[Report 1964] / Medical Officer of Health, Raunds U.D.C.

Contributors

Raunds (England). Urban District Council.

Publication/Creation

1964

Persistent URL

https://wellcomecollection.org/works/xfr9vc26

License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution license.

This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.

Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
https://wellcomecollection.org

RAUNDS URBAN DISTRICT COUNCIL

Library.

MINISTRY OF HEALTH LIBRARY

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

A. McINNES, M.B., D.P.H.

1964

RAUNDS URBAN DISTRICT COUNCIL

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

A. McINNES, M.B., D.P.H.

1964

Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

https://archive.org/details/b3002996x

RAUNDS URBAN DISTRICT

Chairman, 1964: E.C. Knight, Esq.

Clerk B.M. Killick

Public Health Officers

Medical Officer of Health: A. McInnes, M.B., D.P.H.

Public Health Inspector and Surveyor G. Whittam, F.I.A.S., M.R.S.I.

Area of District: 6,483 acres

Population: 4,680

- - - - - - - - - - - - - -

PARTICULARS of Separate Dwellings, Population, Rateable Value and Product of 1d Rate

	Dwellings	Population	Rateable Value £	Penny Rate £. s. d
1958	1,621	4,650	35,572	136. 6. 0.2
1959 ...	1,615	4,680	39,693	139. 12. 3.9
1960 ...	1,637	4,670	40,305	157. 8. 3.77
1961 ...	1,650	4,570	40,886	161. 1. 6.42
1962 ...	1,669	4,610	41,524	162. 8. 8.99
1963 ...	1,681	4,620	116,629	164. 15. 5.16
1964 ...	1,699	4,680	120,553	471. 12. 6.26

- - - - - - - - -

In 1874 Raunds: Rateable Value £7738 Gross Value £9232
Stanwick: " " £3800 " " £4514

Census Returns

	Population		No. of Houses	No. per House
1901	3,811	Raunds	847	4.5
1911	3,874	Raunds	850	4.5
1921	3,761	Raunds	920	4.08
1931	3,687	Raunds	1,012	3.65
1941	5,392	Raunds and Stanwick	1,395	3.86
1951	4,579	Raunds and Stanwick	1,512	3.02
1961	4,570	Raunds and Stanwick	1,650	2.77

Population

	Raunds	Stanwick
1801	800	332
1831	1,370	503
1841	1,653	577
1851	1,873	609
1861	2,337	669
1877	2,580	678

-:-

RALEIGH URBAN DISTRICT

Chairman, 1964: S.C. Knight, Esq.

Clerk: B.M. Killick

Public Health Officers

Medical Officer of Health: A. McInnes, M.D., D.P.H.

Public Health Inspector and Surveyor: G. Whittam, F.I.A.S., M.R.S.I.

Area of District: 6,483 acres

Population: 4,680

- - - - - - - - - - - -

PARTICULARS of Separate Dwellings, Population, Rateable Value and Product of 1d Rate

	Dwellings	Population	Rateable Value £	Penny Rate £. s. d
1958	... 1,621	4,690	35,572	136. 6. 0.2
1959	... 1,615	4,680	39,693	139. 12. 3.9
1960	... 1,637	4,670	40,305	157. 8. 3.77
1961	... 1,650	4,570	40,886	161. 1. 6.42
1962	... 1,669	4,610	41,524	162. 8. 8.99
1963	... 1,681	4,680	116,029	164. 15. 5.16
1964	... 1,699	4,620	120,553	171. 12. 6.26

- - - - - - - - -

In 1874 Hamuda Rateable Value £7738 Gross Value £9232
Stanwick: " " £3800 " " £2514

Census Return

		Population	No. of Houses	No. per House
1901	... ...	3,811	817	4.5
1911	... ...	3,714	850	4.5
1921	... ...	3,761	920	4.08
1931	... ...	3,587	1,012	3.65
1941	... ...	(3,392 Hamuda	1,395	3.86
1951	... ...	(4,579 and	1,512	3.02
1961	... ...	(4,570 Stanwick	1,650	2.77

Population

	Hamuda	Stanwick
1801	 800	332
1831	 1,370	503
1841	 1,653	577
1851	 1,873	609
1861	 2,337	669
1871	 2,580	678

-|-|-|

Mr. Chairman,

The Registrar General gives the mid-year 1964 population as 4,680. At the consus of 1961 the population was 4,595, made up as:-

	Males	Females
Total	2198	2397
0 - 4 years	156	147
4 - 15 "	331	322
15 - 45 "	814	796
44 - 65 "	644	718
65 and over	253	414

Age Groups

The tables below give a further dissection of population of comparative districts. A whole is certainly the sum of its parts, but the parts can be very dis-similar. England and Wales are made up of very dis-similar counties and counties are made up of very dis-similar sanitary authorities. The four periods of life that demand most from sanitary authorities and county authorities are -

(a) 0 - 4 years as infants
(b) 5 - 14 " compulsory school age
(c) 15 - 44 " females - child bearing age
(d) 65 and over retired up to senility

The remainder, if not personally disabled, can look after themselves and are the workers and the maintainers of the society. Consideration of the numbers in each group can give a reasonable picture of the background of a community.

Numbers per 1,000 total population by sex and age periods

	Age	0-4	5-14	15-24	25-44	45-65	Over 65
Northampton Administrative County Population 292,584	M	42	82	65	133	123	49
	F	40	78	62	129	126	71
A - Infants B - School Age C - Workers D - Retired Total ...		A 82	B 160		C 638		D 120
County Borough of Northampton Population 105,421	M	38	74	62	125	127	52
	F	35	72	65	124	138	87
Total ...		73	146		641		139
Raunds Urban District Population 4,595	M	34	72	65	112	140	55
	F	32	70	61	112	156	90
Total ...		66	142		646		145
Oundle & Thrapston Rural District Population 18,112	M	42	81	85	134	118	51
	F	37	81	65	118	113	73
Total ...		79	162		633		124

Mr. Chairman,

The Registrar General gives the mid-year 1964 population as 4,680. At the census of 1961 the population was 4,595, made up as:-

	Males	Females
Total	2198	2397
0 - 4 years	156	147
4 - 15 "	331	322
15 - 45 "	814	796
44 - 65 "	644	718
65 and over	253	414

Age Groups

The tables below give a further dissection of population of comparative districts. A whole is certainly the sum of its parts, but the parts can be very dis-similar. Regional and Males are made up of very dis-similar counties and counties are made up of very dis-similar municipal authorities. The four periods of life that demand most from municipal authorities and county authorities are -

(a) 0 - 4 years as infants
(b) 5 - 14 " compulsory school age
(c) 15 - 44 " Females - child bearing age
(d) 65 and over retired up to mobility

The remainder, if not personally disabled, can look after themselves and are the workers and the maintainers of the society. Consideration of the numbers in each group can give a reasonable picture of the background of a community.

Numbers per 1,000 total population by sex and age periods

		Age 0-4	5-14	15-24	25-44	45-65	Over 65
Northampton Administrative County Population 292,984	M	42	82	65	133	123	49
	F	40	78	62	129	126	71
A - Infants B - School Age		A	B	C			D
C - Workers D - Retired Total ...		82	160	638			12
County Borough of Northampton Population 105,424	M	38	74	62	125	127	5
	F	35	72	65	124	136	8
Total ...		73	146	641			13
Rauncha Urban District Population 4,595	M	34	72	65	112	140	5
	F	32	70	64	112	156	5
Total ...		66	142	646			14
Cundle & Thrapston Rural District Population 16,112	M	42	81	65	134	118	5
	F	37	81	65	118	113	7
Total ...		79	162	633			12

Corby Urban District	M	66	106	71	159	90	13
Population 35,938	F	63	102	73	148	83	18
Total ...		129	208		624		31
Oundle Urban District	M	35	79	62	106	116	66
Population 2,547	F	42	75	65	123	124	105
Total ...		77	154		596		171
Rushden Urban District	M	36	73	59	121	142	56
Population 17,377	F	35	68	60	121	149	81
Total ...		71	141		652		137
Borough of Torquay	M	27	62	60	95	129	75
Population 54,046	F	25	59	56	109	175	140
Total ...		52	121		624		215
Devonshire (Excluding Exeter and	M	34	71	57	109	127	70
Population539,021 Plymouth)	F	32	67	55	116	153	109
Total ...		66	138		617		179
England and Wales	M	41	80	58	137	127	47
	F	37	72	64	127	129	71
Total ...		78	152		642		118

Birth Rate

The child bearing age of females may be taken as 15 - 44 years.

	Number Females Age 15 - 44 per 1,000 Total Females	Married	Unmarried
Administrative County	377	271	106
County Borough of Northampton ...	360	245	115
Raunds Urban District	332	230	102
Oundle & Thrapston Rural District ...	376	256	120
Oundle Urban District	352	236	116
Corby Urban District	454	351	103
Rushden Urban District	352	255	97
Borough of Torquay	293	180	113
Devonshire	321	214	107
England & Wales	381	256	125

Expectation of Life

Census figures 1841-1961 show a progressive increase, from 1911, of years of life expectation. The table below gives the relative numbers of the over 65 years per 1,000 of total population and by sex.

Over 65 years per 1,000

	1841	1851	1861	1871	1881	1891	1901	1911	1921	1931	1951	1961
Total Population	43	46	46	47	46	47	47	52	60	94	110	119
Male "	42	43	43	44	42	43	42	46	54	66	94	94
Female "	47	50	50	50	50	51	51	57	66	81	126	143

Note. There was no census in 1941 - a war year. The marked improvement in the expectation of life is a comparison in time and has its origin in improved social conditions. It is due to prevention of disease and not to cure of disease.

Corby Urban District	M	66	106	71	159	90	13
Population 35,938	F	63	102	73	148	83	18
Total ...		129	208		624		31
Oundle Urban District	M	35	79	62	106	116	66
Population 2,547	F	42	75	65	123	124	105
Total ...		77	154		396		171
Raunhen Urban District	M	36	73	59	121	142	56
Population 17,377	F	35	68	60	121	149	81
Total ...		71	141		652		137
Borough of Torpoy	M	27	62	60	95	129	75
Population 54,046	F	25	59	56	109	175	140
Total ...		52	121		624		215
Devonshire (Excluding Exeter and	M	34	71	57	109	127	70
Population 39,021 Plymouth)	F	32	67	55	116	153	109
Total ...		66	138		617		179
Rugland and Wales	M	41	80	58	137	127	47
	F	37	72	64	127	129	71
Total ...		78	152		542		118

Birth Rate

The child bearing age of females may be taken as 15 - 44 years.

	Number Females Age 15 - 44 per 1,000 Total Females	Married	Unmarried
Administrative County	377	271	106
County Borough of Northampton ...	360	245	115
Raunds Urban District	332	230	102
Oundle & Thrapston Rural District ...	376	256	120
Oundle Urban District	352	236	116
Corby Urban District	454	351	103
Raunhen Urban District	352	255	97
Borough of Torpoy	293	180	113
Devonshire	321	214	107
Rugland & Wales	381	256	125

Expectation of Life

Census figures 1841-1961 show a progressive increase, from 1911, of years of life expectation. The table below gives the relative numbers of the over 65 years per 1,000 of total population and by sex.

Over 65 years per 1,000

	1841	1851	1861	1871	1881	1891	1901	1911	1921	1931	1951	1961
Total Population	43	46	46	47	46	47	47	52	60	94	110	119
Male "	42	43	43	44	42	43	42	46	54	66	94	94
Female "	47	50	50	50	50	51	51	57	66	81	126	143

Note. There was no census in 1941 - a war year. The marked improvement in the expectation of life is a comparison in time and has its origin in improved social conditions. It is due to prevention of disease and not to cure of disease.

From the tables given Raunds has a high over 65 rate and a low 15-44 female rate; two factors against good statistical records. Although the Oundle and Thrapston Rural District has a population almost four times that of Raunds, yet in the thirty years of existence of the two local authorities the natural increase in Oundle and Thrapston (Births - Deaths) was 2,901, Raunds 262.

Raunds and Oundle Urban Districts are too small to act as independent sanitary authorities. Public health inspection is becoming more and more onerous in an age of female workers, processed tinned foods and jerry buildings. No doubt the surveying work of the Councils is also increasing and becoming more complicated. Both these districts are enclosed within the Rural district geographically and their independent existence does not make sense functionally or economically. The review of local government boundaries should have been tackled by the authority legally expected to tackle it. The County Council preferred to go back to 1935 instead of dealing with 1965.

Birth Rate

For Raunds the comparability factor for 1961 and 1962 was 1.16, and for 1963 and 1964 it was 1.2. This relatively high comparability factor suggests a population above the average in age. The birth rate is only 73% of the county rate and 76% of the national rate.

Live Births

TOTAL LIVE BIRTHS in Raunds Urban District:-

	1961		1962		1963		1964	
	M	F	M	F	M	F	M	F
Legitimate	35	30	33	27	28	32	33	30
Illegitimate	0	2	0	1	1	0	0	2
TOTAL	35	32	33	28	29	32	33	32
Illegitimate rate per 1,000 Live Births	29.87		16.4		16.4		30.8	

BIRTH RATES per 1,000 of population:-

Raunds U.D.C. - Crude	14.66	13.2	13.2	14.0
Standard ...	17.4	15.3	16.0	16.66
England and Wales - Crude ...	17.4	18.0	18.2	18.4
Administrative County - Crude	18.04		18.7	19.1

Still Births

A still birth is defined as the issue of a dead child after twenty-eight weeks of pregnancy.

	1961		1962		1963		1964	
	M	F	M	F	M	F	M	F
Legitimate	1	0	0	1	0	2	0	0
Illegitimate	0	0	0	0	0	0	0	0
TOTAL	1	0	0	1	0	2	0	0

Rate per 1,000 of Live and Still Births:-

	1961	1962	1963	1964
Raunds Urban District ...	15.0	16.1	31.7	0.0
England and Wales	19.1	18.1	17.2	16.4
Administrative County ...	17.6		14.85	13.46

From the tables given Ramuda has a high over 65 rate and a low 15-44 female rate; two factors against good statistical records. Although the Ouadle and Thrapston Rural District has a population almost four times that of Ramuda, yet in the thirty years of existence of the two local authorities the natural increase in Ouadle and Thrapston (Births - Deaths) was 2,901, Ramuda 262.

Ramuda and Ouadle Urban Districts are too small to act as independent sanitary authorities. Public health inspection is becoming more and more onerous in an age of female workers, processed tinned foods and jerry buildings. No doubt the surveying work of the Councils is also increasing and becoming more complicated. Both these districts are enclosed within the Rural districts geographically and their independent existence does not make sense functionally or economically. The review of local government boundaries should have been tackled by the authority logically supposed to tackle it. The County Council preferred to go back to 1935 instead of dealing with 1965.

Birth Rate

For Ramuda the comparability factor for 1961 and 1962 was 1.16 and for 1963 and 1964 it was 1.2. This relatively high comparability factor suggests a population above the average in age. The birth rate is only 73% of the county rate and 76% of the national rate.

Live Births

TOTAL LIVE BIRTHS in Ramuda Urban District:-

	1961		1962		1963		1964	
	M	F	M	F	M	F	M	F
Legitimate	35	30	33	27	28	32	33	30
Illegitimate	0	2	0	1	1	0	0	2
TOTAL	35	32	33	28	29	32	33	32
Illegitimate rate per 1,000 Live Births		29.87		16.4		16.4		30.8

BIRTH RATES per 1,000 of population:-

Ramuda U.D.C. - Crude	14.65	13.2	13.2	14.9
Standard ...	17.4	15.3	16.0	16.66
England and Wales - Crude ...	17.4	18.0	18.2	18.4
Administrative County - Crude	18.04		18.7	19.1

Still Birth

A still birth is defined as the issue of a dead child after twenty-eight weeks of pregnancy.

	1961		1962		1963		1964	
	M	F	M	F	M	F	M	F
Legitimate	1	0	0	1	0	2	0	0
Illegitimate	0	0	0	0	0	0	0	0
TOTAL	1	0	0	1	0	2	0	0

Rate per 1,000 of Live and Still Births:-

	1961	1962	1963	1964
Ramuda Urban District ...	15.0	16.1	31.7	0.0
England and Wales	19.1	18.1	17.2	16.4
Administrative County ...	17.6		14.85	13.46

Deaths of Children under 1 year

	1961		1962		1963		1964	
	M	F	M	F	M	F	M	F
Legitimate	0	3	1	0	0	1	0	1
Illegitimate	0	0	0	0	0	0	0	0
TOTAL	0	3	1	0	0	1	0	1

Rate per 1,000 of Live Births	1961	1962	1963	1964
Raunds Urban District	46.0	16.1	16.4	15.4
England and Wales	21.6	21.4	21.1	20.0
Administrative County	17.61		17.7	18.36

Deaths of Children under 4 weeks

	1961		1962		1963		1964	
	M	F	M	F	M	F	M	F
Legitimate	0	2	1	0	0	1	0	1
Illegitimate	0	0	0	0	0	0	0	0
TOTAL	0	2	1	0	0	1	0	1

Rate per 1,000 of Live Births	1963	1964
Raunds Urban District	16.4	15.4
England and Wales	14.2	13.8
Northamptonshire		13.97

Deaths of Children under 1 week

	1962		1963		1964	
	M	F	M	F	M	F
Legitimate	1	0	0	1	0	0
Illegitimate	0	0	0	0	0	0
	1	0	0	1	0	0

Peri-Natal Mortality (Still Births and Deaths under 1 Week)

Rate per 1,000 of Total Live and Still Births	1963	1964
Raunds Urban District	48.0	0.0
England and Wales	29.3	28.2
Northamptonshire		25.09

Maternal Mortality

	1961	1962	1963	1964
	0	0	0	0
Rate per 1,000 Live and Still Births:-				
Raunds Urban District	0.0	0.0	0.0	0.0
England and Wales	0.33		0.28	0.25
Administrative County	0.55		0.20	0.17

There has been no maternal death since 1935, the date of the inclusion of Stanwick in the district.

Death Rate

A classification of the causes of death with sex and age is given in tables at the end of the report.

Deaths of Children under 1 year

	1961		1962		1963		1964	
	M	F	M	F	M	F	M	F
Legitimate	0	3	1	0	0	1	0	1
Illegitimate	0	0	0	0	0	0	0	0
TOTAL	0	3	1	0	0	1	0	1

Rate per 1,000 of Live Births	1961	1962	1963	1964
Rounds Urban District	46.0	16.1	16.4	15.4
England and Wales	21.6	21.4	21.1	20.0
Administrative County	17.61		17.7	18.36

Deaths of Children under 4 weeks

	1961		1962		1963		1964	
	M	F	M	F	M	F	M	F
Legitimate	0	2	1	0	0	1	0	1
Illegitimate	0	0	0	0	0	0	0	0
TOTAL	0	2	1	0	0	1	0	1

Rate per 1,000 of Live Births	1963	1964
Rounds Urban District	16.4	15.4
England and Wales	14.2	13.8
Northamptonshire		13.97

Deaths of Children under 1 week

	1962		1963		1964	
	M	F	M	F	M	F
Legitimate	1	0	0	1	0	0
Illegitimate	0	0	0	0	0	0
	1	0	0	1	0	0

Peri-Natal Mortality (Still Birth and Deaths under 1 Week)

Rate per 1,000 of Total Live and Still Births	1963	1964
Rounds Urban District	48.0	0.0
England and Wales	29.3	28.2
Northamptonshire		25.09

Maternal Mortality

Rate per 1,000 Live and Still Births-	1961	1962	1963	1964
Rounds Urban District	0.0	0.0	0.0	0.0
England and Wales	0.33		0.28	0.25
Administrative County	0.55		0.20	0.17

There has been no maternal death since 1935, the date of the inclusion of Stanwick in the district.

Death Rate

A classification of the causes of death with sex and age is given in tables at the end of the report.

Number of Deaths

	1961	1962	1963	1964
Males	23	27	34	28
Females	35	37	38	34
	58	64	72	62

DEATH RATE:-

	1961	1962	1963	1964
Raunds Urban District - Crude ...	12.7	13.88	15.6	13.25
Standard	10.53	11.8	13.1	11.13
England and Wales	12.0	11.9	12.2	11.3
Administrative County	11.18		11.2	10.56

Comparability Factor 1958 = 0.85)
" " 1959 = 0.84)
" " 1960 = 0.86)
" " 1961 = 0.83)
" " 1962 = 0.85)
" " 1963 = 0.84)
" " 1964 = 0.84)

These comparability factors indicate a more aged population than the average of England and Wales.

The total Death returns of a public health district are made up of (1) Residents who die in the district and (2) Residents who die outside the district and their death transferred inwardly to the home district. Below are two tables for periods of 10 and 12 years each, (1) After the National Health Service Act and (2) Before the inception of the Act. Although the figures involved are small there is consistent evidence that people are living longer and also that the number of inwardly transferable deaths is increasing in proportion to the total deaths. Most of those inward transfers are of elderly people dying in institutions outside the district. This increase in the proportion of transferable deaths suggests that the family as the basis of social life is giving way to that of the community. The old people are without doubt well treated in the State institutions but nevertheless there is a severance of a link.

After N.H.S.						Before N.H.S.					
Year	Total Deaths	No. over 70	Rate	Inward Transfers	Rate	Year	Total Deaths	No. over 65	Rate	Inward Transfes	Rate
1953	41	26	63%	16	39%	1916	48	18	37%	7	16%
1954	44	30	70%	19	43%	1917	41	18	44%	4	10%
1955	81	45	60%	23	28%	1918	54	17	31%	7	13%
1956	56	39	70%	24	43%	1919	40	26	50%	5	12.5%
1957	52	33	63%	12	23%	1920	45	22	50%	8	18%
1958	52	34	65%	20	39%	1921	39	21	54%	4	10%
1959	62	34	55%	17	28%	1922	34	12	35%	0	0%
1960	56	30	54%	18	32%	1923	46	20	44%	4	9%
1961	58	39	67%	23	40%	1924	41	18	44%	7	17%
1962	64	43	67%	32	50%	1925	32	14	44%	11	30%
1963	72	44	61%	33	45.8%						
1964	62	37	60%	33	53.2%						

It is to be noted that from 1953 the number is over 70 years and from 1916 the number is over 65 years. The expectation of life is distinctly better from 1953 and this table also shows distinctly more inward transfers.

Infectious Diseases

Scarlet Fever Nil

Erysipelas Nil

Number of Deaths

	1961	1962	1963	1964
Males	23	27	34	28
Females	35	37	38	34
	58	64	72	62

DEATH RATES:-

	1961	1962	1963	1964
Ruardia Urban District - Crude ...	12.7	13.88	15.6	13.25
Standard	10.53	11.8	13.1	11.15
England and Wales	12.0	11.9	12.2	11.3
Administrative County	11.18		11.2	10.56

Comparability Factor 1958 = 0.85)
" " 1959 = 0.84)
" " 1960 = 0.86)
" " 1961 = 0.83)
" " 1962 = 0.85)
" " 1963 = 0.84)
" " 1964 = 0.84)

These comparability factors indicate a more aged population than the average of England and Wales.

The total death returns of a public health district are made up of (1) Residents who die in the district and (2) Residents who die outside the district and their death transferred inwardly to the home district. Below are two tables for periods of 10 and 12 years each. (1) After the National Health Service Act and (2) Before the inception of the Act. Although the figures involved are small there is consistent evidence that people are living longer and also that the number of inwardly transferable deaths is increasing in proportion to the total deaths. Most of those inward transfers are of elderly people dying in institutions outside the district. This increase in the proportion of transferable deaths suggests that the family as the basic of social life is giving way to that of the community. The old people are without doubt well treated in the State institutions but nevertheless there is a nevertheless of a link.

	After N.H.S.				Before N.H.S.			
Year	Total No. of Deaths	No. over 70	Rate	Inward Transfers	Rate	Year	Total No. of Deaths	No. over 65	Rate	Inward Transfers	Rate
1953	41	26	63%	16	39%	1916	48	18	37%	7	16
1954	44	30	70%	19	43%	1917	41	18	44%	4	10
1955	61	45	60%	23	28%	1918	51	17	31%	7	13
1956	56	39	70%	24	43%	1919	40	26	50%	5	12
1957	52	33	63%	12	23%	1920	45	22	50%	8	18
1958	52	34	65%	20	39%	1921	39	21	54%	4	10
1959	62	34	55%	17	28%	1922	34	12	35%	0	0
1960	56	30	54%	18	32%	1923	46	20	44%	4	9
1961	58	39	67%	23	40%	1924	41	18	44%	7	17
1962	64	43	67%	32	50%	1925	32	14	44%	11	34
1963	72	44	61%	33	45.8%						
1964	62	37	60%	33	53.2%						

It is to be noted that from 1953 the number is over 70 years and from 1916 the number is over 65 years. The expectation of life is distinctly better from 1953 and this table also shows distinctly more inward transfers.

Infectious Diseases

Scarlet Fever Nil

Erysipelas Nil

Pneumonia Nil

Typhoid and Paratyphoid Nil

Cerebro-Spinal Fever Nil

Measles 20

Whooping Cough 5. There was one death, a child, but this was never notified.

Food Poisoning Nil

Tuberculosis - Number on Register

The number of cases of Tuberculosis on the Register during the past twelve years was as follows:-

	Respiratory	Non-Respiratory
31st December, 1953	24	5
31st December, 1954	29	7
31st December, 1955	22	5
31st December, 1956	22	5
31st December, 1957	24	6
31st December, 1958	18	4
31st December, 1959	15	4
31st December, 1960	11	5
31st December, 1961	10	4
31st December, 1962	9	4
31st December, 1963	5	4
31st December, 1964	7	3

WATER SUPPLY

Raunds is supplied with water by the Nene and Ouse Water Board. The Council has accepted the principle of the Fluoridation of water supplies and so has the County Council. The County Council is the authority for Fluoridation, no doubt because it does not possess and never did possess a water supply. A Water Board is placed in an impossible position when of the local authorities receiving its supply, some are for and some against Fluoridation. The only solution is for the Ministry of Health to make Fluoridation a national policy. By virtue of the Water Act 1945 the Ministry has the power to compel all water authorities to conform to a national policy.

The water in supply is very hard; some degree of softening would make the housewife's work a lot easier.

Sample of water labelled "Raw Water Raunds" received on the 20th May, 1964 from Mr. H.B. Wilson, Nene & Ouse Water Board.

Physical Examination

Clear and bright, odourless and colourless (Hazen less than 5.0).

General Chemical Examination

	Parts per 100,000
Reaction .. pH 7.1	
Free Carbon Dioxide (CO_2)	1.65
Ammoniacal Nitrogen (N) (Free and Saline)	nil
Albuminoid Nitrogen (N)	0.0050
Nitrous Nitrogen (Nitrites)	absent
Nitric Nitrogen (N) (Nitrates)	0.55
Hardness ($CaCO_3$ Clark)	42.0
Temporary	19.6
Permanent	22.4
Oxygen absorbed in 3 hrs. at 37°C ...	0.0663
Alkalinity	29.25
Total Solids	86.2
Poisonous Metals	absent

Pneumonia Nil

Typhoid and Paratyphoid Nil

Cerebro-Spinal Fever Nil

Measles 20

Whooping Cough 5. There was one death, a child, but this was never notified.

Food Poisoning Nil

Tuberculosis - Number on Register

The number of cases of Tuberculosis on the Register during the past twelve years was as follows:-

	Respiratory	Non-Respiratory
31st December, 1951	24	5
31st December, 1952	29	7
31st December, 1953	22	5
31st December, 1954	22	5
31st December, 1955	24	6
31st December, 1956	18	4
31st December, 1957	15	4
31st December, 1958	11	5
31st December, 1959	10	4
31st December, 1960	9	4
31st December, 1961	5	4
31st December, 1962	7	3
31st December, 1963		
31st December, 1964		

WATER SUPPLY

Ramsey is supplied with water by the Ness and Conn Water Board. The Council has accepted the principle of the Fluoridation of water supplies and so has the County Council. The County Council is the authority for Fluoridation, no doubt because it does not possess and never did possess a water supply. A Water Board is placed in an impossible position when of the local authorities receiving its supply, some are for and some against Fluoridation. The only solution is for the Ministry of Health to make Fluoridation a national policy. By virtue of the Water Act 1945 the Ministry has the power to compel all water authorities to conform to a national policy.

The water in supply is very hard, some degree of softening would make the housewife's work a lot easier.

Sample of water labelled "Ken Water Ramsey" received on the 20th May, 1964 from Mr. H.M. Wilson, Ness & Conn Water Board.

Physical Examination

Clear and bright, odourless and colourless (Hazen less than 5.0).

General Chemical Examination

	Parts per 100,000
Reaction .. pH 7.1	
Free Carbon Dioxide (CO_2)	1.65
Ammoniacal Nitrogen (N) (Free and Saline)	nil
Albuminoid Nitrogen (N)	0.0050
Nitrous Nitrogen (Nitrites)	absent
Nitric Nitrogen (N) (Nitrates)	0.55
Hardness ($CaCO_3$ Clark)	12.0
Temporary	19.6
Permanent	22.4
Oxygen absorbed in 3 hrs. at 37°C ...	0.0663
Alkalinity	29.25
Total Solids	86.2
Poisonous Metals	absent

Mineral Analysis — Parts per 100,000

Calcium (Ca)	18.48
Magnesium (Mg)	1.30
Carbonate (CO_3)	16.5
Chloride (Cl)	10.25
Sulphate (SO_4)	10.28
Nitrate (NO_3)	2.43
Iron	trace
Sodium (Na)	12.2

Microscopical Examination of Deposit ... None.

Plumbo-Solvency - No action on lead in 3 days at 21°C.

Bacteriological Examination

Coliform organisms absent in 100 mls.
Number of microorganisms per ml developing at 37°C = nil
Number of microorganisms per ml developing at 21°C = 2

Remarks

The results obtained on the analysis of this sample indicate a hard water containing little organic matter and few bacteria.

I am of opinion that this water as evidenced by the sample is fit for drinking purposes.

S. GREENBURGH

Public Analyst.

2nd June, 1964.

Results expressed as parts per 100,000.

The following analysis was taken by reason of a scare at Stanwick. The analysis would suggest that the amount of Chlorine in the water was the basis of the scare. I understand that the Water Board had to pump some water from the river into the supply. Although there is more organic matter in the water than is usual for a deep well supply, there is no more than is commonly present in a surface soft water supply.

Sample of water labelled "Treated Water from Stanwick (Ringstead Source)" received on the 10th December 1964.

Physical Characters	Good
Reaction	pH 7.0

The sample contained:-

	Parts per 100,000
Chloride	10.25
Ammonia (free & saline)	0.0344
Ammonia (albuminoid)	0.0134
Oxygen absorbed in 3 hours at 37°C	0.1155
Nitrate	0.20
Nitrite	absent
Poisonous Metals	absent
Total Hardness	35.6

Bacteriological Examination

Coliform organisms absent in 100 mls.
No. of microorganisms per ml at 37°C = nil
No. of microorganisms per ml at 21°C = nil

Microscopical Examination of Deposit

None

Mineral Analysis	Parts per 100,000
Calcium (Ca)	18.48
Magnesium (Mg)	1.30
Carbonate (CO_3)	16.5
Chloride (Cl)	10.25
Sulphate (SO_4)	10.28
Nitrate (NO_3)	2.43
Iron	trace
Sodium (Na)	12.2

Microscopical Examination of Deposit ... None.

Plumbo-Solvency - No action on lead in 3 days at 21°C.

Bacteriological Examination

Coliform organisms absent in 100 mls.
Number of microorganisms per ml developing at 37°C = nil
Number of microorganisms per ml developing at 21°C = 2

Remarks

The results obtained on the analysis of this sample indicate a hard water containing little organic matter and few bacteria.

I am of opinion that this water as evidenced by the sample is fit for drinking purposes.

S. GREENBAUM

Public Analyst.

2nd June, 1964.

Results expressed as parts per 100,000.

The following analysis was taken by reason of a score at Stanwick. The analysis would suggest that the amount of Chlorine in the water was the basis of the score. I understand that the Water Board had to pump more water from the river into the supply. Although there is more organic matter in the water than is usual for a deep well supply, there is no more than is commonly present in a surface soil water supply.

Sample of water labelled "Treated Water from Stanwick (Ringstead Source)" received on the 16th December 1964.

Physical Characters	Good
Reaction	pH 7.0

The sample contained:-

	Parts per 100,000
Chloride	10.25
Ammonia (free & saline)	0.0344
Ammonia (albuminoid)	0.0134
Oxygen absorbed in 3 hours at 27°C	0.1155
Nitrate	0.20
Nitrite	absent
Poisonous Metals	absent
Total Hardness	35.6

Bacteriological Examination

Coliform organisms absent in 100 mls.
No. of microorganisms per ml at 37°C = nil
No. of microorganisms per ml at 21°C = nil

Microscopical Examination of Deposit

None

Remarks

The results obtained on the analysis of this sample indicate a hard water containing an appreciable amount of organic matter though free from bacterial contaimination.

I am of opinion that this water, as evidenced by this sample, is fit for drinking purposes. It is to be recommended however that the supply be kept under close observation.

The odour and taste of this water may be due to free chlorine.

S. GREENBURGH

Public Analyst.

15th December, 1964.

A. McINNES

Medical Officer of Health.

STATISTICAL TABLES

Table No. 1.

CAUSES OF DEATH

There were no deaths in the years 5-15, 25-35, 35-45 and between 4 weeks and 1 year.

Causes of Death	Sex	Total All Ages	Under 4 weeks	Age in Years 1 - 4	15 - 24	45 - 54	55 -64	65 -74	75 and over
5. Whooping Cough	M	-	-	-	-	-	-	-	-
	F	1	-	1	-	-	-	-	-
10. Malignant Neoplasm, Stomach	M	1	-	-	-	1	-	-	-
	F	2	-	-	-	-	-	2	-
11. Malignant Neoplasm, Lung, Bronchus	M	2	-	-	-	-	1	1	-
	F	-	-	-	-	-	-	-	-
14. Other Malignant and Lymphatic Neoplasms	M	6	-	-	-	-	1	-	5
	F	1	-	-	-	-	-	-	1
15. Leukaemia, Aleukaemia	M	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	1	-
16. Diabetes	M	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	1
17. Vascular Lesions of Nervous System	M	4	-	-	-	-	-	-	4
	F	7	-	-	-	-	-	1	6
18. Coronary Disease, Angina	M	5	-	-	-	-	3	2	-
	F	3	-	-	-	-	2	1	-
20. Other Heart Disease	M	2	-	-	-	-	-	1	1
	F	7	-	-	-	-	-	1	6

STATISTICAL TABLES

CAUSES OF DEATH

There were no deaths in the years 5-15, 25-35, 35-45 and between 4 weeks and 1 year.

Causes of Death	Sex	Total All Ages	Under 4 weeks	Age in Years 1 - 4	15 - 24	45 - 54	55 - 64	65 - 74	75 and over
5. Whooping Cough	M	-	-	-	-	-	-	-	-
	F	1	-	1	-	-	-	-	-
10. Malignant Neoplasm, Stomach	M	1	-	-	-	1	-	-	-
	F	2	-	-	-	-	-	2	-
11. Malignant Neoplasm, Lung, Bronchus	M	2	-	-	-	-	1	1	-
	F	-	-	-	-	-	-	-	-
14. Other Malignant and Lymphatic Neoplasms	M	6	-	-	-	-	1	-	5
	F	1	-	-	-	-	-	-	1
15. Leukaemia, Aleukaemia	M	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	1	-
16. Diabetes	M	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	1
17. Vascular Lesions of Nervous System	M	4	-	-	-	-	-	-	4
	F	7	-	-	-	-	-	1	6
18. Coronary Disease, Angina	M	5	-	-	-	-	3	2	-
	F	3	-	-	-	-	2	1	-
20. Other Heart Disease	M	2	-	-	-	-	-	1	1
	F	7	-	-	-	-	-	1	6

23. Pneumonia	M	-	-	-	-	-	-	-	-
	F	2	-	-	-	-	-	-	2
24. Bronchitis	M	1	-	-	-	-	-	1	-
	F	-	-	-	-	-	-	-	-
26. Ulcer of Stomach and Duodenum	M	1	-	-	-	-	1	-	-
	F	-	-	-	-	-	-	-	.
27. Gastritis, Enteritis and Diarrhoea	M	2	-	2	-	-	-	-	-
	F	-	-	-	-	-	-	-	-
31. Congenital Malformations	M	-	-	-	-	-	-	-	-
	F	1	1	-	-	-	-	-	-
32. Other Defined and Ill-Defined Diseases	M	2	-	-	-	2	-	-	-
	F	5	-	-	-	-	-	1	4
34. All Other Accidents	M	2	-	-	-	-	1	-	1
	F	3	-	-	1	1	-	-	1
Total All Causes	M	28	-	2	-	3	7	5	11
	F	34	1	1	1	1	2	7	21

Of the deaths over 75 the ages and sex were:-

75 - 80		80 - 90		over 90	
M	F	M	F	M	F
5	6	6	12	0	3

The greatest age was 97

The death from Whooping Cough and the 2 deaths from Gastro Enteritis under 2 years, although notifiable, were never notified.

Percentage of Deaths from Special Causes

	Raunds	England and Wales Males & Females Combined	Males Separate	Females Separate
Tuberculosis	0.0	0.41	0.62	0.19
Circulatory Disease (17, 18, 20)	45.0	50.84	47.9	54.01
Respiratory Disease (23, 24)	4.8	10.89	12.22	9.09
All Cancers (10, 11, 14, 15)	21.0	19.58	20.47	18.6
Lung Cancers (11)	3.2	4.74	7.8	1.5

| Total Canceled (11) | 11 | 11 | 11

ILLEGITIMATE BIRTHS

Table No. 2

RATES PER 1,000 TOTAL BIRTHS

YEAR	RAUNDS	OUNDLE & THRAPSTON	COUNTY
1935	00.0	36.0	36.0
1936	55.0	32.0	34.0
1937	46.0	34.6	36.0
1938	16.0	32.0	37.0
1939	54.0	45.6	37.0
1940	46.0	37.0	36.0
1941	17.0	79.4	44.0
1942	55.0	52.4	54.0
1943	84.0	64.3	69.0
1944	79.0	82.6	83.0
1945	20.0	129.2	109.0
1946	111.0	45.0	68.0
1947	20.0	60.0	55.0
1948	65.0	54.0	49.0
1949	15.0	62.9	46.0
1950	57.0	84.6	46.0
1951	60.0	80.0	50.0
1952	73.0	39.9	44.0
1953	00.0	40.34	41.0
1954	55.0	65.0	51.0
1955	16.0	51.3	45.0
1956	67.5	74.7	44.0
1957	61.0	60.8	41.0
1958	50.0	52.6	38.0
1959	33.3	43.0	41.0
1960	00.0	50.0	41.0
1961	30.0	41.6	51.0
1962	16.4	61.6	49.7
1963	16.4	43.6	54.1
1964	20.8	52.9	72.0

Corresponding rates for Raunds since 1908 were:-

1908	33.0	1917	86.0	1926	36.0
1909	10.9	1918	16.0	1927	15.0
1910	00.0	1919	70.0	1928	53.0
1911	40.0	1920	37.0	1929	20.0
1912	25.0	1921	50.0	1930	00.0
1913	12.5	1922	54.0	1931	00.0
1914	51.7	1923	20.0	1932	00.0
1915	25.0	1924	50.0	1933	20.0
1916	37.5	1925	00.0	1934	20.0

In the whole of England and Wales during 1964 there were born 450,771 males and 424,007 females, that is, 1062 males for every 1000 females. Of the total births 63,308 were illegitimate or 7.2%. For the years 1958, 1959, 1960, 1961 and 1962 the illegitimate rate was 5.6% and in 1963 it was 6.9%.

Table No. 2

ILLEGITIMATE BIRTHS

RATES PER 1,000 TOTAL BIRTHS

YEAR	BALERNO	CURDIE & THRAPSTON	COUNTY
1935	00.0	36.0	36.0
1936	55.0	32.0	34.0
1937	46.0	34.6	36.0
1938	16.0	32.0	37.0
1939	54.0	45.6	37.0
1940	46.0	37.0	36.0
1941	17.0	79.4	44.0
1942	55.0	52.4	34.0
1943	84.0	64.3	69.0
1944	79.0	82.6	83.0
1945	20.0	129.2	109.0
1946	111.0	45.0	68.0
1947	30.0	80.0	55.0
1948	65.0	54.0	49.0
1949	15.0	62.3	46.0
1950	57.0	84.6	46.0
1951	60.0	60.0	50.0
1952	73.0	39.9	44.0
1953	00.0	40.34	41.0
1954	55.0	65.0	51.0
1955	16.0	51.3	45.0
1956	67.5	74.7	44.0
1957	61.0	60.8	41.0
1958	50.0	52.6	36.0
1959	33.3	43.0	41.0
1960	00.0	50.0	41.0
1961	30.0	41.5	51.0
1962	16.4	61.6	49.7
1963	16.4	43.6	54.1
1964	20.8	52.9	72.0

Corresponding rates for Bounds since 1908 were:-

1908	33.0	1917	86.0	1926	36.0
1909	10.9	1918	16.0	1927	15.0
1910	00.0	1919	70.0	1928	53.0
1911	40.0	1920	37.0	1929	80.0
1912	25.0	1921	50.0	1930	00.0
1913	12.5	1922	54.0	1931	00.0
1914	51.7	1923	20.0	1932	00.0
1915	24.0	1924	30.0	1933	20.0
1916	37.5	1925	00.0	1934	20.0

In the whole of England and Wales during 1964 there were born 450,777 males and 424,007 females, that is, 1062 males for every 1000 females. Of the total births 63,308 were illegitimate or 7.2%. For the years 1958, 1959, 1960, 1961 and 1962 the illegitimate rate was 5.6% and in 1963 it was 6.9%.

A TABLE OF BIRTH RATES AND DEATH RATES FROM SPECIAL CAUSES SINCE THE FORMATION OF THE DISTRICT ON 1st APRIL, 1935

Table No. 3

Estimated Population	Births		DEATHS									
			All ages		Under 1		Pulm.Tubercu.		Non-Pulm.Tubercu.		Cancer	
	No.	Rate per 1000 Pop.	No.	Rate per 1000 Pop.	No.	Rate per 1000 Births	No.	Rate per 1000 Pop.	No.	Rate per 1000 Pop.	No.	Rate per 1000 Pop.
1935 4440	45	10.6	40	8.5	1	22.0	1	0.22	0	0.00	6	1.4
1936 4425	62	14.0	65	13.37	3	48.0	4	0.90	0	0.00	12	2.7
1937 4423	65	14.7	67	13.7	1	15.0	4	0.90	0	0.00	12	2.7
1938 4427	63	14.2	49	10.07	1	16.0	4	0.90	0	0.00	5	1.1
1939 4443	55	12.3	45	9.2	3	59.0	0	0.00	0	0.00	7	1.6
1940 4562	65	14.21	55	10.3	2	30.0	1	0.22	0	0.00	2	0.4
1941 5392	58	10.7	62	11.5	3	51.0	2	0.37	1	0.18	7	1.3
1942 5170	73	14.1	48	9.8	0	0.0	4	0.77	0	0.00	9	1.7
1943 4833	71	14.7	56	11.6	6	84.0	2	0.41	0	0.00	9	1.8
1944 4256	85	20.7	61	14.3	3	36.0	1	0.23	1	0.23	12	2.8
1945 4222	80	18.9	71	16.8	4	50.0	2	0.47	0	0.00	9	2.1
1946 4356	89	20.4	53	12.16	5	56.0	1	0.23	0	0.00	7	1.6
1947 4412	98	22.2	58	13.14	6	61.0	1	0.22	0	0.00	10	2.6
1948 4482	77	17.18	65	14.5	5	65.0	1	0.22	0	0.00	8	1.8
1949 4543	65	14.3	65	11.8	3	46.0	0	0.00	0	0.00	8	1.8
1950 4584	53	12.8	64	11.6	3	57.0	0	0.00	0	0.00	6	1.3
1951 4579	67	16.0	62	11.1	1	15.0	2	0.43	0	0.00	10	2.2
1952 4521	55	13.1	75	13.5	2	36.0	1	0.22	0	0.00	10	2.2
1953 4663	66	16.5	41	7.2	2	30.0	0	0.00	0	0.00	6	1.3
1954 4690	73	18.13	44	7.41	2	27.3	0	0.00	0.	0.00	3	0.6
1955 4690	62	15.46	81	13.6	2	27.3	1	0.21	0	0.00	17	3.6
1956 4680	74	18.5	56	10.05	1	13.5	1	0.21	0	0.00	11	2.35
1957 4660	82	20.41	52	9.48	2	24.4	0	0.00	0	0.00	10	2.14

A TABLE OF BIRTH RATES AND DEATH RATES FROM SPECIAL CAUSES BEFORE THE NEW NOTIFICATION OF THE PUBLIC HEALTH ACT, 1925

Estimated population	Birth rates		All ages		Under 1		Puerpe-rium		Non-Puerperal Puerperium		Cancer	
	No.	Rate per 1000 pop.	No.	Rate per 1000 pop.	No.	Rate per 1000 pop.	No.	Rate per 1000 pop.	No.	Rate per 1000 pop.	No.	Rate per 1000 pop.
1921 ... 4660	55	11.8	65	14.0	5	107.5	0	0.00	0	0.00	10	2.1
1922 ... 4680	54	11.5	62	13.2	4	85.5	0	0.00	0	0.00	11	2.3
1923 ... 4680	63	13.5	72	15.4	3	64.1	0	0.00	0	0.00	13	2.8
1924 ... 4680	53	11.3	64	13.7	3	64.1	0	0.00	0	0.00	9	1.9
1925 ... 4680	58	12.4	72	15.4	2	42.7	0	0.00	0	0.00	10	2.1
1926 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	8	1.7
1927 ... 4680	61	13.0	72	15.4	2	42.7	0	0.00	0	0.00	8	1.7
1928 ... 4680	52	11.1	68	14.5	2	42.7	0	0.00	0	0.00	9	1.9
1929 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1930 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1931 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1932 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1933 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1934 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1935 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1936 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1937 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1938 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1939 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5
1940 ... 4680	52	11.1	62	13.2	3	64.1	0	0.00	0	0.00	7	1.5

1958	4650	60	14.19	52	9.5	0	0.0	1	0.21	0	0.00	8	1.72
1959	4680	60	14.87	62	11.12	1	16.6	0	0.00	0	0.00	9	1.92
1960	4670	56	13.92	56	10.3	1	17.86	0	0.00	0	0.00	10	2.14
1961	4570	67	17.0	58	10.53	3	46.0	0	0.00	0	0.00	12	2.62
1962	4610	61	15.3	64	11.8	1	16.1	0	0.00	0	0.00	11	2.38
1963	4620	61	16.0	72	13.1	1	16.4	0	0.00	0	0.00	10	2.46
1964	4680	65	16.66	62	11.13	1	15.4	0	0.00	0	0.00	13	2.77
TOTAL for 30 YEARS :- 1935 -64 Raunds Urban District		2013		1761		69		34		2		269	

Birth Rate is Standard Rate from 1950 onwards. Death Rate is Standard Rate except for 1942-1948, both inclusive.

1958	...	...	4650	60	14.19	52	9.5	0	0.0	1	0.21	0	0.00	8	1.72
1959	...	...	4680	66	14.87	62	11.12	1	16.6	0	0.00	0	0.00	9	1.92
1960	...	...	4670	56	13.92	56	10.3	1	17.86	0	0.00	0	0.00	10	2.14
1961	...	...	4570	67	17.0	58	10.53	3	46.0	0	0.00	0	0.00	12	2.62
1962	...	...	4610	61	15.3	64	11.8	1	16.1	0	0.00	0	0.00	11	2.38
1963	...	...	4620	61	16.0	72	13.1	1	16.4	0	0.00	0	0.00	10	2.16
1964	...	...	4680	65	16.66	62	11.13	1	15.4	0	0.00	0	0.00	13	2.77
TOTAL for 30 YEARS :- 1935 -64 Ramada Urban District				2013		1761		69		34		2		269	

Birth Rate is Standard Rate from 1950 onwards. Death Rate is Standard Rate except for 1942-1946, both inclusive.

A TABLE OF BIRTH RATES AND DEATH RATES FROM SPECIAL CAUSES 1899 -1934 Table No. 4

Estimated Population	Births		DEATHS									
			All ages		Under 1		Pulm.Tubercu.		Non-Pulm.Tubercu.		Cancer	
	No.	Crude Rate per 1000 Pop.	No.	Crude Rate per 1000 Pop.	No.	Rate per 1000 Births	No.	Rate per 1000 Pop.	No.	Rate per 1000 Pop.	No.	Rate per 1000 Pop.
1899 3811	109	28.6	38	9.9	11	109						
1900 3811	123	32.2	42	11.0	10	81						
1901 3901	118	30.2	44	11.2	7	59						
1902 4031	115	28.5	48	11.9	12	104						
1903 4211	109	25.8	45	10.6	14	128						
1904 4376	109	24.9	47	10.7	13	119						
1905 4381	101	23.0	46	8.2	10	99						
1906 4381	103	23.5	42	9.5	8	77.6						
1907 4284	99	23.7	47	10.9	9	91						
1908 4320	120	27.8	52	12.0	13	108	8	1.85	2	0.46	2	
1909 4320	91	21.6	40	9.2	4	44	6	1.39	2	0.46	5	
1910 4320	78	18.0	47	10.9	8	102	7	1.61	6	1.38	5	
1911 3874	76	19.6	50	12.9	5	65	4	1.03	4	1.03	6	
1912 3874	80	20.6	35	9.0	4	50	3	0.77	2	0.50	2	
1913 3874	81	20.9	51	13.1	7	86	7	1.80	6	1.54	5	
1914 3874	58	14.9	47	12.1	5	86	5	1.30	4	1.05	5	
1915 4081	80	19.7	51	12.5	9	112	2	0.50	4	1.00	6	
1916 4081	80	19.7	48	11.7	7	87	5	1.22	2	0.50	5	
1917 Births 4609) Deaths 3596)	62	15.5	41	11.1	2	32	6	1.66	3	0.83	2	
1918 Births (4221 Deaths (3767	62	14.6	54	14.3	3	48	5	1.325	5	1.326	4	
1919 Births 4215) Deaths 4004)	57	13.3	40	9.9	2	35	2	0.49	0	0.0	7	
1920 4205	80	19.0	45	10.7	5	62	4	0.936	1	0.234	5	
1921 3838	62	16.2	39	10.2	3	48	2	0.52	1	0.26	2	
1922 3842	55	14.3	34	8.8	3	54	6	1.5	0	0.0	1	
1923 3822	53	13.9	46	12.0	7	134	5	1.3	2	0.52	2	
1924 3824	60	15.6	41	10.7	5	83	3	0.78	2	0.52	2	

Table No. 4 A ANALYSIS OF BIRTH RATES AND DEATH RATES FROM SPECIFIC CAUSES 1961 - 1964

| Explanation Information | All-India | | |

1925	3837	53	13.8	32	8.3	1	18	5	1.3	0	0.0	4
1926	3753	55	14.6	50	13.3	2	36	1	0.26	0	0.0	6
1927	3690	41	11.1	37	10.0	3	73	1	0.26	0	0.0	0
1928	3725	56	15.0	32	8.6	0	00	2	0.54	2	0.54	4
1929	3753	46	12.2	48	12.7	4	87	5	1.35	1	0.27	3
1930	3753	41	10.9	34	9.0	0	00	3	0.798	1	0.266	2
1931	3687	37	10.0	40	10.8	1	27	2	0.54	1	0.27	8
1932	3626	37	10.2	48	13.2	5	135	1	0.27	0	0.0	7
1933	3561	46	12.9	48	13.4	2	44	5	1.4	0	0.0	6
1934	3617	52	14.3	45	11.3	7	135	1	0.27	1	0.27	8
TOTAL for 36 YEARS :- 1899 - 1934 Raunds Urban District		2685		1568		212		107 in 27 yrs.		50 in 27 yrs.		118 in 27 yrs.

	Average Birth Rate	Average Death Rate	Deaths under 1 year per 1,000 Births
From 1899 - 1934 (36 years)	18.7	11.07	86.4
From 1935 - 1964 (30 years)	14.8	12.9	34.2

Stanwick was a part of the Thrapston Rural District until April, 1935.

-:-:-:-:-:-:-:-:-:-:-:-

Year	Population	Average Birth Rate	Average Death Rate	Average Natural Increase	Average Net Migration	Average Rate of Natural Increase	Average Rate of Net Migration	Average Rate of Total Increase
1921	...	25	14.1	11.3	1	1.1	0.51	1.61
1922	...	26	15.2	10.8	2	1.0	0.0	1.0
1923	...	24	10.5	13.5	1	1.3	0.0	1.3
1924	...	21	10.0	10.8	5	1.0	0.51	1.51
1925	...	24	10.8	13.4	2	1.3	0.208	1.508
1926	...	21	15.5	5.5	3	0.5	0.51	1.01
1927	...	20	20.0	0.0	1	0.0	0.24	0.24
1928	...	22	11.1	10.9	0	1.0	0.0	1.0
1929	...	23	13.2	9.8	0	0.9	0.0	0.9
1930	...	25	14.1	10.9	0	1.0	0.0	1.0
Average				8.4		0.8	0.24	1.04
Average Birth Rate				1.81				
Average Death Rate				0.51				
Average Natural Increase				1.30				
Average Net Migration				0.24				
Average Rate of Natural Increase				0.08				
Average Rate of Net Migration				0.02				
Average Rate of Total Increase				0.10				

Estimate of the population of a town at the end of the decade 1921 - 1930.

The table below tells its own story, but it would be a delusion to conclude that cancer is on the increase. The apparent increase is due to more exact diagnosis. The Infantile death rate and the Tuberculosis death rate are related to social and hygenic conditions:-

	Mortality Under 1 Year		Mortality Pulm.Tubercu.		Mortality Cancer	
	Total No.	Rate per 1000 Births	Total No.	Rate per 1000 Pop.	Total No.	Rate per 1000 Pop.
Raunds Urban District						
1899-1908	107	97.0				
1909-1918	54	72.0	53	1.3	43	
1919-1928	31	54.0	34	0.9	37	
1936-1945	26	38.9	24	0.517	84	
1952-1961	16	24.43	4	0.085	96	
Administrative County						
1936-1945	1560	42.15	1028	0.44		
1952-1961	993	21.63	253	0.09		

The table below tells its own story, but it would be a delusion to conclude that cancer is on the increase. The apparent increase is due to more exact diagnosis. The Infantile death rate and the Tuberculosis death rate are related to social and hygienic conditions.

	Mortality Under 1 Year		Mortality Phth.Tuberc.		Mortality Cancer	
	Total No.	Rate per 1000 Births	Total No.	Rate per 1000 Pop.	Total No.	Rate per 1000 Pop.
Hanwha Urban District						
1899-1908	107	97.0				
1909-1918	97	72.0	53	1.3		43
1919-1928	37	34.0	34	0.9		37
1936-1945	26	38.9	24	0.517		81
1952-1961	16	26.43	4	0.089		96
Administrative County						
1936-1945	1580	42.15	1028	0.44		
1952-1961	993	24.63	253	0.09		