

Article from:

The Actuary

April 1974 – Volume 8, No. 4

WHITE VS. NONWHITE MORTALITY T THE OLDER AGES

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One feature discussed in the 1972 paper on "Mortality of the Aged" (TSA XXIV, pp. 1-24) was a crossover of mortality rates around age 81, after which age nonwhite mortality is lower than white mortality. Some doubt existed then and still exists today as to whether the crossover in mortality at the older ages is truly real or just the result of some data imperfections. We are presenting here what we believe is the best age statement data now available from Medicare statistics.

As was discussed in the article, the aged population eligible for Medicare can be distributed into several groups. The first of these groups, which accounts for about 90% of the eligible population, consists of individuals who are also eligible to receive a monthly cash benefit from either the Social Security program the Railroad Retirement system. We elieve that this group has the highest quality of age statement that could be obtained without a special study or reclassification of the data. It should be observed that a large majority of these individuals had to "prove" their age under rigorous conditions, since less than 2% become entitled to benefits after age 72, which is the highest significant age in the program.

The other groups in the eligible population are relatively small and should be regarded as having age statement data of lower reliability, since in many cases the individuals have not had to "prove" their ages as rigorously.

Table 1 is based on data pertaining to the first group — that is, to those eligible to receive monthly cash benefits. Although, on the average, the data refer to about 90% of all the Medicare population, this proportion varies by age. For example, it is about 95% at ages 65-69, about 85% at ages 80-84, and about 60% at ages 90-94.

It should be observed that according to Table 1, based on data for calendar years 1969-71, there is a crossover in mortality around age 82. On the basis of these most reliable data, we have no reason to believe that the crossover is

TABLE 1

COMPARISON OF UNGRADUATED MORTALITY RATES BY COLOR, ACCORDING TO SOCIAL SECURITY DATA FOR CALENDAR YEARS 1969-71

	Vonwhite	7771 1		Male		Ratio	
		White	Nonwhite	White	Col. (2)	Col. (4)	
Calendar					to Col. (3)	to Col. (5)	
Age (1)	(2)	(3)	(4)	(5)	(6)	(7)	
							
66 .(02167	.01540	.03866	.03418	1.407	1.131	
67 .0	02368	.01700	.04048	.03702	1.393	1.093	
68 .0	02551	.01853	.04407	.03979	1.377	1.108	
69 .0	02857	.02066	.04774	.04314	1.383	1.107	
70 .0	03123	.02279	.05035	.04668	1.370	1.079	
71 .0	03333	.02511	.05376	.04996	1.327	1.076	
72 .0	3493	.02787	.05687	.05376	1.253	1.058	
73 .0	03967	.03072	.06239	.05789	1.291	1.078	
74 .0	04260	.03397	.06857	.06226	1.254	1.101	
75 .0	04652	.03790	.07247	.06667	1.228	1.087	
76 .0	04985	.04242	.07704	.07225	1.175	1.066	
77 .0	05434	.04658	.08278	.07947	1.167	1.042	
78 .0	06039	.05149	.08728	.08417	1.173	1.037	
79 .0	06475	.05752	.09443	.09061	1.126	1.042	
0. 08	06850	.06380	.09927	.09846	1.074	1.008	
81 .0	07691	.07128	.10732	.10641	1.079	1.009	
82 .0	08103	.07879	.11551	.11435	1.028	1.010	
83 .0	08757	.08773	.11750	.12410	.998	.947	
84 .0)9459	.09630	.12596	.13399	.982	.940	
85 .1	L0096	.10705	.13440	.14449	.943	.930	
86 .1	11022	.11817	.13932	.15559	.933	.895	
87 .]	11908	.12844	.15114	.16643	.927	.908	
88	1 2 488	.14121	.15655	.17924	.884	.873	
.1 89	13266	.15306	.17351	.19514	.867	.889	
90 .1	14244	.16750	.17404	.20750	.850	.839	
91 .1	15494	.18062	.18604	.22184	.858	.839	
92 .1	16402	.19752	.19086	.24017	.830	.795	
93 .1	18140	.21192	.20147	.25139	.856	.801	
	17067	.23105	.19671	.26880	.739	.732	
95 .]	16349	.24778	.22542	.28208	.660	.799	

not real.

We offer no explanation for the crossover. The late Mortimer Spiegleman and other demographers have suggested that this could be due to a "weeding-out" process in which the non-white persons who survive to older ages are healthier than the white survivors.

PERSONAL

One of the oldest members of the Society W. Rulon Williamson was recently the victim of a severe mugging attack. He is still a patient in the Cafritz Memorial Hospital, 1310 Southern Avenue, S.E., Washington, D. C. We are glad to report that his condition is greatly improved and we hope he will soon be back home.

Social Security Note

A. Rettig and O. Nichols, Changes in Social Security Benefits Under Public Law, 93-233, Actuarial Note No. 85, March 1974. Social Security Administration, Baltimore, Maryland, pp. 16.

This Actuarial Note discusses some of the features of the Social Security Amendments enacted on December 31, 1973. It presents tables showing illustrative monthly benefits and a Fortran V computer program for reproducing the exact primary insurance amounts in the benefit table. It also includes the discussion of the automatic benefits provision.

Free copies may be obtained from the Office of the Actuary, Social Security Administration, now located in Suite 700, Altmyer Building, 6401 Security Boulevard, Boltimore, Md. 21235.