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## Two Assumptions

This study of preventable deaths in North Carolina is founded on two basic assumptions. The acceptance of these primary principles is necessary to approving the findings of the study. These assumptions are: (I) The geo-physical conditions in rural and urban areas of North Carolina are as favorable to a low death rate as in any other state; and (2) The people of North Carolina are as sound biologically as are the peoples in any other state. Therefore, death rates comparable to the lowest in the nation are to be expected in North Carolina.

However, 37 states had lower adjusted I/ death rates than North Carolina in 1940. Therefore, if the above statements are accopted, it must be concluded that medical care in North Carolina is not what it should be. Obviously, the people of North Carolina do not receive all the medical care services that they need. Although it is not the purpose of this paper to place the blame for the poor medical care, it may be said that both public and private agencies and personnel are inadequate.

## What is a Preventable Death?

There are several methods of measuring preventable deaths. Perhaps the deaths most usually thought of as preventable are those connected with accidents or communicable diseases of childhood. It is generally agreed that a great many of the infant deaths and maternal deaths are preventable.

[^0]These definitions are good as far as they go, but we have available a much more inclusive and accurate deiinition which has meaning for both layman and statistician.

In this report, preventable deaths are those deaths which would not have occurred if the death rates by age in North Carolina had been as low as those in any other state's major residential group. It may be safely assumed that the death rate for each age group in the state could be lowered to the lowest death rate that prevails in any age and residence group in the nation. This is possible by means of a complete medical care program that will reach the neods of everyone.

In 1940, Nebraska had the lowest adjusted death rate of any state in the nation and South Carolina had the highest. This adjusted death rate, however, is not the stahdard against which the people of North Carolina should measure their position and it is not the position for which they should strive. The minimum standard should be doath rates comparable to the lowest residence and age group rates in the nation The problem, therefore, resolved'itself into finding the residence class, mural and urban, and age group having the lowest rates in 1940.2/ These lowest rates are found among white people in the following states: 3/

| Age Group | Residence and state | $\begin{gathered} \text { Population, } \\ 1940 \end{gathered}$ | Rate per 1,000 |
| :---: | :---: | :---: | :---: |
| Under 1 yr. | Rural Oregon | 8,871 | 28.4 |
| 1-4 | Urban Wisconsin | 97,4:77 | 1.4 |
| 5-14 | Rural Arizona | 55, 100 | 0.5 |
| 15-24 | Urban Rhode Is land | 119,419 | 0.8 |
| 25-34 | Urban Massachusetts | s 596,621 | 1.3 |
| 35-44 | Rural Kansas | 131,620 | 2.6 |
| 45-54 | Rural Iowa | 171,325 | 5.2 |
| 55-64 | Rural Arizona | 16,740 | 11.5 |
| 65-74 | Rural Arizona | 8,142 | 27.3 |
| 75-up | Rural Arizona | 3,010 | 72.8 |

[^1]The estimated number of deaths that would have occurred in the state is obtained by applying these rates to the population for North Carolina as enumerated by the Census Bureau in 1940. The difference between the number of deaths that actually occurred in 1940 and the number that should have occurred, is the number of preventable deaths.

## Number and Distribution of Preventable Deaths

In 1940, there were 31,904 deaths in the state, but if North Carolina had experienced the low rates shown above there would have been 16,642 fewor deaths. Actually this would have meant 52.2 por cent fower doaths, or 52.2 pev cent of all doaths in tho state were preventablo in that yoar.

By the same standard, there would have been 8,915 or 44 per cent fewer deaths in the white population and 7.727 or 66.3 per cent fewer , nonwhite deaths. These deaths were preventable in the sense that they need not have occurred during the year.

## Table 1.

Preventable Deaths in North Carolina
by Residence and Color, 1940.

| Residence and color | $\begin{gathered} \text { Deaths, } \\ 1940 \end{gathered}$ | : Estimatiod <br> : deatis, <br> : 2910 | Frerentebie deaths |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Number | Per cent |
| T.otal | 31,904 | 15,262 | 16,642 | 52.2 |
| White | 20,257 | 11,342 | 8,915 | 44.0 |
| Nonwhite | 11,647 | 3,920 | 7,727 | 66.3 |
| Rural | 21,924 | 11,227 | 10,697 | 48.8 |
| White | 14,548 | 8,436 | 6,112 | 42.0 |
| Nonwhite | 7,376 | 2,791 | 4,585 | 62.2 |
| Urban | 9,980 | 4,035 | 5,945 | 59.6 |
| White | 5,709 | 2,906 | 2,803 | 49.1 |
| Nonwhite | 4.271 | 1,129 | 3,142 | 73.6 |

Source: U. S. Census and U.S. Vital Statistics, 1940.

Death rates in the rural pepulation are still lower than for residents in urban areas of the state. It follows, therefore, that the
proportion of deaths classified as preventable is lower for rural than urban areas. Rural death rates more nearly approach the low rates used as the basis of this study. Even so, nearly half, 48.8 per cent of the deaths among rural residents were preventable as compared with six out of each ten, or 59.6 per cent, preventable deaths in urban areas. The loss of life among nonwhite urban residents is excessive - 73.6 per cent of these deaths were preventable.

Table 2.
Preventablo Deaths in North Carolina by Size of Urban Contor and Color, 1940.


Source: U. S. Census and U. S. Vital Statistics, 1940.

Tablo 2 shows a distribution of proventable doaths in urban aroas by size of contor. The proportion of doaths which are proventable is highost for cities with $25,000-49,999$ population and cities with 2,500-9,999 population would have the smallest proportionate saving in life. On a percentage basis, nonwhite preventable deaths in North Carolina aro most numerous in the city with a population of over 100,000;
also, death rates in the white population in this city more nearly approach the lowest rates than other size cities.

As shown above, death rates are not uniform throughout the state. There are three or four large geographical areas in the state. In many ways these are much more than geographical areas and in some respects, they more nearly approach the idea of cultural regions. These areas are Mountain, Piedmont and Coastal Plain; somotimos the Coastal Plain is divided so as to form a Tidewater area.

The proportion of doaths which need not have occurrod in 1940 dearease from east (Coastal Plain) to west (Mountain). In fact, if tho Tidewator aroa is includod as a separato region, this situation is oven more oxtrome: 58.7 por cent of the Tidowator doaths are preventable as compared with 42.9 per cent of the deaths in the Mountain area. Deaths in the white population follow the same pattern: highest in the east and lowest in the west. Preventable nonwhite deaths are about the same in the Coastal Plain and Piedmont but still lowest in the Mountain area.

Table 3.
Preventable Deaths in North Carolina by Region and Color, 1940.

| Region and color | Deaths, 1940 | $\begin{aligned} & \text { : Estimated } \\ & : \quad \text { deaths, } \\ & : \quad 1940 \\ & \hline \end{aligned}$ | ; Preventable deaths. |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | : Number | : Per cent |
| Coastal Plain | 12,177 | 5,154 | 7,023 | 57.7 |
| White | 6,135 | 3,117 | 3,018 | 49.2 |
| Nonwhite | 6,042 | 2.037 | 4,005 | 66.3 |
| Piedmont | 14,501 | 7,126 | 7,375 | 50.9 |
| White | 9,453 | 5,448 | 4,005 | 42.4 |
| Nonwhite | 5,048 | 1,678 | 3,370 | 66.8 |
| Mountain | 5,226 | 2,984 | 2,242 | 42.9 |
| White | 4,669 | 2,775 | 1,894 | 40.6 |
| Nonwhite | 557 | 209 | 348 | 62.5 |

Source: U. S. Census and U.S. Vital Statistios, 1940.

Studies in North Carolina of rates of rejoction of men called for

military service show a regional pattern similar to that for preventable deaths.

There is great variation among the counties with respect to the percentage of deaths in 1940 that can be classified as preventable. The following demonstrates this point of range:

| Rank |  | County |
| :---: | :--- | :---: |
| (1) Lowest | Alexander | Per cent |
| (100) Highest | Wayne | 79.0 |

The percentage of preventable deaths is under 25.0 in two countigs, and an additional 47 countios aro in the percontago class of $25.0-49.9$. This moans, thon, that at loast half of all deaths in 51 countios of tho stato aro provontablo.

The county range for tho whito population is also vory great as the following shows:

|  | Rank | County | Per cent |
| :---: | :---: | :---: | :---: |
| (1) | Lowest | Alexander | 15.8 |
| (100) | Highest | Burke | 60.8 |

The precentage of preventable deaths is under 25.0 in six counties and an additional 74 counties are in the percentage class of 25.0-49.9. In the remaining 20 counties, one-half or more of the white deaths need not have occurred in 1940.

A much greater proportion of the nonwhite than white deaths are preventable. In 1940, 82.4 per cent of all nonwhite deaths in Wayne County were preventable; this is the highest proportion for any county. In four counties, more than three-fourths of the deaths need not have oocurred in 1940. In 80 counties, $50.0-74.9$ per cent of the deaths were preventable. In the romaining 16 counties the lives savod would havo boon loss than 50 por cont.

Table 4.
Preventable Deaths in North Carolina,
by Color, 1940.

| County | : White$:$ Deaths,: Preventable deaths$: 1940:$ Number:Percent :Rank |  |  |  | Nonwhite |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\text { Deaths: } 1940: \frac{\text { Proventable deaths }}{\text { Number: Porcont:Rank }}$ |  |  |  |
| Alamance | 316 | 117 | 37.0 | 20 | 96 | 55 | 57.3 | 33 |
| Alexander | 76 | 12 | 15.8 | 1 | 8 | 4 | 50.0 | 17 |
| Alleghany | 61 | 13 | 21.3 | 3 | 3 | 1 | 33.3 | 5 |
| Anson | 134. | 67 | 50.0 | 80 | 144 | 88 | 61.1 | 46 |
| Ashe | 205 | 89 | 43.4 | 44 | 7 | 5 | 71.4 | 86 |
| Avery | 93 | 33 | 35.5 | 15 | 2 | 1 | 50.0 | 17 |
| Beaufort | 232 | 1.26 | 54.3 | 93 | 221 | 161 | 72.8 | 92 |
| Bertie | 108 | 52 | 48.1 | 69 | 165 | 107 | 64.8 | 56 |
| Bladen | 139 | 69 | 49.6 | 78 | 111 | 66 | 59.5 | 38 |
| Brunswick | 110 | 61 | 55.5 | 96 | 76 | 53 | 69.7 | 76 |
| Buncombe | 747 | 299 | 40.0 | 32 | 214 | 150 | 70.1 | 81 |
| Burke | 390 | 237 | 60.8 | 100 | 28 | 13 | 46.4 | 13 |
| Cabarrus | 334 | 149 | 44.6 | 52 | 118 | 83 | 70.3 | 82 |
| Caldwell | 255 | 114 | 44.7 | 53 | 31 | 19 | 57.6 | 34 |
| Camden | 37. | 19 | 51.4 | 87 | 30 | 21 | 70.0 | 78 |
| Carteret | 149 | 68 | 45.6 | 59 | 4.5 | 34 | 75.6 | 97 |
| Caswell | 77 | 26 | 33.8 | 13 | 68 | 32 | 4.7 .1 | 15 |
| Catawba | 317 | 119 | 37.5 | 24 | 53 | 31 | 58.5 | 37 |
| Chatham | 153 | 65 | 42.5 | 43 | 76 | 42 | 55.3 | 29 |
| Cherokee | 140 | 55 | 39.3 | 28 | 3 | 2 | 66.7 | 66 |
| Chowan | 57 | 26 | 45.6 | 59 | 66 | 4.1 | 62.1 | 50 |
| Clay | 42 | 11 | 26.2 | 7 | 3 | 2 | 66.7 | 66 |
| Cleveland | 319 | 126 | 39.5 | 30 | 75 | 28 | 38.3 | 7 |
| Columbus | 258 | 131 | 50.8 | 84 | 165 | 110 | 66.7 | 66 |
| Craven | 151 | 70 | 46.4 | 62 | 227 | 165 | 72.7 | 91 |
| Cumberland | 302 | 153 | 50.7 | 83 | 232 | 154 | 66.4 | 63 |
| Currituck | 47 | 22 | 46.8 | 63 | 30 | 20 | 66.7 | 66 |
| Dare | 53 | 24 | 45.3 | 56 | 7 | 5 | 71.4 | 86 |
| Davidson | 361 | 159 | 44.0 | 47 | 67 | 44 | 65.7 | 61 |
| Davie | 111 | 42 | 37.8 | 25 | 33 | 23 | 69.7 | 76 |
| Duplin | 214 | 106 | 49.5 | 77 | 131 | 79 | 60.3 | 40 |
| Durham | 393 | 172 | 43.8 | 46 | 344 | 242 | 70.3 | 82 |
| Edgecombe | 201 | 108 | 53.7 | 92 | 267 | 163 | 61.0 | 45 |
| Forsyth | 646 | 287 | 44.4 | 51 | 568 | 422 | 74.3 | 95 |
| Franklin | 147 | 68 | 46.3 | 61 | 105 | 55 | 52.4 | 22 |
| Gaston | 467 | 182 | 39.0 | 27 | 125. | 77 | 61.6 | 48 |
| Gates | 66 | 37 | 56.1 | 97 | 61 | 38 | 62.3 | 51 |
| Graham | 37 | 1.1 | 29.7 | 9 | 5 | 4 | 80.0 | 99 |
| Granville | 118 | 52. | 44.1 | 48 | 14.7 | 89 | 60.5 | 42 |
| Greene | 68 | 30 | 44.1 | 48 | 56 | 27 | 48.2 | 16 |
| Guilford | 902 | 394 | 43.7 | 45 | 411 | 294 | 71.5 | 88 |
| Halifax | 168 | 65 | 38.7 | 26 | 323 | 195 | 60.4 | 41 |
| Harnett | 253 | 124 | 49.0 | 76 | 132 | 87. | 65.9 | 62 |
| Haywood | 237 | 36 | 36.3 | 18 | 12 | 8 | 66.7 | 66 |
| Henderson | 222 | 91 | 41.0 | 37 | 39 | 29 | 74.4 | 96 |
| Hertford | 73 | 33 | 45.2 | 55 | 131 | 86 | 65.6 | 60 |
| Hoke | 52 | 25 | 48.1 | 69 | 84 | 50 | 59.5 | 38 |
| Hyde | 48 | 19 | 39.6 | 31 | 28 | 15 | 53.6 | 25 |
| Iredell | 329 | 133 | 40.4 | 34 | 146 | 104 | 71.2 | 85 |
| Jackson | 141 | 57 | 40.4 | 34 | 20 | 14 | 70.0 | 78 |

Table 4. Continued

| County | White |  |  |  | Nonwhite |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Deaths: Preventable deaths$: 1940:$ Number \& Percent:Rank |  |  |  | $\begin{aligned} & \text { Deaths: } \frac{\text { Preventable deaths }}{1940 \text { :Number : Percent:Rank }} \end{aligned}$ |  |  |  |
| Johnston | 374 | 180 | 48.1 | 69 | 120 | 67 | 55.8 | 31 |
| Jones | 54 | 27 | 50.0 | 80 | 43 | 25 | 58.1 | 36 |
| Lee | 105 | 43 | 41.0 | 37 | 83 | 61 | 73.5 | 94 |
| Lenoir | 227 | 133 | 58.6 | 99 | 210 | 143 | 68.1 | 73 |
| Lincoln | 151 | 54 | 35.8 | 17 | 31 | 17 | 54.8 | 27 |
| McDowell | 179 | 85 | 47.5 | 66 | 30 | 20 | 66.7 | 66 |
| Macon | 107 | 29 | 27.1 | 8 | 4 | 1 | 25.0 | 4 |
| Madison | 161 | 57 | 35.4 | 14 | 2 | 1 | 50.0 | 17 |
| Martin | 129 | 74 | 57.4 | 98 | 92 | 43 | 46.7 | 14 |
| Mecklenburg | 767 | 321 | 41.9 | 41 | 585 | 427 | 73.0 | 93 |
| Mitchell | 119 | 48 | 40.3 | 33 | 0 | 0 | 0 | 1 |
| Montgomery | 95 | 35 | 36.8 | 19 | 33 | 17 | 51.5 | 21 |
| Moore | 144 | 31 | 21.5 | 5 | 89 | 50 | 56.2 | 32 |
| Nash | 282 | 146 | 51.8 | 89 | 272 | 181 | 66.5 | 65 |
| New Hanover | 303 | 156 | 51.5 | 88 | 316 | 243 | 76.9 | 98 |
| Northampton | 75 | 16 | 21.3 | 3 | 104 | 35 | 33.7 | 6 |
| Onslow | 122 | 62 | 50.8 | 84 | 70 | 49 | 70.0 | 78 |
| Orange | 140 | 62 | 44.3 | 50 | 77 | 50 | 64.9 | 57 |
| Pamilico | 62 | 29 | 46.8 | 63 | 31 | 17 | 54.8 | 27 |
| Pasquotank | 123 | 64 | 52.0 | 90 | 113 | 76 | 67.3 | 72 |
| Pender | 81 | 34 | 42.0 | 42 | 107 | 71 | 66.4 | 63 |
| Perquimans | 45 | 16 | 35.6 | 16 | 39 | 18 | 46.2 | 12 |
| Person | 119 | 54 | 45.4 | 57 | 77 | 41 | 53.2 | 23 |
| Pitt | 250 | 121 | 48.4 | 74 | 298 | 194 | 65.1 | 58 |
| Polk | 66 | 13 | 19.7 | 2 | 15 | 8 | 53.3 | 24 |
| Randolph | 294 | 110 | 37.4 | 23 | 46 | 28 | 60.9 | 44 |
| Richmond | 217 | 119 | 54.8 | 94 | 133 | 87 | 65.4 | 59 |
| Robeson | 297 | 142 | 47.8 | 67 | 409 | 256 | 62.6 | 52 |
| Rockingham | 332 | 138 | 41.6 | 40 | 137 | 88 | 64.2 | 54 |
| Rowan | 350 | 110 | 31.4 | 12 | 170 | 116 | 68.2 | 74 |
| Rutherford | 280 | 104 | 37.1 | 21 | 47 | 21 | 44.7 | 11 |
| Sampson | 248 | 120 | 48.4 | 74 | 164 | 101 | 61.6 | 48 |
| Scotland | 101 | 56 | 55.4 | 95 | 120 | 73 | 60.8 | 43 |
| Stanly | 238 | 121 | 50.8 | 84 | 36 | 22 | 61.1 | 46 |
| Stokes | 178 | 86 | 48.3 | 73 | 18 | 7 | 38.9 | 8 |
| Surry | 334 | 161 | 48.2 | 72 | 27 | 15 | 55.6 | 30 |
| Swain | 60 | 13 | 21.7 | $6{ }^{\prime}$ | 19 | 12 | 63.2 | 53 |
| Transylvania | 97 | 44. | 45.4 | 57 | 6 | 3 | 50.0 | 17 |
| Tyrrell | 28 | 11 | 39.3 | 28 | 15 | 6 | 40.0 | 9 |
| Union | 215 | 80 | 37.2 | 22 | 120 | 83 | 69.2 | 75 |
| Vance | 136 | 65 | 47.8 | 67 | 130 | 75 | 57.7 | 35 |
| Wake | 691 | 368 | 53.3 | 91 | 514 | 369 | 71.8 | 89 |
| Warren | 81 | 38 | 46.9 | 65 | 185 | 119 | 64.3 | 55 |
| Washington | 62 | 31 | 50.0 | 80 | 79 | 56 | 70.9 | 84 |
| Watauga | 145 | 60 | 41.4 | 39 | 1 | 0 | 0 | 1 |
| Wayne | 273 | 136 | 49.8 | 79 | 568 | 468 | 82.4 | 100 |
| Wilkes | 276 | 83 | 30.1 | 10 | 28 | 15 | 53.6 | 25 |
| Wilson | 213 | 96 | 45.1 | 54 | 284 | 206 | 72.5 | 90 |
| Yadkin | 160 | 65 | 40.6 | 36 | 10 | 4 | 40.0 | 9 |
| Yancey | 115 | 36 | 31.3 | 11 | 1 | 0 | 0 | 1 |

Source: U. S. Census and U. S. Vital Statistios, 1940.

## 

KORTE CAROLITA, 1940.



Many of the preventable deaths occur during childhood and youth. If in 1940, the death rate in North Carolina had been 28.4 for infants under 1 year, there would have been 2,640 fower doaths; or 56.9 per cont of all infant doaths in tho stato woro provontable.

The groatost proportionato saving would havo boon in tho ago group 15 - 24 years and 68.8 per cent of all these deaths would not have ocourred that year; and the greatest proportionate unnecessary loss of life for both rural and urban populations is in this age group. In 1940, 65, 4 per cent of the rural and 75.0 per cent of the urban deaths among people of this age were preventable. This is also true for both white populations and for the urban nonwhite, but for the rural nonwhito population the saving of lives would be greatest in tho ago group 25-34 yoars. In urban contors of the state, 87.4 por cont of the nonwhite doaths woro prevontable in tho ago group 15-24 as woro 86.0 per cont of thoso in the 25-34 age class.

The very sudden drop in the percentage of nonvhite deaths which are preventable in the two oldest age groups, and especially the oldest, should be viewed with caution. The number of nonwhites 65 years of age and over recorded by the Census Bureau in North Carolino for 1940, is much greater than could have reasonably been expocted on any basis. Well recognized incentives undoubtedily had a great deal to do in this situation.

## Marshalling Forces

The proooding section tells a story of stark reality - a story of thousands of North Carolinians who should not have died in the year in which they did. The direct results of these preventable deaths are broken hearts and homes, of grim tragedy measurable only in terms of social and economic waste of the first magnitude.

There is a bright side to this picture and definito progress along

Table 5.
Number and Percentage Distribution of Preventable Deaths In North Carolina by Residence, Color and Age, 1940.

| Age | Preventable deaths |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Rural |  | Urban |  |  |
|  | Number | Per cont | Number | : | Per cent |
| Total |  |  |  |  |  |
| Total | 10,697 | 48.8 | 5,945 |  | 59.6 |
| Under 1 | 1.950 | 55.4 | 690 |  | 61.4 |
| 1-4 | 412 | 54.7 | 124 |  | 58.8 |
| $5-14$ | 267 | 46.5 | 114 |  | 57.3 |
| 15-24 | 836 | 65.4 | 495 |  | 75.0 |
| 25-34 | 923 | 64.9 | 649 |  | 72.3 |
| 35-44 | -827 | 53.5 | 729 |  | 66.6 |
| 45-54 | 1,000 | 47.8 | 933 |  | 65.9 |
| 55-64 | 1;428 | 46.5 | 997 |  | 61.3 |
| 65-74 | $1 ; 461$ | 38.5 | 713 |  | 46.7 |
| 75-up | 1,593 | 41.1 | 501 |  | 40.9 |
| White |  |  |  |  |  |
| Total | 6,112 | 42.0 | 2,803 |  | 49.1 |
| Under 1 | 1,036 | 48.9 | 304 |  | 50.2 |
| 1-4 | 184 | 43.8 | 50 |  | 45.9 |
| 5-14 | 121 | 36.0 | 53 |  | 48.2 |
| 15-24 | 346 | 52.5 | 134 |  | 54.3 |
| 25-34 | 376 | 50.1 | 177 |  | 50.7 |
| 35-44 | 329 | 37.4 | 230 |  | 47.8 |
| 45-54 | 433 | 33.9 | 383 |  | 52.4 |
| 55-64 | 819 | 38.8 | 513 |  | 51.6 |
| 65-74 | 1,108 | 38.5 | 505 |  | 46.5 |
| 75-up | 1,360 | 43.6 | 454 |  | 45.6 |
| Nonwhite |  |  |  |  |  |
| Total | 4,585 | 62.2 | 3, 142 |  | 73.6 |
| Under 1 | 914 | 65.3 | 386 |  | 74.5 |
| 1-4 | 228 | 68.5 | 74 |  | 72.5 |
| 5-14 | 146 | 61.3 | 61 |  | 68.5 |
| 15-24 | 490 | 79.0 | 361 |  | 87.4 |
| 25*34 | 547 | 81.5 | 472 |  | 86.0 |
| 35-44 | 498 | 74.7 | 499 |  | 81.3 |
| 45-54 | 567 | 69.4 | 550 |  | 80.4 |
| 55-64 | 609 | 63.4 | 484 |  | 76.7 |
| 65-74 | 353 | 38.6 | 208 |  | 47.1 |
| 75-up | 233 | 30.9 | 47 |  | 20.5 |

[^2]
this line is observable and measurable. The rate at which people die has been decreasing in North Carolina for both the white and Negro population. The result is now that people can expect to live longer, from a given age, than in former years. This progress can be measured in terms of lives saved. General progress in medical science and extension of public health programs and practices meant a. saving of about 12,000 lives in 1940 as compared with death rates of two decades previously; that is, there would have been about 12,000 more deaths in 1940 if the 1920 death rates had prevailed。

The process of seving human lives can be speeded up. Well known are the factors which, when put into operation, can prevent these deaths from occurring.

These lives can be saved by means of a complete hospital and medical care program. Such a program ombodios throe spocific points, all of which will need to be considered at the same time. The three points in such a dynamic program are: (I) To insure mooting adequately tho medical care needs of all the people: there is urgent neod for incroased facilities and persomel. The need is urgent in North Carolina for more doctors, hospital and clinical facilities, dontists, nurses, and public health oducators and porsonnel. (2) The poople must becomo conscious of the neod for complete medical care. An awaronoss must be aroused and the poople must want good medical caro sorvico. With this must come the knowledge of the oxisting servicos availablo through prosont facilitios and ospocially through local public health programs. In simplast terms this is an appreciation by the people for the need of adequato medical care. (3) A method must be found that will enable the people to pay for the necessary anount and quality of modern medical science. The economic barrier between the people and the fecilities and personnel must be eliminated.

The above three points are not isolated units and they are so
interwoven as to forma pattern of completo medical care services. The
physical and personnel equipment, the educational equipment, and the economic equipment mist be ropaired and basically improved at the same time. The welfare of all the pooplo is too important to hesitate longer. The time for action is now:

Continuous Vigilance

Statos used in this study with the lovest doath ratos are also interested in more adequate medical care. Espocially important is the more equitablo distribution of medical care scrvicos availablo to pooplo in rural arcas. When these low rates become c. reality in North Carolina, vigilance must be continued because the ultimete limits to which age specific death rates can be lowered is not knc wn now.


[^0]:    I/ Based on the deaths from 1 to 75 years and adjusted to the age distribution of the United States population in 1940.

[^1]:    2/ In 1940, some areas such as specific cities or counties had death rates lower than these, but it was thought infeasible to use such rates in North Carolina.

    3/Vital Statistics Rates in the United States, 1900-1940; Table 11.

[^2]:    Source: U. S. Census and U. S. Vital Statistics, 1940.

