

THE RECENT TREND OF MORTALITY IN ENGLAND AND WALES

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IN continuation of the tables given in *J.I.A.* Vol. LXXIII, pp. 431-34, the central death-rates in age-groups for males and females separately in the year 1946 are shown in Table 1, together with the ratios of these death-rates to the corresponding rates for the years 1930-31-32. Both the deaths and the populations from which the death-rates have been derived are limited to civilians, but civilian deaths due to war causes are included. The effect of the withdrawal of healthy lives to the Forces should be borne in mind in examining the rates for young adult ages.

The tables showing the death-rates and the ratios to the 1930-32 standard are scattered over a number of volumes of the *Journal*. In order that the trend up to this first post-war year may be conveniently studied, two new tables have been included on this occasion, showing the rates (Table 2) and ratios (Table 3) for each year since 1933. In these tables the age-groups have been reduced to six, viz. under age 1 (infants), 1 to 4 (young children), 5 to 14 (children of school age), 15 to 44 (younger adults), 45 to 64 (older adults) and 65 and over (elderly). Further, to eliminate the effect of the considerable changes in the age distribution of the population that have taken place since 1930-32, the group death-rates and ratios shown in these tables have been standardized on the age distribution of England and Wales at the 1931 census. For the benefit of those who prefer charts, the ratios to the 1930-32 standard have also been shown in graphical form.

Table 1. Death-rates for age-groups in the year 1946
in England and Wales*

Age-group	Death-rates		Ratios of death-rates to those for 1930-31-32	
	Males	Females	Males	Females
0-4	·01343	·01036	·626	·615
5-9	·00097	·00074	·424	·365
10-14	·00084	·00065	·560	·451
15-19	·00159	·00119	·624	·517
20-24	·00271	·00180	·826	·641
25-29	·00201	·00194	·609	·634
30-34	·00227	·00206	·624	·617
35-39	·00283	·00241	·593	·612
40-44	·00414	·00315	·642	·643
45-49	·00691	·00485	·742	·722
50-54	·01094	·00679	·836	·716
55-59	·01718	·01005	·899	·723
60-64	·02741	·01624	·939	·761
65-69	·04015	·02583	·863	·765
70-74	·06311	·04576	·848	·824
75-79	·09978	·07609	·847	·818
80-84	·15951	·12233	·888	·828
85 & over	·21734	·20286	·771	·819
All ages†	·00999	·00822	·786	·731

* See note on p. 346.

† Standardized on 1931 census age distribution.

Table 2. Standardized death-rates for age-groups in England and Wales (standardized on 1931 census age distribution)

Year	Age-group						All ages
	Under 1	1-4	5-14	15-44	45-64	65 & over	
MALES							
1930-32	·07650	·00755	·00190	·00385	·01653	·08063	·01271
1933	·07354	·00688	·00188	·00390	·01687	·08085	·01273
1934	·07109	·00697	·00197	·00356	·01628	·07702	·01217
1935	·06791	·00535	·00174	·00342	·01611	·07775	·01192
1936	·07042	·00580	·00170	·00332	·01655	·08037	·01221
1937	·06845	·00536	·00160	·00338	·01698	·08131	·01231
1938	·06257	·00483	·00160	·00316	·01569	·07618	·01146
1939	·05874	·00367	·00137	·00304	·01628	·07947	·01158
1940	·06631	·00511	·00181	·00447	·01923	·08729	·01368
1941	·07111	·00557	·00188	·00479	·01701	·07774	·01285
1942	·06150	·00372	·00142	·00393	·01503	·07089	·01122
1943	·05746	·00348	·00136	·00407	·01542	·07146	·01132
1944	·05428	·00298	·00138	·00409	·01517	·06891	·01102
1945	·05194	·00275	·00119	·00385	·01477	·06849	·01071
1946*	·05559	·00221	·00091	·00251	·01443	·06861	·00999
FEMALES							
1930-32	·05705	·00677	·00174	·00333	·01197	·06839	·01124
1933	·05587	·00624	·00176	·00342	·01215	·07063	·01145
1934	·05486	·00632	·00190	·00314	·01138	·06537	·01074
1935	·05207	·00489	·00162	·00302	·01118	·06555	·01048
1936	·05286	·00518	·00150	·00290	·01130	·06793	·01065
1937	·05235	·00476	·00144	·00293	·01145	·06919	·01076
1938	·04738	·00423	·00145	·00264	·01046	·06273	·00979
1939	·04566	·00322	·00114	·00260	·01071	·06547	·00992
1940	·05000	·00444	·00156	·00318	·01208	·07194	·01121
1941	·05462	·00499	·00156	·00302	·01067	·06323	·01021
1942	·04752	·00318	·00111	·00254	·00951	·05633	·00890
1943	·04478	·00317	·00108	·00256	·00958	·05847	·00905
1944	·04254	·00254	·00105	·00247	·00921	·05462	·00854
1945	·04063	·00235	·00090	·00224	·00899	·05485	·00834
1946*	·04229	·00185	·00070	·00205	·00879	·05543	·00822

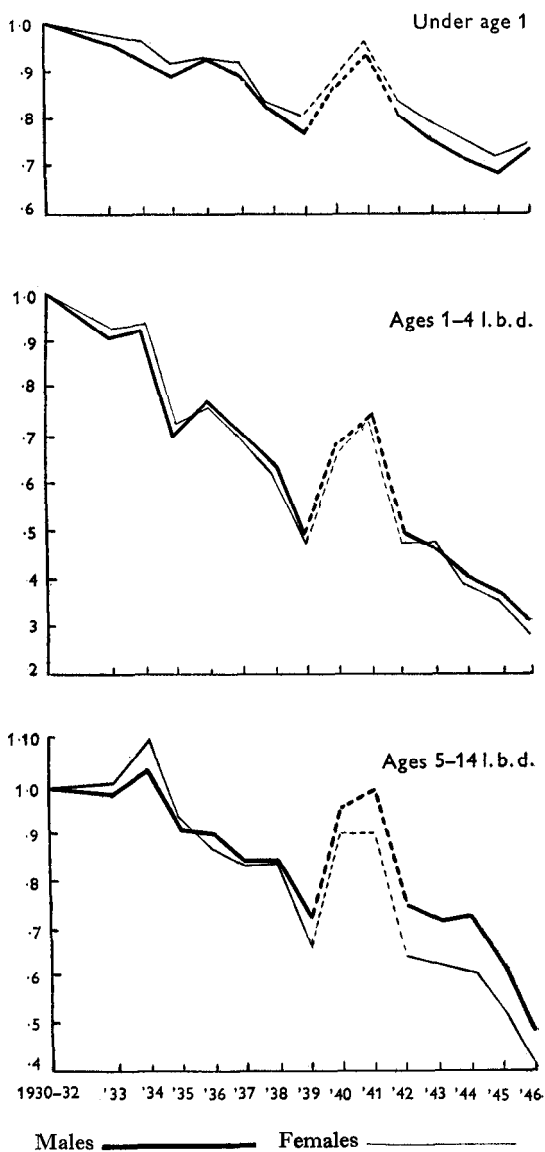
* After these Tables had gone to press, the Registrar-General's estimate of the age distribution of the population was revised. This revision results in alterations of 2 per cent or more in a number of age groups, and for the age group 85 and over for men there is an increase in the mortality rate of as much as 7 per cent. Group Tables based on the revised estimate of the population will be included in the next number of the Journal.

Table 3. Ratios of standardized death-rates for age-groups in England and Wales to the rates for 1930-31-32 (standardized on 1931 census age distribution)

Year	Age-group						All ages
	Under I	I-4	5-14	15-44	45-64	65 & over	
MALES							
1930-32	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1933	.961	.911	.989	1.013	1.021	1.003	1.002
1934	.929	.923	1.037	.925	.985	.955	.958
1935	.888	.709	.916	.888	.975	.964	.938
1936	.921	.768	.895	.862	1.001	.997	.961
1937	.895	.710	.842	.878	1.027	1.008	.969
1938	.818	.640	.842	.821	.949	.945	.902
1939	.768	.486	.721	.790	.985	.986	.911
1940	.867	.677	.953	1.161	1.163	1.083	1.076
1941	.930	.738	.989	1.244	1.029	.964	1.011
1942	.804	.493	.747	1.021	.909	.879	.883
1943	.751	.461	.716	1.057	.933	.886	.891
1944	.710	.395	.726	1.062	.918	.855	.867
1945	.679	.364	.626	1.000	.894	.849	.843
1946*	.727	.293	.479	.652	.873	.851	.786
FEMALES							
1930-32	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1933	.979	.922	1.011	1.027	1.015	1.033	1.019
1934	.962	.934	1.092	.943	.951	.956	.956
1935	.913	.722	.931	.907	.934	.958	.932
1936	.927	.765	.862	.871	.944	.993	.948
1937	.918	.703	.828	.880	.957	1.012	.957
1938	.831	.625	.833	.793	.874	.917	.871
1939	.800	.476	.655	.781	.895	.957	.883
1940	.876	.656	.897	.955	1.009	1.052	.997
1941	.957	.737	.897	.907	.891	.925	.908
1942	.833	.470	.638	.763	.794	.824	.792
1943	.785	.468	.621	.769	.800	.855	.805
1944	.746	.375	.603	.742	.769	.799	.760
1945	.712	.347	.517	.673	.751	.802	.742
1946*	.741	.273	.402	.616	.734	.810	.731

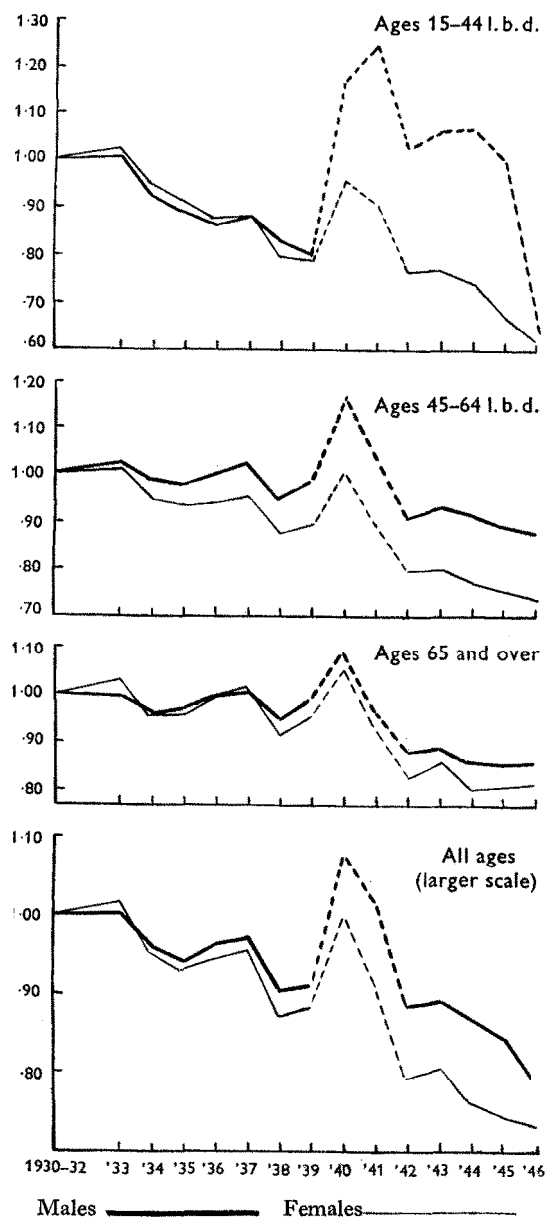
* See note on p. 346.

Ratios of group death-rates (standardized) to 1930-32 rates



Ratios markedly affected by war conditions have been joined together by broken lines.

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