958	694,410	14,181,654	96·70	7,732·80	281,357·06	12
13	27,047	666,452	13,487,244	95·20	7,636·10	273,624·26	13
14	26,164	639,405	12,820,792	98·85	7,540·90	265,988·16	14
15	25,303	613,241	12,181,387	104·69	7,442·05	258,447·26	15
16	24,462	587,938	11,568,146	112·53	7,337·36	251,005·21	16
17	23,637	563,476	10,980,208	120·42	7,224·83	243,667·85	17
18	22,828	539,839	10,416,732	129·45	7,104·41	236,443·02	18
19	22,033	517,011	9,876,893	137·31	6,974·96	229,338·61	19
20	21,254	494,978	9,359,882	143·53	6,887·65	222,363·65	20
21	20,492	473,724	8,864,904	141·95	6,694·12	215,526·00	21
22	19,753	453,232	8,391,180	140·35	6,552·17	208,831·88	22
23	19,037	433,479	7,937,948	138·23	6,411·82	202,279·71	23
24	18,345	414,442	7,504,469	135·64	6,273·59	195,867·89	24
25	17,675	396,097	7,090,027	133·08	6,137·95	189,594·30	25
26	17,027	378,422	6,693,930	129·65	6,004·87	183,456·35	26
27	16,401	361,395	6,315,503	126·32	5,875·22	177,451·48	27
28	15,797	344,994	5,954,113	123·06	5,748·90	171,576·26	2

TABLE E (continued).—MALES. INTEREST 3 per Cent.

AGE (x)	D <sub>x</sub>	N <sub>x</sub>	S <sub>x</sub>	C <sub>x</sub>	M <sub>x</sub>	R <sub>x</sub>	AGE (x)
55	5,360	74,930	782,750	86·16	3,177·54	52,132·98	55
56	5,118	69,570	707,820	86·62	3,091·38	48,955·44	56
57	4,882	64,452	638,250	86·97	3,004·76	45,864·06	57
58	4,653	59,570	573,798	87·59	2,917·79	42,859·30	58
59	4,430	54,917	514,228	92·00	2,830·20	39,941·51	59
60	4,209	50,487	459,311	96·73	2,738·20	37,111·31	60
61	3,989	46,278	408,824	100·95	2,641·47	34,373·11	61
62	3,772	42,289	362,546	104·38	2,540·52	31,731·64	62
63	3,558	38,517	320,257	107·37	2,436·14	29,191·12	63
64	3,347	34,959	281,740	110·10	2,328·77	26,754·98	64
65	3,139	31,612	246,781	112·16	2,218·67	24,426·21	65
66	2,936	28,473	215,169	114·00	2,106·51	22,207·54	66
67	2,736	25,537	186,696	115·36	1,992·51	20,101·03	67
68	2,541	22,801	161,159	116·43	1,877·15	18,108·52	68
69	2,351	20,260	138,358	116·95	1,760·72	16,231·37	69
70	2,165	17,909	118,098	116·98	1,643·77	14,470·65	70
71	1,985	15,744	100,189	116·43	1,526·79	12,826·88	71
72	1,811	13,759	84,445	115·46	1,410·86	11,300·09	72
73	1,643	11,948	70,866	113·67	1,294·90	9,889·73	73
74	1,481	10,305	58,738	111·84	1,181·23	8,594·83	74
75	1,327	8,824	48,433	108·20	1,069·89	7,413·60	75
76	1,180	7,497	39,609	104·33	961·69	6,343·71	76
77	1,041	6,317	32,112	99·70	857·36	5,382·02	77
78	911	5,276	25,795	94·57	757·66	4,524·66	78
79	790	4,365	20,519	88·62	663·09	3,767·00	79
80	678	3,575	16,154	82·30	574·47	3,103·91	80
81	576	2,897	12,579	75·38	492·17	2,529·44	81
82	484	2,321	9,682	68·29	416·79	2,037·27	82
83	402	1,837	7,361	61·04	348·50	1,620·48	83
84	329	1,435	5,524	53·67	287·46	1,271·98	84
85	266	1,106	4,089	46·51	233·79	984·52	85
86	212	840	2,983	39·73	187·28	750·73	86
87	166	628	2,143	33·24	147·55	563·45	87
88	128	462	1,515	27·37	114·31	415·90	88
89	97	334	1,053	22·10	86·94	301·59	89
90	72	237	719	17·45	64·84	214·65	90
91	52	165	482	13·45	47·39	149·81	91
92	37	113	317	10·18	33·94	102·42	92
93	26	76	204	7·58	23·76	68·48	93
94	18	50	128	5·37	16·18	44·72	94
95	12	32	78	3·81	10·81	28·54	95
96	8	20	46	2·56	7·00	17·73	96
97	5	12	26	1·71	4·44	10·73	97
98	3	7	14	1·13	2·73	6·29	98
99	2	4	7	·68	1·60	3·56	99
100	1	2	3	·40	·92	1·96	100
101	1	1	1	·25	·52	1·04	101
102	..	..	..	·14	·27	·52	102
103	..	..	..	·05	·13	·25	103
104	..	..	..	·04	·08	·12	104
105	..	..	..	·04	·04	·04	105
106	..	..	..	..	..	106	

TABLE F.—MALES. INTEREST 3 per Cent.

AGE (x)	$\lambda D_x$	$\lambda N_x$	$\lambda M_x$	AGE (x)	$\lambda D_x$	$\lambda N_x$	$\lambda M_x$
0	4·708 6364	6·054 1666	4·258 3932	55	3·729 1524	4·874 6557	3·502 0910
1	4·643 8207	6·034 1108	4·097 9781	56	3·709 0698	4·842 4220	3·490 1524
2	4·615 4764	6·016 0606	4·042 6192	57	3·688 5994	4·809 2364	3·477 8098
3	4·593 0732	5·998 4415	4·006 8501	58	3·667 7129	4·775 0276	3·465 0540
4	4·573 4782	5·981 0195	3·980 9886	59	3·646 3805	4·739 7068	3·451 8171
5	4·555 1248	5·963 6864	3·959 6508	60	3·624 1570	4·703 1796	3·437 4652
6	4·537 8143	5·946 3943	3·942 2646	61	3·600 9092	4·665 3746	3·421 8457
7	4·521 3619	5·929 1030	3·928 2888	62	3·576 6075	4·626 2274	3·404 9226
8	4·505 5976	5·911 7780	3·917 0232	63	3·551 2066	4·585 6525	3·386 7022
9	4·490 3651	5·894 3892	3·907 9437	64	3·524 6457	4·543 5590	3·367 1266
10	4·475 5224	5·876 9120	3·890 4496	65	3·496 8482	4·499 8520	3·346 0927
11	4·460 9416	5·859 3263	3·884 0501	66	3·467 7218	4·454 4332	3·323 5636
12	4·446 5093	5·841 6160	3·888 3368	67	3·437 1587	4·407 1699	3·299 4005
13	4·432 1261	5·823 7689	3·882 8716	68	3·405 0355	4·357 9539	3·273 4990
14	4·417 7068	5·805 7760	3·877 4232	69	3·371 2129	4·306 6394	3·245 6903
15	4·403 1803	5·787 6312	3·871 6926	70	3·335 5361	4·253 0713	3·215 8411
16	4·388 4899	5·769 3315	3·865 5398	71	3·297 8345	4·197 1151	3·183 7794
17	4·373 5931	5·750 8754	3·858 8276	72	3·257 9222	4·138 5869	3·149 3300
18	4·358 4614	5·732 2643	3·851 5280	73	3·215 5972	4·077 2952	3·112 2362
19	4·343 0805	5·718 4997	3·843 5417	74	3·170 6422	4·013 0480	3·072 3344
20	4·327 4506	5·694 5859	3·834 9069	75	3·122 8238	3·945 6655	3·029 3391
21	4·311 5858	5·675 5254	3·825 6935	76	3·071 8937	3·874 8875	2·983 0351
22	4·295 6338	5·656 3205	3·816 3851	77	3·017 5871	3·800 5109	2·933 1632
23	4·279 6045	5·636 9681	3·806 9813	78	2·959 6242	3·722 3048	2·879 4744
24	4·263 5074	5·617 4638	3·797 5161	79	2·89		

## Healthy District Life Table.

TABLE G.—MALES. INTEREST 3 per Cent.

VALUES OF ANNUITIES. SINGLE and ANNUAL PREMIUMS, WHICH INSURE £1 on the LIFE of a MALE.

AGE	PRESENT VALUE of an ANNUITY of £1 (first payment at the age $x$ ).	ANNUITY (first payment at age $x$ ) which £1 will purchase.	SINGLE PREMIUM which will insure £1 over the WHOLE TERM OF LIFE.	ANNUAL PREMIUM which will insure £1 over the WHOLE TERM OF LIFE.	AGE	PRESENT VALUE of an ANNUITY of £1 (first payment at the age $x$ ).	ANNUITY (first payment at age $x$ ) which £1 will purchase.	SINGLE PREMIUM which will insure £1 over the WHOLE TERM OF LIFE.	ANNUAL PREMIUM which will insure £1 over the WHOLE TERM OF LIFE.
(x)	$\frac{N_x}{D_x} = A_x$	$D_x = a_x$	$1-d A_x = \Pi_x$	$a_x - d = \pi_x$	(x)	$\frac{N_x}{D_x} = A_x$	$D_x = a_x$	$1-d A_x = \Pi_x$	$a_x - d = \pi_x$
0	22·1580	.04513	.35462	.01800	55	13·9799	.07153	.59282	.04240
1	24·5635	.04071	.28456	.01158	56	13·5942	.07356	.60405	.04443
2	25·1527	.03976	.26740	.01063	57	13·2019	.07575	.61548	.04662
3	25·4313	.03932	.25928	.01019	58	12·8031	.07811	.62709	.04898
4	25·5588	.03913	.25557	.01000	59	12·3973	.08066	.63891	.05153
5	25·6190	.03903	.25382	.00990	60	11·9956	.08336	.65061	.05423
6	25·6201	.03903	.25378	.00990	61	11·6002	.08621	.66213	.05708
7	25·5706	.03911	.25522	.00998	62	11·2104	.08920	.67348	.06007
8	25·4789	.03925	.25790	.01012	63	10·8254	.09287	.68470	.06324
9	25·3527	.03944	.26157	.01031	64	10·4451	.09574	.69577	.06661
10	25·1994	.03968	.26604	.01055	65	10·0694	.09931	.70672	.07018
11	25·0256	.03996	.27110	.01083	66	9·6987	.10311	.71751	.07398
12	24·8374	.04026	.27658	.01113	67	9·3328	.10715	.72817	.07802
13	24·6401	.04058	.28233	.01145	68	8·9726	.11145	.73866	.08232
14	24·4332	.04092	.28821	.01179	69	8·6184	.11603	.74898	.08690
15	24·2354	.04126	.29411	.01213	70	8·2706	.12091	.75911	.09178
16	24·0349	.04161	.29996	.01248	71	7·9301	.12610	.76903	.09697
17	23·8387	.04195	.30567	.01282	72	7·5974	.13162	.77872	.10249
18	23·6485	.04229	.31121	.01316	73	7·2727	.13750	.78817	.10837
19	23·4649	.04262	.31656	.01349	74	6·9567	.14375	.79738	.11462
20	23·2882	.04294	.32170	.01381	75	6·6503	.15037	.80630	.12124
21	23·1174	.04326	.32668	.01413	76	6·3532	.15740	.81495	.12827
22	23·9449	.04358	.33170	.01445	77	6·0663	.16485	.82331	.13572
23	22·7700	.04392	.33680	.01479	78	5·7900	.17271	.83136	.14358
24	22·5921	.04426	.34198	.01513	79	5·5243	.18102	.83910	.15189
25	22·4105	.04462	.34727	.01549	80	5·2692	.18978	.84653	.16065
26	22·2247	.04499	.35268	.01586	81	5·0256	.19898	.85362	.16985
27	22·0343	.04538	.35822	.01625	82	4·7931	.20863	.86040	.17950
28	21·8388	.04579	.36392	.01666	83	4·5714	.21875	.86685	.18962
29	21·6378	.04622	.36977	.01709	84	4·3596	.22938	.87302	.20025
30	21·4308	.04666	.37580	.01753	85	4·1597	.24040	.87884	.21127
31	21·2177	.04713	.38201	.01800	86	3·9698	.25190	.88488	.22277
32	20·9979	.04762	.38841	.01849	87	3·7888	.26394	.88965	.23481
33	20·7715	.04814	.39500	.01901	88	3·6188	.27634	.89460	.24721
34	20·5380	.04869	.40180	.01956	89	3·4579	.28919	.89929	.26006
35	20·2975	.04927	.40881	.02014	90	3·3052	.30256	.90373	.27343
36	20·0497	.04988	.41603	.02075	91	3·1625	.31620	.90789	.28707
37	19·7945	.05052	.42346	.02139	92	3·0406	.32888	.91144	.29975
38	19·5318	.05120	.43111	.02207	93	2·9360	.34060	.91449	.31147
39	19·2617	.05192	.43898	.02279	94	2·8395	.35217	.91730	.32304
40	18·9842	.05268	.44706	.02355	95	2·7388	.36512	.92023	.33599
41	18·6992	.05348	.45536	.02435	96	2·6483	.37761	.92287	.34848
42	18·4069	.05433	.46388	.02520	97	2·5269	.39575	.92640	.36662
43	18·1072	.05523	.47261	.02610	98	2·4128	.41446	.92973	.38533
44	17·8003	.05618	.48155	.02705	99	2·3262	.42989	.93225	.40076
45	17·4863	.05719	.49069	.02806	100	2·0256	.49367	.94100	.46454
46	17·1652	.05826	.50004	.02913	101	1·8235	.54841	.94689	.51928
47	16·8874	.05939	.50959	.03026	102	..	..	..	..
48	16·5028	.06060	.51934	.03147	103	..	..	..	..
49	16·1615	.06188	.52928	.03275	104	..	..	..	..
50	15·8136	.06324	.53941	.03411	105	..	..	..	..
51	15·4595	.06469	.54972	.03556	106	..	..	..	..
52	15·0991	.06623	.56022	.03710					
53	14·7323	.06788	.57090	.03875					
54	14·3592	.06964	.58177	.04051					

## Healthy District Life Table.

TABLE H.—For calculating the VALUE OF PREMIUMS paid continuously, or at short intervals, through the Year, during Life, and of POLICIES payable at Death.

MALES. INTEREST 3 per Cent.									
AGE (x)	CONTINUOUS PAYMENTS.		PAYMENTS AT DEATH.		AGE (x)	CONTINUOUS PAYMENTS.		PAYMENTS AT DEATH.	
	P'x	Q'x	C'x	M'x		P'x	Q'x	C'x	M'x
0	46,232	1,105,828	5,683·01	18,401·75	55	5,238	72,225	87·45	3,225·17
1	42,634	1,059,596	5,122·17	12,718·74	56	4,999	66,987	87·91	3,137·72
2	40,212	1,016,962	4,885·21	11,196·57	57	4,767	61,988	88·28	3,049·81
3	38,312	976,750	4,596·10	10,311·36	58				

TABLE I.—LOGARITHMS for calculating the VALUE OF PREMIUMS paid continuously, or at short intervals, through the Year, during Life, and of POLICIES payable at Death.

MALES. INTEREST 3 per Cent.							
AGE (x)	$\lambda D_x$	$\lambda Q'_x$	$\lambda M'_x$	AGE (x)	$\lambda D_x$	$\lambda Q'_x$	$\lambda M'_x$
0	4.708 6364	6.043 6876	4.264 8591	55	3.729 1524	4.858 6876	3.508 5527
1	4.643 8207	6.025 1403	4.104 4441	56	3.709 0698	4.825 9905	3.496 6142
2	4.615 4764	6.007 3048	4.049 0850	57	3.688 5994	4.792 3076	3.484 2742
3	4.593 0732	5.989 7834	4.013 3159	58	3.667 7129	4.757 5554	3.471 5161
4	4.573 4782	5.972 4056	3.987 4544	59	3.646 8805	4.721 6458	3.458 2797
5	4.555 1248	5.955 0929	3.966 1169	60	3.624 1570	4.684 4953	3.443 9276
6	4.537 8143	5.937 8012	3.948 7307	61	3.600 9092	4.646 0408	3.428 3081
7	4.521 3619	5.920 4933	3.934 7549	62	3.576 6075	4.606 1986	3.411 3840
8	4.505 5976	5.903 1361	3.923 4896	63	3.551 2066	4.564 8908	3.393 1627
9	4.490 3651	5.885 7038	3.914 4103	64	3.524 6457	4.522 0136	3.373 5317
10	4.475 5224	5.868 1728	3.906 9161	65	3.496 8482	4.477 4830	3.352 5530
11	4.460 9416	5.850 5249	3.900 5168	66	3.467 7218	4.431 1707	3.330 0239
12	4.446 5093	5.832 7465	3.894 8033	67	3.437 1587	4.382 9711	3.305 8628
13	4.432 1261	5.814 8267	3.889 3381	68	3.405 0355	4.332 7414	3.279 9611
14	4.417 7068	5.796 7582	3.883 8896	69	3.371 2129	4.280 3507	3.252 1538
15	4.403 1803	5.778 5361	3.878 1591	70	3.335 5361	4.225 6452	3.222 3028
16	4.388 4899	5.760 1585	3.872 0064	71	3.297 8345	4.168 4680	3.190 2420
17	4.373 5931	5.741 6259	3.865 2941	72	3.257 9222	4.108 6327	3.155 7944
18	4.358 4614	5.722 9390	3.857 9949	73	3.215 5972	4.045 9485	3.118 6978
19	4.343 0805	5.704 0999	3.850 0081	74	3.170 6422	3.980 2807	3.078 7939
20	4.327 4506	5.685 1127	3.841 3732	75	3.122 8288	3.911 2642	3.035 7978
21	4.311 5858	5.665 9804	3.832 1601	76	3.071 8937	3.838 7861	2.989 4899
22	4.295 6338	5.646 7026	3.822 8517	77	3.017 5871	3.762 6035	2.939 6141
23	4.279 6045	5.627 2747	3.813 4475	78	2.959 6242	3.682 4159	2.885 9207
24	4.263 5074	5.607 6920	3.803 9819	79	2.897 7090	3.598 0241	2.828 0151
25	4.247 3502	5.587 9488	3.794 4894	80	2.831 5303	3.509 0680	2.765 7058
26	4.231 1400	5.568 0397	3.784 9694	81	2.760 7611	3.415 3073	2.698 5529
27	4.214 8823	5.547 9580	3.775 4896	82	2.685 0586	3.316 3898	2.626 3506
28	4.198 5821	5.527 6956	3.766 0505	83	2.604 0645	3.211 9211	2.548 6351
29	4.182 2428	5.507 2481	3.756 6528	84	2.517 4049	3.101 7471	2.465 0109
30	4.165 8668	5.486 5920	3.747 2976	85	2.424 6900	2.985 4265	2.375 2794
31	4.149 4555	5.465 7337	3.737 9857	86	2.325 5146	2.862 7275	2.278 9136
32	4.133 0093	5.444 6552	3.728 7498	87	2.219 4577	2.738 1973	2.175 3378
33	4.116 5272	5.423 3458	3.719 5914	88	2.106 0825	2.596 5971	2.064 4954
34	4.100 0074	5.401 7950	3.710 4795	89	1.984 9370	2.451 7864	1.945 6163
35	4.083 4465	5.379 9868	3.701 4462	90	1.855 5532	2.298 8531	1.818 2259
36	4.066 8407	5.357 9082	3.692 4309	91	1.717 4475	2.136 7206	1.682 0548
37	4.050 1846	5.335 5421	3.683 4649	92	1.570 1206	1.963 7878	1.537 0631
38	4.033 4718	5.312 8752	3.674 5185	93	1.413 0577	1.785 3298	1.382 1972
39	4.016 6949	5.289 8876	3.665 5923	94	1.245 7282	1.591 0646	1.215 3732
40	3.999 8452	5.266 5633	3.656 6874	95	1.067 5860	1.380 2112	1.040 2066
41	3.982 9131	5.242 8792	3.647 7457	96	0.878 0690	1.146 1280	0.851 8696
42	3.965 8878	5.218 8163	3.638 7677	97	0.676 6000	0.903 0900	0.654 1765
43	3.948 7572	5.194 3534	3.629 7245	98	0.462 5857	0.602 0600	0.442 4798
44	3.931 5086	5.169 4658	3.620 6170	99	0.235 4172	0.301 0300	0.212 1876
45	3.914 1278	5.144 1257	3.611 4174	100	T.994 4701	..	T.973 1279
46	3.896 5996	5.118 3077	3.602 0686	101	T.739 1043	..	T.724 2759
47	3.878 9074	5.091 9833	3.592 5997	102	T.468 6639	..	T.447 1580
48	3.861 0342	5.065 1164	3.582 9538	103	..	..	T.146 1280
49	3.842 9612	5.037 6774	3.573 1026	104	..	..	T.954 2425
50	3.824 6689	5.009 6293	3.563 0444	105	..	..	T.602 0600
51	3.806 1364	4.980 9301	3.552 7510	106	..	..	..
52	3.787 3421	4.951 5366	3.542 1642				
53	3.768 2629	4.921 4003	3.531 2809				
54	3.748 8747	4.890 4713	3.520 0969				

TABLE K.—FEMALES. INTEREST 3 per Cent.

AGE (x)	D <sub>x</sub>	N <sub>x</sub>	S <sub>x</sub>	C <sub>x</sub>	M <sub>x</sub>	R <sub>x</sub>	AGE (x)
0	48,875	1,100,720	24,367,823	4,896·12	16,815·00	390,975·78	0
1	43,055	1,051,845	23,267,103	1,332·83	12,418·88	374,160·78	1
2	40,468	1,008,790	22,215,258	852·91	11,086·05	361,741·90	2
3	38,437	968,322	21,206,468	572·19	10,233·14	350,655·85	3
4	36,745	929,885	20,238,146	447·69	9,660·95	340,422·71	4
5	35,227	893,140	19,308,261	351·74	9,213·26	330,761·76	5
6	33,849	857,913	18,415,121	277·26	8,861·52	321,548·50	6
7	32,586	824,064	17,557,208	221·03	8,584·26	312,686·98	7
8	31,416	791,478	16,733,144	180·87	8,363·23	304,102·72	8
9	3						

TABLE K (continued).—FEMALES. INTEREST 3 per Cent.

AGE (x)	D <sub>x</sub>	N <sub>x</sub>	S <sub>x</sub>	C <sub>x</sub>	M <sub>x</sub>	R <sub>x</sub>	AGE (x)
55	5,149	74,124	793,980	70·49	2,990·01	50,997·40	55
56	4,929	68,975	719,856	69·74	2,919·52	48,007·39	56
57	4,715	64,046	650,881	74·01	2,849·78	45,087·87	57
58	4,504	59,331	586,835	79·55	2,775·77	42,238·09	58
59	4,293	54,827	527,504	84·53	2,696·22	39,462·32	59
60	4,084	50,534	472,677	88·33	2,611·69	36,766·10	60
61	3,876	46,450	422,143	91·83	2,523·36	34,154·41	61
62	3,672	42,574	375,693	94·60	2,431·53	31,631·05	62
63	3,470	38,902	333,119	97·12	2,336·93	29,199·52	63
64	3,272	35,432	294,217	99·27	2,239·81	26,862·59	64
65	3,077	32,160	258,785	101·21	2,140·54	24,622·78	65
66	2,886	29,083	226,625	102·82	2,039·33	22,482·24	66
67	2,700	26,197	197,542	104·11	1,936·51	20,442·91	67
68	2,517	23,497	171,345	105·37	1,832·40	18,506·40	68
69	2,338	20,980	147,848	106·22	1,727·03	16,674·00	69
70	2,164	18,642	126,863	106·80	1,620·81	14,946·97	70
71	1,994	16,478	108,226	106·90	1,514·01	13,326·16	71
72	1,829	14,484	91,748	106·56	1,407·11	11,812·15	72
73	1,669	12,655	77,264	105·71	1,300·55	10,405·04	73
74	1,515	10,986	64,609	104·37	1,194·84	9,104·49	74
75	1,366	9,471	53,623	102·39	1,090·47	7,909·65	75
76	1,224	8,105	44,152	99·71	988·08	6,819·18	76
77	1,089	6,881	36,047	96·31	888·37	5,831·10	77
78	961	5,792	29,166	92·34	792·06	4,942·73	78
79	841	4,831	23,374	87·59	699·72	4,150·67	79
80	728	3,990	18,543	82·21	612·13	3,450·95	80
81	625	3,262	14,553	76·36	529·92	2,888·82	81
82	530	2,637	11,291	70·01	453·56	2,308·90	82
83	445	2,107	8,654	63·46	383·55	1,855·34	83
84	369	1,662	6,547	56·58	320·09	1,471·79	84
85	301	1,293	4,885	49·82	263·51	1,151·70	85
86	243	992	3,592	43·10	213·69	888·19	86
87	192	749	2,600	36·72	170·59	674·50	87
88	150	557	1,851	30·61	133·87	503·91	88
89	115	407	1,294	25·10	103·26	370·04	89
90	87	292	887	20·23	78·16	266·78	90
91	64	205	595	15·82	57·93	188·62	91
92	46	141	390	12·22	42·11	130·69	92
93	33	95	249	9·13	29·89	88·58	93
94	23	62	154	6·76	20·76	58·69	94
95	15	39	92	4·74	14·00	37·93	95
96	10	24	53	3·35	9·26	23·93	96
97	6	14	29	2·21	5·91	14·67	97
98	4	8	15	1·45	3·70	8·76	98
99	2	4	7	·94	2·25	5·06	99
100	1	2	3	·56	1·31	2·81	100
101	1	1	1	·34	·75	1·50	101
102	..	..	..	..	·19	·41	102
103	..	..	..	..	·14	·22	103
104	..	..	..	..	·04	·08	104
105	..	..	..	..	·04	·04	105
106	..	..	..	..	..	..	106

TABLE L.—FEMALES. INTEREST 3 per Cent.

AGE (x)	$\lambda D_x$	$\lambda N_x$	$\lambda M_x$	AGE (x)	$\lambda D_x$	$\lambda N_x$	$\lambda M_x$
0	4·689 0835	6·041 6769	4·225 6969	55	3·711 7299	4·869 9588	3·475 6727
1	4·634 0259	6·021 9518	4·094 0824	56	3·692 7169	4·838 6917	3·465 3115
2	4·607 1163	6·003 8008	4·044 7769	57	3·673 4972	4·806 4920	3·454 8113
3	4·584 7469	5·986 0198	4·010 0039	58	3·653 5932	4·773 2817	3·443 3835
4	4·565 2025	5·968 4293	3·985 0199	59	3·632 7728	4·738 9945	3·430 7553
5	4·546 8745	5·950 9195	3·964 4133	60	3·611 0484	4·703 5837	3·416 9216
6	4·529 5504	5·933 4432	3·947 5082	61	3·588 4161	4·666 9857	3·401 9792
7	4·513 0344	5·915 9609	3·933 7029	62	3·564 8553	4·629 1445	3·385 8796
8	4·497 1484	5·898 4388	3·922 3741	63	3·540 8313	4·589 9719	3·368 6457
9	4·481 7303	5·880 8490	3·912 8786	64	3·514 7903	4·549 3957	3·350 2111
10	4·466 6372	5·863 1694	3·904 7058	65	3·488 1642	4·507 3160	3·330 5233
11	4·451 7402	5·845 3821	3·897 3769	66	3·460 3631	4·463 6392	3·309 4875
12	4·436 9296	5·827 4733	3·890 4546	67	3·431 3011	4·418 2516	3·287 0197
13	4·422 1121	5·809 4338	3·883 6654	68	3·400 8461	4·371 0124	3·263 0203
14	4·407 2115	5·791 2568	3·876 7039	69	3·368 8700	4·321 8055	3·237 2999
15	4·392 1685	5·772 9397	3·869 3855	70	3·335 2230	4·270 4925	3·209 7321
16	4·376 9412	5·754 4806	3·861 6019	71	3·299 7395	4·216 9045	3·180 1288
17	4·361 5045	5·735 8806	3·853 2838	72	3·262 2378	4·160 8885	3·148 3281
18	4·345 8502	5·717 1419	3·844 3958	73	3·222 5198	4·102 2621	3·114 1271
19	4·329 9874	5·698 2668	3·835 0104	74	3·180 3713	4·040 8396	3·077 3098
20	4·313 9423	5·679 2570	3·825 1969	75	3·135 5618	3·976 3958	3·037 6137
21	4·297 7579	5·660 1138	3·815 1306	76	3·087 8450	3·908 7530	2·994 7921
22	4·281 4977	5·640 8371	3·804 9514	77	3·036 9579	3·837 6516	2·948 5939
23	4·265 1675	5·621 4235	3·794 6937	78	2·982 6217	3·762 8286	2·898 7581
24	4·248 7731	5·601 8678	3·784 4275	79	2·		

## Healthy District Life Table.

TABLE M.—FEMALES. INTEREST 3 per Cent.

VALUES OF ANNUITIES. SINGLE and ANNUAL PREMIUMS WHICH INSURE £1 on the LIFE of a FEMALE.

AGE (x)	PRESENT VALUE of an ANNUITY of £1 (first pay- ment at the age x).	ANNUITY (first payment at age x) which £1 will purchase.	SINGLE PREMIUM which will insure £1 over the WHOLE TERM OF LIFE.	ANNUAL PREMIUM which will insure £1 over the WHOLE TERM OF LIFE.	AGE (x)	PRESENT VALUE of an ANNUITY of £1 (first pay- ment at the age x).	ANNUITY (first payment at age x) which £1 will purchase.	SINGLE PREMIUM which will insure £1 over the WHOLE TERM OF LIFE.	ANNUAL PREMIUM which will insure £1 over the WHOLE TERM OF LIFE.
	$\frac{N_x}{D_x} = A_x$	$D_x = a_x$	$1 - d A_x = \Pi_x$	$a_x - d = \pi_x$		$\frac{N_x}{D_x} = A_x$	$D_x = a_x$	$1 - d A_x = \Pi_x$	$a_x - d = \pi_x$
0	22.5213	.04440	.34404	.01527	55	14.3956	.06947	.58071	.04034
1	24.4301	.04093	.28844	.01180	56	13.9951	.07145	.59238	.04232
2	24.9278	.04012	.27395	.01099	57	13.5830	.07362	.60438	.04449
3	25.1926	.03969	.26624	.01056	58	13.1731	.07591	.61632	.04678
4	25.3062	.03952	.26293	.01039	59	12.7709	.07830	.62803	.04917
5	25.3539	.03944	.26154	.01031	60	12.3747	.08081	.63957	.05168
6	25.3450	.03946	.26180	.01033	61	11.9831	.08345	.65098	.05432
7	25.2887	.03954	.26344	.01041	62	11.5955	.08624	.66227	.05711
8	25.1936	.03969	.26621	.01056	63	11.2109	.08920	.67347	.06007
9	25.0679	.03989	.26987	.01076	64	10.8294	.09234	.68458	.06321
10	24.9191	.04013	.27420	.01100	65	10.4508	.09569	.69561	.06656
11	24.7538	.04040	.27902	.01127	66	10.0756	.09925	.70654	.07012
12	24.5778	.04069	.28414	.01156	67	9.7040	.10305	.71736	.07392
13	24.3962	.04099	.28943	.01186	68	9.3361	.10711	.72807	.07798
14	24.2128	.04130	.29477	.01217	69	8.9730	.11145	.73865	.08232
15	24.0310	.04161	.30007	.01248	70	8.6153	.11607	.74907	.08694
16	23.8528	.04192	.30526	.01279	71	8.2635	.12101	.75932	.09188
17	23.6797	.04223	.31030	.01310	72	7.9186	.12628	.76936	.09715
18	23.5121	.04253	.31518	.01340	73	7.5813	.13190	.77919	.10277
19	23.3496	.04283	.31991	.01370	74	7.2522	.13789	.78877	.10876
20	23.1907	.04312	.32454	.01399	75	6.9316	.14427	.79811	.11514
21	23.0333	.04342	.32913	.01429	76	6.6208	.15104	.80716	.12191
22	22.8739	.04372	.33377	.01459	77	6.3197	.15824	.81593	.12911
23	22.7120	.04403	.33848	.01490	78	6.0285	.16588	.82441	.13675
24	22.5473	.04435	.34282	.01522	79	5.7477	.17398	.83259	.14485
25	22.3793	.04468	.34818	.01555	80	5.4773	.18257	.84047	.15344
26	22.2077	.04503	.35317	.01590	81	5.2191	.19160	.84799	.16247
27	22.0320	.04539	.35829	.01626	82	4.9713	.20115	.85520	.17202
28	21.8518	.04576	.36354	.01663	83	4.7354	.21118	.86208	.18205
29	21.6670	.04615	.36892	.01702	84	4.5094	.22176	.86866	.19263
30	21.4771	.04656	.37445	.01743	85	4.2927	.23295	.87497	.20382
31	21.2818	.04699	.38014	.01786	86	4.0885	.24459	.88092	.21546
32	21.0809	.04744	.38599	.01831	87	3.8916	.25696	.88665	.22783
33	20.8740	.04791	.39202	.01878	88	3.7088	.26963	.89198	.24050
34	20.6609	.04840	.39823	.01927	89	3.5341	.28295	.89706	.25382
35	20.4414	.04892	.40462	.01979	90	3.3686	.29686	.90189	.26773
36	20.2152	.04947	.41121	.02034	91	3.2043	.31208	.90667	.28295
37	19.9821	.05004	.41800	.02091	92	3.0491	.32796	.91119	.29883
38	19.7420	.05065	.42499	.02152	93	2.9055	.34417	.91537	.31504
39	19.4945	.05130	.43220	.02217	94	2.7451	.36429	.92005	.33516
40	19.2395	.05198	.43963	.02285	95	2.5618	.39034	.92538	.36121
41	18.9769	.05270	.44728	.02357	96	2.4003	.41662	.93009	.38749
42	18.7064	.05346	.45515	.02433	97	2.1906	.45649	.93620	.42736
43	18.4279	.05427	.46327	.02514	98	2.0153	.49621	.94130	.46708
44	18.1412	.05512	.47162	.02599	99	1.6717	.59818	.95131	.56905
45	17.8462	.05603	.48021	.02690	100	1.4311	.69876	.95832	.66963
46	17.5427	.05700	.48905	.02787	101	1.2662	.78976	.96312	.76063
47	17.2305	.05804	.49814	.02891	102	..	..	..	..
48	16.9094	.05914	.50749	.03001	103	..	..	..	..
49	16.5793	.06032	.51711	.03119	104	..	..	..	..
50	16.2399	.06158	.52699	.03245	105	..	..	..	..
51	15.8911	.06293	.53715	.03380	106	..	..	..	..
52	15.5325	.06438	.54760	.03525					
53	15.1639	.06595	.55883	.03682					
54	14.7851	.06764	.56987	.03851					

## Healthy District Life Table.

TABLE N.—For calculating the VALUE OF PREMIUMS paid continuously, or at short intervals, through the Year, during Life, and of POLICIES payable at Death.

FEMALES. INTEREST 3 per Cent.									
AGE (x)	CONTINUOUS PAYMENTS.		PAYMENTS AT DEATH.		AGE (x)	CONTINUOUS PAYMENTS.		PAYMENTS AT DEATH.	
	P' <sub>x</sub>	Q' <sub>x</sub>	C' <sub>x</sub>	M' <sub>x</sub>		P' <sub>x</sub>	Q' <sub>x</sub>	C' <sub>x</sub>	M' <sub>x</sub>
0	45.031	1,075.261	4,462.06	17,067.22	55	5.038	71.527	71.55	3,034.83
1	41.752	1,03							

TABLE O.—LOGARITHMS for calculating the VALUE OF PREMIUMS paid continuously, or at short intervals, through the Year, during Life, and of POLICIES payable at Death.

FEMALES. INTEREST 3 per Cent.							
AGE (x)	$\lambda D_x$	$\lambda Q'_x$	$\lambda M'_x$	AGE (x)	$\lambda D_x$	$\lambda Q'_x$	$\lambda M'_x$
0	4.689 0835	6.031 5139	4.232 1628	55	3.711 7299	4.854 4700	3.482 1344
1	4.634 0259	6.012 9342	4.100 5484	56	3.692 7169	4.822 7498	3.471 7727
2	4.607 1163	5.994 9670	4.051 2428	57	3.673 4972	4.790 0599	3.461 2734
3	4.584 7469	5.977 2808	4.016 4747	58	3.653 5982	4.756 3242	3.449 8454
4	4.565 2025	5.959 7305	3.991 4857	59	3.632 7728	4.721 4891	3.437 2177
5	4.546 8745	5.942 2373	3.970 8790	60	3.611 0484	4.685 4999	3.423 3852
6	4.529 5504	5.924 7578	3.953 9736	61	3.588 4161	4.648 3015	3.408 4435
7	4.513 0344	5.907 2560	3.940 1682	62	3.564 8558	4.609 8184	3.392 3434
8	4.497 1484	5.889 6994	3.928 8392	63	3.540 3313	4.569 9705	3.375 1110
9	4.481 7308	5.872 0653	3.919 3433	64	3.514 7903	4.528 6725	3.356 6759
10	4.466 6372	5.854 3315	3.911 1704	65	3.488 1642	4.485 8208	3.336 9878
11	4.451 7402	5.836 4837	3.903 8412	66	3.460 3681	4.441 3180	3.315 9515
12	4.436 9296	5.818 5096	3.896 9190	67	3.431 3011	4.395 0467	3.293 4841
13	4.422 1121	5.800 4023	3.890 1297	68	3.400 8461	4.346 8613	3.269 4849
14	4.407 2115	5.782 1558	3.883 1684	69	3.368 8700	4.296 6433	3.243 7645
15	4.392 1685	5.763 7678	3.875 8498	70	3.335 2230	4.244 2524	3.216 1976
16	4.376 9412	5.745 2388	3.868 0663	71	3.299 7395	4.189 5184	3.186 5948
17	4.361 5045	5.726 5699	3.859 7482	72	3.262 2378	4.132 2597	3.154 7920
18	4.345 8502	5.707 7635	3.850 8600	73	3.222 5198	4.072 3234	3.120 5904
19	4.329 9874	5.688 8219	3.841 4740	74	3.180 3713	4.009 4934	3.083 7749
20	4.313 9423	5.669 7463	3.831 6600	75	3.135 5618	3.943 5440	3.044 0810
21	4.297 7579	5.650 5377	3.821 5934	76	3.087 8450	3.874 2498	3.038 5844
22	4.281 4977	5.631 1931	3.811 4141	77	3.036 9579	3.801 4037	2.955 0621
23	4.265 1675	5.611 7085	3.801 1566	78	2.982 6217	3.724 7672	2.905 2236
24	4.248 7731	5.592 0801	3.790 8901	79	2.924 5411	3.644 0445	2.851 3868
25	4.232 3192	5.572 3034	3.780 5801	80	2.862 4052	3.558 9484	2.793 3083
26	4.215 8101	5.552 3725	3.770 2612	81	2.795 8862	3.469 2327	2.730 6773
27	4.199 2495	5.532 2816	3.759 9344	82	2.724 6405	3.374 5651	2.663 1070
28	4.182 6407	5.512 0237	3.749 6335	83	2.648 3083	3.274 6196	2.590 2956
29	4.165 9862	5.491 5928	3.739 3587	84	2.566 5136	3.169 0864	2.511 7497
30	4.149 2879	5.470 9791	3.729 1454	85	2.478 8643	3.057 6661	2.427 2751
31	4.132 5473	5.450 1752	3.718 9607	86	2.384 9519	2.939 5193	2.336 2596
32	4.115 7654	5.429 1723	3.708 8049	87	2.284 3518	2.814 9132	2.238 4476
33	4.098 9424	5.407 9600	3.698 7128	88	2.176 6234	2.683 0470	2.133 1875
34	4.082 0779	5.386 5275	3.688 6520	89	2.061 3098	2.544 0680	2.020 4442
35	4.065 1710	5.364 8642	3.678 6558	90	1.937 9378	2.396 1993	1.899 4922
36	4.048 2205	5.342 9574	3.668 7260	91	1.806 0182	2.240 5492	1.769 3773
37	4.031 2243	5.320 7941	3.658 8630	92	1.665 0455	2.075 5470	1.630 8345
38	4.014 1797	5.298 3596	3.649 0037	93	1.514 4980	1.903 0900	1.481 8724
39	3.997 0835	5.275 6384	3.639 2125	94	1.353 8831	1.716 0033	1.323 4584
40	3.979 9322	5.252 6152	3.629 4586	95	1.182 5116	1.518 5139	1.152 2383
41	3.962 7213	5.229 2722	3.619 7432	96	0.999 9484	1.301 0300	0.972 6656
42	3.945 4459	5.205 5887	3.610 0669	97	0.805 5621	1.079 1812	0.777 4268
43	3.928 1006	5.181 5464	3.600 3989	98	0.598 7503	0.845 0980	0.574 0313
44	3.910 6793	5.157 1212	3.590 7103	99	0.378 8941	0.602 0600	0.357 9348
45	3.893 1755	5.132 2885	3.581 0617	100	0.145 3586	0.301 0300	0.123 8516
46	3.875 5820	5.107 0133	3.571 3931	101	1.897 4929	..	1.886 4907
47	3.857 8908	5.081 3010	3.561 7058	102	1.634 6296	..	1.623 2493
48	3.840 0939	5.055 0839	3.551 9694	103	1.356 0854	..	1.361 7278
49	3.822 1821	5.028 3435	3.542 2140	104	1.061 1604	..	1.054 2425
50	3.804 1461	5.001 0368	3.532 4104	105	2.749 1391	..	2.602 0600
51	3.785 9758	4.973 1279	3.522 5290	106	..	..	..
52	3.767 6605	4.944 5715	3.512 5697				
53	3.749 1891	4.915 3154	3.502 5323				
54	3.730 5497	4.885 3047	3.492 3874				

TABLE P.—Showing PURE LIFE PREMIUMS for MALES by HEALTHY TABLE and by ENGLISH TABLE; also VALUES of DEPOSITS on £100 Policy at end of 10, 20, 30, 40, &c. Years.

RATE OF INTEREST 3 per Cent.

—	ANNUAL PREMIUMS.	VALUE of DEPOSIT on £100 Policy at end of Years					
		10	20	30	40	50	60
20	Healthy -	1.381	7.984	18.489	32.102	48.495	64.489
	English -	1.620	9.278	20.792	34.617	50.059	65.505
40	Healthy -	2.355	16.700	36.811	56.434	72.244	..
	English -	2.810	17.454	36.950	56.451	71.850	..
60	Healthy -	5.423	31.060	56.078	..	..	..
	English -	6.164	30.929	55.353	..	..	..

The Table may be read thus:—By the Healthy Life Table the Pure Annual Premium at Age 20 is £1.381, by the English Life Table £1.620; the Value of the Deposit on £100 Policy at the end of 10 years by the Healthy Life Table is £7.984, by the English Life Table £9.278.

## INDEX OF DISTRICTS.

[The following Index furnishes a reference to the Number of each REGISTRATION DISTRICT in the topographical arrangement adopted in the Tables of Abstracts contained in the Report, the numbers running consecutively from 1 to 623.\* The alphabetical arrangement places compound names in the order in which they are pronounced: thus, East Ashford will be found under the letter E, and *not* under A.]

*For names of Towns, such as Leamington, Torquay, &c., which are not found in this "Index of Districts," see the "Index of Sub-districts" (page 463) and "Index of certain Towns" (page 473).*

## A

Aberayron, 596.  
Abergavenny, 578 *a.*  
Aberystwith, 597.  
Abingdon, 123.  
Alcester, 405.  
Alderbury (Salisbury), 263.  
Alnwick, 559.  
Alresford, 113.  
Alston, 564.  
Alton, 114.  
Altrincham, 454.  
Alverstoke, 97.  
Amersham, 148.  
Amesbury, 262.  
Ampthill, 181.  
Andover, 118.  
Anglesey, 623.  
Ashborne, 447.  
Ashby-de-la-Zouch, 414.  
Ashton-under-Lyne, 474.  
Aston, 395.  
Atcham, 359.  
Atherstone, 397.  
Auckland, 542.  
Axbridge, 324.  
Axminster, 279.  
Aylesbury, 151.  
Aylsham, 232.  
Aysgarth, 537.

## B

Bakewell, 449.  
Bala, 616.  
Banbury, 163.  
Bangor, 621.  
Barnet, 136.  
Barnsley, 505.  
Barnstaple, 295.  
Barrow-upon-Soar, 416.  
Barton-upon-Irwell, 470.  
Basford, 438.  
Basingstoke, 116.  
Bath, 326.  
Battle, 77.

Beamister, 277.  
Bedale, 535.  
Bedford, 179.  
Bedminster, 328.  
Bedwelty, 578 *b.*  
Belford, 560.  
Bellingham, 557.  
Belper, 446.  
Berkhampstead, 147.  
Berwick, 561.  
Bethnal Green, 21.  
Beverley, 518.  
Bicester, 159.  
Bideford, 297.  
Biggleswade, 180.  
Billericay, 199.  
Billesdon, 410.  
Bingham, 443.  
Birkenhead, 460 *b.*  
Birmingham, 394.  
Bishop Stortford, 139.  
Blaby, 411.  
Blackburn, 480.  
Blandford, 270.  
Blean, 66.  
Blofield, 237.  
Blything, 225.  
Bodmin, 304.  
Bolton, 468.  
Bootle, 572.  
Bosmere, 220.  
Boston, 425.  
Bourn, 422.  
Brackley, 164.  
Bradfield, 126.  
Bradford-on-Avon, 258.  
Bradford (Yorkshire), 499.  
Braintree, 208.  
Bramley, 500 *d.*  
Brampton, 566.  
Brecknock, 600.  
Brentford, 134.  
Bridge, 64.  
Bridgend, 583.  
Bridgnorth, 356.  
Bridgwater, 316.  
Bridlington, 524.  
Bridport, 278.  
Brighton, 85.  
Bristol, 329.  
Brixworth, 170.  
Bromley, 49.

## C

Bromsgrove, 392.  
Bromyard, 350.  
Buckingham, 154.  
Builth, 599.  
Burnley, 478.  
Burton-upon-Trent, 375.  
Bury, 469.  
Bury St. Edmunds, 215.  
  
Caistor, 432.  
Calne, 254.  
Camberwell, 33.  
Cambridge, 187.  
Camelford, 300.  
Canterbury, 65.  
Cardiff, 581 *a.*  
Cardigan, 593.  
Carlisle, 568.  
Carmarthen, 589.  
Carnarvon, 620.  
Castle Ward, 554.  
Catherington, 111.  
Caxton, 185.  
Chapel-en-le-Frith, 450.  
Chard, 318.  
Cheadle, 373.  
Chelmsford, 200.  
Chelsea, 2.  
Cheltenham, 344.  
Chepstow, 576.  
Chertsey, 38.  
Chester, 459.  
Chesterfield, 448.  
Chester-le-Street, 548.  
Chersterton, 186.  
Chichester, 92.  
Chippenham, 253.  
Chipping Norton, 162.  
Chipping Sodbury, 331.  
Chorley, 481.  
Chorlton, 471.  
Christchurh, 101.  
Church Stretton, 354.  
Cirencester, 340.  
Cleobury Mortimer, 355.  
Clifton, 330.  
Clitheroe, 479.

\* Thus, the number of Marriages in the Aberayron District may at once be ascertained by referring to the "Abstract of Marriages," District number 596 (see page 24); and the numbers of Births and Deaths, of Deaths at different Ages, &c. will be found by referring to the same district number in the appropriate Tables.

Clun, 353.  
Clutton, 325.  
Cockermouth, 570.  
Colchester, 204.  
Congleton, 457.  
Conway, 622.  
Cookham, 129.  
Corwen, 615.  
Cosford, 213.  
Coventry, 400.  
Cranbrook, 60.  
Creditor, 292.  
Crickhowell, 601.  
Cricklade, 251.  
Croydon, 46.  
Cuckfield, 83.

**D**

Darlington, 540.  
Dartford, 50.  
Daventry, 169.  
Depwade, 239.  
Derby, 445.  
Devizes, 256.  
Dewsbury, 502.  
Docking, 244.  
Dolgelly, 617.  
Doncaster, 510.  
Dorchester, 275.  
Dorking, 43.  
Dover, 72.  
Downham, 247.  
Driffield, 523.  
Droitwich, 391.  
Droxford, 110.  
Dudley, 382.  
Dulverton, 313 b.  
Dunmow, 209.  
Durham, 545.  
Dursley, 333.

**E**

Easington, 546.  
Easingwold, 527.  
East Ashford, 63.  
Eastbourne, 78.  
East Grinstead, 82.  
Easthamstead, 130.  
East Preston(Worthing), 90.  
East Retford, 435.  
Eastry, 71.  
East Stonehouse, 288.  
East Ward, 573.  
Ecclesall Bierlow, 507.  
Edmonton, 137.  
Elham, 73.  
Ellesmere, 362.  
Ely, 190.  
Epping, 195.  
Epsom, 37.  
Erpingham, 231.  
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## INDEX OF SUB-DISTRICTS.

This alphabetical arrangement places the Registration Sub-Districts (or Registrars' Districts) having compound names in the order indicated by the usual pronunciation of those names; thus, East Grinstead will be found under the letter E, and not under G; St. James under the letter S, and not as "James, St." The number against each Sub-District, in the third column, refers to its numerical place in the Tables of Abstracts; thus, Abbey Holme (569; 2) is the 2d Sub-District of the Wigton District, No. 569.]

SUB-DISTRICT.	DISTRICT.	No.	SUB-DISTRICT.	DISTRICT.	No.	SUB-DISTRICT.	DISTRICT.	No.
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Abbey . . .	Bath . . .	326; 3	Ardleigh . . .	Tendring . . .	203; 5	Baschurch . . .	Ellesmere . . .	362; 4
Abbey Holme . . .	Wigton . . .	569; 2	Ardwick . . .	Wakefield . . .	503; 7	Basford . . .	Basford . . .	438; 3
Abbots Bromley . . .	Uttexeter . . .	374; 2	Arholme . . .	Charlton . . .	471; 2	Basingstoke . . .	Basingstoke . . .	116; 1
Abbotsbury . . .	Weymouth . . .	274; 4	Arncliffe . . .	Lunesdale . . .	485b; 4	Bassingham . . .	Newark . . .	442; 2
Abbots Langley . . .	Watford . . .	145; 4	Artillery . . .	Settle . . .	488; 5	Batheaston . . .	Bath . . .	326; 7
Aberdare . . .	Merthyr Tydfil . . .	582; 4	Arundel . . .	Arnold . . .	488; 5	Bathwick . . .	Bath . . .	326; 2
Aberdaron . . .	Pwllheli . . .	619; 3	East Preston . . .	Whitechapel . . .	22; 1	Batley . . .	Dewsbury . . .	502; 2
Aberford . . .	Tadcaster . . .	514; 1	Ford . . .	Arundel . . .	90; 3	Battersea . . .	Wandsworth . . .	32; 2
Abergavenny . . .	Ubergavenny . . .	578a; 3	(Worthing) . . .	(Worthing) . . .		Battle . . .	Battle . . .	77; 3
Abergavenny . . .	St. Asaph . . .	613; 2	Ashborne . . .	Ashborne . . .	447; 3	Battlefield . . .	Atcham . . .	359; 6
Abergavenny . . .	Builth . . .	599; 1	Ashburton . . .	Newton Abbot . . .	283; 4	Bawdeswell . . .	Mitford . . .	242; 3
Abergavenny . . .	Bedwelty . . .	578a; 1	Ashby-de-la-Zouch . . .	Ashby-de-la-Zouch . . .	414; 3	Bawtry . . .	Doncaster . . .	510; 5
Aberystwith . . .	Aberystwith . . .	597; 2	Zouch . . .	Zouch . . .		Beaconsfield . . .	Amersham . . .	148; 5
Abingdon . . .	Abingdon . . .	123; 2	West Ashford . . .	West Ashford . . .	62; 2	Beaminster . . .	Beaminster . . .	277; 4
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Accrington . . .	Haslingden . . .	477; 5	Chesterfield . . .	Chesterfield . . .	448; 1	Beccles . . .	Wangford . . .	226; 2
Acton . . .	Brentford . . .	134; 5	Kerfield . . .	Wigan . . .	465; 7	Beckley . . .	Rye . . .	75; 2
Addingham . . .	Skipton . . .	489; 6	Ashton Town . . .	Ashton-under-Lyne . . .	474; 2	Bedale . . .	Bedale . . .	535; 1
Alberbury . . .	Atcham . . .	359; 4	Askrigg . . .	Askrigg . . .	537; 1	Bedford . . .	Bedford . . .	179; 6
Albrighton . . .	Shifnal . . .	357; 1	Aslackby . . .	Bourn . . .	422; 2	Cardington . . .	Cardington . . .	
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Blandford.	Blandford.	270; 2	widger.			Carburton.	Worksop.	436; 4
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Borough Road.	St. Saviour Southwark.	26; 4	Budbrooke.	Warwick.	403; 1	Castleton Within.	Rochdale.	476; 4
Boscastle.	Camelford.	300; 1	Budworth.	Runcorn.	455; 1	Castleton Without.	Rochdale.	476; 3
Boston.	Boston.	425; 4	Bulith.	Northampton.	168; 3	Caton.	Lunesdale.	485a; 1
Boston.	Wetherby.	492c; 2	Bulmer.	Bulmer.	599; 3	Catterick.	Richmond (Yrks.).	539; 2
Botesdale.	Hartismere.	218; 2	Bulmer.	Sudbury.	526; 5	Cave.	Beverley.	518; 1
Bottisham.	Newmarket.	189; 3	Bulwell.	Basford.	212; 1	Cavendish-sq.	Marylebone.	7; 2
Boughton.	Faversham.	67; 1	Bunbury.	Nantwich.	458; 3	Cawthorne.	Wortley.	506; 1
Bourn.	Bourn.	422; 3	Bungay.	Wangford.	226; 1	Caxton.	Caxton.	185; 1
Bourton-on-the-Water.	Wold.	342; 1	Buntingford.	Royston.	140; 1	Cerne.	Dorchester.	275; 4
Bow.	Crediton.	292; 2	Burbage.	Hinckley.	412; 1	Chadderton.	Oldham.	475; 3
Bow.	Poplar.	25; 1	Bures.	Hinckley.	212; 2	Chadesley.	Kidderminster.	384; 1
Bowling.	Bradford (Yrks.).	499; 4	Burford.	Corbett.		Corbett.	Okehampton.	291; 4
Boxgrove.	Westhampnett.	91; 4	Burgh.	Chagford.		Chagford.	Leeds.	501; 5
Brabourne.	East Ashford.	63; 2	Burghill.	Carlisle.		Chalkeley.	Lewes.	84; 2
Brackley.	Brackley.	164; 1	Burgh-le-Marsh.	Hereford.		Chalkeley.	Amersham.	148; 4
Bracknell.	Easthampstead.	130; 1	Burnham.	Axbridge.		Chapel-en-le-Frith.	Spilsby.	430; 4
Bradfield.	Wortley.	506; 6	Burnham.	Docking.		Chapel-en-le-Frith.	Chapel-en-le-Frith.	450; 2
Bradford Abbas.	Sherborne.	276; 3	Burnham.	Chapeltown.		Chapeltown.	Leeds.	501; 5
Bradford East-End.	Bradford (Yrks.).	499; 5	Burslem.	Charing Cross.		Chard.	Chard.	318; 3
Bradford North-Western.	Burton Bradstock.	258; 2	Burton.	Chardstock.		Charlton.	Charlton.	375; 4
Bradford South-Eastern.	Burton-upon-Trent.	258; 1	Burton-upon-Trent.	Charlton Kings.		Charlton.	Charlton.	344; 1
Bradford West-End.	Bury St. Edmunds.	499; 6	Bury St. Edmunds.	Chartham.		Charlton.	Cheltenham.	64; 1
Bradley.	Westbury.	259; 1	Bushey.	Chatteris.		Cheltenham.	Bridge.	191; 1
Bradwell.	Maldon.	202; 2	Butterworth.	Rochdale.		Chichester.	North Witchford.	191; 1
Bradworthy.	Bideford.	297; 5	Butterworth.	Rochdale.		Chichester.	North Witchford.	191; 1
Brafield.	Hardingstone.	167; 1	Lordshipside.	Rochdale.		Chichester.	Northleach.	341; 2
Braiford.	Ashborne.	447; 1	Buxton.	Aylsham.		Chichester.	Manchester.	473; 7
Braintree.	Braintree.	208; 3	Buxton.	Chapel-en-le-Frith.		Chichester.	Chelmsford.	200; 2
Bramley.	Basingstoke.	116; 2	Byker.	Newcastle-upon-Tyne.		Chichester.	Chelmsford.	200; 2
Bramley.	Bramley.	500d; 1	Byker.	Newcastle-upon-Tyne.		Chichester.	Chelsea.	2; 3
Brampton.	Brampton.	566; 2	Skirraugh.	Nottingham.	440; 4	Chelsea.	Chelsea.	2; 2
Brandsburton.	Brandsburton.	522; 5	Byron.	Nottingham.	440; 4	Chelsea.	Chelsea.	2; 2
Brassington.	Ashborne.	447; 6	Bywell.	Hexham.	555; 1	Chelsea.	Chelsea.	2; 2
Bratton Clovelly.	Okehampton.	291; 1				Chelsea.	Chelsea.	2; 2
Braughton.	Bishop Stortford.	139; 4				Chelsea.	Chelsea.	2; 1
Braunton.	Barnstaple.	295; 5				Cheltenham.	Cheltenham.	344; 2
Bray.	Cookham.	129; 1				Cheltenham.	Cheltenham.	576; 2
Breage.	Helston.	309; 4				Cheltenham.	Cheltenham.	576; 2
Brecknock.	Brecknock.	600; 3				Cheltenham.	Cheltenham.	576; 2
Brenchley.	Tunbridge.	57; 3				Cheltenham.	Cheltenham.	576; 2
Brentford.	Brentford.	134; 3				Cheltenham.	Cheltenham.	576; 2
Brentwood.	Billericay.	199; 1				Cheltenham.	Cheltenham.	576; 2
Bretton.	Wakefield.	503; 1				Cheltenham.	Cheltenham.	576; 2
Brewood.	Penkridge.	378; 2				Cheltenham.	Cheltenham.	576; 2
Bridgend.	Bridgend.	583; 3				Cheltenham.	Cheltenham.	576; 2
Bridlington.	Bridlington.	524; 2				Cheltenham.	Cheltenham.	576; 2
Bridgnorth.	Bridgnorth.	356; 2				Cheltenham.	Cheltenham.	576; 2
Bridgewater.	Bridgewater.	316; 4				Cheltenham.	Cheltenham.	576; 2
Bridgwater.	Bridgwater.	278; 2				Cheltenham.	Cheltenham.	576; 2
Bridport.	Bridport.	278; 2				Cheltenham.	Cheltenham.	576; 2
Brigg.	Glanford Brigg.	433; 1				Cheltenham.	Cheltenham.	576; 2
Brigouse.	Halifax.	498; 2				Cheltenham.	Cheltenham.	576; 2
Brightside.	Sheffield.	508; 5				Cheltenham.	Cheltenham.	576; 2
Brill.	Thame.	156; 3				Cheltenham.	Cheltenham.	576; 2
Brilley.	Kington.	603a; 1				Cheltenham.	Cheltenham.	576; 2
Brindle.	Chorley.	481; 1				Cheltenham.	Cheltenham.	576; 2
Britford.	Alderbury.	263; 3				Cheltenham.	Cheltenham.	576; 2
Brixham.	Totnes.	284; 2				Cheltenham.	Cheltenham.	576; 2
Brixton.	Lambeth.	31; 7				Cheltenham.	Cheltenham.	576; 2
Brixworth.	Brixworth.	170; 3				Cheltenham.	Cheltenham.	576; 2

## C

SUB-DISTRICT.	DISTRICT.	No.	SUB-DISTRICT.	DISTRICT.	No.	SUB-DISTRICT.	DISTRICT.	No.	SUB-DISTRICT.	DISTRICT.	No.
Cholsey.	.	.	Wallingford.	.	125; 1	Cricklade.	.	251; 2	Dulwich.	.	Camberwell.
Chorley.	.	.	Chorley.	.	481; 4	Cripplegate.	.	19; 2	Dummer.	.	Basingstoke.
Chorlton-upon-Medlock.	.	.	Chorlton.	.	471; 3	Cromer.	.	231; 2	Dunchurch.	.	Rugby.
Christchurch.	.	.	Christchurch.	.	101; 1	Crompton.	.	475; 6	Dunmow.	.	Dunmow.
Christchurch.	.	.	Christchurch.	.	19; 6	Banbury.	.	163; 3	Dunnington.	.	York.
Christchurch.	.	.	Christchurch.</td								

SUB-DISTRICT.	DISTRICT.	No.
Failsworth	Manchester	473; 8
Fairford	Cirencester	340; 3
Fakenham	Walsingham	243; 1
Falmouth	Falmouth	303; 2
Fareham	Fareham	98; 1
Faringdon	Faringdon	122; 2
Farnborough	Hartley Wintney	118; 2
Farnham	Farnham	40; 2
Farningham	Dartford	50; 3
Farnworth	Bolton	463; 1
Farnworth	Prescot	463; 4
Faversham	Faversham	67; 2
Fawley	New Forest	104; 2
Fazeley	Tamworth	376; 2
Feckenham	Alcester	405; 3
Fenny Stratford	Newport Pagnell	153; 1
Fenton	Stone-upon-Trent	371; 4
Fernhurst	Midhurst	98; 2
Ferraby	Sculcoates	519; 3
Festiniog	Festiniog	618; 2
Fewston	Wharfedale	493; 3
Filey	Scarborough	525; 1
Fincham	Downham	247; 3
Finchingfield	Brantree	208; 1
Finchley	Barnet	136; 3
Finsbury	Holborn	14; 11
Fishguard	Haverfordwest	592; 4
Flamstead	Hemel Hempstead	146; 3
Flaxton	York	515; 7
Flint	Holywell	610; 3
Foleshill	Foleshill	399; 1
Folkestone	Elham	73; 1
Fontmell	Shaftesbury	268; 2
Ford	Glendale	562; 1
Fordham	Lexden	205; 4
Fordingbridge	Fordingbridge	103; 1
Formby	Ormskirk	464; 4
Fornett	Depwade	239; 4
Fornham	Thingoe	214; 2
Foston	Driffield	523; 1
Fotheringhay	Oundle	174; 3
Fowey	St. Austell	306; 1
Fownhope	Hereford	348; 2
Framfield	Uckfield	81; 2
Framlingham	Plomesgate	24; 2
Frampton	Wheathehurst	337; 1
Frant	Ticehurst	80; 5
Frimley	Farnham	40; 1
Frodsham	Runcorn	455; 4
Frome	Frome	321; 2
Fulbourn	Chesterton	186; 2
Fulham	Kensington	1; 7
Funtington	Westbourne	94; 1
Fyfield	Abingdon	123; 1

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SUB-DISTRICT.	DISTRICT.	No.
Goole	Goole	512; 2
Gorleston	Mutford	227; 3
Gosberton	Spalding	423; 1
Goswell Street	Holborn	14; 7
Gower Eastern	Gower	585; 1
Gower Western	St. Austell	306; 4
Grampound	Grantham	427; 3
Fareham	Fareham	98; 1
Faringdon	Faringdon	122; 2
Farnborough	Hartley Wintney	118; 2
Farnham	Farnham	40; 2
Farningham	Dartford	50; 3
Farnworth	Bolton	463; 1
Farnworth	Prescot	463; 4
Faversham	Faversham	67; 2
Fawley	New Forest	104; 2
Fazeley	Tamworth	376; 2
Feckenham	Alcester	405; 3
Fenny Stratford	Newport Pagnell	153; 1
Fenton	Stone-upon-Trent	371; 4
Fernhurst	Midhurst	98; 2
Ferraby	Sculcoates	519; 3
Festiniog	Festiniog	618; 2
Fewston	Wharfedale	493; 3
Filey	Scarborough	525; 1
Fincham	Downham	247; 3
Finchingfield	Brantree	208; 1
Finchley	Barnet	136; 3
Finsbury	Holborn	14; 11
Fishguard	Haverfordwest	592; 4
Flamstead	Hemel Hempstead	146; 3
Flaxton	York	515; 7
Flint	Holywell	610; 3
Foleshill	Foleshill	399; 1
Folkestone	Elham	73; 1
Fontmell	Shaftesbury	268; 2
Ford	Glendale	562; 1
Fordham	Lexden	205; 4
Fordingbridge	Fordingbridge	103; 1
Formby	Ormskirk	464; 4
Fornett	Depwade	239; 4
Fornham	Thingoe	214; 2
Foston	Driffield	523; 1
Fotheringhay	Oundle	174; 3
Fowey	St. Austell	306; 1
Fownhope	Hereford	348; 2
Framfield	Uckfield	81; 2
Framlingham	Plomesgate	24; 2
Frampton	Wheathehurst	337; 1
Frant	Ticehurst	80; 5
Frimley	Farnham	40; 1
Frodsham	Runcorn	455; 4
Frome	Frome	321; 2
Fulbourn	Chesterton	186; 2
Fulham	Kensington	1; 7
Funtington	Westbourne	94; 1
Fyfield	Abingdon	123; 1

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G		
Gainsborough	Gainsborough	434; 4
Gargrave	Skipton	489; 2
Garsdale	Sedbergh	487; 2
Garstang	Garstang	484; 3
Gateshead	Gateshead	551; 2
Gawsworth	Macclesfield	453; 7
Gayton	Freebridge Lynn	245; 2
Gazeley	Newmarket	189; 4
Gedney Hill	Holbeach	424; 1
Gelligaer	Merthyr Tydfil	582; 1
Genevyllynn	Aberystwith	597; 3
Gildersome	Bramley	500d; 2
Gillingham	Medway	54; 2
Gillingham	Shaftesbury	268; 3
Gisburn	Clitheroe	479; 1
Glastonbury	Wells	323; 2
Glossop	Hayfield	451; 1
Gnosall	Newport (Salop)	366; 2
Godalming	Guildford	39; 5
Godshill	Isle of Wight	99; 4
Godstone	Godstone	45; 1
Golcar	Huddersfield	497; 11
Golden Square	Westminster	6; 2
Gomersal	Dewsbury	502; 3
Goodman's-fields	Whitechapel	22; 6

SUB-DISTRICT.	DISTRICT.	No.
Goole	Goole	512; 2
Gorleston	Mutford	227; 3
Gosberton	Spalding	423; 1
Goswell Street	Holborn	14; 7
Gower Eastern	Gower	585; 1
Gower Western	St. Austell	306; 4
Grampound	Grantham	427; 3
Fareham	Fareham	98; 1
Faringdon	Faringdon	122; 2
Farnborough	Hartley Wintney	118; 2
Farnham	Farnham	40; 2
Farningham	Dartford	50; 3
Farnworth	Bolton	463; 1
Farnworth	Prescot	463; 4
Faversham	Faversham	67; 2
Fawley	New Forest	104; 2
Fazeley	Tamworth	376; 2
Feckenham	Alcester	405; 3
Fenny Stratford	Newport Pagnell	153; 1
Fenton	Stone-upon-Trent	371; 4
Fernhurst	Midhurst	98; 2
Ferraby	Sculcoates	519; 3
Festiniog	Festiniog	618; 2
Fewston	Wharfedale	493; 3
Filey	Scarborough	525; 1
Fincham	Downham	247; 3
Finchingfield	Brantree	208; 1
Finchley	Barnet	136; 3
Finsbury	Holborn	14; 11
Fishguard	Haverfordwest	592; 4
Flamstead	Hemel Hempstead	146; 3
Flaxton	York	515; 7
Flint	Holywell	610; 3
Foleshill	Foleshill	399; 1
Folkestone	Elham	73; 1
Fontmell	Shaftesbury	268; 2
Ford	Glendale	562; 1
Fordham	Lexden	205; 4
Fordingbridge	Fordingbridge	103; 1
Formby	Ormskirk	464; 4
Fornett	Depwade	239; 4
Fornham	Thingoe	214; 2
Foston	Driffield	523; 1
Fotheringhay	Oundle	174; 3
Fowey	St. Austell	306; 1
Fownhope	Hereford	348; 2
Framfield	Uckfield	81; 2
Framlingham	Plomesgate	24; 2
Frampton	Wheathehurst	337; 1
Frant	Ticehurst	80; 5
Frimley	Farnham	40; 1
Frodsham	Runcorn	455; 4
Frome	Frome	321; 2
Fulbourn	Chesterton	186; 2
Fulham	Kensington	1; 7
Funtington	Westbourne	94; 1
Fyfield	Abingdon	123; 1

SUB-DISTRICT.	DISTRICT.	No.
Goole	Goole	512; 2
Gorleston	Mutford	227; 3
Gosberton	Spalding	423; 1
Goswell Street	Holborn	14; 7
Gower Eastern	Gower	585; 1
Gower Western	St. Austell	306; 4
Grampound	Grantham	427; 3
Fareham	Fareham	98; 1
Faringdon	Faringdon	122; 2
Farnborough	Hartley Wintney	118; 2
Farnham	Farnham	40; 2
Farningham	Dartford	50; 3
Farnworth	Bolton	463; 1
Farnworth	Prescot	463; 4
Faversham	Faversham	67; 2
Fawley	New Forest	104; 2
Fazeley	Tamworth	376; 2
Feckenham	Alcester	4

## INDEX OF SUB-DISTRICTS.

SUB-DISTRICT.	DISTRICT.	No.	SUB-DISTRICT.	DISTRICT.	No.	SUB-DISTRICT.	DISTRICT.	No.
Llanidam . . .	Carnarvon . . .	620; 4	Maltby . . .	Rotherham . . .	509; 5	Monmouth . . .	Monmouth . . .	577; 3
Llanllechid . . .	Bangor . . .	621; 3	Malton . . .	Malton . . .	526; 3	Montford . . .	Atcham . . .	359; 5
Llannon . . .	Llanelli . . .	586; 4	Mancroft . . .	Norwich . . .	234; 4	Montgomery . . .	Forden (Montgomery).	608; 1
Llanrhaidadr . . .	Llanfyllin . . .	609; 3	Manhood . . .	Westhampnett . . .	91; 1	Morchard Bishop . . .	Crediton . . .	292; 1
Llanrhaidadr . . .	Ruthin . . .	612; 5	Manningtree . . .	Tendring . . .	203; 4	Moreson-on-Stour . . .	Shipston-on-Stour . . .	406; 2
Llanrhystyd . . .	Aberystwith . . .	597; 1	Mansfield . . .	Mansfield . . .	437; 5	North Shields . . .	Newton Abbot . . .	283; 3
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Llansaintffraid . . .	Aberayron . . .	596; 2	Maresfield . . .	Uckfield . . .	81; 4	Moretion Say . . .	Stoke Damerel . . .	289; 3
Llansaintffraid . . .	Llanfyllin . . .	609; 2	Margam . . .	Neath . . .	584; 1	Morland . . .	West Ward . . .	574; 1
Llansamlet . . .	Neath . . .	584; 6	Margate . . .	Thanet . . .	70; 2	Dewsbury . . .	Morle . . .	502; 1
Llanwilin . . .	Oswestry . . .	361; 2	Market Bosworth . . .	Market Bosworth . . .	413; 1	Morpeth . . .	Morpeth . . .	558; 1
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Llanvihangel . . .	Abergavenny . . .	578a; 2	Market Harborough . . .	Market Harborough . . .	409; 1	Mortlake . . .	Richmond (Surr.) . . .	48; 2
Llanwenog . . .	Lampeter . . .	595; 4	Market Rasen . . .	Caistor . . .	432; 3	Mottram . . .	Mottram . . .	474; 8
Llanwrog . . .	Newtown . . .	607; 3	Market Street . . .	Manchester . . .	473; 4	Moulton . . .	Brixworth . . .	170; 2
Llanwrtyd . . .	Llandovery . . .	587; 7	Market Weighton . . .	Pocklington . . .	516; 3	Moulton . . .	Spalding . . .	423; 5
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Lockington . . .	Beverley . . .	518; 3	Marshfield . . .	Chipping Sodbury . . .	331; 2	Much Woolton . . .	Prescot . . .	463; 2
Lockton . . .	Pickering . . .	530; 5	Marske . . .	Guisbrough . . .	532; 2	Muncaster . . .	Reeth . . .	538; 1
Loddon . . .	Huddersfield . . .	497; 10	Martley . . .	Martley . . .	386; 1	Bootle . . .	Bootle . . .	572; 1
Lofthouse . . .	Loddon . . .	238; 2	Martock . . .	Martock . . .	319; 3	Munslow . . .	Ludlow . . .	352; 4
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Long Ashton . . .	Bedminster . . .	328; 2	Mattishall . . .	Mitford . . .	242; 2	Mayfair . . .	St. George . . .	3; 2
Longbenton . . .	Tynemouth . . .	553; 4	Mayfield . . .	Hanover-sq. . .	447; 2	Mayfield . . .	Ashborne . . .	447; 2
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Long Buckby . . .	Leek . . .	372; 4	Melbourne . . .	Shardlow . . .	444; 2	Melbourne . . .	Nantwich . . .	458; 2
Longnor . . .	Andover . . .	118; 1	Melford . . .	Sudbury . . .	212; 4	Melford . . .	Narberth . . .	590; 4
Longparish . . .	Settle . . .	488; 3	Melksham . . .	Melksham . . .	257; 1	Melksham . . .	Neath . . .	584; 2
Long Preston . . .	Holbeach . . .	424; 2	Mellor . . .	Blackburn . . .	480; 3	Mellor . . .	Needham-Market . . .	220; 2
Long Sutton . . .	Preston . . .	482; 1	Meltham . . .	Huddersfield . . .	497; 2	Meltham . . .	Neston . . .	460a; 1
Longton . . .	Stoke-upon-Trent . . .	371; 5	Maidstone . . .	Melton Mowbray . . .	418; 2	Maidstone . . .	Netheravon . . .	261; 1
Looe . . .	Liskeard . . .	303; 3	Melton Mowbray . . .	Hartismere . . .	218; 1	Mere . . .	Netherbury . . .	267; 1
Loose . . .	Loughborough . . .	58; 3	Mendlesham . . .	Melton Mowbray . . .	218; 1	Mere . . .	Nether Hallam . . .	396; 2
Loughborough . . .	Loughborough . . .	415; 1	Mendlesham . . .	Melton Mowbray . . .	218; 1	Meriden . . .	Ecclesall Bierlow . . .	507; 1
Loughor . . .	Llanelli . . .	586; 1	Meres . . .	Meriden . . .	396; 2	Meriden . . .	Ecclesall Bierlow . . .	507; 1
Louth . . .	Louth . . .	431; 2	Merthyr-Cynog . . .	Brecknock . . .	600; 1	Methwold . . .	Nevin . . .	619; 4
Lower Llanidloes . . .	Newtown . . .	607; 2	Methwold . . .	Theftord . . .	249; 1	Methwold . . .	Newark . . .	442; 3
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Lower Mitton . . .	Kidderminster . . .	384; 4	Michelmersh . . .	Romsey . . .	107; 2	Michelmersh . . .	Newcastle-under-Lyme . . .	369; 2
Lowestoft . . .	Mitford . . .	227; 2	Mickleigate . . .	York . . .	515; 3	Mickleigate . . .	Newchurch . . .	477; 1
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Yarmouth.	Yarmouth.	228; 1
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Woodstock.	Yetminster.	276; 1
Loddon.	Yoxall.	377; 2
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Bedworth.	Ulverston.	Dalton.	486; 4	
Blackpool.	Foleshill.	Fylde.	399; 1	
Bognor.	Poulton-le-Fylde.	Poulton-le-Fylde.	483; 3	
Brandon.	Westhampnett.	South Bersted.	91; 3	
Brandon.	Thetford.	Methwold.	249; 1	
Chatham.	Medway.	Rochester and Gillingham.	54; 1, 2	
Church (Lanc.).	Blackburn.	Oswaldtwistle.	480; 5	
Claycross.	Chesterfield.	Ashover.	448; 1	
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Guiseley.	Wharfedale.	Yeadon.	493b; 1	
Heckmondwike.	Dewsbury.	Liversedge.	502; 4	
Hounslow.	Brentford.	Isleworth.	134; 1	
Ironbridge.	Madeley.	Madeley.	358; 2	
Llandudno.	Conway.	Creuddyn.	622; 2	
Llanidloes.	Newtown.	Llanidloes, Upper and Lower.	607; 1, 2	
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Sheerness.	Alcester.	Studley.	405; 1	
Sidmouth.	Easington.	Easington.	546; 1	
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Staveley.	Blything.	Wenaston.	225; 3	
Tyldesley.	Ashton-under-Lyne.	Dukinfield and Hartshead.	474; 6, 7	
Ventnor.	Chesterfield.	Eckington.	448; 4	
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