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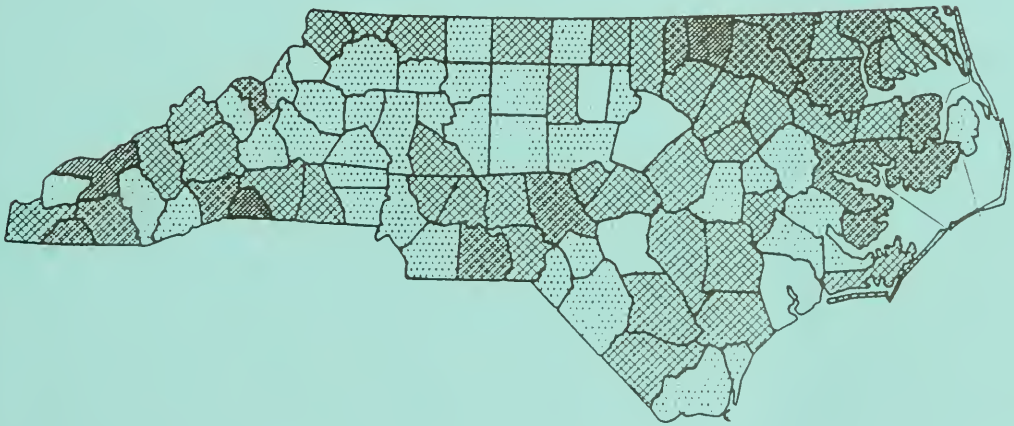
# LEADING CAUSES OF MORTALITY



North Carolina
Vital Statistics
1985—Volume 2

# LEADING CAUSES OF MORTALITY

## North Carolina Vital Statistics 1985—Volume 2

SCHS
State Center For Health Statistics
N.C. Department of Human Resources
Division of Health Services

STATE OF NORTH CAROLINA
James G. Martin, Governor

DEPARTMENT OF HUMAN RESOURCES
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January 1987

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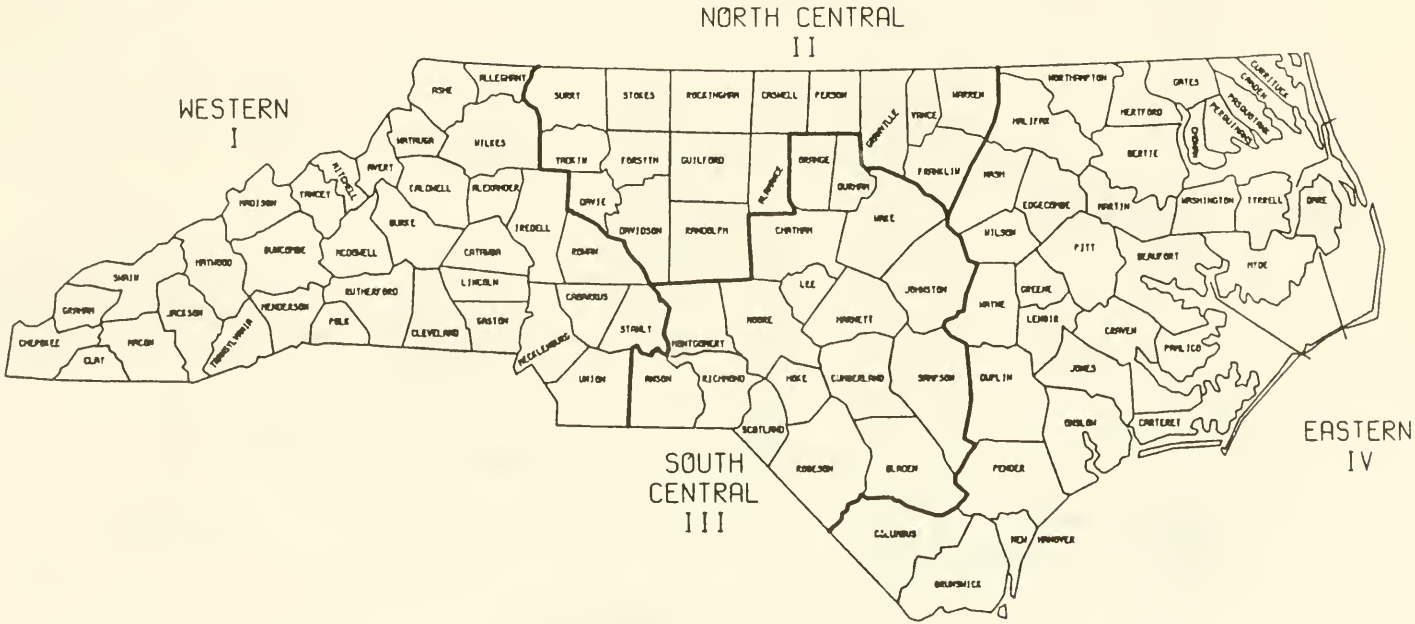
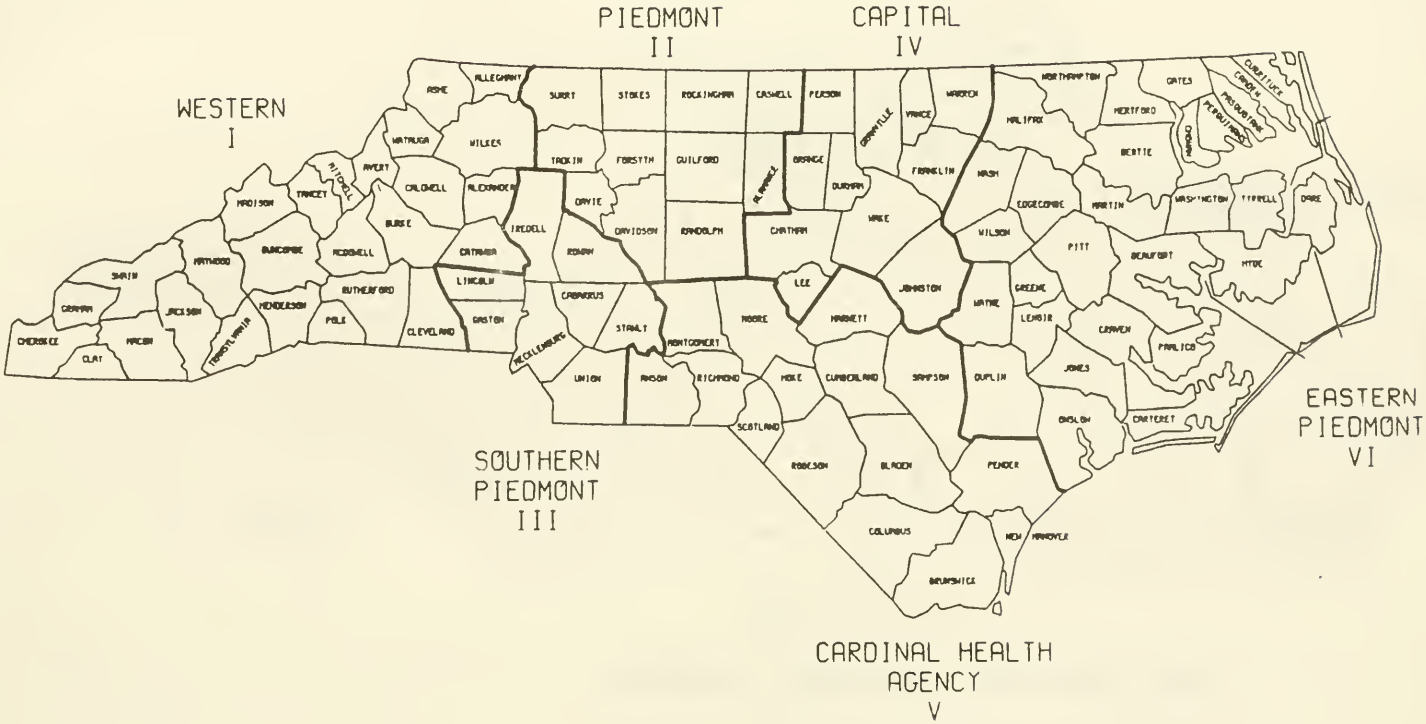


# NORTH CAROLINA HEALTH SERVICE AREAS



# PREFACE

The State Center for Health Statistics has produced periodically a major publication describing North Carolina's mortality experience for a five-year period. The 1981 *Leading Causes of Mortality*, the third major publication of this type, included statistical tables, maps, and graphs as well as an analysis for each leading cause of death in North Carolina. In the interim years, the State Center publishes supportive reports of mapped and tabular data only.

This edition of *Leading Causes of Mortality* is a supportive report which should be used in conjunction with the 1981 edition for purposes of health planning and analysis. Another report that can be used is *Detailed Mortality Statistics* which provides annual counts of deaths classified according to detailed underlying causes of death and the age, race, and sex of decedents.

The tables and maps in this report show selected mortality statistics for counties, Department of Human Resources regions, Health Services Areas, and the state (see maps on preceding pages). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables and maps. In addition, the site-specific cancers and total infant mortality are also tabled and mapped. Table 1 on page 4-3 describes the selected cause-of-death categories in terms of codes from *International Classification of Diseases* (Ninth Revision). Altogether, the causes included in this report accounted for 85.7 percent of all North Carolina deaths during 1985.

As with previous editions, multiple conditions present at death are included in this volume. Three diseases in particular—hypertension, atherosclerosis, and diabetes—are considered associated conditions far more often than they are considered an underlying cause. Hence, Figures 29.A through 31.B display 1981-85 county rates for deaths associated with a mention of each of these diseases.

IN USING THIS VOLUME PARTICULAR ATTENTION IS CALLED TO THE SECTIONS ON *INTERPRETATION OF MORTALITY RATES* AND *FLAGGING BIASED RATES*.

# I. COMPUTATION OF MORTALITY RATES

In this report, total death rates are expressed as resident deaths per 1,000 population while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. All rates in Tables 1-27 use total population in the denominator, except rates for the sex-specific cancer sites, which use male or female population in the denominator. The infant mortality rates of Table 28 and Figure 28 are computed as the number of resident deaths under one year of age per 1,000 resident live births. Population bases for the rates of this report were provided by the Office of State Budget and Management in the Governor's Office.

Vital events in this report are allocated to place of residence. For deaths of inmates of long-term institutions (mental, penal, old age, orphan, nursing home, rest home, etc.), the institution is considered the usual residence provided the decedent had resided in the institution at least one year. College students and military personnel are considered residents of the college or military community.

The following definitions apply to the rates of Tables 1-27.

***Unadjusted Annual Death Rate***: the annual death rate computed as resident deaths per 1,000 or 100,000 population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the given year.

***Unadjusted 5-Year Death Rate***: the average annual death rate computed as average resident deaths per 1,000 or 100,000 average population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the 5-year period. These rates are depicted in the Series A maps (e.g., Figures 2.A, 3.A, etc.) printed in blue.

***Adjusted 5-Year Death Rate***: the average annual age-race-sex-adjusted rates computed by the direct method. Also expressed as deaths per 1,000 or 100,000 population, these rates are those which would be expected if the average annual age, race, and sex composition of each county's population were the same as that estimated for the state. These rates are free of differing effects of age, race, and sex and thus permit the user knowledge of an area's status with respect to other determinants of mortality during the 5-year period. However, the user should not compare an adjusted death rate with an unadjusted death rate. Also, adjusted rates for different time periods cannot be directly compared unless they were adjusted by the same standard population. The adjusted rates are depicted in the Series B maps (e.g., Figures 2.B., 3.B., etc.) printed in red.

For the maps, a clustering routine* from the Statistical Analysis System (SAS) was used to group counties that are "most like each other" with respect to their unadjusted rate and then their adjusted rate (1). These maps show six levels of death rates, where level one is the lowest rate interval and level six the highest.

*In 1983 the State Center for Health Statistics conducted an evaluation of several clustering methods. It was found that one method, called "Average Linkage Method," produced tighter clusters (i.e., clusters with smaller within-cluster variances) than the other methods examined. Consequently, we plan to use this method henceforth to cluster county rates in all SCHS publications.

## II. INTERPRETATION OF MORTALITY RATES

To assess an area's relative mortality conditions during a five-year period, both the unadjusted rate and the adjusted rate can be compared to the state rate for a particular cause of death. Then, provided the area's unadjusted rate represents a relatively stable situation, viz., the rate has not fluctuated widely in recent years, the following alternative diagnoses will apply:

| Relative Status Of Unadjusted Rate | Relative Status Of Adjusted Rate | Diagnosis |
|---|---|---|
| Low | Low | Low mortality is not due to age, race, and sex factors; other mortality conditions are favorable. |
| Low | High | Low mortality is due to favorable age, race, and sex factors; other mortality conditions are unfavorable. |
| High | Low | High mortality is due to unfavorable age, race, and sex factors; other mortality conditions are favorable. |
| High | High | High mortality is not due to age, race, and sex factors; other mortality conditions are unfavorable. |

In using adjusted rates, it is important that the user understand the reason for adjustment. The following hypothetical example illustrates. Here, A and B stand for population subgroups, e.g., whites and nonwhites, males and females, etc.

| | County | | | State | | |
|---|---|---|---|---|---|---|
| | Population | Deaths | Death Rate* | Population | Deaths | Death Rate* |
| Population A | 300,000 | 1,000 | 333.3 | 500,000 | 2,500 | 500.0 |
| Population B | 10,000 | 10 | 100.0 | 800,000 | 1,000 | 125.0 |
| Total | 310,000 | 1,010 | 325.8 | 1,300,000 | 3,500 | 269.2 |

*Deaths per 100,000 population.

Compared to the state, county subgroups A and B both have lower rates, but the county as a whole (A and B combined) has a higher rate. This seemingly paradoxical situation results from two factors: different proportions of A and B in the county vs. the state population and wide differences between the rates for A vs. B. In this example, it is true that the county has the higher total rate—BUT ONLY BECAUSE THE POPULATION CONTAINS A HIGH PROPORTION OF SUBGROUP A.

Certainly, it is important for program planners to know that the county has a high rate relative to the state rate; this information is needed in determining manpower and facility needs, etc. But in assessing "risk," the researcher needs to adjust for confounding factors such as age or race. To do this, one multiplies each population-specific county rate by the corresponding "standard" population, sums these results, and divides by the total "standard." In the above example, using the state population as the standard, the computation is:

$$\frac{(1000/300{,}000 \times 500{,}000) + (10/10{,}000 \times 800{,}000)}{1{,}300{,}000} = 0.001897 \text{ or } 189.7 \text{ per } 100{,}000 \text{ population}$$

Thus, as rates specific for A and B imply, the county's rate is lower than the state's rate after adjustment for the factor represented by A and B.

## Caution!

In assessing the relative mortality conditions of a county, one should be particularly aware of rates based on small numbers of deaths since, in such cases, random fluctuation in the rate may render rate comparisons risky. The reader should read very carefully the next section entitled "Flagging Biased Rates."

# III. FLAGGING BIASED RATES

The age-race-sex adjusted rates in this publication that have been determined to be biased are flagged with an asterisk to suggest caution in their use. A complete description of the rationale and method for flagging biased rates can be found in the 1981 *Leading Causes of Mortality*. A short summary is provided below.

Any rate with a small number of events (deaths) in the numerator will have substantial random variability over time, or a large standard error. A useful rule of thumb is that any rate based on fewer than 20 events in the numerator may involve serious random error and should be used very cautiously in making comparisons or assessing trends (2). Many of the rates in this volume do have numerators smaller than 20.

In addition to the problem of a large standard error, the age-race-sex-adjusted rates in this volume may be biased due to one or more deaths in a small age-race-sex population group. One death out of an estimated population of 5, for example, would produce a death rate of 20,000 per 100,000 population. If this rate were applied to the appropriate age-race-sex group of the standard population, a very large number of expected deaths would result and the adjusted rate would be biased. In this volume an adjusted rate is flagged if: a) applying the age-race-sex-specific rates of a county for a given cause to the standard population results in more than 25 percent of the total expected deaths being generated by one cell, and b) the denominator of the rate is also less than 50 (an average of 10 per year). These criteria will catch only the worst problems. Only thirty-three out of a total of 2500 county adjusted rates in this volume are flagged by this method.

In addition to putting asterisks by those 1981-85 adjusted rates with a large bias due to an extremely high age-race-sex-specific rate, the rates have been recomputed by substituting the appropriate North Carolina age-race-sex-cause-specific rate in the problem cell. The table on the next page compares the flagged rates with the rates where the state rate has been substituted. The reader who must use one of these flagged rates is advised to use the rate in this table with the substitution instead. If the latter rate is clearly out of line with the North Carolina rate in the last column, the rate should be treated as missing data.

## 1981-85 Age-Race-Sex Adjusted Death Rates: Flagged Rates and Rate after Substitution of State Rate in Problem Cell

| County | Cause | Problem Cell | Numerator | Denominator | Flagged Rate | Adjusted Rate With Substitution | N.C. Rate For Cause |
|---|---|---|---|---|---|---|---|
| Alexander | Hypertension | NWF 85+ | 1 | 46 | 7.86 | 5.37 | 3.96 |
| Alleghany | Stroke | NWM 75-84 | 2 | 18 | 86.39 | 63.62 | 75.45 |
| Alleghany | Stomach Cancer | NWM 75-84 | 1 | 18 | 13.82 | 1.40 | 4.65 |
| Alleghany | Lung Cancer | NWM 55-64 | 1 | 42 | 73.42 | 57.39 | 46.22 |
| Ashe | Colon Cancer | NWM 75-84 | 1 | 28 | 17.83 | 10.14 | 18.27 |
| Avery | Stroke | NWM 75-84 | 1 | 17 | 46.15 | 35.27 | 75.45 |
| Avery | Chronic Lung Disease | NWM 75-84 | 1 | 17 | 45.84 | 32.97 | 24.01 |
| Avery | Other Accidents | NWM 85+ | 1 | 0 | 74.88 | 16.92 | 23.51 |
| Graham | Stroke | NWM 65-74 | 1 | 36 | 54.03 | 41.41 | 75.45 |
| Haywood | Leukemia | NWF 85+ | 1 | 32 | 9.67 | 5.99 | 6.48 |
| Macon | Prostate Cancer | NWM 75-84 | 1 | 29 | 36.97 | 23.89 | 22.05 |
| Madison | Other Heart Disease | NWF 85+ | 2 | 33 | 75.76 | 55.35 | 82.61 |
| Madison | Stroke | NWM 55-64 | 1 | 38 | 76.02 | 57.24 | 75.45 |
| Madison | Atherosclerosis | NWF 85+ | 1 | 17 | 11.83 | 5.20 | 8.97 |
| Madison | Diabetes | NWM 75-84 | 1 | 8 | 39.74 | 11.69 | 13.69 |
| Madison | Chronic Lung Disease | NWM 65-74 | 1 | 25 | 37.46 | 16.27 | 24.01 |
| Mitchell | Pancreatic Cancer | NWM 75-84 | 1 | 20 | 20.59 | 9.45 | 9.27 |
| Mitchell | Other Accidents | NWM 65-74 | 1 | 18 | 49.37 | 19.29 | 23.51 |
| Swain | Stomach Cancer | NWF 85+ | 1 | 20 | 7.20 | 4.36 | 4.65 |
| Transylvania | Diabetes | NWM 75-84 | 1 | 47 | 16.51 | 12.04 | 13.69 |
| Tyrrell | Prostate Cancer | NWM 85+ | 1 | 16 | 22.76 | 16.46 | 22.05 |
| Watauga | Atherosclerosis | NWM 85+ | 1 | 7 | 11.36 | 3.30 | 8.97 |
| Yancey | Stroke | NWF 85+ | 1 | 5 | 69.35 | 47.67 | 75.45 |
| Yancey | Breast Cancer | NWF 55-64 | 1 | 48 | 68.66 | 28.80 | 28.37 |
| Yancey | Other Accidents | NWF 65-74 | 1 | 34 | 45.53 | 22.92 | 23.51 |

# IV. NORTH CAROLINA MORTALITY HIGHLIGHTS

In the 1981 *Leading Causes of Mortality* extensive analyses of North Carolina's mortality experience were presented. That volume contained statistical tables, maps, and graphs as well as cause-specific discussions of trends, geographic patterns, risk factors, and recent research. We do not expect that the general mortality picture has changed very much in four years. Thus in this section, we will highlight 1985 unadjusted death rates for selected causes and the changes in rates from 1981 through 1985. The reader should consult the 1981 volume for a detailed discussion of each cause.

- As shown in Table 1, a total of 53,018 North Carolinians died in 1985, a rate of 8.47 deaths per 1,000 population. The 1985 crude death rate was 2.4 percent above the 1984 rate and 5 percent above the 1983 death rate.

- The median age at death was 72.1 years, consistent with a secular increase in the median during the last 25 years. The median age at death for whites was 74 years compared to 68.5 for nonwhites.

- The ten leading causes of death are heart disease, cancer, cerebrovascular disease, accidents, pneumonia and influenza, chronic obstructive pulmonary disease, diabetes, suicide, nephritis/nephrotic syndrome/nephrosis, and chronic liver disease/cirrhosis.

- Cause-specific death rates for acute myocardial infarction, other forms of ischemic heart disease, cancer, and pneumonia and influenza changed 3 percent or more between 1984 and 1985. Acute myocardial infarction rates declined by 8 percent in the one year period and 11 percent in the 1981-85 period. Other forms of ischemic heart disease increased by 7.8 percent between 1984 and 1985 and 12.5 percent between 1982 and 1985. Cancer death rates displayed consistent increases of 1-2 percent yearly between 1980 and 1984 with an increase of 3.4 percent between 1984 and 1985. Overall, cancer death rates have increased 7 percent in the 1981-1985 period. Pneumonia and influenza death rates have increased 22 percent in the last year and 43 percent between 1982 and 1985.

- Among the nine site-specific cancers presented in this volume, cancer of the colon, rectum, and anus increased by 9.5 percent; and cancer of the trachea, bronchus, and lung increased by 4 percent between 1984 and 1985. Breast cancer mortality rates have increased each year since 1981 with the largest percentage increase of 12 percent in the 1984-85 period and a 25 percent increase between 1981 to 1985. Other site specific cancer death rates for young and middle-aged women such as lung, ovary, and cervix uteri have remained relatively constant during the last three years.

- Homicide death rates ended a consecutive 5 year decline in the decade with an upturn in the rate from 8.48 to 9.01 between 1984 and 1985.

- The rate of suicide deaths continued to fluctuate between 1984 and 1985 with a 5 percent decline. The rate has alternated for each year since 1982 with a 7.5 percent decline between 1982 and 1983, and an 8 percent increase from 1983 to 1984.

- The total infant mortality rate for the state declined for the fifth consecutive year in the decade from 12.5 per 1,000 live births in 1984 to 12.0 in 1985. White infant mortality rates declined by 5 percent from 10.0 to 9.5 during this period and nonwhite infant mortality rates declined by 3.8 percent. Improvement in white neonatal mortality rates from 6.8 per 1,000 live births to 6.2 contributed entirely to the overall improvement in the white infant mortality rate, with white postneonatal rates showing a slight upturn between 1984 and 1985. Conversely, nonwhite postneonatal rates improved from 6.7 in 1984 to 5.6 in 1985 and neonatal rates registered a slight upturn during the period.

## TABLE 1

## MORTALITY STATISTICS FOR 1985 AND 1981-85

## NORTH CAROLINA RESIDENTS

| Cause of Death - Ninth Revision International Classification of Diseases | | Number of deaths 1985 | Death Rate* 1985 | Death Rate* 1981-85 |
|---|---|---|---|---|
| All Causes | | 51,018 | 8.47 | 8.26 |
| Diseases of Heart | (390-398,402,404-429) | 19,069 | 304.91 | 304.70 |
| Acute Myocardial Infarction | (410) | 7,521 | 120.25 | 130.48 |
| Other Forms of Ischemic Heart Disease | (411-414) | 5,480 | 87.62 | 82.61 |
| Hypertension with or without Renal Disease | (401,403) | 231 | 3.69 | 3.96 |
| Cerebrovascular Disease | (430-438) | 4,633 | 74.08 | 75.45 |
| Atherosclerosis | (440) | 529 | 8.45 | 8.97 |
| Cancer | (140-208) | 11,159 | 178.43 | 171.45 |
| Stomach | (151) | 280 | 4.47 | 4.65 |
| Colon, Rectum, and Anus | (153,154) | 1,215 | 19.47 | 18.36 |
| Pancreas | (157) | 593 | 9.48 | |
| Trachea, Bronchus, and Lung | (162) | 3,105 | 49.64 | 46.22 |
| Female Breast | (174) | 1,042 | 32.44 | 28.37 |
| Cervix Uteri | (180) | 161 | 5.01 | 4.96 |
| Ovary and other Uterine Adnexa | (183) | 288 | 8.96 | 8.15 |
| Prostate | (185) | 679 | 22.32 | 22.05 |
| Leukemia | (204-208) | 394 | 6.30 | 6.48 |
| Diabetes Mellitus | (250) | 869 | 13.89 | 13.69 |
| Pneumonia and Influenza | (480-487) | 1,767 | 28.25 | 23.61 |
| Chronic Obstructive Pulmonary Disease and Allied Conditions | (490-496) | 1,675 | 26.78 | 24.01 |
| Chronic Liver Disease and Cirrhosis | (571) | 567 | 9.06 | 9.77 |
| Nephritis, Nephrotic Syndrome, & Nephrosis | (580-589) | 619 | 9.89 | 8.94 |
| Motor Vehicle Accidents | (810-825) | 1,513 | 24.19 | 23.50 |
| All Other Accidents and Adverse Effects | (800-807, 826-949) | 1,454 | 23.24 | 23.51 |
| Suicide | (950-959) | 790 | 12.63 | 12.87 |
| Homicide | (960-978) | 564 | 9.01 | 9.52 |

*See Section I.

# V. TABLES AND FIGURES: MORTALITY STATISTICS FOR 1981-85

TABLE 2

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

TOTAL DEATHS (PER 1000 POPULATION)

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 53018 | 8.47 | 251985 | 8.26 | 8.26 |
| REGIONS | | | | | |
| DHR I WESTERN | 18396 | 8.58 | 87415 | 8.37 | 8.02 |
| DHR II N. CENTRAL | 11408 | 8.65 | 54981 | 8.49 | 8.13 |
| DHR III S. CENTRAL | 11274 | 7.70 | 53145 | 7.50 | 8.49 |
| DHR IV EASTERN | 11940 | 8.98 | 56444 | 8.70 | 8.81 |
| HSA I WESTERN | 9734 | 9.07 | 46353 | 8.82 | 7.92 |
| HSA II PIEDMONT | 9908 | 8.51 | 47531 | 8.30 | 8.12 |
| HSA III S. PIEDMONT | 8662 | 8.08 | 41062 | 7.90 | 8.13 |
| HSA IV CAPITAL | 7145 | 7.89 | 33227 | 7.69 | 8.22 |
| HSA V CARDINAL | 7747 | 8.17 | 37317 | 8.04 | 8.80 |
| HSA VI EASTERN | 9822 | 8.97 | 46495 | 8.68 | 8.84 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 944 | 9.23 | 4669 | 9.25 | 8.26 |
| 2 ALEXANDER | 176 | 6.61 | 931 | 7.12 | 7.96 |
| 3 ALLEGHANY | 114 | 11.76 | 490 | 10.00 | 7.65 |
| 4 ANSON | 256 | 9.75 | 1321 | 10.18 | 8.45 |
| 5 ASHE | 219 | 9.34 | 1106 | 9.58 | 8.29 |
| 6 AVERY | 125 | 8.33 | 620 | 8.32 | 8.84 |
| 7 BEAUFORT | 471 | 10.88 | 2148 | 10.16 | 8.94 |
| 8 BERTIE | 245 | 11.48 | 1152 | 10.79 | 9.12 |
| 9 BLADEN | 282 | 9.17 | 1433 | 9.33 | 9.05 |
| 10 BRUNSWICK | 372 | 8.16 | 1679 | 8.13 | 7.95 |
| 11 BUNCOMBE | 1714 | 10.18 | 8235 | 9.99 | 8.18 |
| 12 BURKE | 631 | 8.35 | 2783 | 7.49 | 7.85 |
| 13 CABARRUS | 804 | 8.73 | 4012 | 8.89 | 8.35 |
| 14 CALDWELL | 526 | 7.48 | 2526 | 7.37 | 8.14 |
| 15 CAMDEN | 64 | 11.00 | 281 | 9.73 | 8.95 |
| 16 CARTERET | 445 | 9.13 | 2075 | 9.08 | 8.61 |
| 17 CASWELL | 189 | 8.42 | 888 | 8.20 | 7.81 |
| 18 CATAWBA | 929 | 8.25 | 4276 | 7.80 | 8.38 |
| 19 CHATHAM | 327 | 9.24 | 1559 | 8.98 | 7.95 |
| 20 CHEROKEE | 190 | 9.40 | 896 | 9.10 | 6.80 |
| 21 CHOWAN | 157 | 11.93 | 717 | 11.19 | 8.46 |
| 22 CLAY | 81 | 11.52 | 371 | 10.60 | 7.27 |
| 23 CLEVELAND | 768 | 8.91 | 3779 | 8.96 | 8.58 |
| 24 COLUMBUS | 530 | 10.17 | 2516 | 9.70 | 9.28 |
| 25 CRAVEN | 538 | 6.76 | 2578 | 6.84 | 8.60 |
| 26 CUMBERLAND | 1434 | 5.59 | 6656 | 5.26 | 9.27 |
| 27 CURRITUCK | 130 | 10.08 | 568 | 9.26 | 8.96 |
| 28 DARE | 146 | 8.46 | 641 | 8.17 | 7.35 |
| 29 DAVIDSON | 961 | 8.11 | 4459 | 7.70 | 8.10 |
| 30 DAVIE | 227 | 8.20 | 993 | 7.33 | 7.60 |
| 31 DUPLIN | 453 | 10.89 | 2100 | 10.16 | 9.11 |
| 32 DURHAM | 1426 | 8.82 | 6667 | 8.43 | 8.38 |
| 33 EDGECOMBE | 536 | 9.17 | 2733 | 9.55 | 9.26 |
| 34 FORSYTH | 2140 | 8.27 | 10436 | 8.27 | 8.01 |
| 35 FRANKLIN | 299 | 9.12 | 1525 | 9.71 | 7.94 |
| 36 GASTON | 1483 | 8.63 | 6882 | 8.22 | 8.59 |
| 37 GATES | 109 | 11.61 | 478 | 10.43 | 7.97 |
| 38 GRAHAM | 66 | 9.18 | 296 | 8.32 | 8.02 |
| 39 GRANVILLE | 336 | 9.16 | 1701 | 9.52 | 8.61 |
| 40 GREENE | 151 | 9.14 | 702 | 8.59 | 9.19 |
| 41 GUILFORD | 2802 | 8.58 | 13339 | 8.27 | 8.20 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
TOTAL DEATHS (PER 1000 POPULATION) CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 607 | 10.84 | 3004 | 10.78 | 8.87 |
| 43 HARNETT | 506 | 8.03 | 2739 | 8.87 | 9.36 |
| 44 HAYWOOD | 497 | 10.37 | 2314 | 9.79 | 7.94 |
| 45 HENDERSON | 741 | 11.19 | 3273 | 10.32 | 7.50 |
| 46 HERTFORD | 254 | 10.61 | 1180 | 9.93 | 8.10 |
| 47 HOKE | 147 | 6.53 | 718 | 6.51 | 7.75 |
| 48 HYDE | 61 | 10.21 | 314 | 10.53 | 8.34 |
| 49 IREDELL | 773 | 8.85 | 3752 | 8.77 | 8.15 |
| 50 JACKSON | 217 | 8.04 | 1016 | 7.56 | 7.31 |
| 51 JOHNSTON | 694 | 9.03 | 3395 | 9.19 | 8.99 |
| 52 JONES | 92 | 9.41 | 411 | 8.41 | 7.59 |
| 53 LEE | 414 | 10.21 | 1754 | 9.09 | 9.23 |
| 54 LENOIR | 620 | 10.25 | 2936 | 9.73 | 9.39 |
| 55 LINCOLN | 391 | 8.56 | 1658 | 7.54 | 7.99 |
| 56 MCDOWELL | 317 | 8.73 | 1475 | 8.16 | 7.45 |
| 57 MACON | 249 | 10.79 | 1139 | 10.26 | 7.96 |
| 58 MADISON | 178 | 10.35 | 838 | 9.72 | 7.31 |
| 59 MARTIN | 283 | 10.61 | 1296 | 9.79 | 8.73 |
| 60 MECKLENBURG | 3204 | 7.24 | 15094 | 7.09 | 7.97 |
| 61 MITCHELL | 151 | 10.37 | 773 | 10.74 | 6.80 |
| 62 MONTGOMERY | 224 | 9.42 | 1100 | 9.45 | 8.37 |
| 63 MOORE | 568 | 10.36 | 2767 | 10.45 | 8.14 |
| 64 NASH | 701 | 9.90 | 3297 | 9.47 | 9.27 |
| 65 NEW HANOVER | 992 | 8.85 | 4659 | 8.56 | 8.82 |
| 66 NORTHAMPTON | 259 | 11.58 | 1253 | 11.16 | 8.70 |
| 67 ONSLOW | 519 | 4.23 | 2423 | 4.12 | 8.31 |
| 68 ORANGE | 508 | 6.16 | 2322 | 5.81 | 7.54 |
| 69 PAMLICO | 104 | 9.47 | 531 | 9.91 | 8.02 |
| 70 PASQUOTANK | 262 | 8.92 | 1338 | 9.29 | 8.26 |
| 71 PENDER | 224 | 9.17 | 1095 | 9.37 | 8.38 |
| 72 PERQUIMANS | 102 | 9.90 | 471 | 9.58 | 6.73 |
| 73 PERSON | 250 | 8.26 | 1289 | 8.62 | 7.80 |
| 74 PITT | 789 | 8.23 | 3743 | 7.94 | 9.18 |
| 75 POLK | 173 | 12.02 | 873 | 12.50 | 7.63 |
| 76 RANDOLPH | 736 | 7.56 | 3516 | 7.41 | 7.99 |
| 77 RICHMOND | 449 | 9.72 | 2209 | 9.67 | 8.77 |
| 78 ROBESON | 933 | 8.79 | 4461 | 8.53 | 9.26 |
| 79 ROCKINGHAM | 778 | 9.11 | 3883 | 9.13 | 8.59 |
| 80 ROWAN | 1022 | 9.87 | 4933 | 9.71 | 8.02 |
| 81 RUTHERFORD | 491 | 8.62 | 2645 | 9.50 | 8.00 |
| 82 SAMPSON | 521 | 10.34 | 2542 | 10.15 | 9.07 |
| 83 SCOTLAND | 309 | 9.19 | 1422 | 8.53 | 9.53 |
| 84 STANLY | 435 | 8.66 | 2182 | 8.88 | 8.01 |
| 85 STOKES | 280 | 7.92 | 1303 | 7.50 | 8.05 |
| 86 SURRY | 559 | 9.18 | 2805 | 9.29 | 8.28 |
| 87 SWAIN | 143 | 13.36 | 677 | 12.79 | 9.98 |
| 88 TRANSYLVANIA | 208 | 8.13 | 969 | 7.86 | 6.87 |
| 89 TYRRELL | 45 | 10.90 | 224 | 10.77 | 8.98 |
| 90 UNION | 550 | 7.04 | 2549 | 6.80 | 7.81 |
| 91 VANCE | 423 | 11.03 | 1953 | 10.41 | 9.12 |
| 92 WAKE | 2276 | 6.43 | 10080 | 6.14 | 7.97 |
| 93 WARREN | 192 | 11.70 | 982 | 12.01 | 8.73 |
| 94 WASHINGTON | 141 | 9.70 | 662 | 9.12 | 9.20 |
| 95 WATAUGA | 203 | 5.94 | 983 | 5.85 | 6.12 |
| 96 WAYNE | 889 | 9.01 | 4169 | 8.50 | 9.51 |
| 97 WILKES | 479 | 7.87 | 2390 | 7.96 | 8.06 |
| 98 WILSON | 649 | 10.08 | 3070 | 9.59 | 9.60 |
| 99 YADKIN | 292 | 9.94 | 1240 | 8.48 | 7.42 |
| 100 YANCEY | 148 | 9.50 | 679 | 8.88 | 7.21 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# GENERAL MORTALITY

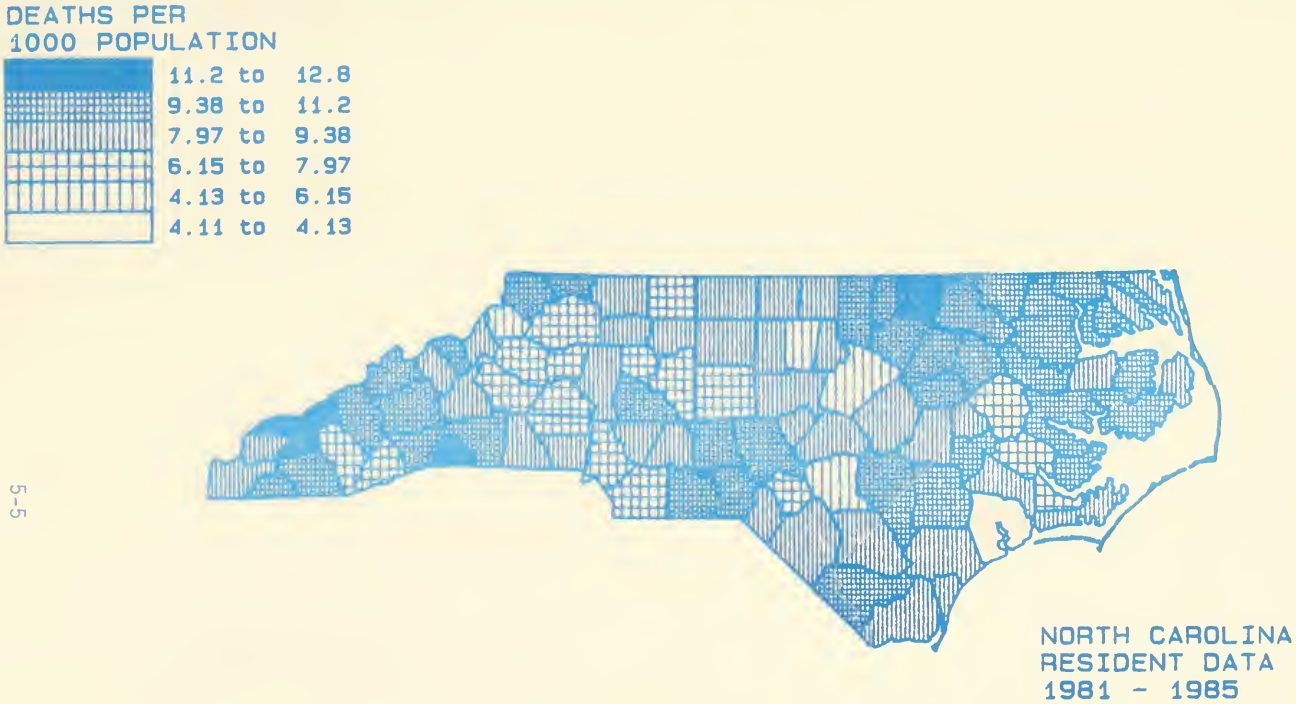
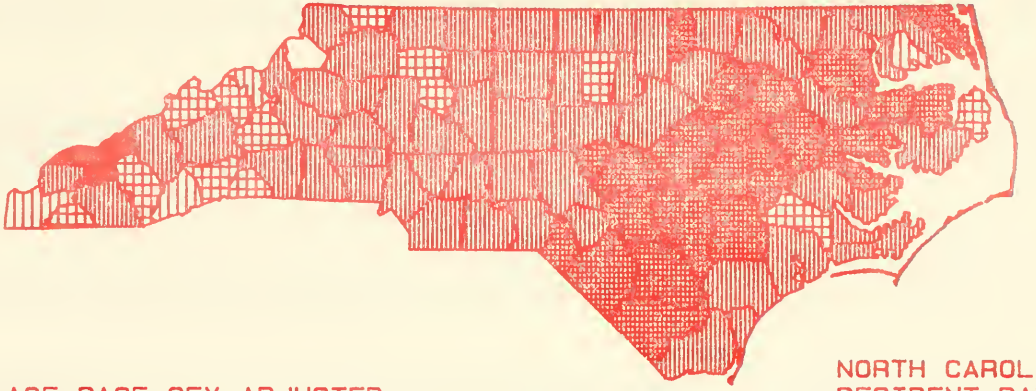



FIGURE 2.A

# GENERAL MORTALITY

MORTALITY RATES PER 1000 POPULATION

9.61 to 9.99
8.88 to 9.61
7.66 to 8.88
6.88 to 7.66
6.13 to 6.88
6.11 to 6.13



AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 2.B

TABLE 3

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

DISEASES OF HEART

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 19069 | 304.91 | 92870 | 304.70 | 304.70 |
| REGIONS | | | | | |
| DHR I WESTERN | 6733 | 314.14 | 33087 | 316.81 | 295.57 |
| DHR II N. CENTRAL | 4117 | 312.27 | 20455 | 315.89 | 299.72 |
| DHR III S. CENTRAL | 3992 | 272.70 | 18774 | 265.19 | 310.46 |
| DHR IV EASTERN | 4227 | 318.19 | 20554 | 317.14 | 329.47 |
| HSA I WESTERN | 3658 | 341.13 | 18031 | 343.32 | 292.54 |
| HSA II PIEDMONT | 3587 | 308.16 | 17591 | 307.48 | 297.39 |
| HSA III S. PIEDMONT | 3075 | 287.12 | 15056 | 290.00 | 296.91 |
| HSA IV CAPITAL | 2515 | 277.89 | 11856 | 274.53 | 299.91 |
| HSA V CARDINAL | 2787 | 294.19 | 13493 | 290.72 | 328.88 |
| HSA VI EASTERN | 3447 | 314.97 | 16843 | 314.54 | 330.09 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 347 | 339.34 | 1756 | 348.01 | 302.84 |
| 2 ALEXANDER | 65 | 244.18 | 356 | 272.47 | 298.22 |
| 3 ALLEGHANY | 36 | 371.44 | 162 | 330.74 | 223.09 |
| 4 ANSON | 100 | 381.17 | 507 | 390.93 | 315.75 |
| 5 ASHE | 91 | 388.50 | 480 | 415.95 | 305.99 |
| 6 AVERY | 58 | 386.76 | 264 | 354.69 | 358.55 |
| 7 BEAUFORT | 171 | 395.28 | 792 | 374.76 | 327.73 |
| 8 BERTIE | 94 | 440.46 | 419 | 392.75 | 322.85 |
| 9 BLADEN | 120 | 390.39 | 554 | 360.70 | 358.75 |
| 10 BRUNSWICK | 139 | 305.12 | 645 | 312.64 | 303.48 |
| 11 BUNCOMBE | 592 | 351.79 | 2974 | 360.79 | 278.74 |
| 12 BURKE | 269 | 356.06 | 1143 | 307.72 | 315.86 |
| 13 CABARRUS | 277 | 300.87 | 1487 | 329.80 | 299.39 |
| 14 CALDWELL | 190 | 270.48 | 938 | 273.76 | 306.56 |
| 15 CAMDEN | 19 | 326.79 | 97 | 335.94 | 296.53 |
| 16 CARTERET | 174 | 357.04 | 828 | 362.69 | 340.07 |
| 17 CASWELL | 66 | 294.07 | 316 | 291.83 | 281.03 |
| 18 CATAWBA | 332 | 294.84 | 1655 | 302.18 | 314.56 |
| 19 CHATHAM | 127 | 359.13 | 582 | 335.58 | 294.56 |
| 20 CHEROKEE | 77 | 381.05 | 367 | 372.89 | 251.46 |
| 21 CHOWAN | 44 | 334.39 | 226 | 352.77 | 259.21 |
| 22 CLAY | 31 | 441.21 | 161 | 460.28 | 265.56 |
| 23 CLEVELAND | 320 | 371.39 | 1593 | 377.79 | 355.56 |
| 24 COLUMBUS | 219 | 420.55 | 1034 | 398.90 | 380.89 |
| 25 CRAVEN | 182 | 228.99 | 877 | 232.92 | 310.51 |
| 26 CUMBERLAND | 452 | 176.50 | 2107 | 166.70 | 338.66 |
| 27 CURRITUCK | 36 | 279.19 | 221 | 360.57 | 346.88 |
| 28 DARE | 54 | 313.17 | 225 | 287.07 | 246.65 |
| 29 DAVIDSON | 365 | 308.06 | 1714 | 296.11 | 308.14 |
| 30 DAVIE | 88 | 317.93 | 368 | 271.80 | 278.62 |
| 31 DUPLIN | 156 | 375.10 | 792 | 383.29 | 351.56 |
| 32 DURHAM | 516 | 319.25 | 2301 | 291.17 | 295.03 |
| 33 EDGECOMBE | 173 | 296.17 | 932 | 325.83 | 329.21 |
| 34 FORSYTH | 735 | 284.31 | 3899 | 309.00 | 298.17 |
| 35 FRANKLIN | 114 | 347.80 | 613 | 390.31 | 313.19 |
| 36 GASTON | 624 | 363.29 | 2809 | 335.64 | 349.49 |
| 37 GATES | 36 | 383.75 | 185 | 403.76 | 295.81 |
| 38 GRAHAM | 23 | 319.93 | 113 | 317.71 | 308.28 |
| 39 GRANVILLE | 107 | 291.84 | 633 | 354.45 | 330.32 |
| 40 GREENE | 61 | 369.58 | 269 | 329.31 | 376.84 |
| 41 GUILFORD | 975 | 298.61 | 4711 | 292.34 | 289.05 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
DISEASES OF HEART CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 228 | 407.42 | 1136 | 407.98 | 346.37 |
| 43 HARNETT | 194 | 307.93 | 1062 | 344.10 | 366.43 |
| 44 HAYWOOD | 193 | 402.88 | 970 | 410.66 | 321.11 |
| 45 HENDERSON | 270 | 407.94 | 1228 | 387.56 | 249.21 |
| 46 HERTFORD | 91 | 380.37 | 454 | 382.41 | 312.68 |
| 47 HOKE | 62 | 275.49 | 244 | 221.45 | 283.50 |
| 48 HYDE | 19 | 318.31 | 111 | 372.57 | 291.93 |
| 49 IREDELL | 272 | 311.74 | 1378 | 322.34 | 292.73 |
| 50 JACKSON | 80 | 296.65 | 395 | 294.11 | 272.63 |
| 51 JOHNSTON | 292 | 380.12 | 1366 | 369.94 | 358.88 |
| 52 JONES | 34 | 348.00 | 136 | 278.28 | 248.27 |
| 53 LEE | 162 | 399.52 | 642 | 332.97 | 337.46 |
| 54 LENOIR | 235 | 388.54 | 1094 | 362.79 | 356.58 |
| 55 LINCOLN | 133 | 291.36 | 613 | 279.13 | 286.69 |
| 56 MCDOWELL | 119 | 327.99 | 609 | 337.17 | 290.98 |
| 57 MACON | 104 | 450.76 | 452 | 407.34 | 317.87 |
| 58 MADISON | 63 | 366.47 | 310 | 359.83 | 246.55 |
| 59 MARTIN | 103 | 386.44 | 477 | 360.44 | 330.10 |
| 60 MECKLENBURG | 1016 | 229.60 | 5102 | 239.67 | 275.96 |
| 61 MITCHELL | 54 | 370.90 | 267 | 371.02 | 212.79 |
| 62 MONTGOMERY | 81 | 340.86 | 415 | 356.80 | 309.44 |
| 63 MOORE | 197 | 359.51 | 990 | 373.90 | 279.53 |
| 64 NASH | 256 | 361.62 | 1222 | 351.21 | 350.29 |
| 65 NEW HANOVER | 339 | 302.60 | 1658 | 304.89 | 315.83 |
| 66 NORTHAMPTON | 81 | 362.25 | 447 | 398.32 | 308.16 |
| 67 ONSLOW | 137 | 111.83 | 712 | 121.07 | 287.56 |
| 68 ORANGE | 162 | 196.46 | 755 | 189.15 | 251.46 |
| 69 PAMLICO | 35 | 318.87 | 189 | 353.06 | 273.24 |
| 70 PASQUOTANK | 110 | 374.71 | 511 | 355.11 | 315.15 |
| 71 PENDER | 83 | 339.84 | 374 | 320.21 | 292.41 |
| 72 PERQUIMANS | 39 | 378.71 | 173 | 352.21 | 244.88 |
| 73 PERSON | 89 | 294.18 | 539 | 360.46 | 325.21 |
| 74 PITT | 280 | 292.08 | 1334 | 283.04 | 344.23 |
| 75 POLK | 56 | 389.21 | 322 | 461.15 | 251.03 |
| 76 RANDOLPH | 273 | 280.76 | 1314 | 277.03 | 287.12 |
| 77 RICHMOND | 151 | 327.19 | 826 | 361.80 | 326.64 |
| 78 ROBESON | 330 | 311.24 | 1571 | 300.53 | 334.17 |
| 79 ROCKINGHAM | 296 | 346.92 | 1463 | 344.29 | 320.69 |
| 80 ROWAN | 362 | 349.93 | 1811 | 356.63 | 283.69 |
| 81 RUTHERFORD | 184 | 323.14 | 1055 | 379.03 | 305.41 |
| 82 SAMPSON | 212 | 421.13 | 991 | 395.78 | 352.01 |
| 83 SCOTLAND | 108 | 321.39 | 515 | 309.26 | 360.09 |
| 84 STANLY | 176 | 350.73 | 890 | 362.26 | 314.13 |
| 85 STOKES | 113 | 319.70 | 482 | 277.73 | 300.98 |
| 86 SURRY | 214 | 351.81 | 1105 | 366.24 | 304.56 |
| 87 SWAIN | 64 | 598.18 | 273 | 515.81 | 373.33 |
| 88 TRANSYLVANIA | 76 | 297.09 | 355 | 288.02 | 250.46 |
| 89 TYRRELL | 25 | 605.76 | 100 | 481.13 | 389.59 |
| 90 UNION | 215 | 275.22 | 966 | 257.88 | 297.83 |
| 91 VANCE | 155 | 404.48 | 738 | 393.60 | 350.86 |
| 92 WAKE | 726 | 205.20 | 3346 | 204.10 | 275.09 |
| 93 WARREN | 65 | 396.36 | 341 | 417.34 | 321.33 |
| 94 WASHINGTON | 47 | 323.49 | 245 | 337.58 | 348.21 |
| 95 WATAUGA | 78 | 228.25 | 386 | 230.02 | 239.52 |
| 96 WAYNE | 319 | 323.40 | 1615 | 329.48 | 386.65 |
| 97 WILKES | 184 | 302.62 | 986 | 328.55 | 326.44 |
| 98 WILSON | 208 | 323.23 | 1024 | 320.16 | 330.13 |
| 99 YADKIN | 115 | 391.62 | 463 | 316.81 | 260.52 |
| 100 YANCEY | 49 | 314.60 | 217 | 283.96 | 192.55 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# DISEASES OF THE HEART

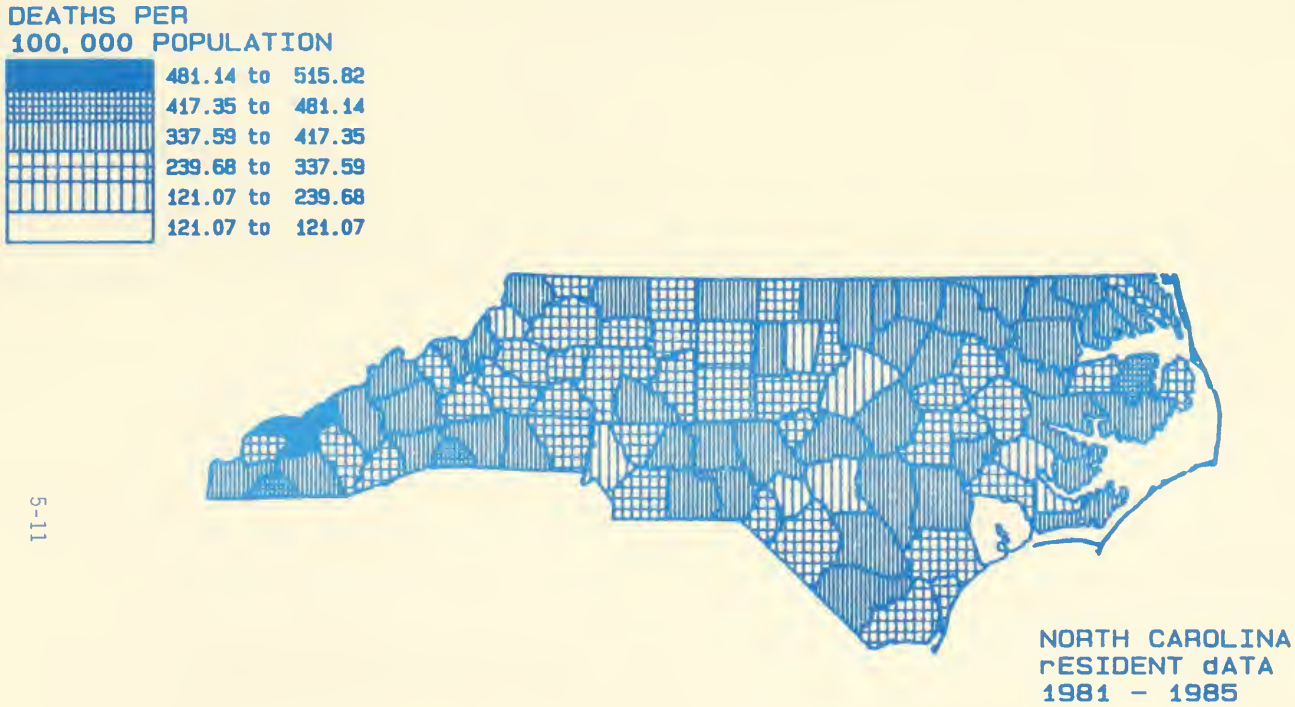



FIGURE 3.A

# DISEASES OF THE HEART

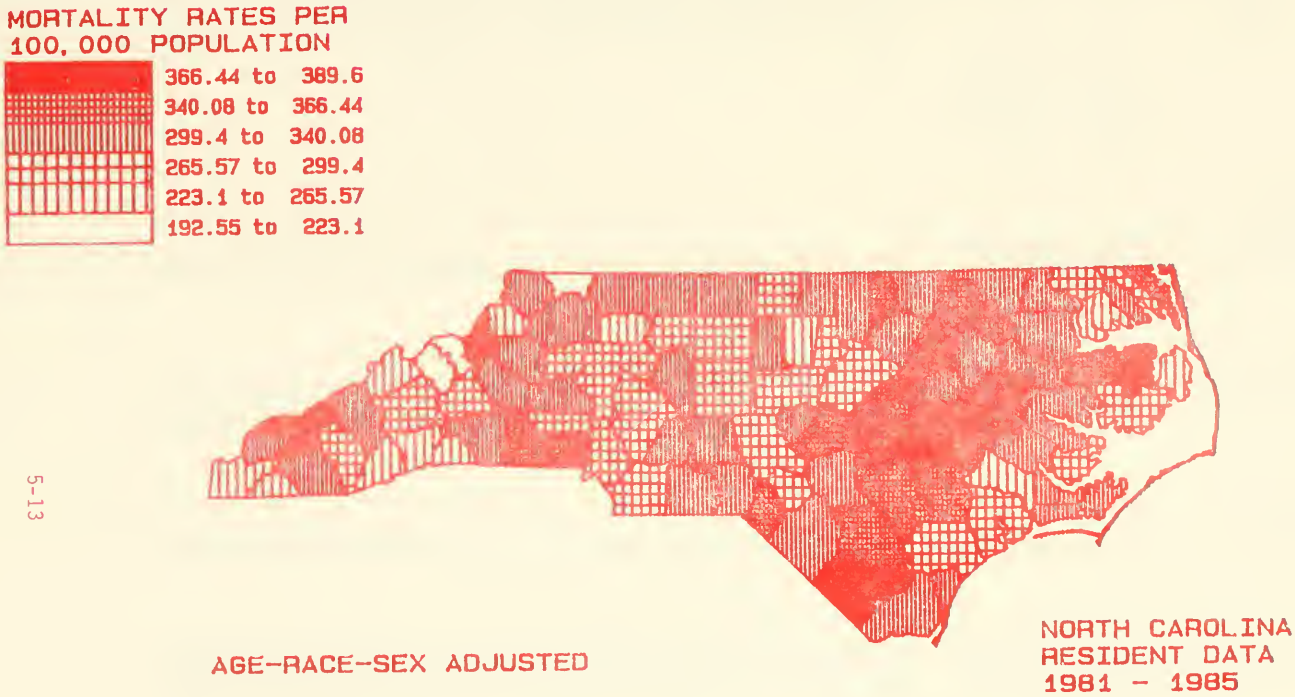



FIGURE 3.B

TABLE 4

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

ACUTE MYOCARDIAL INFARCTION

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 7521 | 120.25 | 39770 | 130.48 | 130.48 |
| REGIONS | | | | | |
| DHR I WESTERN | 2743 | 127.98 | 14595 | 139.75 | 127.04 |
| DHR II N. CENTRAL | 1718 | 130.31 | 9006 | 139.08 | 131.65 |
| DHR III S. CENTRAL | 1493 | 101.99 | 7751 | 109.48 | 129.58 |
| DHR IV EASTERN | 1567 | 117.95 | 8418 | 129.89 | 137.15 |
| HSA I WESTERN | 1535 | 143.14 | 7934 | 151.07 | 126.44 |
| HSA II PIEDMONT | 1508 | 129.55 | 7773 | 135.86 | 129.63 |
| HSA III S. PIEDMONT | 1208 | 112.79 | 6661 | 128.30 | 128.78 |
| HSA IV CAPITAL | 857 | 94.69 | 4515 | 104.54 | 115.95 |
| HSA V CARDINAL | 1107 | 116.85 | 6054 | 130.44 | 148.17 |
| HSA VI EASTERN | 1306 | 119.33 | 6833 | 127.60 | 136.91 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 142 | 138.86 | 755 | 149.63 | 128.06 |
| 2 ALEXANDER | 34 | 127.72 | 187 | 143.12 | 157.86 |
| 3 ALLEGHANY | 19 | 196.03 | 81 | 165.37 | 109.73 |
| 4 ANSON | 52 | 198.20 | 283 | 218.21 | 178.72 |
| 5 ASHE | 43 | 183.58 | 200 | 173.31 | 144.50 |
| 6 AVERY | 28 | 186.71 | 143 | 192.12 | 223.94 |
| 7 BEAUFORT | 48 | 110.95 | 282 | 133.43 | 119.72 |
| 8 BERTIE | 51 | 238.97 | 228 | 213.71 | 181.58 |
| 9 BLADEN | 57 | 185.43 | 290 | 188.81 | 190.41 |
| 10 BRUNSWICK | 52 | 114.14 | 272 | 131.84 | 123.10 |
| 11 BUNCOMBE | 221 | 131.32 | 1153 | 139.87 | 108.87 |
| 12 BURKE | 130 | 172.07 | 572 | 153.99 | 151.00 |
| 13 CABARRUS | 130 | 141.20 | 795 | 176.32 | 159.86 |
| 14 CALDWELL | 100 | 142.35 | 438 | 127.83 | 132.49 |
| 15 CAMDEN | 6 | 103.19 | 28 | 96.97 | 85.40 |
| 16 CARTERET | 59 | 121.06 | 326 | 142.79 | 127.68 |
| 17 CASWELL | 32 | 142.58 | 134 | 123.75 | 132.44 |
| 18 CATAWBA | 163 | 144.75 | 855 | 156.11 | 157.72 |
| 19 CHATHAM | 63 | 178.15 | 265 | 152.80 | 138.70 |
| 20 CHEROKEE | 35 | 173.20 | 174 | 176.79 | 114.80 |
| 21 CHOWAN | 17 | 129.19 | 100 | 156.09 | 117.41 |
| 22 CLAY | 17 | 241.95 | 89 | 254.44 | 144.45 |
| 23 CLEVELAND | 109 | 126.50 | 675 | 160.08 | 150.60 |
| 24 COLUMBUS | 78 | 149.78 | 427 | 164.73 | 161.20 |
| 25 CRAVEN | 62 | 78.00 | 326 | 86.58 | 114.05 |
| 26 CUMBERLAND | 167 | 65.21 | 889 | 70.33 | 141.05 |
| 27 CURRITUCK | 8 | 62.04 | 77 | 125.63 | 112.06 |
| 28 DARE | 17 | 98.59 | 93 | 118.65 | 98.16 |
| 29 DAVIDSON | 165 | 139.26 | 773 | 133.54 | 132.30 |
| 30 DAVIE | 45 | 162.57 | 188 | 138.85 | 139.35 |
| 31 DUPLIN | 66 | 158.69 | 378 | 182.93 | 172.29 |
| 32 DURHAM | 157 | 97.13 | 821 | 103.89 | 110.39 |
| 33 EDGECOMBE | 66 | 112.99 | 390 | 136.34 | 146.85 |
| 34 FORSYTH | 276 | 106.76 | 1631 | 129.26 | 126.24 |
| 35 FRANKLIN | 48 | 146.44 | 301 | 191.65 | 155.41 |
| 36 GASTON | 226 | 131.57 | 1307 | 156.17 | 156.57 |
| 37 GATES | 12 | 127.91 | 76 | 165.87 | 126.95 |
| 38 GRAHAM | 8 | 111.28 | 50 | 140.57 | 136.89 |
| 39 GRANVILLE | 40 | 109.10 | 261 | 146.14 | 138.29 |
| 40 GREENE | 30 | 181.76 | 104 | 127.31 | 148.84 |
| 41 GUILFORD | 370 | 113.32 | 1925 | 119.45 | 118.43 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
ACUTE MYOCARDIAL INFARCTION CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 97 | 173.33 | 495 | 177.77 | 167.52 |
| 43 HARNETT | 67 | 106.34 | 392 | 127.01 | 135.52 |
| 44 HAYWOOD | 92 | 192.04 | 483 | 204.48 | 156.13 |
| 45 HENDERSON | 98 | 148.06 | 474 | 149.59 | 87.01 |
| 46 HERTFORD | 45 | 188.09 | 215 | 181.09 | 140.73 |
| 47 HOKE | 31 | 137.74 | 113 | 102.56 | 137.50 |
| 48 HYDE | 9 | 150.77 | 57 | 191.32 | 161.17 |
| 49 IREDELL | 122 | 139.82 | 671 | 156.96 | 140.60 |
| 50 JACKSON | 40 | 148.32 | 192 | 142.96 | 134.60 |
| 51 JOHNSTON | 95 | 123.67 | 428 | 115.91 | 109.57 |
| 52 JONES | 13 | 133.06 | 53 | 108.45 | 100.74 |
| 53 LEE | 56 | 138.10 | 269 | 139.51 | 141.85 |
| 54 LENOIR | 89 | 147.15 | 466 | 154.53 | 154.15 |
| 55 LINCOLN | 47 | 102.96 | 309 | 140.70 | 140.84 |
| 56 MCDOWELL | 49 | 135.05 | 268 | 148.37 | 125.20 |
| 57 MACON | 34 | 147.36 | 200 | 180.24 | 122.45 |
| 58 MADISON | 29 | 168.69 | 126 | 146.25 | 91.09 |
| 59 MARTIN | 37 | 138.82 | 171 | 129.21 | 125.12 |
| 60 MECKLENBURG | 312 | 70.50 | 1644 | 77.22 | 90.07 |
| 61 MITCHELL | 14 | 96.16 | 107 | 148.68 | 86.92 |
| 62 MONTGOMERY | 42 | 176.74 | 229 | 196.88 | 171.26 |
| 63 MOORE | 65 | 118.62 | 421 | 159.00 | 119.87 |
| 64 NASH | 111 | 156.79 | 544 | 156.35 | 157.38 |
| 65 NEW HANOVER | 100 | 89.26 | 706 | 129.82 | 133.49 |
| 66 NORTHAMPTON | 33 | 147.58 | 191 | 170.19 | 146.23 |
| 67 ONSLOW | 50 | 40.81 | 274 | 46.59 | 107.16 |
| 68 ORANGE | 52 | 63.06 | 274 | 68.64 | 91.97 |
| 69 PAMLICO | 13 | 118.44 | 61 | 113.95 | 90.92 |
| 70 PASQUOTANK | 30 | 102.19 | 202 | 140.37 | 126.57 |
| 71 PENDER | 31 | 126.92 | 180 | 154.11 | 136.30 |
| 72 PERQUIMANS | 15 | 145.65 | 71 | 144.54 | 104.75 |
| 73 PERSON | 35 | 115.69 | 192 | 128.40 | 116.83 |
| 74 PITT | 83 | 86.58 | 480 | 101.84 | 132.32 |
| 75 POLK | 19 | 132.05 | 117 | 167.56 | 94.46 |
| 76 RANDOLPH | 125 | 128.55 | 662 | 139.57 | 140.62 |
| 77 RICHMOND | 70 | 151.67 | 437 | 191.41 | 171.98 |
| 78 ROBESON | 145 | 136.76 | 722 | 138.11 | 159.94 |
| 79 ROCKINGHAM | 130 | 152.36 | 666 | 156.73 | 144.36 |
| 80 ROWAN | 175 | 169.16 | 899 | 177.03 | 139.88 |
| 81 RUTHERFORD | 79 | 138.74 | 424 | 152.33 | 121.94 |
| 82 SAMPSON | 90 | 178.78 | 428 | 170.93 | 155.00 |
| 83 SCOTLAND | 60 | 178.55 | 265 | 159.13 | 181.97 |
| 84 STANLY | 83 | 165.40 | 489 | 199.04 | 171.16 |
| 85 STOKES | 60 | 169.75 | 248 | 142.89 | 157.56 |
| 86 SURRY | 103 | 169.33 | 562 | 186.27 | 143.41 |
| 87 SWAIN | 19 | 177.58 | 107 | 202.16 | 152.34 |
| 88 TRANSYLVANIA | 27 | 105.54 | 150 | 121.70 | 101.80 |
| 89 TYRRELL | 12 | 290.76 | 44 | 211.70 | 174.98 |
| 90 UNION | 113 | 144.65 | 547 | 146.03 | 168.27 |
| 91 VANCE | 61 | 159.18 | 318 | 169.60 | 149.00 |
| 92 WAKE | 224 | 63.31 | 1225 | 74.72 | 100.28 |
| 93 WARREN | 26 | 158.54 | 161 | 197.04 | 164.67 |
| 94 WASHINGTON | 9 | 61.94 | 63 | 86.80 | 90.94 |
| 95 WATAUGA | 27 | 79.00 | 172 | 102.49 | 108.40 |
| 96 WAYNE | 128 | 129.76 | 622 | 126.89 | 152.71 |
| 97 WILKES | 80 | 131.57 | 399 | 132.95 | 132.21 |
| 98 WILSON | 90 | 139.86 | 416 | 130.06 | 139.82 |
| 99 YADKIN | 60 | 204.32 | 229 | 156.69 | 121.43 |
| 100 YANCEY | 21 | 134.83 | 98 | 128.24 | 78.05 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# ACUTE MYOCARDIAL INFARCTION

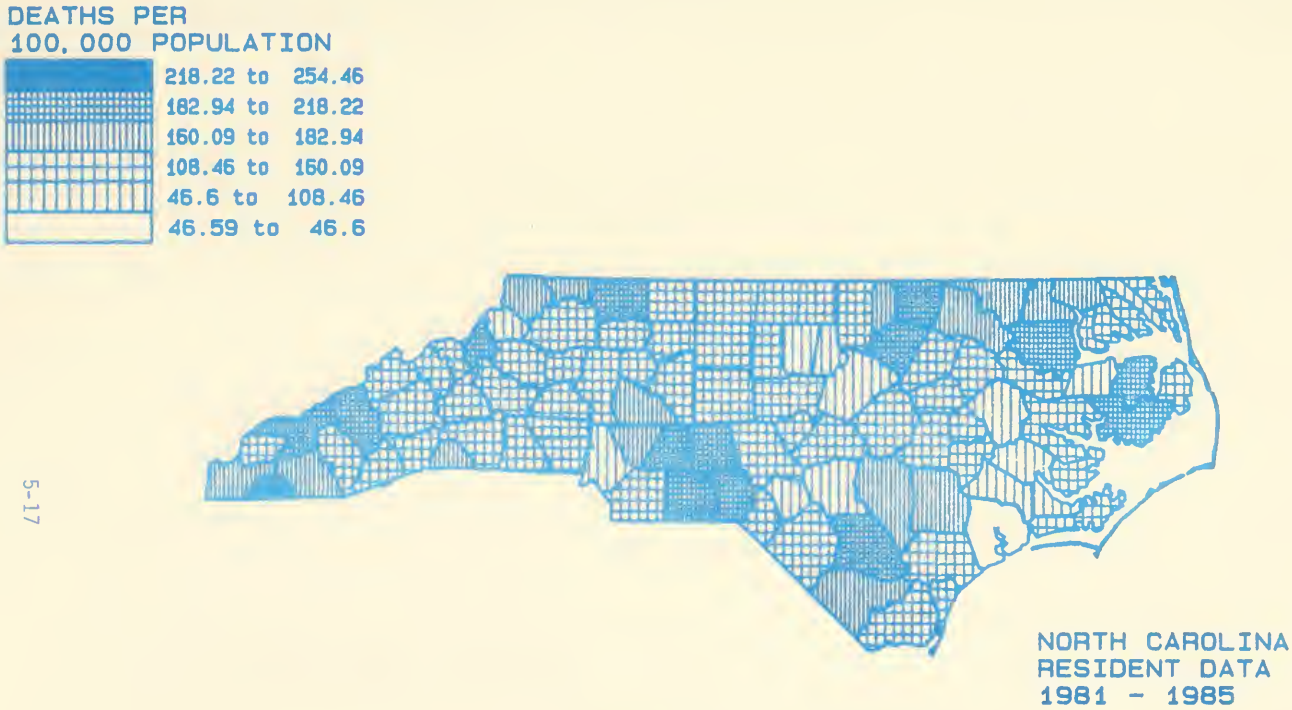
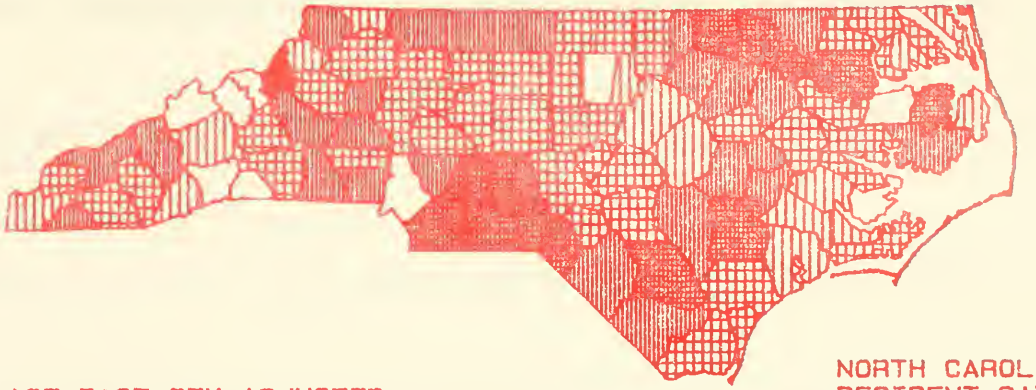



FIGURE 4.A

# ACUTE MYOCARDIAL INFARCTION

MORTALITY RATES PER
100,000 POPULATION

190.42 to 223.95
161.21 to 190.42
141.86 to 161.21
114.81 to 141.86
94.47 to 114.81
78.05 to 94.47



AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 4.8

TABLE 5

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

OTHER FORMS OF ISCHEMIC HEART DISEASE

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 5480 | 87.62 | 25180 | 82.61 | 82.61 |
| REGIONS | | | | | |
| DHR I WESTERN | 1937 | 90.37 | 8848 | 84.72 | 78.79 |
| DHR II N. CENTRAL | 1163 | 88.21 | 5575 | 86.09 | 81.40 |
| DHR III S. CENTRAL | 1193 | 81.49 | 5307 | 74.96 | 89.90 |
| DHR IV EASTERN | 1187 | 89.35 | 5450 | 84.09 | 88.30 |
| HSA I WESTERN | 986 | 91.95 | 4688 | 89.26 | 74.02 |
| HSA II PIEDMONT | 1054 | 90.55 | 5073 | 88.67 | 85.54 |
| HSA III S. PIEDMONT | 951 | 88.79 | 4160 | 80.12 | 82.32 |
| HSA IV CAPITAL | 717 | 79.22 | 3218 | 74.51 | 82.65 |
| HSA V CARDINAL | 819 | 86.45 | 3548 | 76.44 | 89.13 |
| HSA VI EASTERN | 953 | 87.08 | 4493 | 83.90 | 89.14 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 121 | 118.33 | 618 | 122.47 | 107.99 |
| 2 ALEXANDER | 22 | 82.64 | 89 | 68.11 | 73.87 |
| 3 ALLEGHANY | 7 | 72.22 | 34 | 69.41 | 37.47 |
| 4 ANSON | 26 | 99.10 | 103 | 79.42 | 66.07 |
| 5 ASHE | 20 | 85.38 | 127 | 110.05 | 63.05 |
| 6 AVERY | 6 | 40.01 | 44 | 59.11 | 50.34 |
| 7 BEAUFORT | 51 | 117.89 | 228 | 107.88 | 96.62 |
| 8 BERTIE | 18 | 84.34 | 54 | 50.61 | 48.18 |
| 9 BLADEN | 36 | 117.11 | 125 | 81.38 | 81.51 |
| 10 BRUNSWICK | 37 | 81.22 | 177 | 85.79 | 84.87 |
| 11 BUNCOMBE | 219 | 130.13 | 975 | 118.28 | 85.96 |
| 12 BURKE | 76 | 100.59 | 302 | 81.30 | 87.05 |
| 13 CABARRUS | 56 | 60.82 | 258 | 57.22 | 51.03 |
| 14 CALDWELL | 40 | 56.94 | 259 | 75.59 | 85.69 |
| 15 CAMDEN | 4 | 68.79 | 32 | 110.82 | 91.42 |
| 16 CARTERET | 45 | 92.33 | 166 | 72.71 | 66.57 |
| 17 CASWELL | 14 | 62.38 | 84 | 77.57 | 76.02 |
| 18 CATAWBA | 62 | 55.06 | 326 | 59.52 | 63.52 |
| 19 CHATHAM | 30 | 84.83 | 148 | 85.33 | 72.66 |
| 20 CHEROKEE | 11 | 54.43 | 62 | 62.99 | 42.40 |
| 21 CHOWAN | 3 | 22.79 | 46 | 71.80 | 53.31 |
| 22 CLAY | 6 | 85.39 | 24 | 68.61 | 40.69 |
| 23 CLEVELAND | 64 | 74.27 | 259 | 61.42 | 56.98 |
| 24 COLUMBUS | 57 | 109.45 | 289 | 111.49 | 101.42 |
| 25 CRAVEN | 60 | 75.49 | 235 | 62.41 | 86.58 |
| 26 CUMBERLAND | 145 | 56.62 | 547 | 43.27 | 48.99 |
| 27 CURRITUCK | 16 | 124.08 | 80 | 130.52 | 129.69 |
| 28 DARE | 15 | 86.99 | 50 | 63.79 | 54.23 |
| 29 DAVIDSON | 92 | 77.65 | 441 | 76.18 | 78.16 |
| 30 DAVIE | 25 | 90.32 | 105 | 77.55 | 76.18 |
| 31 DUPLIN | 36 | 86.56 | 185 | 89.53 | 83.73 |
| 32 DURHAM | 153 | 94.66 | 670 | 84.78 | 87.49 |
| 33 EDGECOMBE | 54 | 92.44 | 267 | 93.34 | 95.37 |
| 34 FORSYTH | 232 | 89.74 | 1119 | 88.68 | 85.40 |
| 35 FRANKLIN | 22 | 67.12 | 106 | 67.49 | 57.19 |
| 36 GASTON | 250 | 145.54 | 795 | 94.99 | 100.40 |
| 37 GATES | 7 | 74.61 | 38 | 82.93 | 68.82 |
| 38 GRAHAM | 4 | 55.64 | 20 | 56.23 | 35.20 |
| 39 GRANVILLE | 37 | 100.91 | 145 | 81.19 | 77.98 |
| 40 GREENE | 17 | 102.99 | 90 | 110.18 | 131.73 |
| 41 GUILFORD | 299 | 91.57 | 1469 | 91.15 | 90.30 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
OTHER FORMS OF ISCHEMIC HEART DISEASE CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 64 | 114.36 | 334 | 119.95 | 93.86 |
| 43 HARNETT | 60 | 95.23 | 361 | 116.97 | 124.85 |
| 44 HAYWOOD | 58 | 121.07 | 253 | 107.11 | 78.22 |
| 45 HENDERSON | 80 | 120.87 | 416 | 131.29 | 82.42 |
| 46 HERTFORD | 20 | 83.59 | 87 | 73.28 | 68.60 |
| 47 HOKE | 17 | 75.53 | 53 | 48.10 | 66.56 |
| 48 HYDE | 3 | 50.25 | 17 | 57.06 | 39.18 |
| 49 IREDELL | 78 | 89.39 | 392 | 91.69 | 83.27 |
| 50 JACKSON | 20 | 74.16 | 96 | 71.48 | 61.13 |
| 51 JOHNSTON | 104 | 135.38 | 497 | 134.59 | 130.69 |
| 52 JONES | 11 | 112.58 | 45 | 92.08 | 85.66 |
| 53 LEE | 40 | 98.64 | 164 | 85.06 | 85.78 |
| 54 LENOIR | 64 | 105.81 | 285 | 94.51 | 99.42 |
| 55 LINCOLN | 40 | 87.62 | 137 | 62.38 | 59.11 |
| 56 MCDOWELL | 36 | 99.22 | 204 | 112.94 | 100.15 |
| 57 MACON | 39 | 169.03 | 121 | 109.04 | 75.76 |
| 58 MADISON | 16 | 93.07 | 78 | 90.53 | 75.76 * |
| 59 MARTIN | 31 | 116.30 | 121 | 91.43 | 84.30 |
| 60 MECKLENBURG | 352 | 79.54 | 1756 | 82.48 | 94.86 |
| 61 MITCHELL | 11 | 75.55 | 51 | 70.87 | 39.56 |
| 62 MONTGOMERY | 23 | 96.78 | 96 | 82.53 | 70.52 |
| 63 MOORE | 52 | 94.89 | 263 | 99.33 | 73.23 |
| 64 NASH | 56 | 79.10 | 281 | 80.76 | 82.57 |
| 65 NEW HANOVER | 117 | 104.44 | 406 | 74.66 | 78.83 |
| 66 NORTHAMPTON | 18 | 80.50 | 117 | 104.25 | 76.70 |
| 67 ONSLOW | 52 | 42.44 | 248 | 42.17 | 99.71 |
| 68 ORANGE | 47 | 56.99 | 209 | 52.36 | 69.66 |
| 69 PAMLICO | 14 | 127.55 | 68 | 127.02 | 97.27 |
| 70 PASQUOTANK | 39 | 132.85 | 147 | 102.15 | 94.17 |
| 71 PENDER | 23 | 94.17 | 85 | 72.77 | 72.20 |
| 72 PERQUIMANS | 14 | 135.94 | 43 | 87.54 | 60.49 |
| 73 PERSON | 7 | 23.13 | 67 | 44.80 | 42.22 |
| 74 PITT | 78 | 81.36 | 366 | 77.65 | 93.80 |
| 75 POLK | 24 | 166.80 | 114 | 163.26 | 87.38 |
| 76 RANDOLPH | 92 | 94.61 | 378 | 79.69 | 81.26 |
| 77 RICHMOND | 35 | 75.83 | 208 | 91.10 | 83.22 |
| 78 ROBESON | 111 | 104.69 | 473 | 90.48 | 107.81 |
| 79 ROCKINGHAM | 70 | 82.04 | 367 | 86.36 | 80.40 |
| 80 ROWAN | 80 | 77.33 | 435 | 85.66 | 66.70 |
| 81 RUTHERFORD | 40 | 70.24 | 273 | 98.08 | 78.61 |
| 82 SAMPSON | 66 | 131.10 | 281 | 112.22 | 101.48 |
| 83 SCOTLAND | 14 | 41.66 | 81 | 48.64 | 64.48 |
| 84 STANLY | 58 | 115.58 | 230 | 93.61 | 77.64 |
| 85 STOKES | 34 | 96.19 | 125 | 72.02 | 73.49 |
| 86 SURRY | 60 | 98.64 | 273 | 90.48 | 73.69 |
| 87 SWAIN | 11 | 102.81 | 43 | 81.24 | 59.55 |
| 88 TRANSYLVANIA | 23 | 89.91 | 77 | 62.47 | 56.72 |
| 89 TYRRELL | 5 | 121.15 | 21 | 101.03 | 94.20 |
| 90 UNION | 37 | 47.36 | 157 | 41.91 | 48.35 |
| 91 VANCE | 26 | 67.84 | 119 | 63.46 | 58.82 |
| 92 WAKE | 234 | 66.13 | 1028 | 62.70 | 86.71 |
| 93 WARREN | 17 | 103.66 | 65 | 79.55 | 59.21 |
| 94 WASHINGTON | 18 | 123.89 | 75 | 103.34 | 107.92 |
| 95 WATAUGA | 23 | 67.30 | 80 | 47.67 | 49.64 |
| 96 WAYNE | 85 | 86.17 | 499 | 101.80 | 115.59 |
| 97 WILKES | 60 | 98.68 | 313 | 104.29 | 105.97 |
| 98 WILSON | 55 | 85.47 | 268 | 83.79 | 86.58 |
| 99 YADKIN | 15 | 51.08 | 94 | 64.32 | 51.39 |
| 100 YANCEY | 8 | 51.36 | 48 | 62.81 | 37.19 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# OTHER ISCHEMIC HEART DISEASE

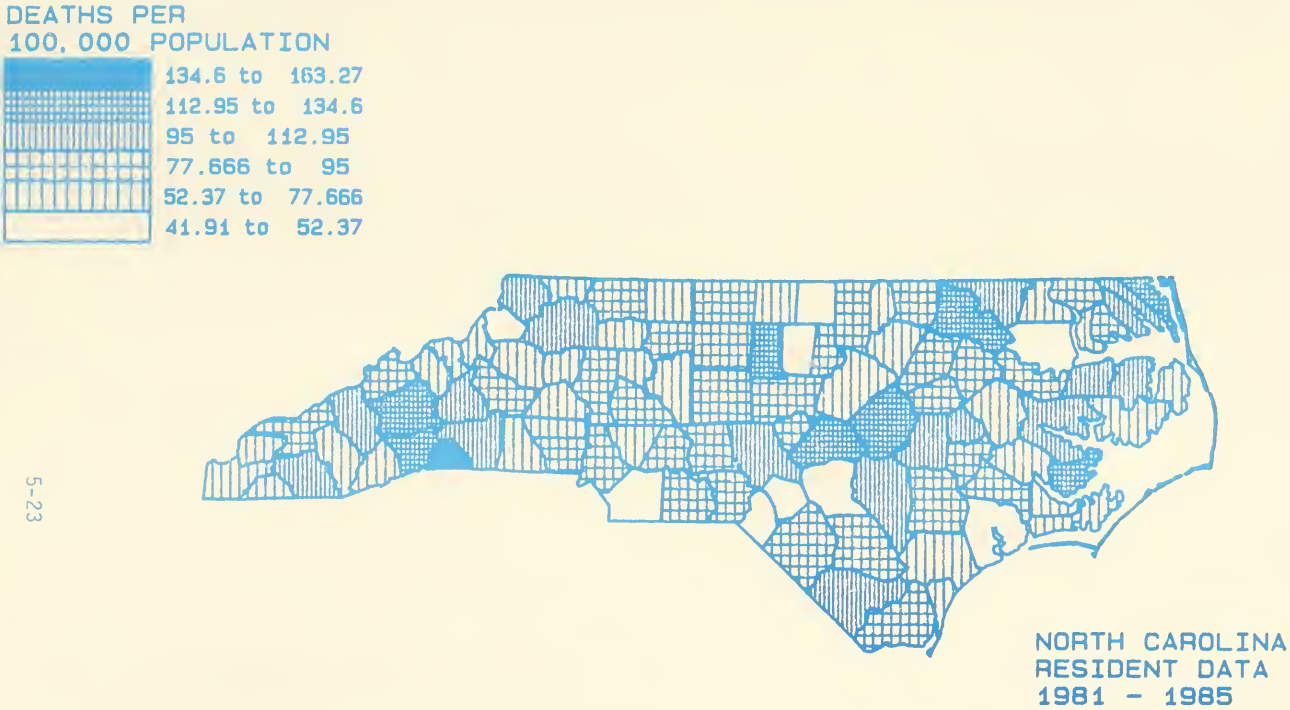
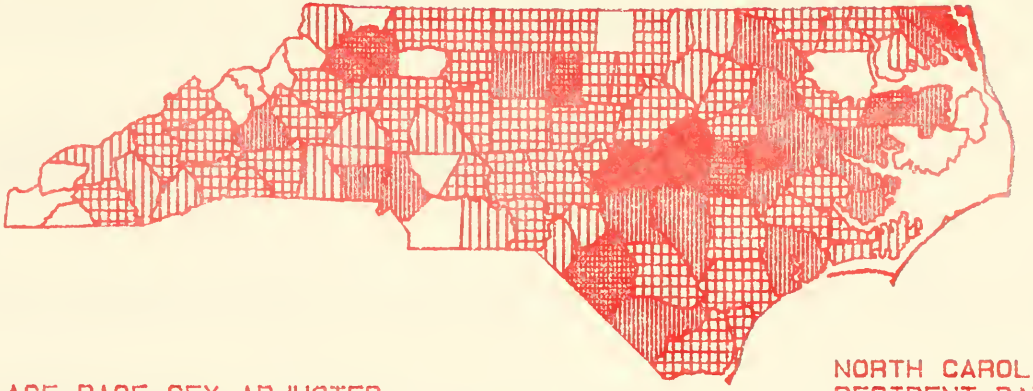



FIGURE 5.A

# OTHER ISCHEMIC HEART DISEASE

MORTALITY RATES PER
100,000 POPULATION

115.6 to 131.74
101.49 to 115.6
87.5 to 101.49
66.71 to 87.5
54.24 to 66.71
35.2 to 54.24



AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 5.B

TABLE 6

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

HYPERTENSION WITH OR WITHOUT RENAL DISEASE

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 231 | 3.69 | 1208 | 3.96 | 3.96 |
| REGIONS | | | | | |
| DHR I WESTERN | 80 | 3.73 | 366 | 3.50 | 3.92 |
| DHR II N. CENTRAL | 44 | 3.33 | 276 | 4.26 | 4.14 |
| DHR III S. CENTRAL | 60 | 4.09 | 284 | 4.01 | 4.31 |
| DHR IV EASTERN | 47 | 3.53 | 282 | 4.35 | 3.88 |
| HSA I WESTERN | 40 | 3.73 | 176 | 3.35 | 3.50 |
| HSA II PIEDMONT | 41 | 3.52 | 233 | 4.07 | 4.20 |
| HSA III S. PIEDMONT | 40 | 3.73 | 190 | 3.65 | 4.10 |
| HSA IV CAPITAL | 29 | 3.20 | 159 | 3.68 | 3.72 |
| HSA V CARDINAL | 44 | 4.64 | 208 | 4.48 | 4.54 |
| HSA VI EASTERN | 37 | 3.38 | 242 | 4.51 | 3.97 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 3 | 2.93 | 21 | 4.16 | 3.73 |
| 2 ALEXANDER | 2 | 7.51 | 8 | 6.12 | 7.85* |
| 3 ALLEGHANY | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 4 ANSON | 0 | 0.00 | 11 | 8.48 | 5.15 |
| 5 ASHE | 2 | 8.53 | 4 | 3.46 | 2.06 |
| 6 AVERY | 0 | 0.00 | 2 | 2.68 | 1.98 |
| 7 BEAUFORT | 3 | 6.93 | 14 | 6.62 | 5.01 |
| 8 BERTIE | 1 | 4.68 | 6 | 5.62 | 3.62 |
| 9 BLADEN | 2 | 6.50 | 6 | 3.90 | 2.90 |
| 10 BRUNSWICK | 0 | 0.00 | 6 | 2.90 | 2.98 |
| 11 BUNCOMBE | 12 | 7.13 | 43 | 5.21 | 4.54 |
| 12 BURKE | 1 | 1.32 | 12 | 3.23 | 3.41 |
| 13 CABARRUS | 5 | 5.43 | 20 | 4.43 | 4.45 |
| 14 CALDWELL | 0 | 0.00 | 7 | 2.04 | 1.90 |
| 15 CAMDEN | 0 | 0.00 | 1 | 3.46 | 4.80 |
| 16 CARTERET | 2 | 4.10 | 8 | 3.50 | 5.08 |
| 17 CASWELL | 2 | 8.91 | 5 | 4.61 | 2.97 |
| 18 CATAWBA | 4 | 3.55 | 16 | 2.92 | 4.36 |
| 19 CHATHAM | 0 | 0.00 | 5 | 2.88 | 2.43 |
| 20 CHEROKEE | 0 | 0.00 | 1 | 1.01 | 0.65 |
| 21 CHOWAN | 1 | 7.59 | 9 | 14.04 | 12.18 |
| 22 CLAY | 0 | 0.00 | 1 | 2.85 | 1.27 |
| 23 CLEVELAND | 5 | 5.80 | 11 | 2.60 | 2.32 |
| 24 COLUMBUS | 3 | 5.76 | 10 | 3.85 | 2.92 |
| 25 CRAVEN | 4 | 5.03 | 11 | 2.92 | 3.56 |
| 26 CUMBERLAND | 5 | 1.95 | 44 | 3.48 | 6.23 |
| 27 CURRITUCK | 1 | 7.75 | 2 | 3.26 | 3.12 |
| 28 DARE | 0 | 0.00 | 2 | 2.55 | 2.19 |
| 29 DAVIDSON | 2 | 1.68 | 19 | 3.28 | 4.19 |
| 30 DAVIE | 1 | 3.61 | 5 | 3.69 | 4.12 |
| 31 DUPLIN | 4 | 9.61 | 8 | 3.87 | 2.58 |
| 32 DURHAM | 7 | 4.33 | 29 | 3.66 | 3.28 |
| 33 EDGECOMBE | 0 | 0.00 | 13 | 4.54 | 3.03 |
| 34 FORSYTH | 14 | 5.41 | 72 | 5.70 | 5.38 |
| 35 FRANKLIN | 0 | 0.00 | 8 | 5.09 | 3.62 |
| 36 GASTON | 5 | 2.91 | 18 | 2.15 | 2.69 |
| 37 GATES | 2 | 21.31 | 3 | 6.54 | 4.07 |
| 38 GRAHAM | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 39 GRANVILLE | 0 | 0.00 | 3 | 1.67 | 1.21 |
| 40 GREENE | 1 | 6.05 | 8 | 9.79 | 6.42 |
| 41 GUILFORD | 10 | 3.06 | 59 | 3.66 | 3.66 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
HYPERTENSION WITH OR WITHOUT RENAL DISEASE CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 3 | 5.36 | 14 | 5.02 | 3.41 |
| 43 HARNETT | 2 | 3.17 | 15 | 4.86 | 5.25 |
| 44 HAYWOOD | 5 | 10.43 | 13 | 5.50 | 6.82 |
| 45 HENDERSON | 2 | 3.02 | 19 | 5.99 | 11.25 |
| 46 HERTFORD | 0 | 0.00 | 3 | 2.52 | 0.88 |
| 47 HOKE | 0 | 0.00 | 6 | 5.44 | 4.26 |
| 48 HYDE | 0 | 0.00 | 2 | 6.71 | 3.56 |
| 49 IREDELL | 2 | 2.29 | 15 | 3.50 | 4.18 |
| 50 JACKSON | 0 | 0.00 | 1 | 0.74 | 0.61 |
| 51 JOHNSTON | 3 | 3.90 | 15 | 4.06 | 4.05 |
| 52 JONES | 1 | 10.23 | 2 | 4.09 | 2.75 |
| 53 LEE | 2 | 4.93 | 13 | 6.74 | 6.84 |
| 54 LENOIR | 1 | 1.65 | 17 | 5.63 | 4.92 |
| 55 LINCOLN | 0 | 0.00 | 3 | 1.36 | 2.92 |
| 56 MCDOWELL | 2 | 5.51 | 8 | 4.42 | 4.46 |
| 57 MACON | 1 | 4.33 | 8 | 7.20 | 3.16 |
| 58 MADISON | 0 | 0.00 | 2 | 2.32 | 1.24 |
| 59 MARTIN | 1 | 3.75 | 8 | 6.04 | 4.14 |
| 60 MECKLENBURG | 18 | 4.06 | 91 | 4.27 | 4.70 |
| 61 MITCHELL | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 62 MONTGOMERY | 4 | 16.83 | 11 | 9.45 | 8.52 |
| 63 MOORE | 5 | 9.12 | 17 | 6.42 | 4.97 |
| 64 NASH | 0 | 0.00 | 9 | 2.58 | 2.60 |
| 65 NEW HANOVER | 6 | 5.35 | 16 | 2.94 | 3.19 |
| 66 NORTHAMPTON | 2 | 8.94 | 3 | 2.67 | 1.73 |
| 67 ONSLOW | 2 | 1.63 | 14 | 2.38 | 5.89 |
| 68 ORANGE | 5 | 6.06 | 17 | 4.25 | 5.37 |
| 69 PAMLICO | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 70 PASQUOTANK | 1 | 3.40 | 5 | 3.47 | 2.59 |
| 71 PENDER | 1 | 4.09 | 8 | 6.84 | 5.10 |
| 72 PERQUIMANS | 1 | 9.71 | 8 | 16.28 | 7.92 |
| 73 PERSON | 1 | 3.30 | 6 | 4.01 | 3.39 |
| 74 PITT | 3 | 3.12 | 23 | 4.88 | 4.62 |
| 75 POLK | 0 | 0.00 | 4 | 5.72 | 2.10 |
| 76 RANDOLPH | 2 | 2.05 | 9 | 1.89 | 2.74 |
| 77 RICHMOND | 0 | 0.00 | 9 | 3.94 | 3.53 |
| 78 ROBESON | 10 | 9.43 | 31 | 5.93 | 4.93 |
| 79 ROCKINGHAM | 4 | 4.68 | 20 | 4.70 | 4.61 |
| 80 ROWAN | 5 | 4.83 | 27 | 5.31 | 4.82 |
| 81 RUTHERFORD | 1 | 1.75 | 8 | 2.87 | 2.66 |
| 82 SAMPSON | 5 | 9.93 | 10 | 3.99 | 3.12 |
| 83 SCOTLAND | 1 | 2.97 | 8 | 4.80 | 4.95 |
| 84 STANLY | 2 | 3.98 | 4 | 1.62 | 1.81 |
| 85 STOKES | 1 | 2.82 | 8 | 4.60 | 6.72 |
| 86 SURRY | 2 | 3.28 | 13 | 4.30 | 3.84 |
| 87 SWAIN | 1 | 9.34 | 1 | 1.88 | 1.80 |
| 88 TRANSYLVANIA | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 89 TYRRELL | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 90 UNION | 3 | 3.84 | 12 | 3.20 | 3.96 |
| 91 VANCE | 0 | 0.00 | 19 | 10.13 | 6.54 |
| 92 WAKE | 9 | 2.54 | 37 | 2.25 | 2.99 |
| 93 WARREN | 2 | 12.19 | 7 | 8.56 | 2.17 |
| 94 WASHINGTON | 0 | 0.00 | 10 | 13.77 | 10.78 |
| 95 WATAUGA | 1 | 2.92 | 4 | 2.38 | 2.09 |
| 96 WAYNE | 2 | 2.02 | 25 | 5.10 | 4.23 |
| 97 WILKES | 1 | 1.64 | 2 | 0.66 | 0.58 |
| 98 WILSON | 1 | 1.55 | 14 | 4.37 | 3.75 |
| 99 YADKIN | 0 | 0.00 | 2 | 1.36 | 0.95 |
| 100 YANCEY | 0 | 0.00 | 1 | 1.30 | 0.74 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

TABLE 7

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CEREBROVASCULAR DISEASE

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 4633 | 74.08 | 22999 | 75.45 | 75.45 |
| REGIONS | | | | | |
| DHR I WESTERN | 1588 | 74.09 | 7618 | 72.94 | 70.05 |
| DHR II N. CENTRAL | 980 | 74.33 | 5110 | 78.91 | 74.76 |
| DHR III S. CENTRAL | 946 | 64.62 | 4853 | 68.55 | 78.86 |
| DHR IV EASTERN | 1119 | 84.23 | 5418 | 83.60 | 83.31 |
| HSA I WESTERN | 799 | 74.51 | 3860 | 73.49 | 65.21 |
| HSA II PIEDMONT | 837 | 71.90 | 4452 | 77.81 | 75.37 |
| HSA III S. PIEDMONT | 789 | 73.67 | 3758 | 72.38 | 75.58 |
| HSA IV CAPITAL | 558 | 61.65 | 2752 | 63.72 | 67.76 |
| HSA V CARDINAL | 770 | 81.28 | 3787 | 81.59 | 90.32 |
| HSA VI EASTERN | 880 | 80.41 | 4390 | 81.98 | 81.67 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 72 | 70.41 | 415 | 82.24 | 73.04 |
| 2 ALEXANDER | 12 | 45.08 | 74 | 56.63 | 64.55 |
| 3 ALLEGHANY | 10 | 103.17 | 49 | 100.03 | 86.39* |
| 4 ANSON | 21 | 80.04 | 141 | 108.72 | 80.29 |
| 5 ASHE | 12 | 51.23 | 76 | 65.86 | 37.52 |
| 6 AVERY | 3 | 20.00 | 30 | 40.30 | 46.15* |
| 7 BEAUFORT | 49 | 113.26 | 223 | 105.51 | 91.83 |
| 8 BERTIE | 20 | 93.71 | 89 | 83.42 | 63.19 |
| 9 BLADEN | 29 | 94.34 | 186 | 121.10 | 117.25 |
| 10 BRUNSWICK | 29 | 63.65 | 135 | 65.43 | 65.29 |
| 11 BUNCOMBE | 163 | 96.86 | 760 | 92.20 | 72.58 |
| 12 BURKE | 35 | 46.32 | 204 | 54.92 | 60.31 |
| 13 CABARRUS | 86 | 93.41 | 417 | 92.48 | 88.51 |
| 14 CALDWELL | 33 | 46.97 | 167 | 48.74 | 53.50 |
| 15 CAMDEN | 6 | 103.19 | 30 | 103.89 | 99.27 |
| 16 CARTERET | 28 | 57.45 | 127 | 55.63 | 57.78 |
| 17 CASWELL | 20 | 89.11 | 102 | 94.19 | 91.83 |
| 18 CATAWBA | 77 | 68.38 | 353 | 64.45 | 72.51 |
| 19 CHATHAM | 24 | 67.86 | 161 | 92.83 | 78.98 |
| 20 CHEROKEE | 13 | 64.33 | 70 | 71.12 | 54.58 |
| 21 CHOWAN | 18 | 136.79 | 78 | 121.75 | 81.33 |
| 22 CLAY | 3 | 42.69 | 20 | 57.17 | 33.25 |
| 23 CLEVELAND | 65 | 75.43 | 303 | 71.85 | 68.92 |
| 24 COLUMBUS | 53 | 101.77 | 285 | 109.95 | 107.16 |
| 25 CRAVEN | 43 | 54.10 | 213 | 56.57 | 76.88 |
| 26 CUMBERLAND | 114 | 44.51 | 608 | 48.10 | 101.37 |
| 27 CURRITUCK | 11 | 85.31 | 39 | 63.63 | 62.54 |
| 28 DARE | 7 | 40.59 | 51 | 65.07 | 60.53 |
| 29 DAVIDSON | 63 | 53.17 | 351 | 60.63 | 68.13 |
| 30 DAVIE | 16 | 57.80 | 84 | 62.04 | 69.44 |
| 31 DUPLIN | 29 | 69.73 | 206 | 99.69 | 86.55 |
| 32 DURHAM | 93 | 57.54 | 498 | 63.01 | 60.44 |
| 33 EDGECOMBE | 60 | 102.71 | 303 | 105.93 | 94.79 |
| 34 FORSYTH | 179 | 69.24 | 917 | 72.67 | 68.50 |
| 35 FRANKLIN | 27 | 82.37 | 119 | 75.77 | 56.59 |
| 36 GASTON | 135 | 78.59 | 596 | 71.21 | 76.07 |
| 37 GATES | 5 | 53.29 | 40 | 87.30 | 58.15 |
| 38 GRAHAM | 3 | 41.73 | 22 | 61.85 | 54.02 |
| 39 GRANVILLE | 34 | 92.73 | 158 | 88.47 | 78.38 |
| 40 GREENE | 14 | 84.82 | 70 | 85.69 | 90.75 |
| 41 GUILFORD | 244 | 74.73 | 1308 | 81.16 | 78.58 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CEREBROVASCULAR DISEASE CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 51 | 91.13 | 309 | 110.97 | 83.33 |
| 43 HARNETT | 35 | 55.55 | 213 | 69.01 | 74.31 |
| 44 HAYWOOD | 40 | 83.49 | 218 | 92.29 | 78.24 |
| 45 HENDERSON | 64 | 96.69 | 314 | 99.10 | 57.93 |
| 46 HERTFORD | 18 | 75.23 | 86 | 72.43 | 55.89 |
| 47 HOKE | 11 | 48.87 | 67 | 60.81 | 69.03 |
| 48 HYDE | 7 | 117.27 | 37 | 124.19 | 82.33 |
| 49 IREDELL | 77 | 88.25 | 394 | 92.16 | 84.29 |
| 50 JACKSON | 18 | 66.74 | 70 | 52.12 | 43.57 |
| 51 JOHNSTON | 52 | 67.69 | 256 | 69.32 | 68.67 |
| 52 JONES | 9 | 92.11 | 61 | 124.82 | 98.26 |
| 53 LEE | 21 | 51.79 | 141 | 73.13 | 74.66 |
| 54 LENOIR | 67 | 110.77 | 331 | 109.76 | 102.55 |
| 55 LINCOLN | 39 | 85.43 | 161 | 73.31 | 79.91 |
| 56 MCDOWELL | 33 | 90.95 | 121 | 66.99 | 64.40 |
| 57 MACON | 16 | 69.34 | 80 | 72.09 | 52.58 |
| 58 MADISON | 29 | 168.69 | 82 | 95.18 | 76.01* |
| 59 MARTIN | 32 | 120.06 | 119 | 89.92 | 73.49 |
| 60 MECKLENBURG | 280 | 63.27 | 1285 | 60.36 | 69.72 |
| 61 MITCHELL | 11 | 75.55 | 69 | 95.88 | 54.42 |
| 62 MONTGOMERY | 25 | 105.20 | 99 | 85.11 | 72.99 |
| 63 MOORE | 52 | 94.89 | 314 | 118.59 | 88.23 |
| 64 NASH | 54 | 76.28 | 337 | 96.85 | 93.26 |
| 65 NEW HANOVER | 133 | 118.72 | 489 | 89.92 | 92.35 |
| 66 NORTHAMPTON | 32 | 143.11 | 135 | 120.29 | 75.87 |
| 67 ONSLOW | 41 | 33.46 | 179 | 30.43 | 76.46 |
| 68 ORANGE | 37 | 44.87 | 178 | 44.59 | 58.62 |
| 69 PAMLICO | 14 | 127.55 | 40 | 74.72 | 56.80 |
| 70 PASQUOTANK | 20 | 68.12 | 117 | 81.30 | 67.29 |
| 71 PENDER | 24 | 98.26 | 119 | 101.88 | 89.68 |
| 72 PERQUIMANS | 3 | 29.13 | 43 | 87.54 | 52.74 |
| 73 PERSON | 30 | 99.16 | 121 | 80.92 | 70.79 |
| 74 PITT | 64 | 66.76 | 331 | 70.22 | 80.18 |
| 75 POLK | 15 | 104.25 | 85 | 121.73 | 68.95 |
| 76 RANDOLPH | 88 | 90.50 | 448 | 94.45 | 104.10 |
| 77 RICHMOND | 47 | 101.84 | 247 | 108.19 | 95.00 |
| 78 ROBESON | 92 | 86.77 | 503 | 96.22 | 99.82 |
| 79 ROCKINGHAM | 66 | 77.35 | 394 | 92.72 | 87.29 |
| 80 ROWAN | 92 | 88.93 | 468 | 92.16 | 74.28 |
| 81 RUTHERFORD | 53 | 93.07 | 278 | 99.87 | 80.68 |
| 82 SAMPSON | 63 | 125.14 | 224 | 89.46 | 75.42 |
| 83 SCOTLAND | 42 | 124.98 | 157 | 94.28 | 106.69 |
| 84 STANLY | 36 | 71.74 | 196 | 79.77 | 72.57 |
| 85 STOKES | 21 | 59.41 | 101 | 58.19 | 61.96 |
| 86 SURRY | 46 | 75.62 | 219 | 72.58 | 68.26 |
| 87 SWAIN | 14 | 130.85 | 47 | 88.80 | 62.44 |
| 88 TRANSYLVANIA | 12 | 46.90 | 74 | 60.03 | 48.52 |
| 89 TYRRELL | 3 | 72.69 | 16 | 76.98 | 61.83 |
| 90 UNION | 44 | 56.32 | 241 | 64.33 | 75.96 |
| 91 VANCE | 30 | 78.28 | 156 | 83.20 | 63.72 |
| 92 WAKE | 188 | 53.13 | 860 | 52.46 | 71.48 |
| 93 WARREN | 22 | 134.15 | 104 | 127.28 | 66.60 |
| 94 WASHINGTON | 13 | 89.47 | 55 | 75.78 | 82.27 |
| 95 WATAUGA | 14 | 40.96 | 61 | 36.35 | 30.23 |
| 96 WAYNE | 98 | 99.35 | 416 | 84.87 | 95.76 |
| 97 WILKES | 41 | 67.43 | 171 | 56.98 | 60.99 |
| 98 WILSON | 64 | 99.45 | 309 | 96.61 | 92.89 |
| 99 YADKIN | 22 | 74.91 | 113 | 77.32 | 68.99 |
| 100 YANCEY | 10 | 64.20 | 62 | 81.13 | 69.35 * |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CEREBROVASCULAR DISEASES

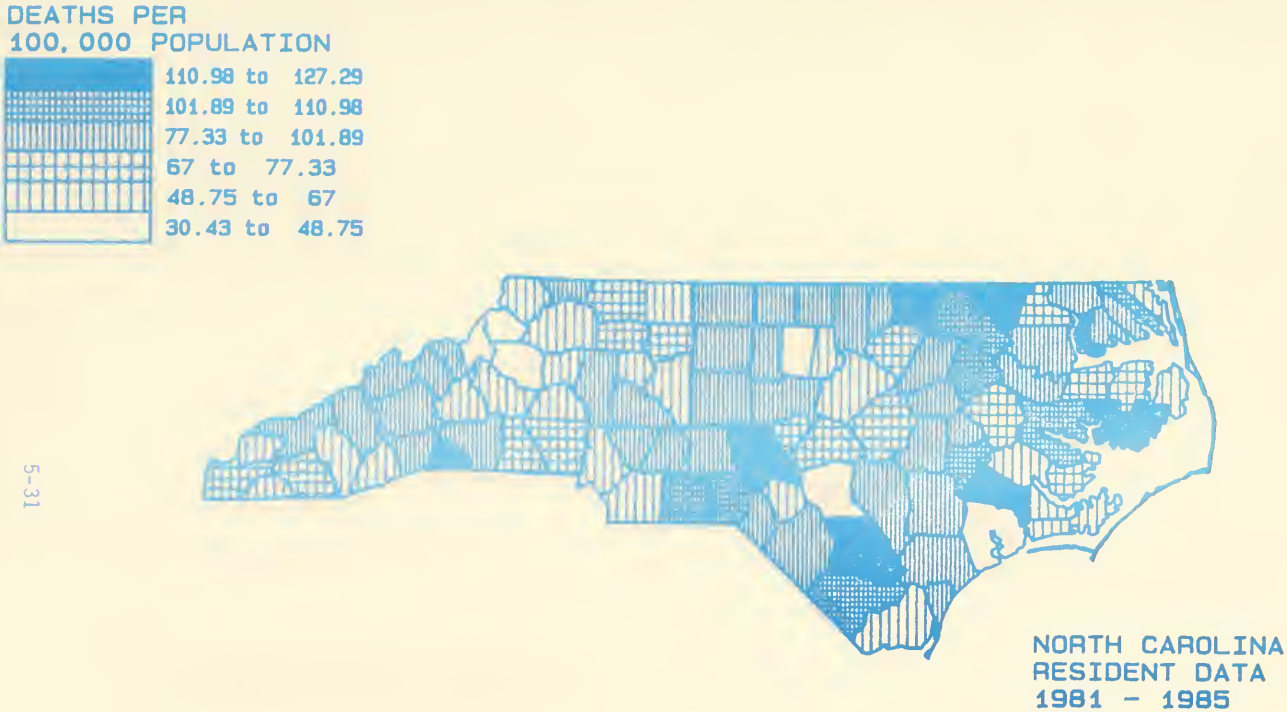



FIGURE 7.A

# CEREBROVASCULAR DISEASES

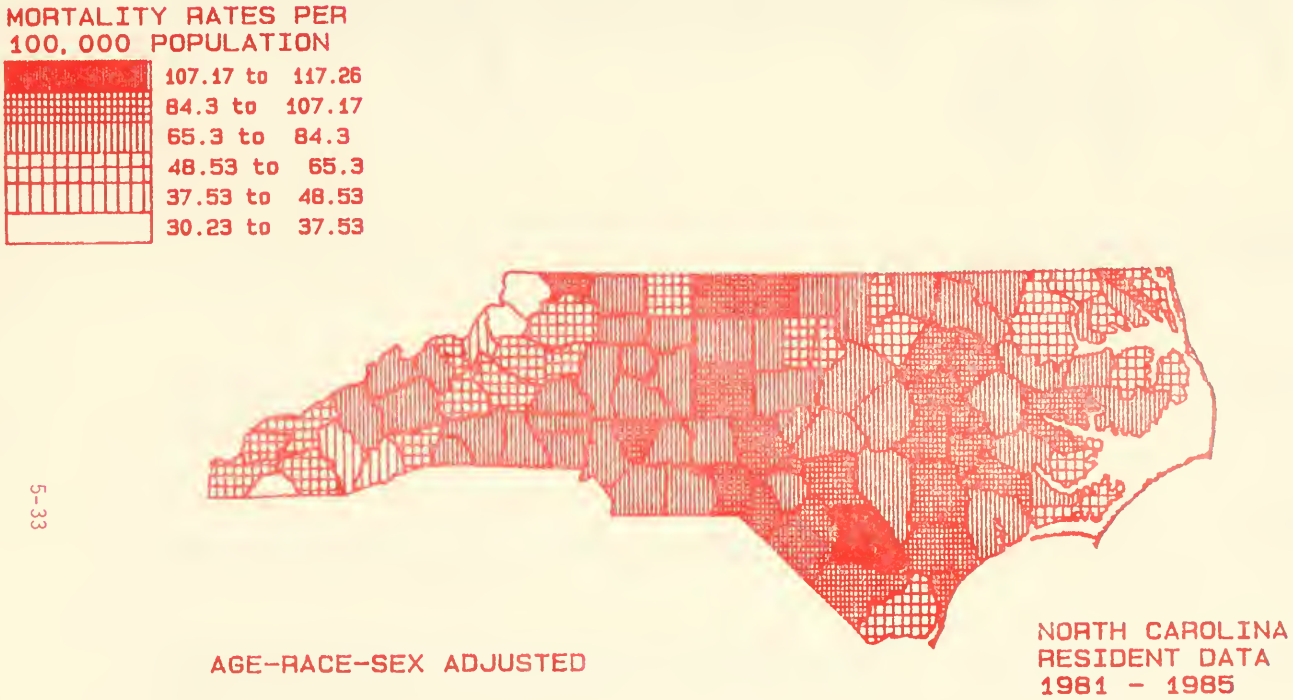



FIGURE 7.B

TABLE 8

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

ATHEROSCLEROSIS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 529 | 8.45 | 2736 | 8.97 | 8.97 |
| REGIONS | | | | | |
| DHR I WESTERN | 205 | 9.56 | 953 | 9.12 | 8.28 |
| DHR II N. CENTRAL | 102 | 7.73 | 549 | 8.47 | 7.93 |
| DHR III S. CENTRAL | 112 | 7.65 | 642 | 9.06 | 10.61 |
| DHR IV EASTERN | 110 | 8.28 | 592 | 9.13 | 9.63 |
| HSA I WESTERN | 112 | 10.44 | 493 | 9.38 | 7.65 |
| HSA II PIEDMONT | 98 | 8.41 | 517 | 9.03 | 8.58 |
| HSA III S. PIEDMONT | 93 | 8.68 | 460 | 8.86 | 9.10 |
| HSA IV CAPITAL | 67 | 7.40 | 325 | 7.52 | 8.02 |
| HSA V CARDINAL | 67 | 7.07 | 473 | 10.19 | 11.81 |
| HSA VI EASTERN | 92 | 8.40 | 468 | 8.73 | 9.34 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 11 | 10.75 | 65 | 12.88 | 11.32 |
| 2 ALEXANDER | 1 | 3.75 | 8 | 6.12 | 8.54 |
| 3 ALLEGHANY | 2 | 20.63 | 3 | 6.12 | 3.57 |
| 4 ANSON | 0 | 0.00 | 11 | 8.48 | 4.18 |
| 5 ASHE | 4 | 17.07 | 16 | 13.86 | 7.92 |
| 6 AVERY | 1 | 6.66 | 4 | 5.37 | 4.94 |
| 7 BEAUFORT | 0 | 0.00 | 13 | 6.15 | 5.53 |
| 8 BERTIE | 3 | 14.05 | 7 | 6.56 | 6.61 |
| 9 BLADEN | 0 | 0.00 | 9 | 5.85 | 5.80 |
| 10 BRUNSWICK | 3 | 6.58 | 25 | 12.11 | 13.65 |
| 11 BUNCOMBE | 29 | 17.23 | 113 | 13.70 | 9.80 |
| 12 BURKE | 4 | 5.29 | 15 | 4.03 | 3.94 |
| 13 CABARRUS | 4 | 4.34 | 21 | 4.65 | 4.46 |
| 14 CALDWELL | 6 | 8.54 | 16 | 4.66 | 5.23 |
| 15 CAMDEN | 1 | 17.19 | 5 | 17.31 | 18.46 |
| 16 CARTERET | 0 | 0.00 | 9 | 3.94 | 3.00 |
| 17 CASWELL | 2 | 8.91 | 12 | 11.08 | 10.11 |
| 18 CATAWBA | 10 | 8.88 | 36 | 6.57 | 6.38 |
| 19 CHATHAM | 3 | 8.48 | 7 | 4.03 | 3.25 |
| 20 CHEROKEE | 1 | 4.94 | 5 | 5.08 | 2.60 |
| 21 CHOWAN | 2 | 15.19 | 8 | 12.48 | 9.06 |
| 22 CLAY | 0 | 0.00 | 3 | 8.57 | 4.18 |
| 23 CLEVELAND | 7 | 8.12 | 49 | 11.62 | 10.42 |
| 24 COLUMBUS | 3 | 5.76 | 27 | 10.41 | 9.85 |
| 25 CRAVEN | 8 | 10.06 | 38 | 10.09 | 13.66 |
| 26 CUMBERLAND | 8 | 3.12 | 65 | 5.14 | 13.05 |
| 27 CURRITUCK | 2 | 15.51 | 7 | 11.42 | 11.16 |
| 28 DARE | 4 | 23.19 | 12 | 15.31 | 13.23 |
| 29 DAVIDSON | 10 | 8.44 | 51 | 8.81 | 9.04 |
| 30 DAVIE | 2 | 7.22 | 8 | 5.90 | 6.99 |
| 31 DUPLIN | 5 | 12.02 | 27 | 13.06 | 12.27 |
| 32 DURHAM | 20 | 12.37 | 120 | 15.18 | 13.85 |
| 33 EDGECOMBE | 6 | 10.27 | 36 | 12.58 | 14.20 |
| 34 FORSYTH | 11 | 4.25 | 80 | 6.34 | 5.99 |
| 35 FRANKLIN | 1 | 3.05 | 5 | 3.18 | 2.22 |
| 36 GASTON | 10 | 5.82 | 60 | 7.16 | 8.04 |
| 37 GATES | 0 | 0.00 | 5 | 10.91 | 6.45 |
| 38 GRAHAM | 1 | 13.91 | 1 | 2.81 | 2.47 |
| 39 GRANVILLE | 0 | 0.00 | 7 | 3.91 | 3.91 |
| 40 GREENE | 0 | 0.00 | 11 | 13.46 | 15.78 |
| 41 GUILFORD | 41 | 12.55 | 162 | 10.05 | 9.62 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
ATHEROSCLEROSIS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 7 | 12.50 | 35 | 12.56 | 10.06 |
| 43 HARNETT | 3 | 4.76 | 13 | 4.21 | 4.39 |
| 44 HAYWOOD | 6 | 12.52 | 16 | 6.77 | 3.78 |
| 45 HENDERSON | 8 | 12.08 | 36 | 11.36 | 7.61 |
| 46 HERTFORD | 1 | 4.17 | 9 | 7.58 | 5.28 |
| 47 HOKE | 1 | 4.44 | 9 | 8.16 | 11.46 |
| 48 HYDE | 0 | 0.00 | 1 | 3.35 | 0.92 |
| 49 IREDELL | 9 | 10.31 | 58 | 13.56 | 12.63 |
| 50 JACKSON | 4 | 14.83 | 11 | 8.19 | 6.47 |
| 51 JOHNSTON | 5 | 6.50 | 20 | 5.41 | 5.37 |
| 52 JONES | 1 | 10.23 | 6 | 12.27 | 9.51 |
| 53 LEE | 4 | 9.86 | 25 | 12.96 | 13.07 |
| 54 LENOIR | 10 | 16.53 | 30 | 9.94 | 9.63 |
| 55 LINCOLN | 7 | 15.33 | 27 | 12.29 | 12.30 |
| 56 MCDOWELL | 5 | 13.78 | 18 | 9.96 | 8.70 |
| 57 MACON | 1 | 4.33 | 9 | 8.11 | 3.64 |
| 58 MADISON | 1 | 5.81 | 8 | 9.28 | 11.82* |
| 59 MARTIN | 0 | 0.00 | 3 | 2.26 | 2.29 |
| 60 MECKLENBURG | 40 | 9.03 | 136 | 6.38 | 7.54 |
| 61 MITCHELL | 1 | 6.86 | 8 | 11.11 | 5.56 |
| 62 MONTGOMERY | 4 | 16.83 | 12 | 10.31 | 8.41 |
| 63 MOORE | 9 | 16.42 | 63 | 23.79 | 17.46 |
| 64 NASH | 1 | 1.41 | 23 | 6.61 | 7.11 |
| 65 NEW HANOVER | 11 | 9.81 | 62 | 11.40 | 11.78 |
| 66 NORTHAMPTON | 4 | 17.88 | 15 | 13.36 | 11.83 |
| 67 ONSLOW | 7 | 5.71 | 24 | 4.08 | 11.54 |
| 68 ORANGE | 9 | 10.91 | 33 | 8.26 | 10.64 |
| 69 PAMLICO | 0 | 0.00 | 4 | 7.47 | 5.27 |
| 70 PASQUOTANK | 0 | 0.00 | 15 | 10.42 | 8.06 |
| 71 PENDER | 1 | 4.09 | 10 | 8.56 | 8.37 |
| 72 PERQUIMANS | 5 | 48.55 | 11 | 22.39 | 14.05 |
| 73 PERSON | 1 | 3.30 | 8 | 5.35 | 5.00 |
| 74 PITT | 5 | 5.21 | 35 | 7.42 | 9.03 |
| 75 POLK | 0 | 0.00 | 10 | 14.32 | 7.61 |
| 76 RANDOLPH | 3 | 3.08 | 23 | 4.84 | 6.51 |
| 77 RICHMOND | 6 | 13.00 | 32 | 14.01 | 13.08 |
| 78 ROBESON | 13 | 12.26 | 84 | 16.06 | 19.58 |
| 79 ROCKINGHAM | 2 | 2.34 | 36 | 8.47 | 7.99 |
| 80 ROWAN | 15 | 14.50 | 105 | 20.67 | 15.13 |
| 81 RUTHERFORD | 8 | 14.04 | 43 | 15.44 | 12.05 |
| 82 SAMPSON | 2 | 3.97 | 18 | 7.18 | 6.48 |
| 83 SCOTLAND | 3 | 8.92 | 33 | 19.81 | 24.48 |
| 84 STANLY | 5 | 9.96 | 33 | 13.43 | 13.04 |
| 85 STOKES | 6 | 16.97 | 16 | 9.21 | 8.25 |
| 86 SURRY | 8 | 13.15 | 55 | 18.22 | 15.59 |
| 87 SWAIN | 0 | 0.00 | 11 | 20.78 | 14.47 |
| 88 TRANSYLVANIA | 5 | 19.54 | 18 | 14.60 | 14.23 |
| 89 TYRRELL | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 90 UNION | 3 | 3.84 | 20 | 5.33 | 6.45 |
| 91 VANCE | 0 | 0.00 | 4 | 2.13 | 2.25 |
| 92 WAKE | 22 | 6.21 | 88 | 5.36 | 7.56 |
| 93 WARREN | 2 | 12.19 | 8 | 9.79 | 6.59 |
| 94 WASHINGTON | 1 | 6.88 | 4 | 5.51 | 7.13 |
| 95 WATAUGA | 2 | 5.85 | 8 | 4.76 | 11.36* |
| 96 WAYNE | 12 | 12.16 | 38 | 7.75 | 9.58 |
| 97 WILKES | 2 | 3.28 | 18 | 5.99 | 5.96 |
| 98 WILSON | 7 | 10.87 | 37 | 11.56 | 12.09 |
| 99 YADKIN | 2 | 6.81 | 9 | 6.15 | 4.33 |
| 100 YANCEY | 3 | 19.26 | 10 | 13.08 | 7.18 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

TABLE 9

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 11159 | 178.43 | 52257 | 171.45 | 171.45 |
| REGIONS | | | | | |
| DHR I WESTERN | 3940 | 183.83 | 18238 | 174.63 | 167.33 |
| DHR II N. CENTRAL | 2414 | 183.10 | 11561 | 178.53 | 170.25 |
| DHR III S. CENTRAL | 2327 | 158.96 | 10838 | 153.09 | 175.39 |
| DHR IV EASTERN | 2478 | 186.53 | 11620 | 179.29 | 181.12 |
| HSA I WESTERN | 2040 | 190.24 | 9495 | 180.79 | 163.81 |
| HSA II PIEDMONT | 2118 | 181.96 | 10093 | 176.42 | 170.96 |
| HSA III S. PIEDMONT | 1900 | 177.40 | 8743 | 168.40 | 171.85 |
| HSA IV CAPITAL | 1507 | 166.51 | 7065 | 163.59 | 175.74 |
| HSA V CARDINAL | 1564 | 165.09 | 7399 | 159.42 | 175.77 |
| HSA VI EASTERN | 2030 | 185.49 | 9462 | 176.70 | 180.26 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 217 | 212.21 | 998 | 197.79 | 170.89 |
| 2 ALEXANDER | 34 | 127.72 | 167 | 127.82 | 146.69 |
| 3 ALLEGHANY | 27 | 278.58 | 98 | 200.07 | 180.14 |
| 4 ANSON | 60 | 228.70 | 238 | 183.51 | 157.57 |
| 5 ASHE | 53 | 226.27 | 211 | 182.84 | 167.25 |
| 6 AVERY | 20 | 133.36 | 119 | 159.87 | 121.98 |
| 7 BEAUFORT | 82 | 189.55 | 427 | 202.04 | 177.06 |
| 8 BERTIE | 46 | 215.54 | 260 | 243.71 | 211.28 |
| 9 BLADEN | 54 | 175.67 | 258 | 167.97 | 158.39 |
| 10 BRUNSWICK | 90 | 197.56 | 364 | 176.43 | 166.97 |
| 11 BUNCOMBE | 393 | 233.53 | 1798 | 218.12 | 183.20 |
| 12 BURKE | 113 | 149.57 | 505 | 135.96 | 141.43 |
| 13 CABARRUS | 162 | 175.96 | 801 | 177.65 | 164.47 |
| 14 CALDWELL | 124 | 176.52 | 542 | 158.18 | 169.61 |
| 15 CAMDEN | 15 | 257.99 | 64 | 221.65 | 196.06 |
| 16 CARTERET | 103 | 211.35 | 489 | 214.19 | 195.98 |
| 17 CASWELL | 32 | 142.58 | 165 | 152.38 | 146.36 |
| 18 CATAWBA | 207 | 183.83 | 880 | 160.67 | 172.97 |
| 19 CHATHAM | 57 | 161.18 | 303 | 174.71 | 156.55 |
| 20 CHEROKEE | 30 | 148.46 | 195 | 198.13 | 161.43 |
| 21 CHOWAN | 40 | 303.99 | 161 | 251.31 | 190.20 |
| 22 CLAY | 19 | 270.42 | 78 | 222.99 | 207.13 |
| 23 CLEVELAND | 139 | 161.32 | 707 | 167.67 | 160.35 |
| 24 COLUMBUS | 84 | 161.30 | 413 | 159.33 | 151.90 |
| 25 CRAVEN | 121 | 152.24 | 553 | 146.87 | 182.04 |
| 26 CUMBERLAND | 288 | 112.46 | 1299 | 102.77 | 186.83 |
| 27 CURRITUCK | 30 | 232.66 | 121 | 197.41 | 182.63 |
| 28 DARE | 29 | 168.18 | 147 | 187.55 | 150.73 |
| 29 DAVIDSON | 214 | 180.62 | 943 | 162.91 | 164.90 |
| 30 DAVIE | 50 | 180.64 | 244 | 180.22 | 183.86 |
| 31 DUPLIN | 104 | 250.07 | 427 | 206.64 | 181.22 |
| 32 DURHAM | 326 | 201.70 | 1479 | 187.15 | 190.07 |
| 33 EDGECOMBE | 103 | 176.33 | 523 | 182.84 | 179.55 |
| 34 FORSYTH | 470 | 181.80 | 2186 | 173.24 | 169.16 |
| 35 FRANKLIN | 62 | 189.15 | 294 | 187.19 | 154.42 |
| 36 GASTON | 290 | 168.83 | 1399 | 167.16 | 170.30 |
| 37 GATES | 26 | 277.15 | 97 | 211.70 | 167.54 |
| 38 GRAHAM | 12 | 166.92 | 67 | 188.37 | 133.01 |
| 39 GRANVILLE | 64 | 174.56 | 348 | 194.86 | 165.51 |
| 40 GREENE | 26 | 157.52 | 128 | 156.70 | 164.54 |
| 41 GUILFORD | 605 | 185.29 | 3042 | 188.77 | 188.27 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 109 | 194.77 | 542 | 194.65 | 163.77 |
| 43 HARNETT | 96 | 152.37 | 509 | 164.92 | 173.08 |
| 44 HAYWOOD | 108 | 225.44 | 472 | 199.82 | 167.89 |
| 45 HENDERSON | 164 | 247.78 | 711 | 224.39 | 163.09 |
| 46 HERTFORD | 55 | 229.89 | 247 | 208.05 | 173.73 |
| 47 HOKE | 28 | 124.41 | 129 | 117.08 | 147.56 |
| 48 HYDE | 14 | 234.54 | 50 | 167.82 | 129.52 |
| 49 IREDELL | 161 | 184.52 | 745 | 174.27 | 161.74 |
| 50 JACKSON | 46 | 170.57 | 203 | 151.15 | 144.72 |
| 51 JOHNSTON | 125 | 162.72 | 675 | 182.80 | 174.77 |
| 52 JONES | 22 | 225.17 | 80 | 163.69 | 137.93 |
| 53 LEE | 70 | 172.63 | 354 | 183.60 | 186.96 |
| 54 LENOIR | 116 | 191.79 | 602 | 199.63 | 190.25 |
| 55 LINCOLN | 81 | 177.44 | 348 | 158.46 | 161.96 |
| 56 MCDOWELL | 65 | 179.15 | 288 | 159.45 | 139.91 |
| 57 MACON | 47 | 203.71 | 259 | 233.41 | 177.96 |
| 58 MADISON | 36 | 209.41 | 157 | 182.23 | 124.06 |
| 59 MARTIN | 52 | 195.09 | 260 | 196.46 | 171.32 |
| 60 MECKLENBURG | 781 | 176.49 | 3434 | 161.31 | 182.92 |
| 61 MITCHELL | 34 | 233.53 | 155 | 215.39 | 140.60 |
| 62 MONTGOMERY | 43 | 180.95 | 221 | 190.00 | 169.76 |
| 63 MOORE | 124 | 226.29 | 617 | 233.03 | 178.13 |
| 64 NASH | 131 | 185.05 | 602 | 173.02 | 165.98 |
| 65 NEW HANOVER | 228 | 203.52 | 1116 | 205.22 | 208.73 |
| 66 NORTHAMPTON | 57 | 254.91 | 258 | 229.90 | 196.86 |
| 67 ONSLOW | 120 | 97.95 | 495 | 84.17 | 179.65 |
| 68 ORANGE | 116 | 140.67 | 495 | 124.01 | 163.61 |
| 69 PAMLICO | 20 | 182.21 | 123 | 229.77 | 183.65 |
| 70 PASQUOTANK | 61 | 207.79 | 303 | 210.56 | 193.56 |
| 71 PENDER | 46 | 188.34 | 265 | 226.88 | 193.39 |
| 72 PERQUIMANS | 25 | 242.76 | 108 | 219.87 | 154.66 |
| 73 PERSON | 49 | 161.96 | 262 | 175.21 | 158.14 |
| 74 PITT | 163 | 170.03 | 773 | 164.01 | 189.46 |
| 75 POLK | 43 | 298.86 | 185 | 264.95 | 174.87 |
| 76 RANDOLPH | 167 | 171.75 | 723 | 152.43 | 159.73 |
| 77 RICHMOND | 90 | 195.01 | 421 | 184.40 | 163.87 |
| 78 ROBESON | 171 | 161.28 | 791 | 151.31 | 177.80 |
| 79 ROCKINGHAM | 152 | 178.15 | 753 | 177.20 | 162.35 |
| 80 ROWAN | 219 | 211.70 | 1024 | 201.65 | 163.95 |
| 81 RUTHERFORD | 86 | 151.03 | 507 | 182.15 | 157.24 |
| 82 SAMPSON | 97 | 192.68 | 495 | 197.69 | 175.61 |
| 83 SCOTLAND | 65 | 193.42 | 263 | 157.93 | 181.39 |
| 84 STANLY | 88 | 175.36 | 458 | 186.42 | 165.84 |
| 85 STOKES | 58 | 164.09 | 263 | 151.54 | 155.95 |
| 86 SURRY | 97 | 159.46 | 530 | 175.66 | 165.26 |
| 87 SWAIN | 21 | 196.28 | 119 | 224.84 | 186.83 |
| 88 TRANSYLVANIA | 53 | 207.18 | 248 | 201.21 | 169.17 |
| 89 TYRRELL | 9 | 218.07 | 52 | 250.19 | 207.08 |
| 90 UNION | 118 | 151.05 | 534 | 142.56 | 164.45 |
| 91 VANCE | 80 | 208.76 | 363 | 193.60 | 167.84 |
| 92 WAKE | 517 | 146.12 | 2291 | 139.75 | 181.43 |
| 93 WARREN | 41 | 250.01 | 201 | 246.00 | 187.04 |
| 94 WASHINGTON | 37 | 254.66 | 145 | 199.79 | 193.46 |
| 95 WATAUGA | 42 | 122.90 | 208 | 123.94 | 153.05 |
| 96 WAYNE | 183 | 185.52 | 801 | 163.41 | 180.12 |
| 97 WILKES | 87 | 143.08 | 459 | 152.94 | 148.34 |
| 98 WILSON | 131 | 203.57 | 624 | 195.10 | 190.35 |
| 99 YADKIN | 56 | 190.70 | 246 | 168.32 | 149.77 |
| 100 YANCEY | 37 | 237.56 | 157 | 205.45 | 187.92 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# TOTAL CANCER

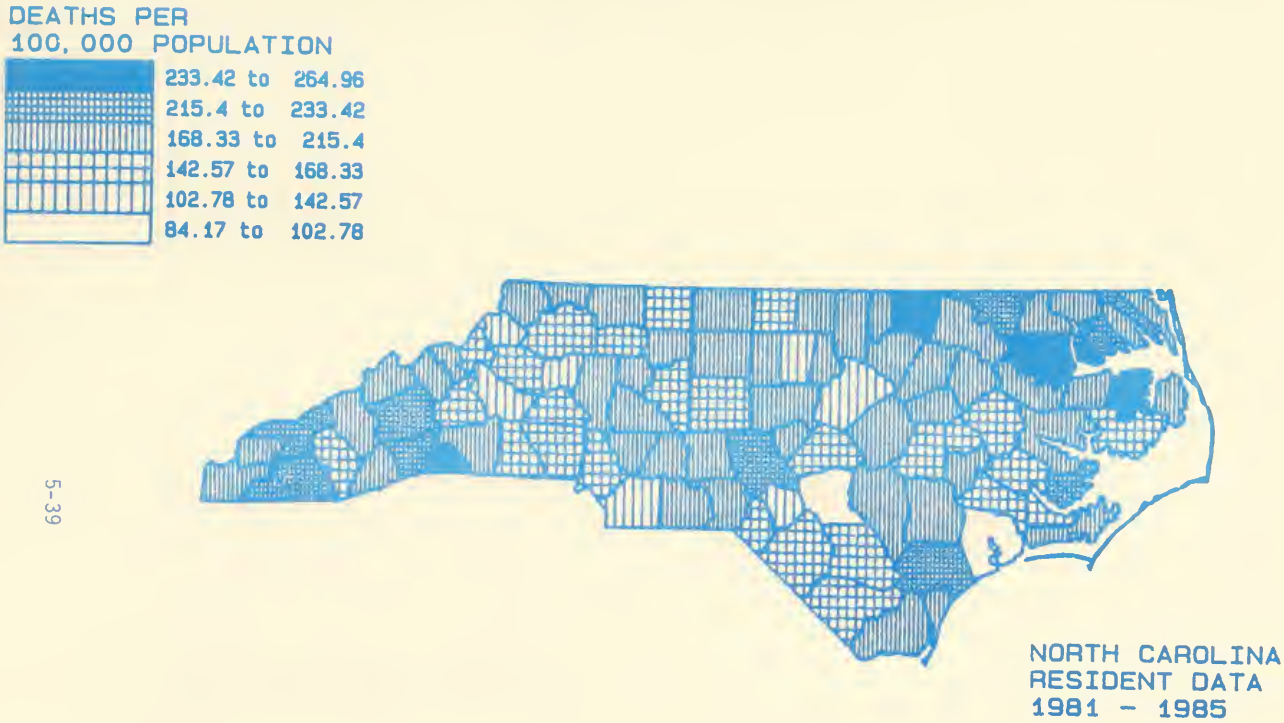



FIGURE 9.A

# TOTAL CANCER

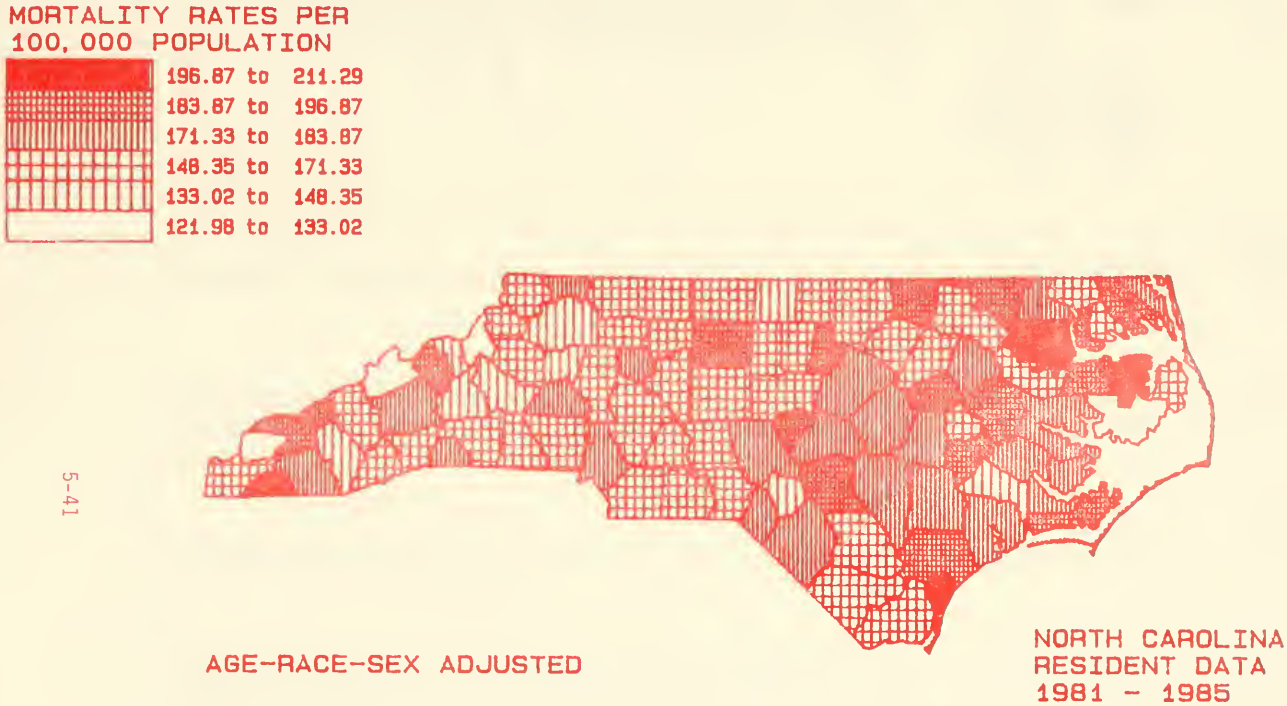



FIGURE 9.B

TABLE 10

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER OF STOMACH

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 280 | 4.47 | 1420 | 4.65 | 4.65 |
| REGIONS | | | | | |
| DHR I WESTERN | 100 | 4.66 | 500 | 4.78 | 4.90 |
| DHR II N. CENTRAL | 54 | 4.09 | 298 | 4.60 | 4.45 |
| DHR III S. CENTRAL | 48 | 3.27 | 293 | 4.13 | 4.51 |
| DHR IV EASTERN | 78 | 5.87 | 329 | 5.07 | 4.51 |
| HSA I WESTERN | 43 | 4.01 | 262 | 4.98 | 5.19 |
| HSA II PIEDMONT | 45 | 3.86 | 250 | 4.36 | 4.42 |
| HSA III S. PIEDMONT | 57 | 5.32 | 238 | 4.58 | 4.83 |
| HSA IV CAPITAL | 35 | 3.86 | 197 | 4.56 | 4.58 |
| HSA V CARDINAL | 30 | 3.16 | 199 | 4.28 | 4.53 |
| HSA VI EASTERN | 70 | 6.39 | 274 | 5.11 | 4.50 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 4 | 3.91 | 27 | 5.35 | 4.68 |
| 2 ALEXANDER | 0 | 0.00 | 5 | 3.82 | 3.63 |
| 3 ALLEGHANY | 0 | 0.00 | 2 | 4.08 | 13.82* |
| 4 ANSON | 1 | 3.81 | 7 | 5.39 | 4.51 |
| 5 ASHE | 1 | 4.26 | 8 | 6.93 | 4.40 |
| 6 AVERY | 0 | 0.00 | 1 | 1.34 | 0.95 |
| 7 BEAUFORT | 5 | 11.55 | 21 | 9.93 | 7.86 |
| 8 BERTIE | 1 | 4.68 | 15 | 14.06 | 8.76 |
| 9 BLADEN | 1 | 3.25 | 9 | 5.85 | 6.40 |
| 10 BRUNSWICK | 1 | 2.19 | 5 | 2.42 | 2.62 |
| 11 BUNCOMBE | 10 | 5.94 | 53 | 6.42 | 5.90 |
| 12 BURKE | 2 | 2.64 | 12 | 3.23 | 4.25 |
| 13 CABARRUS | 4 | 4.34 | 21 | 4.65 | 4.45 |
| 14 CALDWELL | 5 | 7.11 | 17 | 4.96 | 5.17 |
| 15 CAMDEN | 1 | 17.19 | 3 | 10.38 | 7.67 |
| 16 CARTERET | 2 | 4.10 | 5 | 2.19 | 1.67 |
| 17 CASWELL | 0 | 0.00 | 4 | 3.69 | 1.91 |
| 18 CATAWBA | 3 | 2.66 | 22 | 4.01 | 5.77 |
| 19 CHATHAM | 1 | 2.82 | 9 | 5.18 | 4.35 |
| 20 CHEROKEE | 2 | 9.89 | 5 | 5.08 | 2.99 |
| 21 CHOWAN | 1 | 7.59 | 4 | 6.24 | 4.82 |
| 22 CLAY | 0 | 0.00 | 1 | 2.85 | 2.35 |
| 23 CLEVELAND | 3 | 3.48 | 21 | 4.98 | 5.04 |
| 24 COLUMBUS | 1 | 1.92 | 8 | 3.08 | 2.87 |
| 25 CRAVEN | 4 | 5.03 | 17 | 4.51 | 4.81 |
| 26 CUMBERLAND | 9 | 3.51 | 45 | 3.56 | 6.54 |
| 27 CURRITUCK | 0 | 0.00 | 2 | 3.26 | 3.10 |
| 28 DARE | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 29 DAVIDSON | 5 | 4.22 | 25 | 4.31 | 4.77 |
| 30 DAVIE | 2 | 7.22 | 9 | 6.64 | 7.79 |
| 31 DUPLIN | 2 | 4.80 | 10 | 4.83 | 3.37 |
| 32 DURHAM | 5 | 3.09 | 40 | 5.06 | 4.35 |
| 33 EDGECOMBE | 5 | 8.55 | 17 | 5.94 | 4.16 |
| 34 FORSYTH | 8 | 3.09 | 67 | 5.30 | 5.06 |
| 35 FRANKLIN | 1 | 3.05 | 6 | 3.82 | 3.33 |
| 36 GASTON | 13 | 7.56 | 45 | 5.37 | 5.35 |
| 37 GATES | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 38 GRAHAM | 0 | 0.00 | 1 | 2.81 | 2.12 |
| 39 GRANVILLE | 5 | 13.63 | 14 | 7.83 | 6.45 |
| 40 GREENE | 1 | 6.05 | 3 | 3.67 | 4.79 |
| 41 GUILFORD | 11 | 3.36 | 67 | 4.15 | 4.19 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF STOMACH CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 4 | 7.14 | 17 | 6.10 | 4.20 |
| 43 HARNETT | 2 | 3.17 | 11 | 3.56 | 3.78 |
| 44 HAYWOOD | 0 | 0.00 | 15 | 6.35 | 3.78 |
| 45 HENDERSON | 3 | 4.53 | 16 | 5.04 | 3.96 |
| 46 HERTFORD | 2 | 8.35 | 2 | 1.68 | 0.56 |
| 47 HOKE | 0 | 0.00 | 3 | 2.72 | 2.42 |
| 48 HYDE | 0 | 0.00 | 1 | 3.35 | 2.92 |
| 49 IREDELL | 3 | 3.43 | 18 | 4.21 | 3.91 |
| 50 JACKSON | 0 | 0.00 | 7 | 5.21 | 4.07 |
| 51 JOHNSTON | 4 | 5.20 | 18 | 4.87 | 4.78 |
| 52 JONES | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 53 LEE | 0 | 0.00 | 11 | 5.70 | 6.11 |
| 54 LENOIR | 9 | 14.88 | 17 | 5.63 | 4.00 |
| 55 LINCOLN | 3 | 6.57 | 8 | 3.64 | 3.18 |
| 56 MCDOWELL | 3 | 8.26 | 9 | 4.98 | 8.11 |
| 57 MACON | 2 | 8.66 | 11 | 9.91 | 18.42 |
| 58 MADISON | 1 | 5.81 | 5 | 5.80 | 3.34 |
| 59 MARTIN | 2 | 7.50 | 11 | 8.31 | 6.14 |
| 60 MECKLENBURG | 22 | 4.97 | 103 | 4.83 | 5.48 |
| 61 MITCHELL | 1 | 6.86 | 3 | 4.16 | 2.58 |
| 62 MONTGOMERY | 1 | 4.20 | 7 | 6.01 | 5.19 |
| 63 MOORE | 3 | 5.47 | 11 | 4.15 | 3.21 |
| 64 NASH | 3 | 4.23 | 19 | 5.46 | 4.83 |
| 65 NEW HANOVER | 5 | 4.46 | 30 | 5.51 | 5.55 |
| 66 NORTHAMPTON | 1 | 4.47 | 6 | 5.34 | 4.63 |
| 67 ONSLOW | 2 | 1.63 | 7 | 1.19 | 2.50 |
| 68 ORANGE | 5 | 6.06 | 15 | 3.75 | 4.82 |
| 69 PAMLICO | 1 | 9.11 | 2 | 3.73 | 2.82 |
| 70 PASQUOTANK | 1 | 3.40 | 9 | 6.25 | 4.65 |
| 71 PENDER | 1 | 4.09 | 12 | 10.27 | 6.93 |
| 72 PERQUIMANS | 0 | 0.00 | 2 | 4.07 | 3.20 |
| 73 PERSON | 1 | 3.30 | 9 | 6.01 | 5.16 |
| 74 PITT | 7 | 7.30 | 27 | 5.72 | 5.65 |
| 75 POLK | 1 | 6.95 | 5 | 7.16 | 4.12 |
| 76 RANDOLPH | 2 | 2.05 | 16 | 3.37 | 4.80 |
| 77 RICHMOND | 0 | 0.00 | 12 | 5.25 | 4.49 |
| 78 ROBESON | 3 | 2.82 | 20 | 3.82 | 3.21 |
| 79 ROCKINGHAM | 8 | 9.37 | 18 | 4.23 | 3.94 |
| 80 ROWAN | 8 | 7.73 | 25 | 4.92 | 4.05 |
| 81 RUTHERFORD | 0 | 0.00 | 11 | 3.95 | 4.05 |
| 82 SAMPSON | 1 | 1.98 | 11 | 4.39 | 3.92 |
| 83 SCOTLAND | 1 | 2.97 | 8 | 4.80 | 6.18 |
| 84 STANLY | 1 | 1.99 | 9 | 3.66 | 2.76 |
| 85 STOKES | 2 | 5.65 | 5 | 2.88 | 2.55 |
| 86 SURRY | 1 | 1.64 | 9 | 2.98 | 3.23 |
| 87 SWAIN | 1 | 9.34 | 4 | 7.55 | 7.19* |
| 88 TRANSYLVANIA | 2 | 7.81 | 5 | 4.05 | 2.74 |
| 89 TYRRELL | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 90 UNION | 3 | 3.84 | 9 | 2.40 | 2.67 |
| 91 VANCE | 1 | 2.60 | 10 | 5.33 | 2.73 |
| 92 WAKE | 11 | 3.10 | 56 | 3.41 | 4.25 |
| 93 WARREN | 1 | 6.09 | 9 | 11.01 | 6.49 |
| 94 WASHINGTON | 1 | 6.88 | 6 | 8.26 | 6.34 |
| 95 WATAUGA | 0 | 0.00 | 6 | 3.57 | 2.79 |
| 96 WAYNE | 7 | 7.09 | 25 | 5.10 | 4.82 |
| 97 WILKES | 1 | 1.64 | 9 | 2.99 | 3.37 |
| 98 WILSON | 8 | 12.43 | 26 | 8.12 | 7.44 |
| 99 YADKIN | 2 | 6.81 | 3 | 2.05 | 1.66 |
| 100 YANCEY | 2 | 12.84 | 8 | 10.46 | 6.82 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CANCER OF THE STOMACH

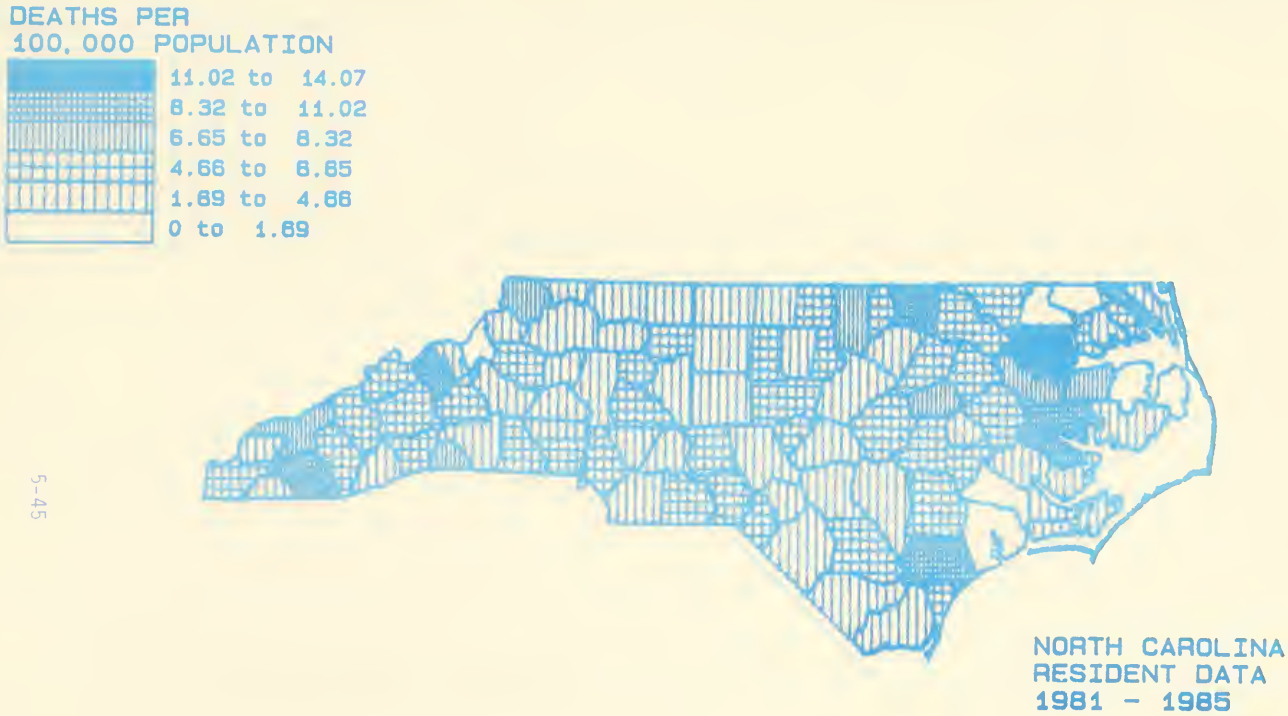



FIGURE 10.A

# CANCER OF THE STOMACH

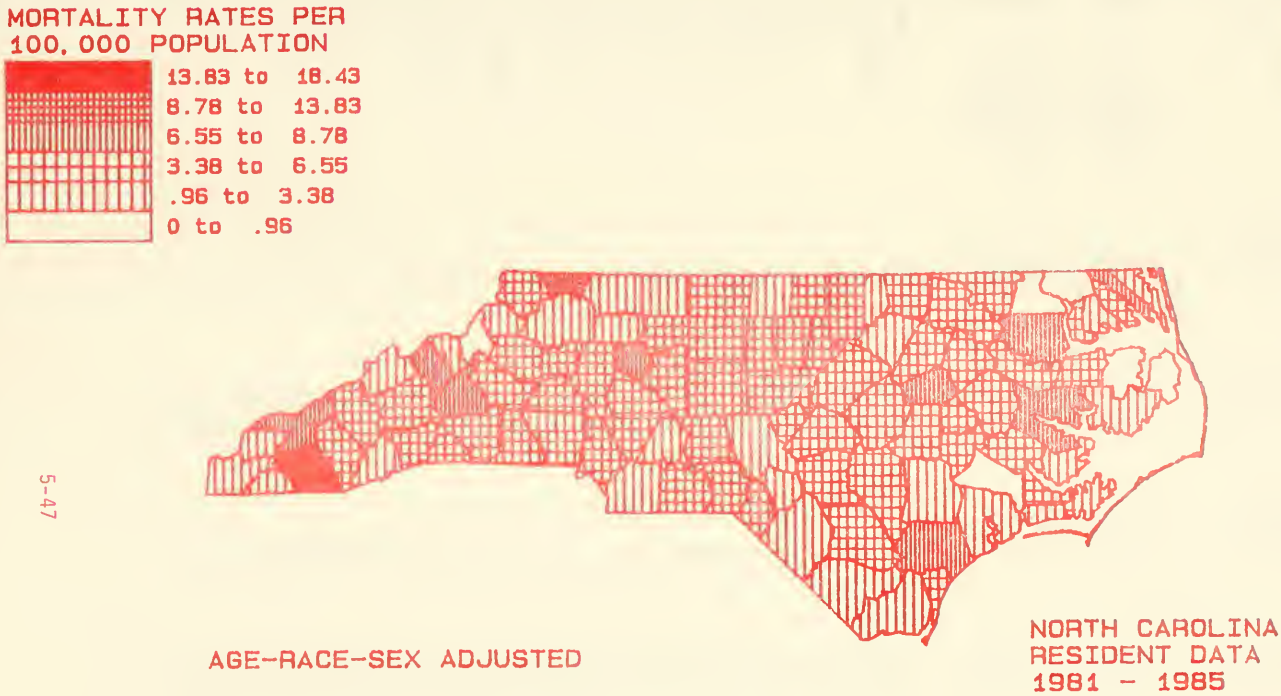



FIGURE 10.B

TABLE 11

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER OF COLON, RECTUM AND ANUS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 1215 | 19.42 | 5571 | 18.27 | 18.27 |
| REGIONS | | | | | |
| DHR I WESTERN | 423 | 19.73 | 2029 | 19.42 | 18.36 |
| DHR II N. CENTRAL | 272 | 20.63 | 1245 | 19.22 | 18.30 |
| DHR III S. CENTRAL | 233 | 15.91 | 1085 | 15.32 | 17.58 |
| DHR IV EASTERN | 287 | 21.60 | 1212 | 18.70 | 19.15 |
| HSA I WESTERN | 214 | 19.95 | 1045 | 19.89 | 17.76 |
| HSA II PIEDMONT | 240 | 20.61 | 1095 | 19.14 | 18.55 |
| HSA III S. PIEDMONT | 209 | 19.51 | 984 | 18.95 | 19.26 |
| HSA IV CAPITAL | 161 | 17.78 | 714 | 16.53 | 17.53 |
| HSA V CARDINAL | 157 | 16.57 | 746 | 16.07 | 17.76 |
| HSA VI EASTERN | 234 | 21.38 | 987 | 18.43 | 19.15 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 29 | 28.36 | 105 | 20.80 | 18.04 |
| 2 ALEXANDER | 8 | 30.05 | 22 | 16.83 | 20.74 |
| 3 ALLEGHANY | 4 | 41.27 | 10 | 20.41 | 12.64 |
| 4 ANSON | 6 | 22.87 | 19 | 14.65 | 10.84 |
| 5 ASHE | 6 | 25.61 | 20 | 17.33 | 17.83* |
| 6 AVERY | 2 | 13.33 | 8 | 10.74 | 8.55 |
| 7 BEAUFORT | 9 | 20.80 | 38 | 17.98 | 16.41 |
| 8 BERTIE | 4 | 18.74 | 28 | 26.24 | 23.05 |
| 9 BLADEN | 9 | 29.27 | 23 | 14.97 | 13.94 |
| 10 BRUNSWICK | 11 | 24.14 | 32 | 15.51 | 15.70 |
| 11 BUNCOMBE | 34 | 20.20 | 195 | 23.65 | 19.12 |
| 12 BURKE | 13 | 17.20 | 58 | 15.61 | 15.59 |
| 13 CABARRUS | 11 | 11.94 | 83 | 18.40 | 16.05 |
| 14 CALDWELL | 10 | 14.23 | 51 | 14.88 | 15.70 |
| 15 CAMDEN | 2 | 34.39 | 7 | 24.24 | 19.65 |
| 16 CARTERET | 18 | 36.93 | 51 | 22.33 | 19.80 |
| 17 CASWELL | 3 | 13.36 | 9 | 8.31 | 8.75 |
| 18 CATAWBA | 19 | 16.87 | 101 | 18.44 | 22.01 |
| 19 CHATHAM | 7 | 19.79 | 27 | 15.56 | 13.07 |
| 20 CHEROKEE | 2 | 9.89 | 15 | 15.24 | 12.31 |
| 21 CHOWAN | 8 | 60.79 | 22 | 34.34 | 25.28 |
| 22 CLAY | 2 | 28.46 | 7 | 20.01 | 11.60 |
| 23 CLEVELAND | 16 | 18.56 | 102 | 24.19 | 22.53 |
| 24 COLUMBUS | 6 | 11.52 | 28 | 10.80 | 10.48 |
| 25 CRAVEN | 16 | 20.13 | 59 | 15.67 | 18.57 |
| 26 CUMBERLAND | 24 | 9.37 | 126 | 9.96 | 19.58 |
| 27 CURRITUCK | 4 | 31.02 | 15 | 24.47 | 23.91 |
| 28 DARE | 5 | 28.99 | 23 | 29.34 | 24.46 |
| 29 DAVIDSON | 20 | 16.88 | 99 | 17.10 | 16.88 |
| 30 DAVIE | 3 | 10.83 | 29 | 21.41 | 21.37 |
| 31 DUPLIN | 9 | 21.64 | 35 | 16.93 | 14.44 |
| 32 DURHAM | 47 | 29.07 | 160 | 20.24 | 20.19 |
| 33 EDGECOMBE | 14 | 23.96 | 52 | 18.17 | 16.36 |
| 34 FORSYTH | 46 | 17.79 | 256 | 20.28 | 19.38 |
| 35 FRANKLIN | 6 | 18.30 | 24 | 15.28 | 10.40 |
| 36 GASTON | 31 | 18.04 | 144 | 17.20 | 17.38 |
| 37 GATES | 3 | 31.97 | 13 | 28.37 | 26.48 |
| 38 GRAHAM | 2 | 27.82 | 10 | 28.11 | 19.97 |
| 39 GRANVILLE | 7 | 19.09 | 41 | 22.95 | 19.91 |
| 40 GREENE | 5 | 30.29 | 14 | 17.13 | 16.93 |
| 41 GUILFORD | 75 | 22.97 | 331 | 20.54 | 20.43 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF COLON, RECTUM AND ANUS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 12 | 21.44 | 58 | 20.83 | 17.65 |
| 43 HARNETT | 9 | 14.28 | 61 | 19.76 | 20.93 |
| 44 HAYWOOD | 10 | 20.87 | 46 | 19.47 | 22.84 |
| 45 HENDERSON | 24 | 36.26 | 106 | 33.45 | 23.14 |
| 46 HERTFORD | 8 | 33.43 | 31 | 26.11 | 21.58 |
| 47 HOKE | 2 | 8.88 | 9 | 8.16 | 6.82 |
| 48 HYDE | 2 | 33.50 | 3 | 10.06 | 9.00 |
| 49 IREDELL | 21 | 24.06 | 97 | 22.69 | 20.72 |
| 50 JACKSON | 5 | 18.54 | 18 | 13.40 | 12.79 |
| 51 JOHNSTON | 10 | 13.01 | 65 | 17.60 | 17.08 |
| 52 JONES | 4 | 40.94 | 12 | 24.55 | 22.06 |
| 53 LEE | 6 | 14.79 | 34 | 17.63 | 17.65 |
| 54 LENOIR | 16 | 26.45 | 60 | 19.89 | 19.98 |
| 55 LINCOLN | 8 | 17.52 | 44 | 20.03 | 24.56 |
| 56 MCDOWELL | 13 | 35.83 | 32 | 17.71 | 15.84 |
| 57 MACON | 9 | 39.00 | 35 | 31.54 | 27.53 |
| 58 MADISON | 2 | 11.63 | 8 | 9.28 | 6.42 |
| 59 MARTIN | 2 | 7.50 | 18 | 13.60 | 12.34 |
| 60 MECKLENBURG | 85 | 19.20 | 393 | 18.46 | 21.22 |
| 61 MITCHELL | 2 | 13.73 | 14 | 19.45 | 11.30 |
| 62 MONTGOMERY | 5 | 21.04 | 27 | 23.21 | 21.11 |
| 63 MOORE | 13 | 23.72 | 79 | 29.83 | 21.70 |
| 64 NASH | 11 | 15.53 | 73 | 20.98 | 21.35 |
| 65 NEW HANOVER | 31 | 27.67 | 136 | 25.00 | 25.51 |
| 66 NORTHAMPTON | 1 | 4.47 | 24 | 21.38 | 18.00 |
| 67 ONSLOW | 16 | 13.06 | 51 | 8.67 | 19.58 |
| 68 ORANGE | 11 | 13.33 | 50 | 12.52 | 16.44 |
| 69 PAMLICO | 4 | 36.44 | 14 | 26.15 | 20.39 |
| 70 PASQUOTANK | 8 | 27.25 | 33 | 22.93 | 20.09 |
| 71 PENDER | 5 | 20.47 | 29 | 24.82 | 20.07 |
| 72 PERQUIMANS | 3 | 29.13 | 12 | 24.43 | 18.82 |
| 73 PERSON | 4 | 13.22 | 19 | 12.70 | 11.44 |
| 74 PITT | 21 | 21.90 | 80 | 16.97 | 20.25 |
| 75 POLK | 4 | 27.80 | 24 | 34.37 | 19.79 |
| 76 RANDOLPH | 25 | 25.71 | 94 | 19.81 | 20.76 |
| 77 RICHMOND | 3 | 6.50 | 41 | 17.95 | 15.39 |
| 78 ROBESON | 18 | 16.97 | 67 | 12.81 | 13.02 |
| 79 ROCKINGHAM | 16 | 18.75 | 74 | 17.41 | 15.99 |
| 80 ROWAN | 31 | 29.96 | 124 | 24.41 | 19.93 |
| 81 RUTHERFORD | 5 | 8.78 | 50 | 17.96 | 14.42 |
| 82 SAMPSON | 12 | 23.83 | 53 | 21.16 | 20.00 |
| 83 SCOTLAND | 3 | 8.92 | 16 | 9.60 | 10.55 |
| 84 STANLY | 12 | 23.91 | 56 | 22.79 | 20.18 |
| 85 STOKES | 3 | 8.48 | 18 | 10.37 | 11.25 |
| 86 SURRY | 11 | 18.08 | 55 | 18.22 | 18.19 |
| 87 SWAIN | 2 | 18.69 | 13 | 24.56 | 18.67 |
| 88 TRANSYLVANIA | 7 | 27.36 | 26 | 21.09 | 17.01 |
| 89 TYRRELL | 0 | 0.00 | 4 | 19.24 | 13.35 |
| 90 UNION | 10 | 12.80 | 43 | 11.47 | 13.66 |
| 91 VANCE | 7 | 18.26 | 39 | 20.80 | 17.31 |
| 92 WAKE | 48 | 13.56 | 228 | 13.90 | 18.45 |
| 93 WARREN | 8 | 48.78 | 27 | 33.04 | 25.13 |
| 94 WASHINGTON | 4 | 27.53 | 18 | 24.80 | 22.75 |
| 95 WATAUGA | 3 | 8.77 | 21 | 12.51 | 11.38 |
| 96 WAYNE | 18 | 18.24 | 90 | 18.36 | 20.33 |
| 97 WILKES | 8 | 13.15 | 41 | 13.66 | 12.47 |
| 98 WILSON | 7 | 10.87 | 49 | 15.32 | 15.41 |
| 99 YADKIN | 9 | 30.64 | 25 | 17.10 | 15.25 |
| 100 YANCEY | 2 | 12.84 | 12 | 15.70 | 9.98 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CANCER OF THE COLON, RECTUM, AND ANUS

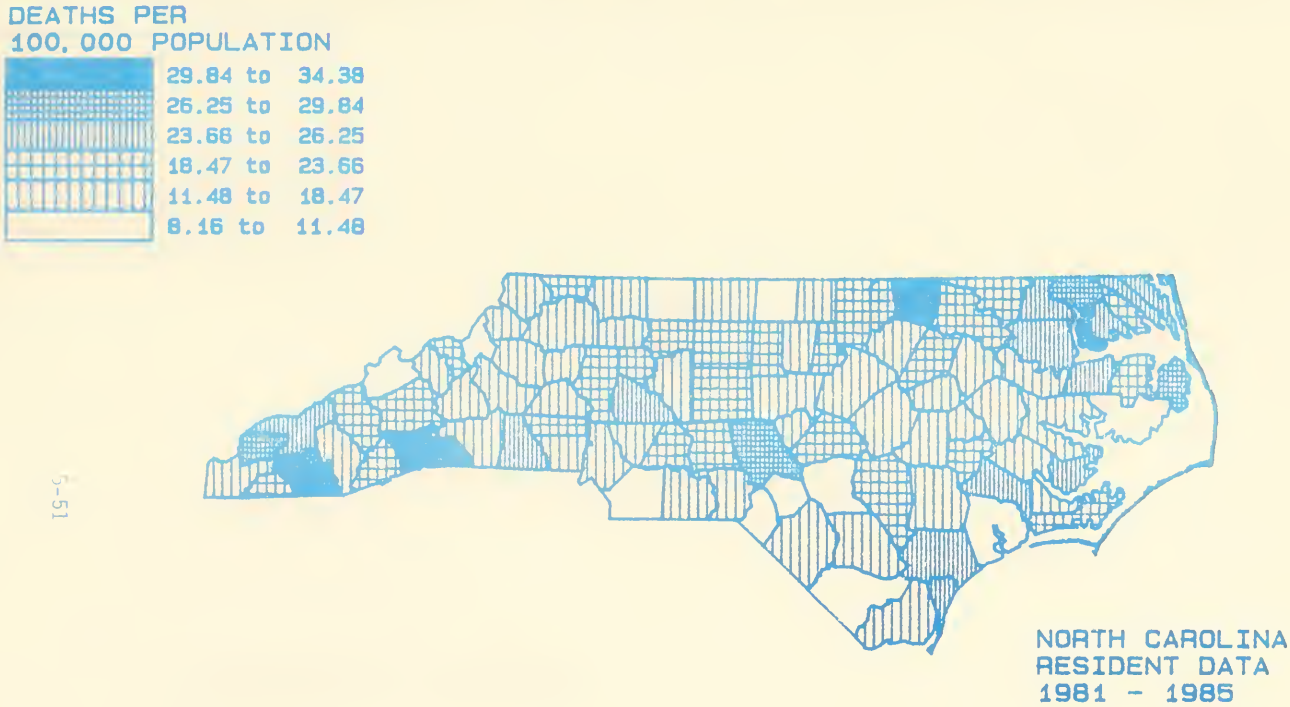
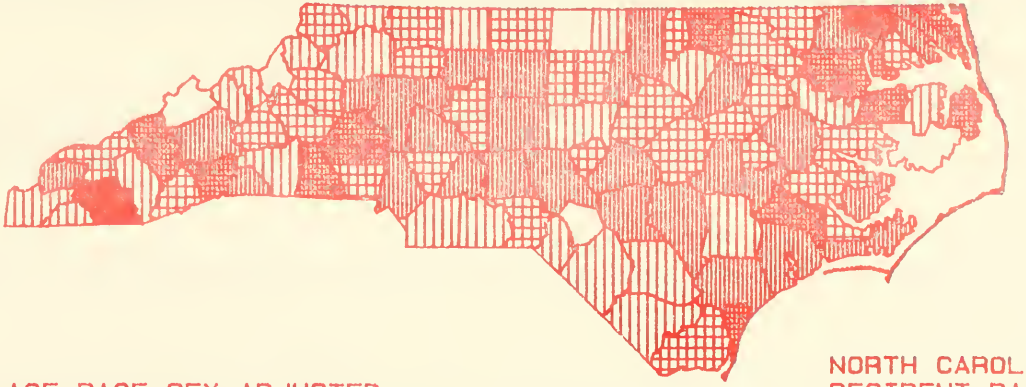



FIGURE 11.A

# CANCER OF THE COLON, RECTUM, AND ANUS

MORTALITY RATES PER
100,000 POPULATION

25.52 to 27.54
21.71 to 25.52
18.83 to 21.71
14.45 to 18.83
9.01 to 14.45
.42 to 9.01



AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 11.b

TABLE 12

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER OF PANCREAS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 593 | 9.48 | 2827 | 9.27 | 9.27 |
| REGIONS | | | | | |
| DHR I WESTERN | 207 | 9.65 | 1026 | 9.82 | 9.69 |
| DHR II N. CENTRAL | 136 | 10.31 | 628 | 9.69 | 9.26 |
| DHR III S. CENTRAL | 127 | 8.67 | 584 | 8.24 | 9.39 |
| DHR IV EASTERN | 123 | 9.25 | 589 | 9.08 | 9.17 |
| HSA I WESTERN | 110 | 10.25 | 533 | 10.14 | 9.43 |
| HSA II PIEDMONT | 124 | 10.65 | 561 | 9.80 | 9.59 |
| HSA III S. PIEDMONT | 97 | 9.05 | 493 | 9.49 | 9.90 |
| HSA IV CAPITAL | 74 | 8.17 | 351 | 8.12 | 8.66 |
| HSA V CARDINAL | 80 | 8.44 | 403 | 8.68 | 9.51 |
| HSA VI EASTERN | 108 | 9.86 | 486 | 9.07 | 9.28 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 12 | 11.73 | 53 | 10.50 | 9.12 |
| 2 ALEXANDER | 0 | 0.00 | 5 | 3.82 | 6.95 |
| 3 ALLEGHANY | 1 | 10.31 | 6 | 12.24 | 7.37 |
| 4 ANSON | 7 | 26.68 | 13 | 10.02 | 8.11 |
| 5 ASHE | 4 | 17.07 | 16 | 13.86 | 8.38 |
| 6 AVERY | 0 | 0.00 | 3 | 4.03 | 3.28 |
| 7 BEAUFORT | 4 | 9.24 | 19 | 8.99 | 7.05 |
| 8 BERTIE | 6 | 28.11 | 17 | 15.93 | 11.58 |
| 9 BLADEN | 1 | 3.25 | 15 | 9.76 | 9.16 |
| 10 BRUNSWICK | 2 | 4.39 | 10 | 4.84 | 4.64 |
| 11 BUNCOMBE | 19 | 11.29 | 84 | 10.19 | 8.74 |
| 12 BURKE | 4 | 5.29 | 27 | 7.26 | 6.25 |
| 13 CABARRUS | 12 | 13.03 | 41 | 9.09 | 8.47 |
| 14 CALDWELL | 7 | 9.96 | 34 | 9.92 | 10.21 |
| 15 CAMDEN | 1 | 17.19 | 4 | 13.85 | 11.84 |
| 16 CARTERET | 4 | 8.20 | 30 | 13.14 | 9.97 |
| 17 CASWELL | 1 | 4.45 | 10 | 9.23 | 8.46 |
| 18 CATAWBA | 12 | 10.65 | 53 | 9.67 | 9.66 |
| 19 CHATHAM | 3 | 8.48 | 11 | 6.34 | 5.99 |
| 20 CHEROKEE | 1 | 4.94 | 10 | 10.16 | 10.13 |
| 21 CHOWAN | 2 | 15.19 | 8 | 12.48 | 7.79 |
| 22 CLAY | 2 | 28.46 | 8 | 22.87 | 13.05 |
| 23 CLEVELAND | 7 | 8.12 | 43 | 10.19 | 9.95 |
| 24 COLUMBUS | 4 | 7.68 | 26 | 10.03 | 9.82 |
| 25 CRAVEN | 3 | 3.77 | 25 | 6.63 | 8.36 |
| 26 CUMBERLAND | 15 | 5.85 | 69 | 5.45 | 10.76 |
| 27 CURRITUCK | 1 | 7.75 | 5 | 8.15 | 9.12 |
| 28 DARE | 4 | 23.19 | 10 | 12.75 | 8.84 |
| 29 DAVIDSON | 10 | 8.44 | 60 | 10.36 | 11.06 |
| 30 DAVIE | 1 | 3.61 | 10 | 7.38 | 6.32 |
| 31 DUPLIN | 6 | 14.42 | 26 | 12.58 | 11.28 |
| 32 DURHAM | 20 | 12.37 | 73 | 9.23 | 9.29 |
| 33 EDGECOMBE | 2 | 3.42 | 19 | 6.64 | 6.40 |
| 34 FORSYTH | 25 | 9.67 | 126 | 9.98 | 9.87 |
| 35 FRANKLIN | 4 | 12.20 | 17 | 10.82 | 7.24 |
| 36 GASTON | 14 | 8.15 | 78 | 9.32 | 10.25 |
| 37 GATES | 0 | 0.00 | 5 | 10.91 | 5.21 |
| 38 GRAHAM | 0 | 0.00 | 3 | 8.43 | 4.90 |
| 39 GRANVILLE | 4 | 10.91 | 15 | 8.39 | 8.02 |
| 40 GREENE | 1 | 6.05 | 7 | 8.56 | 9.52 |
| 41 GUILFORD | 41 | 12.55 | 155 | 9.61 | 9.65 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF PANCREAS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 8 | 14.29 | 28 | 10.05 | 8.60 |
| 43 HARNETT | 1 | 1.58 | 21 | 6.80 | 7.13 |
| 44 HAYWOOD | 6 | 12.52 | 26 | 11.00 | 7.04 |
| 45 HENDERSON | 9 | 13.59 | 29 | 9.15 | 7.32 |
| 46 HERTFORD | 4 | 16.71 | 10 | 8.42 | 8.06 |
| 47 HOKE | 3 | 13.33 | 11 | 9.98 | 11.10 |
| 48 HYDE | 0 | 0.00 | 1 | 3.35 | 1.50 |
| 49 IREDELL | 6 | 6.87 | 43 | 10.05 | 10.22 |
| 50 JACKSON | 0 | 0.00 | 6 | 4.46 | 4.57 |
| 51 JOHNSTON | 4 | 5.20 | 36 | 9.74 | 9.43 |
| 52 JONES | 0 | 0.00 | 1 | 2.04 | 2.19 |
| 53 LEE | 2 | 4.93 | 17 | 8.81 | 9.03 |
| 54 LENOIR | 10 | 16.53 | 46 | 15.25 | 15.68 |
| 55 LINCOLN | 5 | 10.95 | 23 | 10.47 | 9.39 |
| 56 MCDOWELL | 6 | 16.53 | 18 | 9.96 | 9.84 |
| 57 MACON | 4 | 17.33 | 18 | 16.22 | 7.80 |
| 58 MADISON | 2 | 11.63 | 10 | 11.60 | 7.53 |
| 59 MARTIN | 4 | 15.00 | 15 | 11.33 | 10.80 |
| 60 MECKLENBURG | 39 | 8.81 | 198 | 9.30 | 10.55 |
| 61 MITCHELL | 3 | 20.60 | 11 | 15.28 | 20.58* |
| 62 MONTGOMERY | 0 | 0.00 | 15 | 12.89 | 11.04 |
| 63 MOORE | 8 | 14.59 | 42 | 15.86 | 11.93 |
| 64 NASH | 4 | 5.65 | 25 | 7.18 | 6.99 |
| 65 NEW HANOVER | 6 | 5.35 | 56 | 10.29 | 10.30 |
| 66 NORTHAMPTON | 7 | 31.30 | 14 | 12.47 | 12.74 |
| 67 ONSLOW | 7 | 5.71 | 21 | 3.57 | 8.45 |
| 68 ORANGE | 10 | 12.12 | 33 | 8.26 | 10.60 |
| 69 PAMLICO | 0 | 0.00 | 5 | 9.34 | 6.68 |
| 70 PASQUOTANK | 0 | 0.00 | 11 | 7.64 | 6.81 |
| 71 PENDER | 3 | 12.28 | 11 | 9.41 | 8.91 |
| 72 PERQUIMANS | 2 | 19.42 | 6 | 12.21 | 7.49 |
| 73 PERSON | 1 | 3.30 | 15 | 10.03 | 9.07 |
| 74 PITT | 12 | 12.51 | 45 | 9.54 | 10.75 |
| 75 POLK | 1 | 6.95 | 10 | 14.32 | 8.75 |
| 76 RANDOLPH | 8 | 8.22 | 42 | 8.85 | 10.75 |
| 77 RICHMOND | 6 | 13.00 | 33 | 14.45 | 12.43 |
| 78 ROBESON | 12 | 11.31 | 47 | 8.99 | 9.82 |
| 79 ROCKINGHAM | 11 | 12.89 | 46 | 10.82 | 9.86 |
| 80 ROWAN | 10 | 9.66 | 65 | 12.80 | 10.28 |
| 81 RUTHERFORD | 5 | 8.78 | 37 | 13.29 | 12.98 |
| 82 SAMPSON | 6 | 11.91 | 21 | 8.38 | 7.75 |
| 83 SCOTLAND | 6 | 17.85 | 13 | 7.80 | 7.34 |
| 84 STANLY | 4 | 7.97 | 20 | 8.14 | 5.95 |
| 85 STOKES | 2 | 5.65 | 13 | 7.49 | 8.84 |
| 86 SURRY | 9 | 14.79 | 30 | 9.94 | 8.63 |
| 87 SWAIN | 4 | 37.38 | 9 | 17.00 | 11.97 |
| 88 TRANSYLVANIA | 1 | 3.90 | 13 | 10.54 | 7.43 |
| 89 TYRRELL | 0 | 0.00 | 2 | 9.62 | 10.55 |
| 90 UNION | 7 | 8.96 | 25 | 6.67 | 7.49 |
| 91 VANCE | 3 | 7.82 | 16 | 8.53 | 5.94 |
| 92 WAKE | 23 | 6.50 | 114 | 6.95 | 9.12 |
| 93 WARREN | 0 | 0.00 | 4 | 4.89 | 4.55 |
| 94 WASHINGTON | 2 | 13.76 | 7 | 9.64 | 9.31 |
| 95 WATAUGA | 4 | 11.70 | 16 | 9.53 | 8.81 |
| 96 WAYNE | 8 | 8.11 | 45 | 9.18 | 10.41 |
| 97 WILKES | 7 | 11.51 | 29 | 9.66 | 10.03 |
| 98 WILSON | 6 | 9.32 | 29 | 9.06 | 8.81 |
| 99 YADKIN | 4 | 13.62 | 16 | 10.94 | 7.65 |
| 100 YANCEY | 1 | 6.42 | 9 | 11.77 | 7.13 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CANCER OF THE PANCREAS

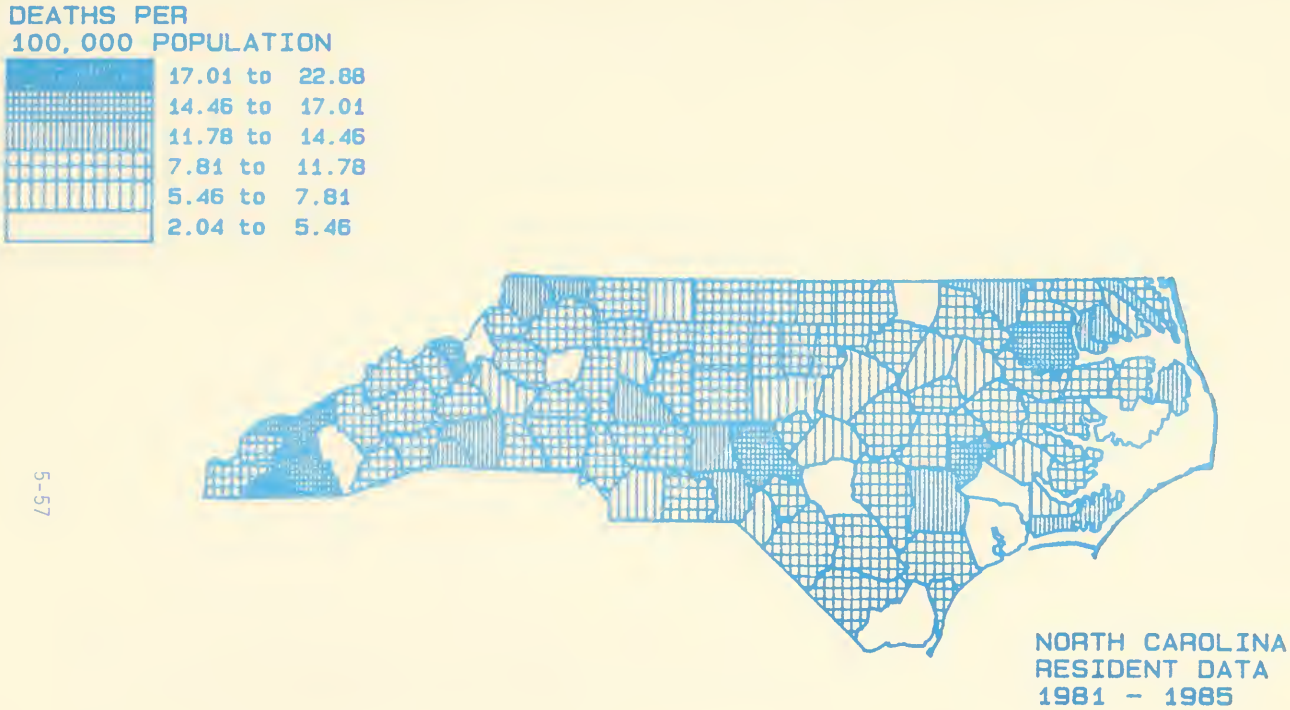



FIGURE 12.A

# CANCER OF THE PANCREAS

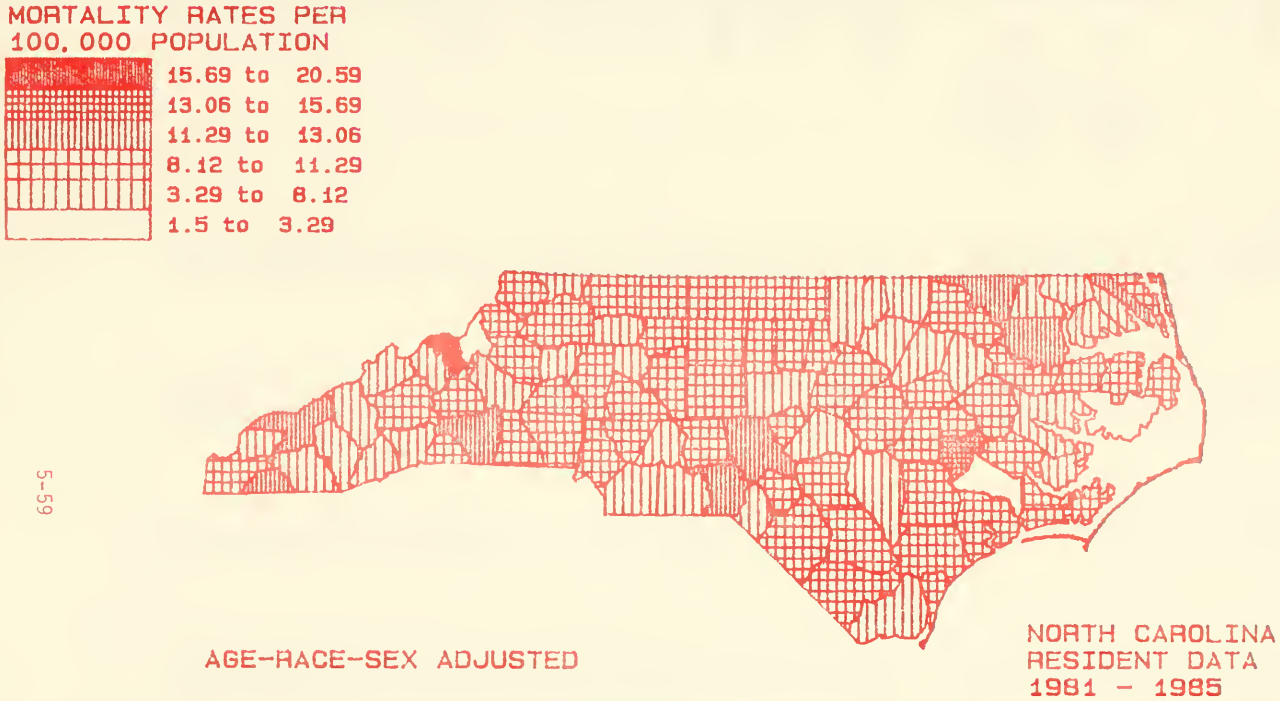



FIGURE 12.B

TABLE 13

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER OF TRACHEA, BRONCHUS AND LUNG

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 3105 | 49.64 | 14088 | 46.22 | 46.22 |
| REGIONS | | | | | |
| DHR I WESTERN | 1093 | 50.99 | 4803 | 45.99 | 43.26 |
| DHR II N. CENTRAL | 627 | 47.55 | 3040 | 46.94 | 44.63 |
| DHR III S. CENTRAL | 674 | 46.04 | 2977 | 42.05 | 49.35 |
| DHR IV EASTERN | 711 | 53.52 | 3268 | 50.42 | 52.43 |
| HSA I WESTERN | 576 | 53.71 | 2453 | 46.70 | 41.42 |
| HSA II PIEDMONT | 554 | 47.59 | 2639 | 46.12 | 44.28 |
| HSA III S. PIEDMONT | 517 | 48.27 | 2350 | 45.26 | 45.65 |
| HSA IV CAPITAL | 416 | 45.96 | 1930 | 44.69 | 49.62 |
| HSA V CARDINAL | 466 | 49.19 | 2055 | 44.27 | 49.48 |
| HSA VI EASTERN | 576 | 52.63 | 2661 | 49.69 | 52.68 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 57 | 55.74 | 253 | 50.14 | 42.29 |
| 2 ALEXANDER | 11 | 41.32 | 45 | 34.44 | 41.23 |
| 3 ALLEGHANY | 9 | 92.86 | 33 | 67.37 | 73.41* |
| 4 ANSON | 13 | 49.55 | 62 | 47.80 | 45.29 |
| 5 ASHE | 11 | 46.96 | 58 | 50.26 | 46.18 |
| 6 AVERY | 8 | 53.34 | 37 | 49.71 | 37.40 |
| 7 BEAUFORT | 16 | 36.98 | 109 | 51.57 | 48.26 |
| 8 BERTIE | 10 | 46.85 | 64 | 59.99 | 61.19 |
| 9 BLADEN | 15 | 48.79 | 91 | 59.24 | 55.52 |
| 10 BRUNSWICK | 33 | 72.43 | 114 | 55.25 | 49.45 |
| 11 BUNCOMBE | 128 | 76.06 | 460 | 55.80 | 46.08 |
| 12 BURKE | 41 | 54.27 | 148 | 39.84 | 38.91 |
| 13 CABARRUS | 44 | 47.79 | 214 | 47.46 | 43.39 |
| 14 CALDWELL | 34 | 48.40 | 151 | 44.07 | 43.92 |
| 15 CAMDEN | 4 | 68.79 | 12 | 41.55 | 38.10 |
| 16 CARTERET | 32 | 65.66 | 159 | 69.64 | 59.40 |
| 17 CASWELL | 4 | 17.82 | 45 | 41.55 | 39.96 |
| 18 CATAWBA | 65 | 57.72 | 238 | 43.45 | 44.68 |
| 19 CHATHAM | 14 | 39.58 | 76 | 43.82 | 40.39 |
| 20 CHEROKEE | 8 | 39.59 | 47 | 47.75 | 48.31 |
| 21 CHOWAN | 7 | 53.19 | 42 | 65.55 | 49.04 |
| 22 CLAY | 2 | 28.46 | 23 | 65.75 | 35.82 |
| 23 CLEVELAND | 38 | 44.10 | 168 | 39.84 | 38.09 |
| 24 COLUMBUS | 26 | 49.92 | 124 | 47.83 | 45.53 |
| 25 CRAVEN | 31 | 39.00 | 153 | 40.63 | 51.67 |
| 26 CUMBERLAND | 103 | 40.22 | 403 | 31.88 | 59.29 |
| 27 CURRITUCK | 11 | 85.31 | 40 | 65.26 | 58.00 |
| 28 DARE | 7 | 40.59 | 40 | 51.03 | 37.33 |
| 29 DAVIDSON | 66 | 55.70 | 250 | 43.19 | 42.16 |
| 30 DAVIE | 8 | 28.90 | 53 | 39.14 | 38.27 |
| 31 DUPLIN | 33 | 79.34 | 113 | 54.68 | 47.98 |
| 32 DURHAM | 98 | 60.63 | 407 | 51.50 | 55.62 |
| 33 EDGECOMBE | 26 | 44.51 | 145 | 50.69 | 54.61 |
| 34 FORSYTH | 128 | 49.51 | 560 | 44.38 | 44.21 |
| 35 FRANKLIN | 17 | 51.86 | 95 | 60.48 | 54.09 |
| 36 GASTON | 70 | 40.75 | 404 | 48.27 | 48.41 |
| 37 GATES | 11 | 117.25 | 33 | 72.02 | 61.93 |
| 38 GRAHAM | 5 | 69.55 | 25 | 70.28 | 52.26 |
| 39 GRANVILLE | 18 | 49.09 | 93 | 52.07 | 48.39 |
| 40 GREENE | 11 | 66.64 | 45 | 55.09 | 62.05 |
| 41 GUILFORD | 159 | 48.69 | 809 | 50.20 | 50.47 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF TRACHEA, BRONCHUS AND LUNG CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 33 | 58.96 | 156 | 56.02 | 50.83 |
| 43 HARNETT | 27 | 42.85 | 136 | 44.06 | 46.21 |
| 44 HAYWOOD | 32 | 66.79 | 123 | 52.07 | 43.52 |
| 45 HENDERSON | 34 | 51.37 | 164 | 51.75 | 44.61 |
| 46 HERTFORD | 12 | 50.15 | 59 | 49.69 | 46.56 |
| 47 HOKE | 9 | 39.99 | 32 | 29.04 | 40.44 |
| 48 HYDE | 4 | 67.01 | 19 | 63.77 | 54.16 |
| 49 IREDELL | 42 | 48.13 | 185 | 43.27 | 39.11 |
| 50 JACKSON | 16 | 59.33 | 53 | 39.46 | 37.50 |
| 51 JOHNSTON | 34 | 44.26 | 187 | 50.64 | 47.50 |
| 52 JONES | 8 | 81.88 | 17 | 34.78 | 31.37 |
| 53 LEE | 18 | 44.39 | 94 | 48.75 | 49.89 |
| 54 LENOIR | 37 | 61.17 | 185 | 61.35 | 59.53 |
| 55 LINCOLN | 14 | 30.67 | 76 | 34.60 | 30.94 |
| 56 MCDOWELL | 21 | 57.88 | 77 | 42.63 | 36.04 |
| 57 MACON | 8 | 34.67 | 63 | 56.77 | 53.74 |
| 58 MADISON | 10 | 58.16 | 38 | 44.10 | 28.31 |
| 59 MARTIN | 18 | 67.53 | 70 | 52.89 | 47.63 |
| 60 MECKLENBURG | 233 | 52.65 | 942 | 44.25 | 50.85 |
| 61 MITCHELL | 9 | 61.81 | 38 | 52.80 | 32.33 |
| 62 MONTGOMERY | 11 | 46.29 | 50 | 42.98 | 38.40 |
| 63 MOORE | 34 | 62.04 | 153 | 57.78 | 43.71 |
| 64 NASH | 42 | 59.32 | 159 | 45.69 | 44.51 |
| 65 NEW HANOVER | 65 | 58.02 | 308 | 56.63 | 58.04 |
| 66 NORTHAMPTON | 12 | 53.66 | 66 | 58.81 | 55.65 |
| 67 ONSLOW | 33 | 26.93 | 142 | 24.14 | 49.56 |
| 68 ORANGE | 26 | 31.53 | 132 | 33.07 | 44.83 |
| 69 PAMLICO | 9 | 81.99 | 45 | 84.06 | 70.17 |
| 70 PASQUOTANK | 19 | 64.72 | 79 | 54.89 | 53.67 |
| 71 PENDER | 11 | 45.03 | 61 | 52.22 | 44.16 |
| 72 PERQUIMANS | 8 | 77.68 | 37 | 75.32 | 55.17 |
| 73 PERSON | 13 | 42.97 | 61 | 40.79 | 36.83 |
| 74 PITT | 36 | 37.55 | 205 | 43.49 | 53.22 |
| 75 POLK | 11 | 76.45 | 55 | 78.76 | 56.02 |
| 76 RANDOLPH | 33 | 33.93 | 187 | 39.42 | 35.98 |
| 77 RICHMOND | 32 | 69.33 | 116 | 50.81 | 46.41 |
| 78 ROBESON | 53 | 49.98 | 218 | 41.70 | 52.66 |
| 79 ROCKINGHAM | 38 | 44.53 | 191 | 44.94 | 40.82 |
| 80 ROWAN | 55 | 53.16 | 266 | 52.38 | 41.49 |
| 81 RUTHERFORD | 19 | 33.36 | 114 | 40.95 | 36.24 |
| 82 SAMPSON | 23 | 45.68 | 124 | 49.52 | 44.23 |
| 83 SCOTLAND | 11 | 32.73 | 63 | 37.83 | 46.38 |
| 84 STANLY | 24 | 47.82 | 111 | 45.18 | 40.86 |
| 85 STOKES | 18 | 50.92 | 81 | 46.67 | 47.31 |
| 86 SURRY | 30 | 49.32 | 150 | 49.71 | 44.71 |
| 87 SWAIN | 5 | 46.73 | 27 | 51.01 | 43.04 |
| 88 TRANSYLVANIA | 11 | 43.00 | 66 | 53.54 | 46.16 |
| 89 TYRRELL | 4 | 96.92 | 18 | 86.60 | 77.03 |
| 90 UNION | 35 | 44.80 | 152 | 40.57 | 46.70 |
| 91 VANCE | 20 | 52.19 | 101 | 53.86 | 50.43 |
| 92 WAKE | 153 | 43.24 | 633 | 38.61 | 51.25 |
| 93 WARREN | 5 | 30.48 | 51 | 62.41 | 55.90 |
| 94 WASHINGTON | 6 | 41.29 | 37 | 50.98 | 48.80 |
| 95 WATAUGA | 8 | 23.41 | 47 | 28.00 | 44.06 |
| 96 WAYNE | 54 | 54.74 | 205 | 41.82 | 48.80 |
| 97 WILKES | 25 | 41.11 | 112 | 37.32 | 33.46 |
| 98 WILSON | 42 | 65.26 | 207 | 64.72 | 66.67 |
| 99 YADKIN | 13 | 44.27 | 60 | 41.05 | 36.49 |
| 100 YANCEY | 7 | 44.94 | 43 | 56.27 | 36.22 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CANCER OF TRACHEA, BRONCHUS, AND LUNG

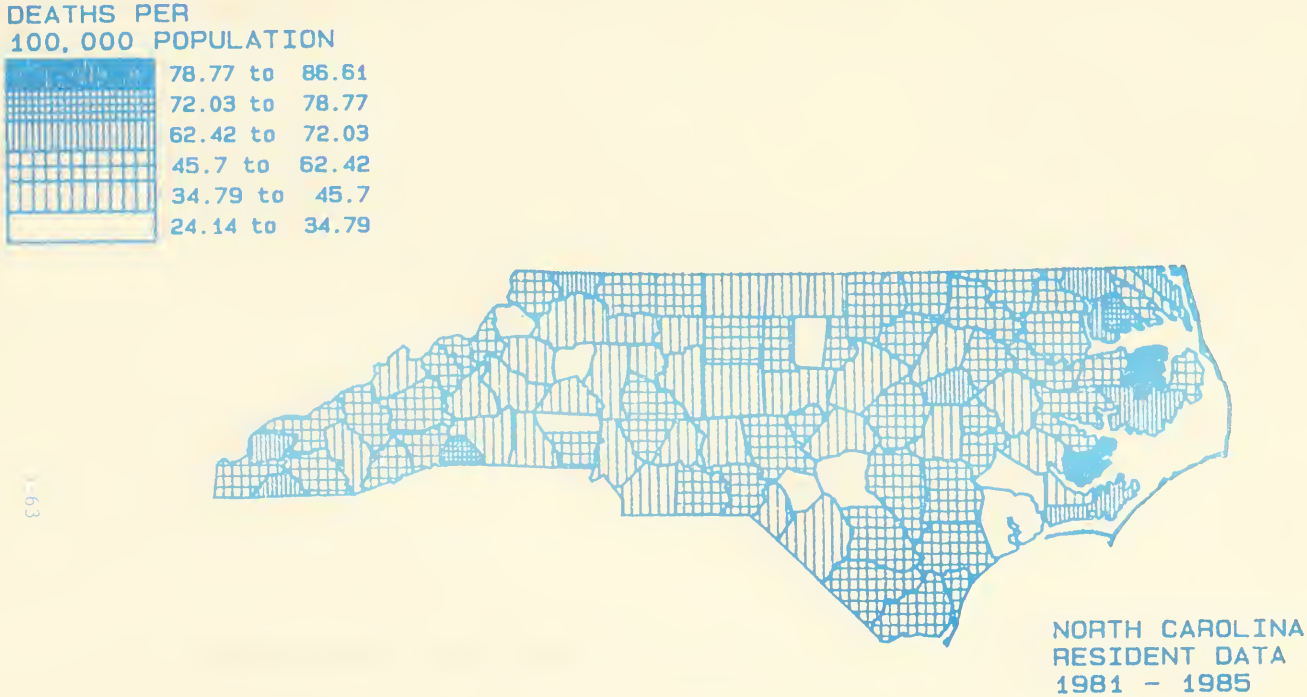



FIGURE 13.A

# CANCER OF TRACHEA, BRONCHUS, AND LUNG

MORTALITY RATES PER
100,000 POPULATION

73.42 to 77.04
62.06 to 73.42
51.68 to 62.06
42.3 to 51.68
33.47 to 42.3
28.31 to 33.47

AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 13.B

TABLE 14

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER OF FEMALE BREAST

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 1042 | 32.44 | 4449 | 28.37 | 28.37 |
| REGIONS | | | | | |
| DHR I WESTERN | 370 | 33.39 | 1572 | 29.10 | 27.67 |
| DHR II N. CENTRAL | 229 | 33.41 | 1017 | 30.16 | 28.92 |
| DHR III S. CENTRAL | 231 | 30.98 | 959 | 26.54 | 29.99 |
| DHR IV EASTERN | 212 | 31.48 | 901 | 27.35 | 27.48 |
| HSA I WESTERN | 181 | 32.71 | 808 | 29.81 | 26.75 |
| HSA II PIEDMONT | 200 | 32.99 | 895 | 30.01 | 29.11 |
| HSA III S. PIEDMONT | 189 | 34.08 | 764 | 28.39 | 28.37 |
| HSA IV CAPITAL | 146 | 31.30 | 635 | 28.45 | 30.53 |
| HSA V CARDINAL | 152 | 31.70 | 599 | 25.46 | 27.92 |
| HSA VI EASTERN | 174 | 31.50 | 748 | 27.60 | 27.74 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 23 | 42.78 | 87 | 32.81 | 28.53 |
| 2 ALEXANDER | 4 | 29.88 | 18 | 27.38 | 32.32 |
| 3 ALLEGHANY | 2 | 39.94 | 5 | 19.77 | 12.97 |
| 4 ANSON | 10 | 71.89 | 27 | 39.20 | 36.11 |
| 5 ASHE | 5 | 41.55 | 21 | 35.48 | 51.33 |
| 6 AVERY | 2 | 26.51 | 10 | 26.79 | 21.77 |
| 7 BEAUFORT | 8 | 35.35 | 34 | 30.69 | 27.47 |
| 8 BERTIE | 7 | 62.38 | 25 | 44.43 | 42.09 |
| 9 BLADEN | 3 | 18.95 | 17 | 21.44 | 19.29 |
| 10 BRUNSWICK | 7 | 30.25 | 34 | 32.42 | 31.16 |
| 11 BUNCOMBE | 37 | 41.82 | 155 | 35.76 | 30.22 |
| 12 BURKE | 7 | 18.11 | 38 | 19.98 | 16.66 |
| 13 CABARRUS | 19 | 39.76 | 81 | 34.59 | 31.40 |
| 14 CALDWELL | 13 | 36.26 | 40 | 22.87 | 24.76 |
| 15 CAMDEN | 0 | 0.00 | 6 | 40.62 | 36.59 |
| 16 CARTERET | 6 | 24.57 | 33 | 28.80 | 26.00 |
| 17 CASWELL | 2 | 17.70 | 16 | 29.27 | 30.88 |
| 18 CATAWBA | 20 | 34.45 | 81 | 28.66 | 29.55 |
| 19 CHATHAM | 6 | 33.42 | 25 | 28.35 | 26.89 |
| 20 CHEROKEE | 2 | 19.04 | 16 | 31.33 | 21.28 |
| 21 CHOWAN | 4 | 57.00 | 17 | 49.81 | 45.35 |
| 22 CLAY | 4 | 113.15 | 10 | 56.86 | 39.53 |
| 23 CLEVELAND | 13 | 29.06 | 58 | 26.49 | 25.08 |
| 24 COLUMBUS | 5 | 18.49 | 24 | 17.80 | 18.62 |
| 25 CRAVEN | 10 | 25.90 | 47 | 25.65 | 31.36 |
| 26 CUMBERLAND | 28 | 22.96 | 111 | 18.42 | 27.43 |
| 27 CURRITUCK | 0 | 0.00 | 7 | 23.46 | 21.58 |
| 28 DARE | 1 | 11.55 | 7 | 17.81 | 13.08 |
| 29 DAVIDSON | 23 | 37.85 | 86 | 28.98 | 30.22 |
| 30 DAVIE | 8 | 57.15 | 19 | 27.71 | 30.30 |
| 31 DUPLIN | 8 | 37.01 | 36 | 33.46 | 30.46 |
| 32 DURHAM | 24 | 27.95 | 132 | 31.36 | 31.69 |
| 33 EDGECOMBE | 9 | 28.89 | 36 | 23.58 | 25.10 |
| 34 FORSYTH | 50 | 36.71 | 202 | 30.35 | 29.21 |
| 35 FRANKLIN | 6 | 35.39 | 25 | 30.70 | 26.38 |
| 36 GASTON | 29 | 32.37 | 110 | 25.21 | 24.72 |
| 37 GATES | 1 | 21.47 | 6 | 26.24 | 14.51 |
| 38 GRAHAM | 0 | 0.00 | 2 | 11.18 | 9.00 |
| 39 GRANVILLE | 3 | 16.40 | 29 | 32.38 | 25.61 |
| 40 GREENE | 1 | 11.90 | 6 | 14.38 | 13.77 |
| 41 GUILFORD | 52 | 30.32 | 278 | 32.76 | 32.62 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF FEMALE BREAST CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 11 | 38.00 | 45 | 31.12 | 25.79 |
| 43 HARNETT | 8 | 24.84 | 30 | 19.00 | 19.57 |
| 44 HAYWOOD | 11 | 44.45 | 46 | 37.72 | 40.29 |
| 45 HENDERSON | 14 | 40.62 | 66 | 40.01 | 29.50 |
| 46 HERTFORD | 3 | 24.25 | 17 | 27.55 | 24.28 |
| 47 HOKE | 3 | 26.24 | 12 | 21.40 | 27.45 |
| 48 HYDE | 1 | 32.87 | 6 | 39.38 | 31.79 |
| 49 IREDELL | 19 | 42.19 | 65 | 29.43 | 28.36 |
| 50 JACKSON | 4 | 28.94 | 17 | 24.74 | 26.82 |
| 51 JOHNSTON | 7 | 17.61 | 45 | 23.51 | 21.91 |
| 52 JONES | 2 | 38.45 | 7 | 26.94 | 22.56 |
| 53 LEE | 6 | 28.38 | 29 | 28.83 | 28.96 |
| 54 LENOIR | 12 | 37.67 | 53 | 33.30 | 32.12 |
| 55 LINCOLN | 7 | 30.08 | 25 | 22.32 | 26.53 |
| 56 MCDOWELL | 0 | 0.00 | 17 | 18.29 | 18.43 |
| 57 MACON | 4 | 33.57 | 23 | 40.23 | 22.87 |
| 58 MADISON | 3 | 34.39 | 11 | 25.11 | 17.62 |
| 59 MARTIN | 0 | 0.00 | 22 | 31.61 | 28.12 |
| 60 MECKLENBURG | 80 | 34.84 | 309 | 27.90 | 30.40 |
| 61 MITCHELL | 1 | 13.40 | 9 | 24.41 | 17.09 |
| 62 MONTGOMERY | 10 | 82.96 | 25 | 42.23 | 37.55 |
| 63 MOORE | 15 | 53.03 | 62 | 45.31 | 37.22 |
| 64 NASH | 13 | 35.09 | 44 | 24.12 | 21.38 |
| 65 NEW HANOVER | 21 | 35.86 | 75 | 26.36 | 26.54 |
| 66 NORTHAMPTON | 6 | 53.30 | 18 | 31.64 | 35.64 |
| 67 ONSLOW | 7 | 14.00 | 33 | 13.73 | 23.08 |
| 68 ORANGE | 15 | 34.92 | 49 | 23.52 | 32.22 |
| 69 PAMLICO | 0 | 0.00 | 3 | 10.79 | 9.71 |
| 70 PASQUOTANK | 5 | 32.92 | 24 | 32.14 | 31.09 |
| 71 PENDER | 5 | 40.26 | 20 | 33.60 | 31.56 |
| 72 PERQUIMANS | 2 | 37.23 | 8 | 31.18 | 26.60 |
| 73 PERSON | 5 | 31.96 | 16 | 20.67 | 18.85 |
| 74 PITT | 17 | 33.64 | 75 | 30.12 | 35.92 |
| 75 POLK | 2 | 26.51 | 11 | 30.01 | 20.79 |
| 76 RANDOLPH | 18 | 36.05 | 65 | 26.72 | 30.39 |
| 77 RICHMOND | 7 | 29.19 | 34 | 28.60 | 26.52 |
| 78 ROBESON | 12 | 21.74 | 56 | 20.50 | 27.57 |
| 79 ROCKINGHAM | 13 | 29.34 | 64 | 28.97 | 26.75 |
| 80 ROWAN | 17 | 31.86 | 84 | 32.06 | 27.23 |
| 81 RUTHERFORD | 8 | 26.93 | 48 | 33.04 | 26.61 |
| 82 SAMPSON | 10 | 38.40 | 41 | 31.59 | 28.32 |
| 83 SCOTLAND | 8 | 45.77 | 31 | 35.69 | 39.30 |
| 84 STANLY | 11 | 42.33 | 43 | 33.80 | 30.81 |
| 85 STOKES | 4 | 22.19 | 23 | 25.98 | 23.72 |
| 86 SURRY | 4 | 12.70 | 36 | 23.04 | 22.54 |
| 87 SWAIN | 2 | 35.97 | 12 | 43.65 | 37.73 |
| 88 TRANSYLVANIA | 8 | 61.53 | 24 | 38.33 | 27.67 |
| 89 TYRRELL | 2 | 91.86 | 5 | 45.57 | 44.15 |
| 90 UNION | 7 | 17.54 | 47 | 24.57 | 28.02 |
| 91 VANCE | 11 | 55.21 | 39 | 39.84 | 35.16 |
| 92 WAKE | 59 | 32.87 | 233 | 27.93 | 34.05 |
| 93 WARREN | 4 | 47.09 | 13 | 30.59 | 28.12 |
| 94 WASHINGTON | 4 | 53.51 | 9 | 24.09 | 24.89 |
| 95 WATAUGA | 4 | 22.97 | 20 | 23.36 | 21.73 |
| 96 WAYNE | 19 | 37.52 | 69 | 27.38 | 27.27 |
| 97 WILKES | 6 | 19.36 | 34 | 22.24 | 18.57 |
| 98 WILSON | 15 | 44.16 | 50 | 29.57 | 28.43 |
| 99 YADKIN | 3 | 20.12 | 19 | 25.57 | 18.58 |
| 100 YANCEY | 5 | 62.68 | 16 | 40.92 | 68.65 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CANCER OF THE FEMALE BREAST

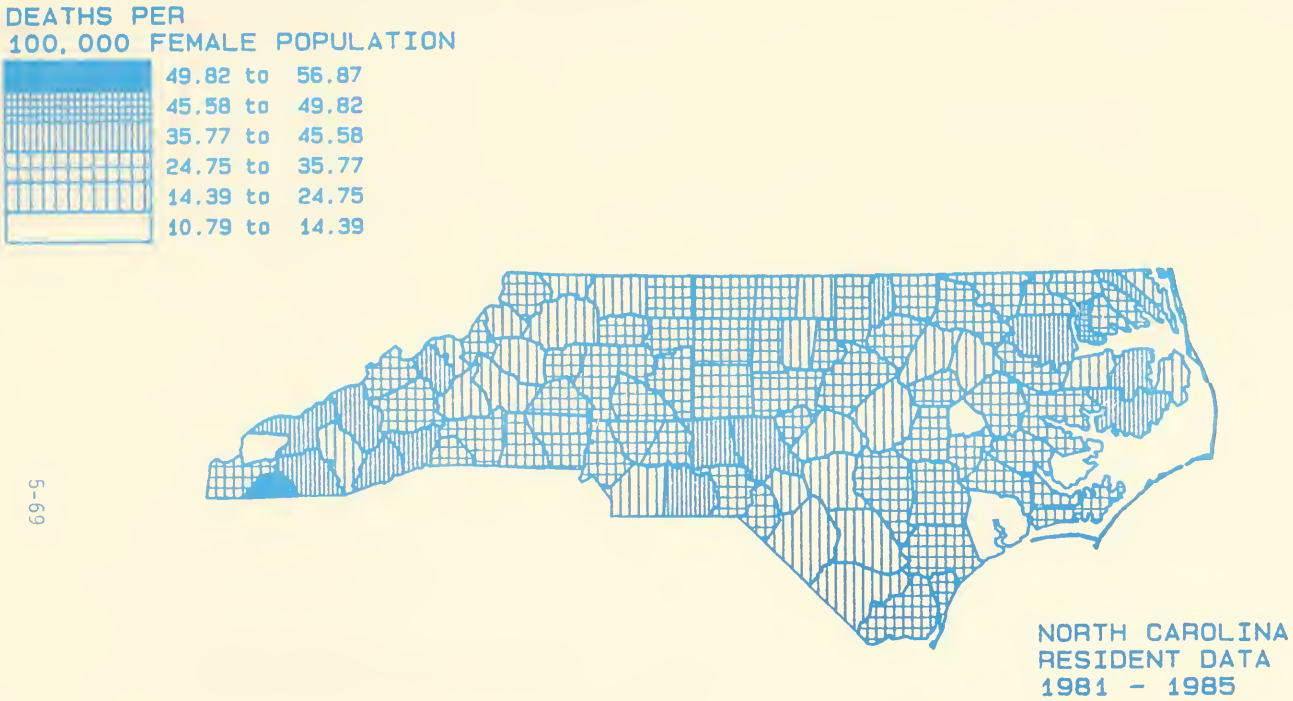



FIGURE 14.A

# CANCER OF FEMALE BREAST

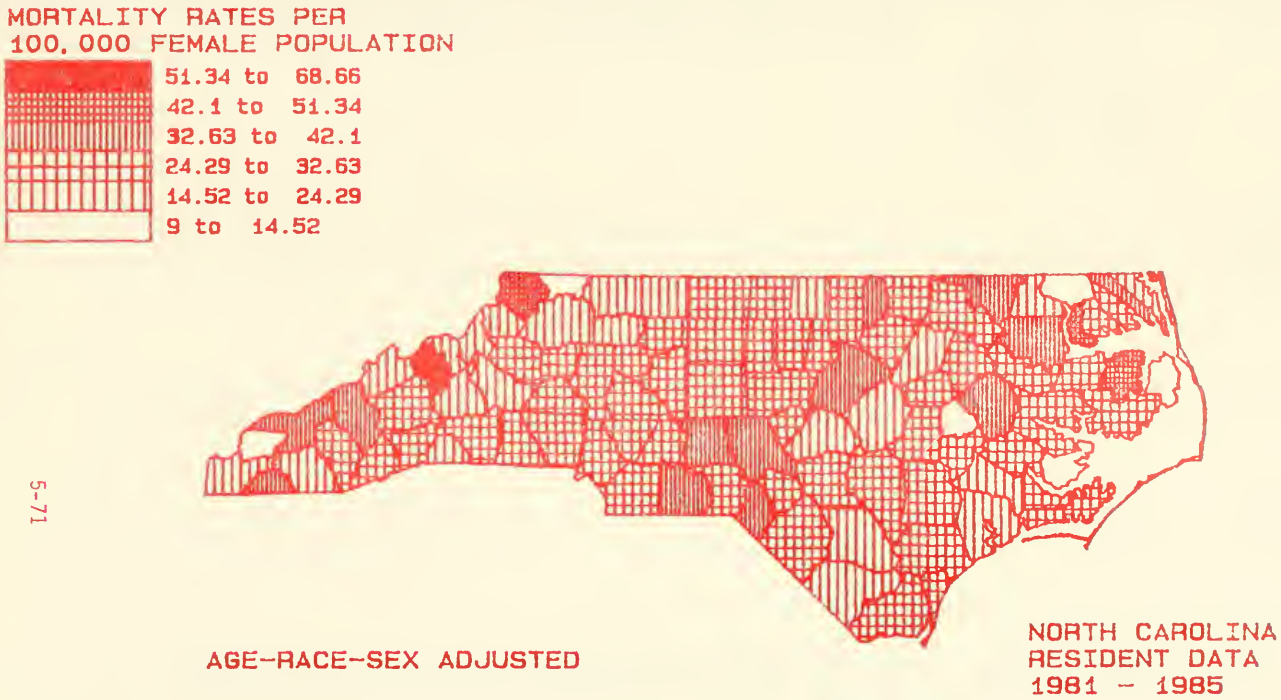



FIGURE 14.8

TABLE 15

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER OF CERVIX UTERI

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 161 | 5.01 | 779 | 4.96 | 4.96 |
| REGIONS | | | | | |
| DHR I WESTERN | 44 | 3.97 | 235 | 4.35 | 4.79 |
| DHR II N. CENTRAL | 39 | 5.69 | 179 | 5.31 | 5.19 |
| DHR III S. CENTRAL | 38 | 5.09 | 168 | 4.65 | 4.69 |
| DHR IV EASTERN | 40 | 5.93 | 197 | 5.98 | 5.26 |
| HSA I WESTERN | 23 | 4.15 | 129 | 4.76 | 5.55 |
| HSA II PIEDMONT | 37 | 6.10 | 153 | 5.13 | 5.20 |
| HSA III S. PIEDMONT | 21 | 3.78 | 106 | 3.93 | 4.23 |
| HSA IV CAPITAL | 19 | 4.07 | 92 | 4.12 | 4.01 |
| HSA V CARDINAL | 28 | 5.83 | 125 | 5.31 | 5.22 |
| HSA VI EASTERN | 33 | 5.97 | 174 | 6.42 | 5.55 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 3 | 5.58 | 16 | 6.03 | 5.59 |
| 2 ALEXANDER | 0 | 0.00 | 1 | 1.52 | 1.11 |
| 3 ALLEGHANY | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 4 ANSON | 1 | 7.18 | 6 | 8.71 | 5.33 |
| 5 ASHE | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 6 AVERY | 0 | 0.00 | 1 | 2.67 | 2.75 |
| 7 BEAUFORT | 1 | 4.41 | 9 | 8.12 | 7.00 |
| 8 BERTIE | 1 | 8.91 | 6 | 10.66 | 8.17 |
| 9 BLADEN | 0 | 0.00 | 4 | 5.04 | 4.66 |
| 10 BRUNSWICK | 0 | 0.00 | 4 | 3.81 | 3.84 |
| 11 BUNCOMBE | 3 | 3.39 | 28 | 6.46 | 6.33 |
| 12 BURKE | 2 | 5.17 | 9 | 4.73 | 7.32 |
| 13 CABARRUS | 1 | 2.09 | 7 | 2.98 | 3.03 |
| 14 CALDWELL | 2 | 5.57 | 9 | 5.14 | 9.29 |
| 15 CAMDEN | 0 | 0.00 | 2 | 13.54 | 13.61 |
| 16 CARTERET | 1 | 4.09 | 8 | 6.98 | 7.00 |
| 17 CASWELL | 2 | 17.70 | 4 | 7.31 | 6.66 |
| 18 CATAWBA | 4 | 6.89 | 15 | 5.30 | 6.89 |
| 19 CHATHAM | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 20 CHEROKEE | 0 | 0.00 | 1 | 1.95 | 1.54 |
| 21 CHOWAN | 0 | 0.00 | 1 | 2.93 | 1.41 |
| 22 CLAY | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 23 CLEVELAND | 0 | 0.00 | 8 | 3.65 | 3.68 |
| 24 COLUMBUS | 1 | 3.69 | 5 | 3.70 | 3.37 |
| 25 CRAVEN | 1 | 2.59 | 7 | 3.82 | 3.97 |
| 26 CUMBERLAND | 4 | 3.28 | 24 | 3.98 | 5.70 |
| 27 CURRITUCK | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 28 DARE | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 29 DAVIDSON | 3 | 4.93 | 15 | 5.05 | 6.17 |
| 30 DAVIE | 0 | 0.00 | 3 | 4.37 | 6.32 |
| 31 DUPLIN | 1 | 4.62 | 6 | 5.57 | 4.67 |
| 32 DURHAM | 6 | 6.98 | 19 | 4.51 | 3.96 |
| 33 EDGECOMBE | 4 | 12.84 | 16 | 10.48 | 8.34 |
| 34 FORSYTH | 11 | 8.07 | 31 | 4.65 | 4.43 |
| 35 FRANKLIN | 0 | 0.00 | 2 | 2.45 | 2.06 |
| 36 GASTON | 5 | 5.58 | 24 | 5.50 | 5.24 |
| 37 GATES | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 38 GRAHAM | 0 | 0.00 | 1 | 5.59 | 4.70 |
| 39 GRANVILLE | 1 | 5.46 | 10 | 11.16 | 7.08 |
| 40 GREENE | 0 | 0.00 | 4 | 9.58 | 6.87 |
| 41 GUILFORD | 10 | 5.83 | 46 | 5.42 | 5.44 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF CERVIX UTERI CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 2 | 6.90 | 12 | 8.29 | 6.31 |
| 43 HARNETT | 0 | 0.00 | 7 | 4.43 | 4.69 |
| 44 HAYWOOD | 1 | 4.04 | 5 | 4.10 | 2.94 |
| 45 HENDERSON | 1 | 2.90 | 7 | 4.24 | 2.97 |
| 46 HERTFORD | 1 | 8.08 | 9 | 14.58 | 11.39 |
| 47 HOKE | 0 | 0.00 | 3 | 5.35 | 4.92 |
| 48 HYDE | 0 | 0.00 | 1 | 6.56 | 4.02 |
| 49 IREDELL | 3 | 6.66 | 11 | 4.98 | 5.03 |
| 50 JACKSON | 1 | 7.23 | 2 | 2.91 | 2.69 |
| 51 JOHNSTON | 3 | 7.54 | 11 | 5.74 | 5.62 |
| 52 JONES | 0 | 0.00 | 1 | 3.84 | 1.78 |
| 53 LEE | 2 | 9.46 | 7 | 6.96 | 7.10 |
| 54 LENOIR | 2 | 6.27 | 8 | 5.02 | 3.88 |
| 55 LINCOLN | 2 | 8.59 | 4 | 3.57 | 4.81 |
| 56 MCDOWELL | 0 | 0.00 | 5 | 5.38 | 4.30 |
| 57 MACON | 1 | 8.39 | 3 | 5.24 | 2.91 |
| 58 MADISON | 0 | 0.00 | 2 | 4.56 | 3.75 |
| 59 MARTIN | 2 | 14.29 | 5 | 7.18 | 5.05 |
| 60 MECKLENBURG | 5 | 2.17 | 40 | 3.61 | 3.66 |
| 61 MITCHELL | 2 | 26.80 | 3 | 8.13 | 5.52 |
| 62 MONTGOMERY | 3 | 24.88 | 7 | 11.82 | 11.17 |
| 63 MOORE | 3 | 10.60 | 13 | 9.50 | 8.65 |
| 64 NASH | 3 | 8.09 | 9 | 4.93 | 4.36 |
| 65 NEW HANOVER | 6 | 10.24 | 12 | 4.21 | 4.12 |
| 66 NORTHAMPTON | 1 | 8.88 | 10 | 17.57 | 9.78 |
| 67 ONSLOW | 1 | 2.00 | 2 | 0.83 | 1.48 |
| 68 ORANGE | 0 | 0.00 | 5 | 2.40 | 3.27 |
| 69 PAMLICO | 0 | 0.00 | 2 | 7.19 | 4.10 |
| 70 PASQUOTANK | 1 | 6.58 | 8 | 10.71 | 9.16 |
| 71 PENDER | 0 | 0.00 | 2 | 3.36 | 1.70 |
| 72 PERQUIMANS | 1 | 18.61 | 2 | 7.79 | 3.23 |
| 73 PERSON | 0 | 0.00 | 3 | 3.87 | 3.57 |
| 74 PITT | 4 | 7.91 | 18 | 7.23 | 6.58 |
| 75 POLK | 1 | 13.25 | 1 | 2.72 | 2.37 |
| 76 RANDOLPH | 1 | 2.00 | 8 | 3.28 | 4.12 |
| 77 RICHMOND | 3 | 12.51 | 11 | 9.25 | 8.10 |
| 78 ROBESON | 2 | 3.62 | 11 | 4.02 | 3.63 |
| 79 ROCKINGHAM | 5 | 11.28 | 18 | 8.14 | 7.80 |
| 80 ROWAN | 4 | 7.49 | 10 | 3.81 | 3.72 |
| 81 RUTHERFORD | 2 | 6.73 | 8 | 5.50 | 5.11 |
| 82 SAMPSON | 4 | 15.36 | 9 | 6.93 | 5.45 |
| 83 SCOTLAND | 1 | 5.72 | 7 | 8.05 | 7.31 |
| 84 STANLY | 1 | 3.84 | 3 | 2.35 | 3.78 |
| 85 STOKES | 0 | 0.00 | 2 | 2.25 | 1.86 |
| 86 SURRY | 1 | 3.17 | 9 | 5.76 | 7.01 |
| 87 SWAIN | 0 | 0.00 | 3 | 10.91 | 10.63 |
| 88 TRANSYLVANIA | 2 | 15.38 | 3 | 4.79 | 8.63 |
| 89 TYRRELL | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 90 UNION | 0 | 0.00 | 7 | 3.66 | 3.97 |
| 91 VANCE | 1 | 5.01 | 8 | 8.17 | 7.01 |
| 92 WAKE | 6 | 3.34 | 24 | 2.87 | 3.38 |
| 93 WARREN | 0 | 0.00 | 3 | 7.05 | 6.10 |
| 94 WASHINGTON | 0 | 0.00 | 2 | 5.35 | 3.26 |
| 95 WATAUGA | 0 | 0.00 | 3 | 3.50 | 18.14 |
| 96 WAYNE | 2 | 3.94 | 10 | 3.96 | 3.43 |
| 97 WILKES | 1 | 3.22 | 11 | 7.19 | 7.58 |
| 98 WILSON | 4 | 11.77 | 16 | 9.46 | 8.29 |
| 99 YADKIN | 1 | 6.70 | 1 | 1.34 | 0.95 |
| 100 YANCEY | 0 | 0.00 | 0 | 0.00 | 0.00 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CANCER OF THE CERVIX UTERI

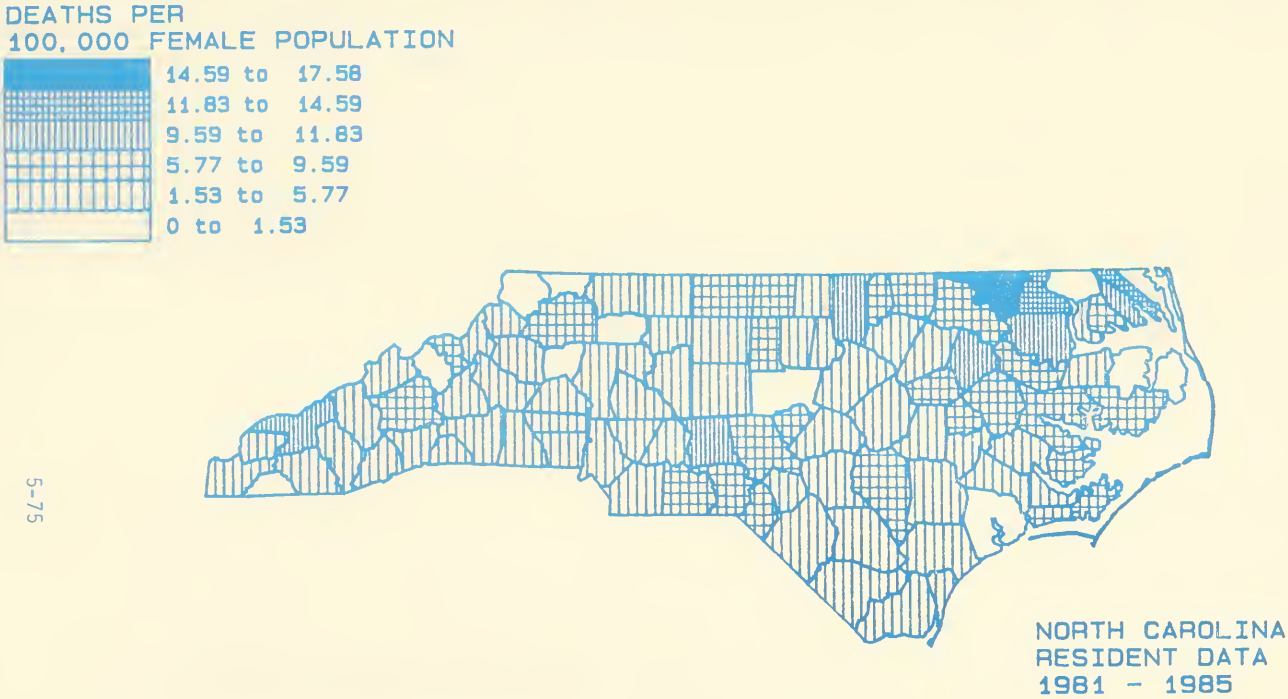
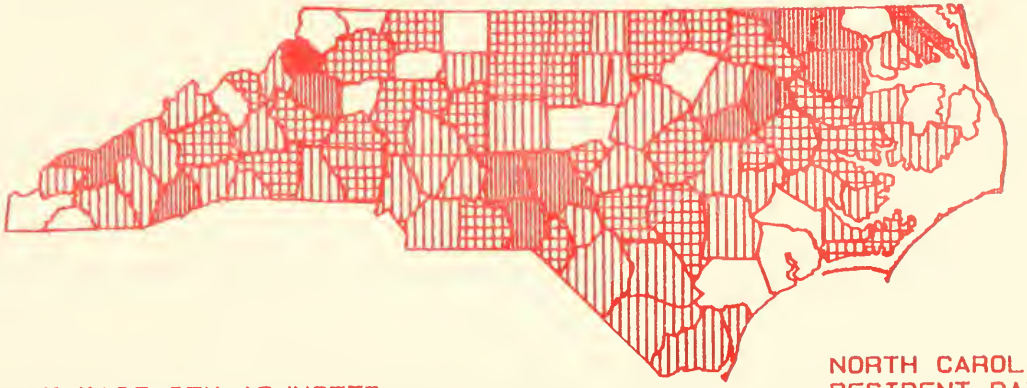



FIGURE 15.A

# CANCER OF CERVIX UTERI

MORTALITY RATES PER
100,000 FEMALE POPULATION

13.62 to 18.15
11.4 to 13.62
7.81 to 11.4
4.93 to 7.81
2.07 to 4.93
0 to 2.07



AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 15.B

TABLE 16

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER OF OVARY AND OTHER UTERINE ADNEXA

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 288 | 8.96 | 1279 | 8.15 | 8.15 |
| REGIONS | | | | | |
| DHR I WESTERN | 115 | 10.38 | 457 | 8.46 | 7.84 |
| DHR II N. CENTRAL | 73 | 10.65 | 325 | 9.64 | 9.14 |
| DHR III S. CENTRAL | 50 | 6.70 | 225 | 6.22 | 7.11 |
| DHR IV EASTERN | 50 | 7.42 | 272 | 8.25 | 8.36 |
| HSA I WESTERN | 66 | 11.92 | 260 | 9.59 | 8.54 |
| HSA II PIEDMONT | 67 | 11.05 | 292 | 9.79 | 9.24 |
| HSA III S. PIEDMONT | 49 | 8.83 | 197 | 7.32 | 7.26 |
| HSA IV CAPITAL | 35 | 7.50 | 153 | 6.85 | 7.40 |
| HSA V CARDINAL | 29 | 6.04 | 159 | 6.75 | 7.56 |
| HSA VI EASTERN | 42 | 7.60 | 218 | 8.04 | 8.10 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 6 | 11.16 | 20 | 7.54 | 6.47 |
| 2 ALEXANDER | 0 | 0.00 | 3 | 4.56 | 4.33 |
| 3 ALLEGHANY | 1 | 19.97 | 2 | 7.90 | 5.36 |
| 4 ANSON | 1 | 7.18 | 3 | 4.35 | 3.13 |
| 5 ASHE | 1 | 8.31 | 6 | 10.13 | 6.86 |
| 6 AVERY | 0 | 0.00 | 3 | 8.03 | 6.23 |
| 7 BEAUFORT | 4 | 17.67 | 12 | 10.83 | 9.47 |
| 8 BERTIE | 1 | 8.91 | 7 | 12.44 | 6.05 |
| 9 BLADEN | 2 | 12.63 | 7 | 8.83 | 9.99 |
| 10 BRUNSWICK | 1 | 4.32 | 13 | 12.39 | 12.54 |
| 11 BUNCOMBE | 15 | 16.95 | 61 | 14.07 | 12.22 |
| 12 BURKE | 4 | 10.34 | 11 | 5.78 | 8.28 |
| 13 CABARRUS | 6 | 12.55 | 23 | 9.82 | 9.61 |
| 14 CALDWELL | 2 | 5.57 | 16 | 9.14 | 9.50 |
| 15 CAMDEN | 0 | 0.00 | 1 | 6.77 | 6.12 |
| 16 CARTERET | 3 | 12.28 | 13 | 11.34 | 9.97 |
| 17 CASWELL | 2 | 17.70 | 9 | 16.46 | 17.01 |
| 18 CATAWBA | 9 | 15.50 | 26 | 9.20 | 8.62 |
| 19 CHATHAM | 1 | 5.57 | 6 | 6.80 | 6.56 |
| 20 CHEROKEE | 0 | 0.00 | 7 | 13.70 | 8.94 |
| 21 CHOWAN | 2 | 28.50 | 3 | 8.79 | 5.71 |
| 22 CLAY | 0 | 0.00 | 1 | 5.68 | 3.26 |
| 23 CLEVELAND | 3 | 6.70 | 15 | 6.85 | 6.33 |
| 24 COLUMBUS | 0 | 0.00 | 3 | 2.22 | 2.12 |
| 25 CRAVEN | 4 | 10.36 | 12 | 6.55 | 8.70 |
| 26 CUMBERLAND | 6 | 4.92 | 21 | 3.48 | 5.62 |
| 27 CURRITUCK | 1 | 15.94 | 1 | 3.35 | 3.27 |
| 28 DARE | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 29 DAVIDSON | 8 | 13.16 | 39 | 13.14 | 12.82 |
| 30 DAVIE | 4 | 28.57 | 10 | 14.58 | 13.16 |
| 31 DUPLIN | 1 | 4.62 | 12 | 11.15 | 9.61 |
| 32 DURHAM | 5 | 5.82 | 25 | 5.94 | 6.02 |
| 33 EDGECOMBE | 3 | 9.63 | 14 | 9.17 | 10.02 |
| 34 FORSYTH | 9 | 6.60 | 59 | 8.86 | 8.76 |
| 35 FRANKLIN | 1 | 5.89 | 6 | 7.37 | 7.42 |
| 36 GASTON | 3 | 3.34 | 30 | 6.87 | 6.60 |
| 37 GATES | 0 | 0.00 | 1 | 4.37 | 1.74 |
| 38 GRAHAM | 1 | 27.64 | 3 | 16.78 | 12.55 |
| 39 GRANVILLE | 0 | 0.00 | 5 | 5.58 | 4.05 |
| 40 GREENE | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 41 GUILFORD | 18 | 10.49 | 83 | 9.78 | 9.73 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF OVARY AND OTHER UTERINE ADNEXA CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 3 | 10.36 | 10 | 6.91 | 6.76 |
| 43 HARNETT | 4 | 12.42 | 11 | 6.96 | 6.99 |
| 44 HAYWOOD | 5 | 20.20 | 11 | 9.02 | 5.56 |
| 45 HENDERSON | 6 | 17.41 | 20 | 12.12 | 7.43 |
| 46 HERTFORD | 1 | 8.08 | 7 | 11.34 | 7.17 |
| 47 HOKE | 0 | 0.00 | 2 | 3.56 | 4.07 |
| 48 HYDE | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 49 IREDELL | 3 | 6.66 | 13 | 5.88 | 4.93 |
| 50 JACKSON | 0 | 0.00 | 5 | 7.27 | 6.88 |
| 51 JOHNSTON | 2 | 5.03 | 16 | 8.36 | 7.91 |
| 52 JONES | 0 | 0.00 | 1 | 3.84 | 5.09 |
| 53 LEE | 0 | 0.00 | 4 | 3.97 | 3.97 |
| 54 LENOIR | 0 | 0.00 | 17 | 10.68 | 10.29 |
| 55 LINCOLN | 1 | 4.29 | 10 | 8.93 | 8.19 |
| 56 MCDOWELL | 1 | 5.35 | 10 | 10.76 | 8.62 |
| 57 MACON | 0 | 0.00 | 4 | 6.99 | 4.18 |
| 58 MADISON | 2 | 22.93 | 4 | 9.13 | 7.43 |
| 59 MARTIN | 2 | 14.29 | 5 | 7.18 | 9.06 |
| 60 MECKLENBURG | 19 | 8.27 | 74 | 6.68 | 7.53 |
| 61 MITCHELL | 1 | 13.40 | 5 | 13.56 | 8.58 |
| 62 MONTGOMERY | 1 | 8.29 | 5 | 8.44 | 7.66 |
| 63 MOORE | 0 | 0.00 | 12 | 8.76 | 7.16 |
| 64 NASH | 2 | 5.39 | 6 | 3.29 | 3.21 |
| 65 NEW HANOVER | 4 | 6.83 | 26 | 9.14 | 9.41 |
| 66 NORTHAMPTON | 1 | 8.88 | 5 | 8.78 | 9.57 |
| 67 ONSLOW | 4 | 8.00 | 22 | 9.15 | 17.18 |
| 68 ORANGE | 2 | 4.65 | 8 | 3.84 | 5.42 |
| 69 PAMLICO | 0 | 0.00 | 4 | 14.39 | 12.39 |
| 70 PASQUOTANK | 0 | 0.00 | 7 | 9.37 | 8.99 |
| 71 PENDER | 3 | 24.15 | 12 | 20.16 | 20.72 |
| 72 PERQUIMANS | 0 | 0.00 | 2 | 7.79 | 5.04 |
| 73 PERSON | 3 | 19.17 | 11 | 14.21 | 14.53 |
| 74 PITT | 3 | 5.93 | 17 | 6.82 | 7.62 |
| 75 POLK | 0 | 0.00 | 3 | 8.18 | 8.60 |
| 76 RANDOLPH | 6 | 12.01 | 15 | 6.16 | 7.18 |
| 77 RICHMOND | 1 | 4.17 | 6 | 5.04 | 4.33 |
| 78 ROBESON | 3 | 5.43 | 16 | 5.85 | 8.20 |
| 79 ROCKINGHAM | 7 | 15.79 | 21 | 9.50 | 8.52 |
| 80 ROWAN | 7 | 13.12 | 21 | 8.01 | 6.26 |
| 81 RUTHERFORD | 3 | 10.09 | 17 | 11.70 | 8.76 |
| 82 SAMPSON | 3 | 11.52 | 17 | 13.10 | 11.56 |
| 83 SCOTLAND | 0 | 0.00 | 5 | 5.75 | 6.32 |
| 84 STANLY | 4 | 15.39 | 11 | 8.64 | 7.56 |
| 85 STOKES | 3 | 16.64 | 8 | 9.03 | 10.32 |
| 86 SURRY | 3 | 9.52 | 18 | 11.52 | 10.23 |
| 87 SWAIN | 1 | 17.98 | 4 | 14.55 | 10.90 |
| 88 TRANSYLVANIA | 3 | 23.07 | 5 | 7.98 | 5.68 |
| 89 TYRRELL | 0 | 0.00 | 1 | 9.11 | 9.12 |
| 90 UNION | 6 | 15.03 | 15 | 7.84 | 8.64 |
| 91 VANCE | 1 | 5.01 | 6 | 6.13 | 4.33 |
| 92 WAKE | 19 | 10.58 | 61 | 7.31 | 9.00 |
| 93 WARREN | 1 | 11.77 | 5 | 11.76 | 8.91 |
| 94 WASHINGTON | 0 | 0.00 | 2 | 5.35 | 3.32 |
| 95 WATAUGA | 3 | 17.23 | 5 | 5.84 | 5.37 |
| 96 WAYNE | 5 | 9.87 | 25 | 9.92 | 10.61 |
| 97 WILKES | 4 | 12.91 | 7 | 4.58 | 3.84 |
| 98 WILSON | 2 | 5.88 | 11 | 6.50 | 5.66 |
| 99 YADKIN | 1 | 6.70 | 10 | 13.46 | 14.11 |
| 100 YANCEY | 1 | 12.53 | 6 | 15.34 | 10.96 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CANCER OF OVARY AND OTHER UTERINE ADNEXA

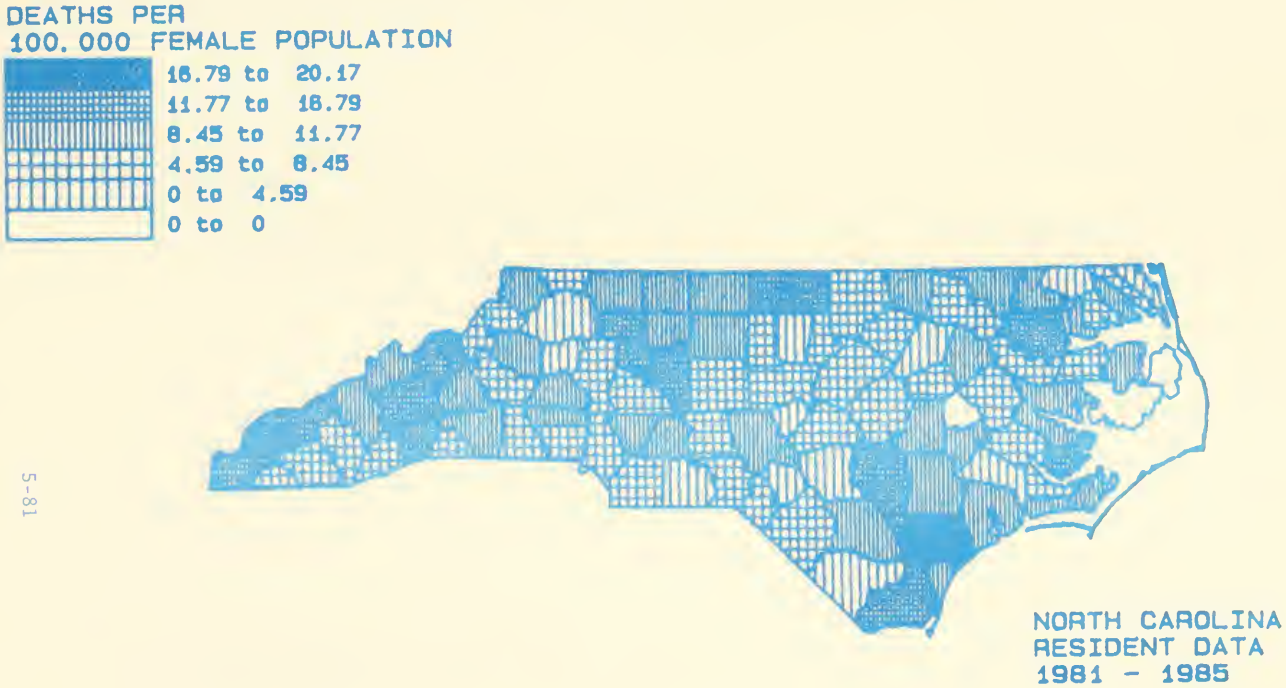



FIGURE 16.A

# CANCER OF OVARY AND OTHER UTERINE ADNEXA

MORTALITY RATES PER
100,000 FEMALE POPULATION

17.19 to 20.73
14.54 to 17.19
10.33 to 14.54
4.34 to 10.33
0 to 4.34
0 to 0

AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 16.B

TABLE 17

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CANCER OF PROSTATE

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 679 | 22.32 | 3265 | 22.05 | 22.05 |
| REGIONS | | | | | |
| DHR I WESTERN | 243 | 23.46 | 1086 | 21.53 | 21.48 |
| DHR II N. CENTRAL | 137 | 21.64 | 719 | 23.16 | 22.26 |
| DHR III S. CENTRAL | 153 | 21.29 | 680 | 19.61 | 22.06 |
| DHR IV EASTERN | 146 | 22.29 | 780 | 24.46 | 22.32 |
| HSA I WESTERN | 121 | 23.31 | 572 | 22.50 | 20.74 |
| HSA II PIEDMONT | 112 | 20.07 | 614 | 22.41 | 22.55 |
| HSA III S. PIEDMONT | 122 | 23.62 | 514 | 20.55 | 22.21 |
| HSA IV CAPITAL | 101 | 23.02 | 432 | 20.70 | 21.26 |
| HSA V CARDINAL | 101 | 21.58 | 487 | 21.27 | 22.35 |
| HSA VI EASTERN | 122 | 22.50 | 646 | 24.42 | 22.31 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 8 | 16.49 | 62 | 25.89 | 23.58 |
| 2 ALEXANDER | 4 | 30.22 | 14 | 21.56 | 26.51 |
| 3 ALLEGHANY | 1 | 21.34 | 4 | 16.88 | 9.86 |
| 4 ANSON | 4 | 32.45 | 18 | 29.59 | 20.66 |
| 5 ASHE | 6 | 52.67 | 19 | 33.79 | 19.05 |
| 6 AVERY | 0 | 0.00 | 13 | 35.03 | 25.34 |
| 7 BEAUFORT | 8 | 38.77 | 39 | 38.78 | 27.80 |
| 8 BERTIE | 4 | 39.52 | 22 | 43.62 | 32.42 |
| 9 BLADEN | 6 | 40.23 | 17 | 22.87 | 18.61 |
| 10 BRUNSWICK | 5 | 22.30 | 17 | 16.75 | 15.12 |
| 11 BUNCOMBE | 22 | 27.56 | 107 | 27.36 | 23.40 |
| 12 BURKE | 3 | 8.13 | 29 | 15.99 | 21.00 |
| 13 CABARRUS | 6 | 13.54 | 26 | 11.99 | 11.21 |
| 14 CALDWELL | 7 | 20.34 | 25 | 14.90 | 16.88 |
| 15 CAMDEN | 1 | 35.08 | 9 | 63.81 | 46.58 |
| 16 CARTERET | 5 | 20.56 | 28 | 24.61 | 27.53 |
| 17 CASWELL | 5 | 44.85 | 15 | 27.97 | 24.27 |
| 18 CATAWBA | 8 | 14.66 | 43 | 16.21 | 21.09 |
| 19 CHATHAM | 5 | 28.71 | 23 | 26.97 | 21.72 |
| 20 CHEROKEE | 3 | 30.90 | 14 | 29.56 | 15.76 |
| 21 CHOWAN | 4 | 65.13 | 14 | 46.76 | 26.82 |
| 22 CLAY | 0 | 0.00 | 1 | 5.74 | 2.62 |
| 23 CLEVELAND | 10 | 24.13 | 43 | 21.21 | 19.90 |
| 24 COLUMBUS | 5 | 19.97 | 31 | 24.91 | 21.40 |
| 25 CRAVEN | 4 | 9.78 | 34 | 17.58 | 21.75 |
| 26 CUMBERLAND | 14 | 10.43 | 68 | 10.27 | 22.27 |
| 27 CURRITUCK | 4 | 60.40 | 12 | 38.14 | 36.04 |
| 28 DARE | 5 | 58.22 | 10 | 25.57 | 17.07 |
| 29 DAVIDSON | 8 | 13.86 | 45 | 15.94 | 16.80 |
| 30 DAVIE | 3 | 21.92 | 13 | 19.44 | 23.61 |
| 31 DUPLIN | 4 | 20.02 | 32 | 32.30 | 25.48 |
| 32 DURHAM | 16 | 21.11 | 87 | 23.54 | 22.03 |
| 33 EDGECOMBE | 6 | 22.00 | 41 | 30.73 | 24.72 |
| 34 FORSYTH | 32 | 26.15 | 141 | 23.64 | 23.12 |
| 35 FRANKLIN | 8 | 50.55 | 20 | 26.43 | 15.39 |
| 36 GASTON | 22 | 26.76 | 74 | 18.47 | 20.64 |
| 37 GATES | 2 | 42.33 | 6 | 26.13 | 14.07 |
| 38 GRAHAM | 0 | 0.00 | 3 | 16.95 | 7.95 |
| 39 GRANVILLE | 2 | 10.88 | 25 | 28.07 | 18.86 |
| 40 GREENE | 1 | 12.33 | 10 | 25.02 | 20.33 |
| 41 GUILFORD | 35 | 22.57 | 202 | 26.47 | 26.82 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF PROSTATE CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 7 | 25.91 | 38 | 28.39 | 18.47 |
| 43 HARNETT | 9 | 29.21 | 47 | 31.17 | 33.28 |
| 44 HAYWOOD | 4 | 17.27 | 23 | 20.12 | 14.07 |
| 45 HENDERSON | 13 | 40.97 | 45 | 29.62 | 20.43 |
| 46 HERTFORD | 7 | 60.57 | 29 | 50.86 | 30.16 |
| 47 HOKE | 0 | 0.00 | 7 | 12.93 | 18.76 |
| 48 HYDE | 2 | 68.32 | 6 | 41.20 | 23.64 |
| 49 IREDELL | 9 | 21.31 | 45 | 21.77 | 19.46 |
| 50 JACKSON | 4 | 30.42 | 14 | 21.34 | 17.28 |
| 51 JOHNSTON | 11 | 29.67 | 41 | 23.04 | 22.59 |
| 52 JONES | 3 | 65.65 | 12 | 52.41 | 33.91 |
| 53 LEE | 5 | 25.75 | 18 | 19.51 | 19.29 |
| 54 LENOIR | 4 | 13.96 | 37 | 25.98 | 21.60 |
| 55 LINCOLN | 3 | 13.40 | 20 | 18.57 | 18.74 |
| 56 MCDOWELL | 4 | 22.71 | 12 | 13.68 | 9.87 |
| 57 MACON | 4 | 35.84 | 28 | 52.04 | 36.97 * |
| 58 MADISON | 5 | 59.03 | 16 | 37.78 | 21.48 |
| 59 MARTIN | 0 | 0.00 | 18 | 28.68 | 19.63 |
| 60 MECKLENBURG | 52 | 24.42 | 213 | 20.85 | 25.39 |
| 61 MITCHELL | 3 | 42.25 | 12 | 34.18 | 17.23 |
| 62 MONTGOMERY | 2 | 17.08 | 13 | 22.75 | 19.21 |
| 63 MOORE | 10 | 37.71 | 50 | 39.08 | 26.00 |
| 64 NASH | 7 | 20.74 | 35 | 21.13 | 20.39 |
| 65 NEW HANOVER | 11 | 20.56 | 63 | 24.28 | 25.35 |
| 66 NORTHAMPTON | 3 | 27.01 | 14 | 25.29 | 13.12 |
| 67 ONSLOW | 11 | 15.16 | 25 | 7.18 | 23.57 |
| 68 ORANGE | 7 | 17.71 | 29 | 15.19 | 18.39 |
| 69 PAMLICO | 0 | 0.00 | 3 | 11.65 | 7.22 |
| 70 PASQUOTANK | 2 | 14.11 | 19 | 27.43 | 22.35 |
| 71 PENDER | 3 | 24.99 | 23 | 40.14 | 24.48 |
| 72 PERQUIMANS | 2 | 40.60 | 8 | 34.09 | 15.49 |
| 73 PERSON | 2 | 13.68 | 15 | 20.79 | 18.50 |
| 74 PITT | 10 | 22.05 | 47 | 21.13 | 20.74 |
| 75 POLK | 1 | 14.60 | 10 | 30.13 | 17.54 |
| 76 RANDOLPH | 9 | 19.02 | 38 | 16.44 | 17.85 |
| 77 RICHMOND | 9 | 40.58 | 25 | 22.84 | 18.13 |
| 78 ROBESON | 12 | 23.60 | 64 | 25.63 | 22.43 |
| 79 ROCKINGHAM | 3 | 7.31 | 35 | 17.15 | 15.84 |
| 80 ROWAN | 15 | 29.93 | 71 | 28.88 | 23.06 |
| 81 RUTHERFORD | 5 | 18.35 | 28 | 21.03 | 18.55 |
| 82 SAMPSON | 4 | 16.46 | 28 | 23.21 | 17.76 |
| 83 SCOTLAND | 7 | 43.40 | 16 | 20.08 | 23.96 |
| 84 STANLY | 6 | 24.79 | 34 | 28.69 | 27.78 |
| 85 STOKES | 3 | 17.32 | 17 | 19.98 | 25.85 |
| 86 SURRY | 2 | 6.81 | 29 | 19.92 | 24.00 |
| 87 SWAIN | 0 | 0.00 | 10 | 39.30 | 28.09 |
| 88 TRANSYLVANIA | 2 | 15.89 | 8 | 13.19 | 8.38 |
| 89 TYRRELL | 0 | 0.00 | 4 | 40.76 | 22.75* |
| 90 UNION | 9 | 23.54 | 31 | 16.90 | 19.48 |
| 91 VANCE | 8 | 43.48 | 29 | 32.35 | 22.01 |
| 92 WAKE | 32 | 18.35 | 129 | 16.02 | 22.71 |
| 93 WARREN | 5 | 63.24 | 16 | 40.80 | 16.96 |
| 94 WASHINGTON | 1 | 14.17 | 13 | 36.91 | 24.38 |
| 95 WATAUGA | 3 | 17.89 | 12 | 14.59 | 10.87 |
| 96 WAYNE | 6 | 12.50 | 43 | 18.05 | 19.17 |
| 97 WILKES | 4 | 13.41 | 27 | 18.33 | 21.72 |
| 98 WILSON | 9 | 29.62 | 38 | 25.20 | 19.55 |
| 99 YADKIN | 4 | 27.66 | 17 | 23.65 | 23.33 |
| 100 YANCEY | 5 | 65.80 | 12 | 32.15 | 16.97 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CANCER OF THE PROSTATE

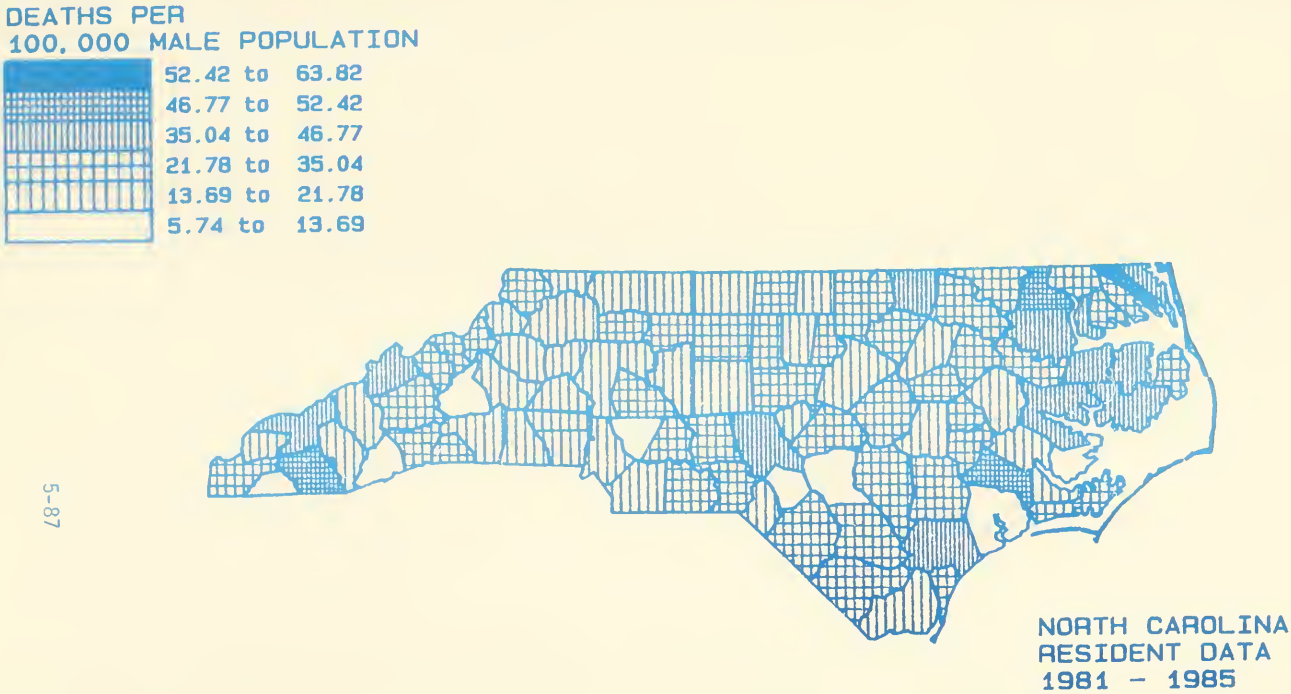



FIGURE 17.A

# CANCER OF THE PROSTATE

MORTALITY RATES PER
100,000 MALE POPULATION

36.98 to 46.59
30.17 to 36.98
19.91 to 30.17
11.22 to 19.91
2.63 to 11.22
2.62 to 2.63

AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 17.B

TABLE 18

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

LEUKEMIA

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 394 | 6.30 | 1978 | 6.48 | 6.48 |
| REGIONS | | | | | |
| DHR I WESTERN | 157 | 7.32 | 712 | 6.81 | 6.38 |
| DHR II N. CENTRAL | 83 | 6.29 | 443 | 6.84 | 6.50 |
| DHR III S. CENTRAL | 84 | 5.73 | 403 | 5.69 | 6.44 |
| DHR IV EASTERN | 70 | 5.26 | 420 | 6.48 | 6.70 |
| HSA I WESTERN | 87 | 8.11 | 399 | 7.59 | 6.53 |
| HSA II PIEDMONT | 71 | 6.09 | 381 | 6.65 | 6.33 |
| HSA III S. PIEDMONT | 70 | 6.53 | 313 | 6.02 | 6.10 |
| HSA IV CAPITAL | 60 | 6.62 | 278 | 6.43 | 6.87 |
| HSA V CARDINAL | 55 | 5.80 | 270 | 5.81 | 6.57 |
| HSA VI EASTERN | 51 | 4.66 | 337 | 6.29 | 6.49 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 8 | 7.82 | 41 | 8.12 | 6.97 |
| 2 ALEXANDER | 2 | 7.51 | 10 | 7.65 | 7.30 |
| 3 ALLEGHANY | 1 | 10.31 | 3 | 6.12 | 3.95 |
| 4 ANSON | 1 | 3.81 | 9 | 6.93 | 5.61 |
| 5 ASHE | 4 | 17.07 | 12 | 10.39 | 6.53 |
| 6 AVERY | 0 | 0.00 | 8 | 10.74 | 8.95 |
| 7 BEAUFORT | 3 | 6.93 | 16 | 7.57 | 7.12 |
| 8 BERTIE | 0 | 0.00 | 12 | 11.24 | 11.93 |
| 9 BLADEN | 2 | 6.50 | 9 | 5.85 | 6.30 |
| 10 BRUNSWICK | 5 | 10.97 | 8 | 3.87 | 3.98 |
| 11 BUNCOMBE | 18 | 10.69 | 69 | 8.37 | 6.70 |
| 12 BURKE | 7 | 9.26 | 25 | 6.73 | 6.88 |
| 13 CABARRUS | 5 | 5.43 | 27 | 5.98 | 5.44 |
| 14 CALDWELL | 4 | 5.69 | 22 | 6.42 | 6.56 |
| 15 CAMDEN | 1 | 17.19 | 4 | 13.85 | 13.28 |
| 16 CARTERET | 2 | 4.10 | 12 | 5.25 | 7.70 |
| 17 CASWELL | 2 | 8.91 | 6 | 5.54 | 4.92 |
| 18 CATAWBA | 7 | 6.21 | 32 | 5.84 | 5.91 |
| 19 CHATHAM | 3 | 8.48 | 17 | 9.80 | 8.78 |
| 20 CHEROKEE | 1 | 4.94 | 8 | 8.12 | 5.09 |
| 21 CHOWAN | 0 | 0.00 | 6 | 9.36 | 9.63 |
| 22 CLAY | 0 | 0.00 | 2 | 5.71 | 3.64 |
| 23 CLEVELAND | 7 | 8.12 | 31 | 7.35 | 6.89 |
| 24 COLUMBUS | 2 | 3.84 | 15 | 5.78 | 6.39 |
| 25 CRAVEN | 2 | 2.51 | 18 | 4.78 | 4.95 |
| 26 CUMBERLAND | 5 | 1.95 | 39 | 3.08 | 4.85 |
| 27 CURRITUCK | 0 | 0.00 | 5 | 8.15 | 7.40 |
| 28 DARE | 0 | 0.00 | 5 | 6.37 | 4.75 |
| 29 DAVIDSON | 6 | 5.06 | 34 | 5.87 | 5.85 |
| 30 DAVIE | 0 | 0.00 | 8 | 5.90 | 6.00 |
| 31 DUPLIN | 4 | 9.61 | 16 | 7.74 | 6.55 |
| 32 DURHAM | 10 | 6.18 | 51 | 6.45 | 6.38 |
| 33 EDGECOMBE | 0 | 0.00 | 18 | 6.29 | 6.44 |
| 34 FORSYTH | 13 | 5.02 | 68 | 5.38 | 5.40 |
| 35 FRANKLIN | 1 | 3.05 | 12 | 7.64 | 7.71 |
| 36 GASTON | 12 | 6.98 | 53 | 6.33 | 6.38 |
| 37 GATES | 1 | 10.65 | 3 | 6.54 | 8.28 |
| 38 GRAHAM | 1 | 13.91 | 3 | 8.43 | 5.14 |
| 39 GRANVILLE | 5 | 13.63 | 17 | 9.51 | 8.13 |
| 40 GREENE | 1 | 6.05 | 6 | 7.34 | 9.37 |
| 41 GUILFORD | 25 | 7.65 | 124 | 7.69 | 7.65 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
LEUKEMIA CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 1 | 1.78 | 13 | 4.66 | 3.52 |
| 43 HARNETT | 2 | 3.17 | 13 | 4.21 | 4.46 |
| 44 HAYWOOD | 5 | 10.43 | 22 | 9.31 | 9.67* |
| 45 HENDERSON | 7 | 10.57 | 27 | 8.52 | 5.26 |
| 46 HERTFORD | 1 | 4.17 | 10 | 8.42 | 7.41 |
| 47 HOKE | 1 | 4.44 | 6 | 5.44 | 4.64 |
| 48 HYDE | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 49 IREDELL | 9 | 10.31 | 28 | 6.54 | 6.24 |
| 50 JACKSON | 2 | 7.41 | 8 | 5.95 | 5.12 |
| 51 JOHNSTON | 7 | 9.11 | 25 | 6.77 | 6.67 |
| 52 JONES | 0 | 0.00 | 1 | 2.04 | 0.75 |
| 53 LEE | 5 | 12.33 | 12 | 6.22 | 6.53 |
| 54 LENOIR | 1 | 1.65 | 20 | 6.63 | 6.64 |
| 55 LINCOLN | 3 | 6.57 | 13 | 5.91 | 5.82 |
| 56 MCDOWELL | 3 | 8.26 | 7 | 3.87 | 3.01 |
| 57 MACON | 0 | 0.00 | 8 | 7.20 | 3.03 |
| 58 MADISON | 3 | 17.45 | 6 | 6.96 | 4.85 |
| 59 MARTIN | 4 | 15.00 | 17 | 12.84 | 11.40 |
| 60 MECKLENBURG | 29 | 6.55 | 124 | 5.82 | 6.59 |
| 61 MITCHELL | 3 | 20.60 | 7 | 9.72 | 5.99 |
| 62 MONTGOMERY | 2 | 8.41 | 13 | 11.17 | 10.34 |
| 63 MOORE | 6 | 10.94 | 18 | 6.79 | 4.97 |
| 64 NASH | 2 | 2.82 | 18 | 5.17 | 5.32 |
| 65 NEW HANOVER | 10 | 8.92 | 49 | 9.01 | 9.15 |
| 66 NORTHAMPTON | 2 | 8.94 | 17 | 15.14 | 16.25 |
| 67 ONSLOW | 7 | 5.71 | 23 | 3.91 | 7.77 |
| 68 ORANGE | 5 | 6.06 | 24 | 6.01 | 7.73 |
| 69 PAMLICO | 0 | 0.00 | 1 | 1.86 | 1.41 |
| 70 PASQUOTANK | 2 | 6.81 | 11 | 7.64 | 7.66 |
| 71 PENDER | 2 | 8.18 | 11 | 9.41 | 8.42 |
| 72 PERQUIMANS | 1 | 9.71 | 4 | 8.14 | 7.23 |
| 73 PERSON | 1 | 3.30 | 12 | 8.02 | 7.82 |
| 74 PITT | 5 | 5.21 | 32 | 6.78 | 7.88 |
| 75 POLK | 3 | 20.85 | 11 | 15.75 | 8.19 |
| 76 RANDOLPH | 3 | 3.08 | 26 | 5.48 | 4.62 |
| 77 RICHMOND | 3 | 6.50 | 16 | 7.00 | 6.19 |
| 78 ROBESON | 10 | 9.43 | 32 | 6.12 | 8.50 |
| 79 ROCKINGHAM | 7 | 8.20 | 32 | 7.53 | 6.71 |
| 80 ROWAN | 7 | 6.76 | 30 | 5.90 | 5.30 |
| 81 RUTHERFORD | 3 | 5.26 | 23 | 8.26 | 7.17 |
| 82 SAMPSON | 2 | 3.97 | 22 | 8.78 | 8.11 |
| 83 SCOTLAND | 2 | 5.95 | 10 | 6.00 | 5.95 |
| 84 STANLY | 1 | 1.99 | 14 | 5.69 | 5.04 |
| 85 STOKES | 2 | 5.65 | 13 | 7.49 | 6.61 |
| 86 SURRY | 4 | 6.57 | 21 | 6.96 | 7.10 |
| 87 SWAIN | 0 | 0.00 | 5 | 9.44 | 9.10 |
| 88 TRANSYLVANIA | 0 | 0.00 | 10 | 8.11 | 6.04 |
| 89 TYRRELL | 0 | 0.00 | 0 | 0.00 | 0.00 |
| 90 UNION | 4 | 5.12 | 24 | 6.40 | 7.48 |
| 91 VANCE | 2 | 5.21 | 14 | 7.46 | 6.94 |
| 92 WAKE | 18 | 5.08 | 87 | 5.30 | 6.61 |
| 93 WARREN | 3 | 18.29 | 7 | 8.56 | 5.01 |
| 94 WASHINGTON | 3 | 20.64 | 6 | 8.26 | 11.02 |
| 95 WATAUGA | 3 | 8.77 | 15 | 8.93 | 7.54 |
| 96 WAYNE | 5 | 5.06 | 24 | 4.89 | 5.57 |
| 97 WILKES | 2 | 3.28 | 19 | 6.33 | 6.13 |
| 98 WILSON | 3 | 4.66 | 19 | 5.94 | 5.99 |
| 99 YADKIN | 1 | 3.40 | 8 | 5.47 | 3.87 |
| 100 YANCEY | 1 | 6.42 | 6 | 7.85 | 5.15 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# LEUKEMIA

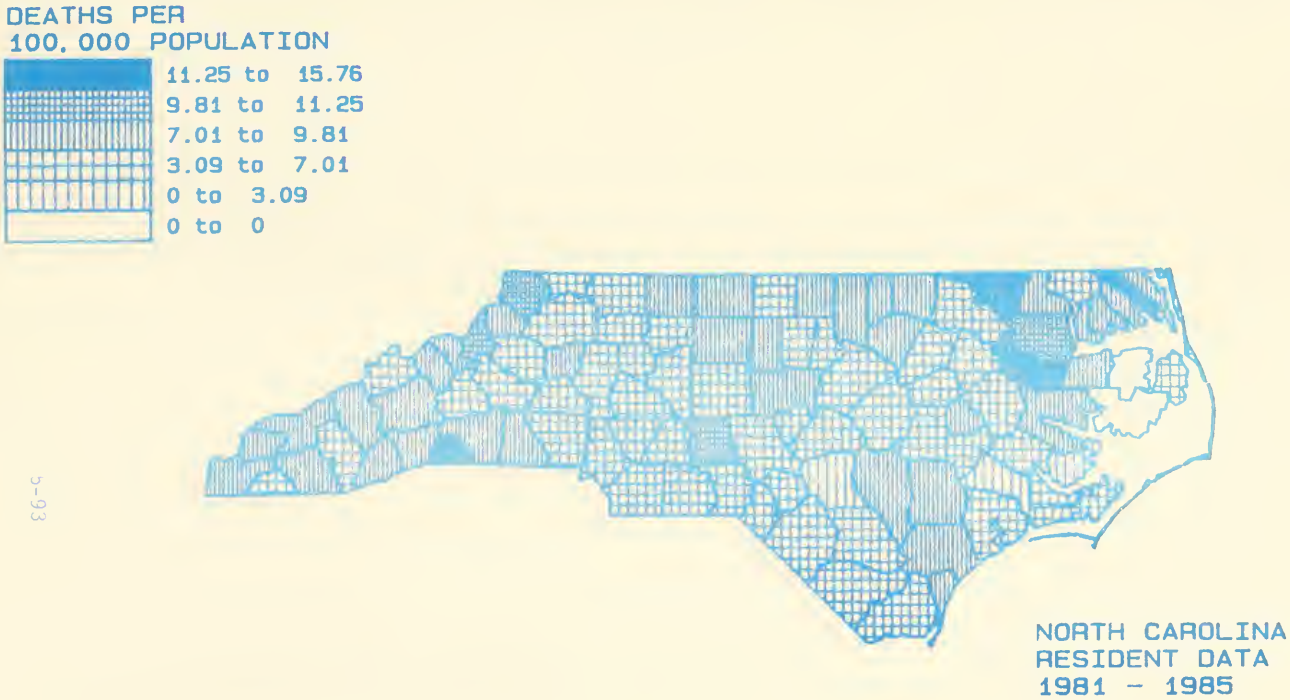



FIGURE 18.A

# LEUKEMIA

MORTALITY RATES PER
100,000 POPULATION

13.29 to 16.26
10.35 to 13.29
6.72 to 10.35
3.99 to 6.72
1.42 to 3.99
0 to 1.42

AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 18.B

TABLE 19

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

DIABETES MELLITUS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 869 | 13.89 | 4175 | 13.69 | 13.69 |
| REGIONS | | | | | |
| DHR I WESTERN | 288 | 13.43 | 1414 | 13.53 | 14.18 |
| DHR II N. CENTRAL | 187 | 14.18 | 905 | 13.97 | 13.47 |
| DHR III S. CENTRAL | 187 | 12.77 | 929 | 13.12 | 14.23 |
| DHR IV EASTERN | 207 | 15.58 | 927 | 14.30 | 13.52 |
| HSA I WESTERN | 147 | 13.70 | 702 | 13.36 | 14.26 |
| HSA II PIEDMONT | 172 | 14.77 | 774 | 13.52 | 13.58 |
| HSA III S. PIEDMONT | 141 | 13.16 | 712 | 13.71 | 14.50 |
| HSA IV CAPITAL | 101 | 11.15 | 555 | 12.85 | 13.01 |
| HSA V CARDINAL | 131 | 13.82 | 635 | 13.68 | 14.18 |
| HSA VI EASTERN | 177 | 16.17 | 797 | 14.88 | 14.16 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 22 | 21.51 | 89 | 17.63 | 15.49 |
| 2 ALEXANDER | 1 | 3.75 | 6 | 4.59 | 7.77 |
| 3 ALLEGHANY | 0 | 0.00 | 3 | 6.12 | 3.67 |
| 4 ANSON | 2 | 7.62 | 13 | 10.02 | 7.88 |
| 5 ASHE | 1 | 4.26 | 16 | 13.86 | 8.14 |
| 6 AVERY | 1 | 6.66 | 5 | 6.71 | 5.26 |
| 7 BEAUFORT | 8 | 18.49 | 49 | 23.18 | 18.45 |
| 8 BERTIE | 3 | 14.05 | 20 | 18.74 | 13.60 |
| 9 BLADEN | 9 | 29.27 | 28 | 18.23 | 15.77 |
| 10 BRUNSWICK | 9 | 19.75 | 22 | 10.66 | 10.46 |
| 11 BUNCOMBE | 24 | 14.26 | 98 | 11.88 | 11.39 |
| 12 BURKE | 7 | 9.26 | 51 | 13.73 | 15.14 |
| 13 CABARRUS | 6 | 6.51 | 42 | 9.31 | 9.41 |
| 14 CALDWELL | 10 | 14.23 | 71 | 20.72 | 25.81 |
| 15 CAMDEN | 3 | 51.59 | 6 | 20.77 | 20.36 |
| 16 CARTERET | 9 | 18.46 | 38 | 16.64 | 14.74 |
| 17 CASWELL | 3 | 13.36 | 22 | 20.31 | 20.46 |
| 18 CATAWBA | 20 | 17.76 | 74 | 13.51 | 16.53 |
| 19 CHATHAM | 2 | 5.65 | 23 | 13.26 | 11.65 |
| 20 CHEROKEE | 1 | 4.94 | 12 | 12.19 | 7.22 |
| 21 CHOWAN | 3 | 22.79 | 10 | 15.60 | 9.90 |
| 22 CLAY | 1 | 14.23 | 5 | 14.29 | 7.30 |
| 23 CLEVELAND | 16 | 18.56 | 87 | 20.63 | 20.33 |
| 24 COLUMBUS | 6 | 11.52 | 41 | 15.81 | 14.40 |
| 25 CRAVEN | 7 | 8.80 | 31 | 8.23 | 8.88 |
| 26 CUMBERLAND | 20 | 7.80 | 104 | 8.22 | 14.68 |
| 27 CURRITUCK | 3 | 23.26 | 9 | 14.68 | 14.38 |
| 28 DARE | 1 | 5.79 | 9 | 11.48 | 10.72 |
| 29 DAVIDSON | 15 | 12.66 | 82 | 14.16 | 16.88 |
| 30 DAVIE | 4 | 14.45 | 16 | 11.81 | 12.71 |
| 31 DUPLIN | 14 | 33.66 | 54 | 26.13 | 20.59 |
| 32 DURHAM | 20 | 12.37 | 111 | 14.04 | 12.48 |
| 33 EDGECOMBE | 4 | 6.84 | 45 | 15.73 | 14.20 |
| 34 FORSYTH | 41 | 15.85 | 166 | 13.15 | 12.69 |
| 35 FRANKLIN | 2 | 6.10 | 27 | 17.19 | 14.28 |
| 36 GASTON | 19 | 11.06 | 102 | 12.18 | 13.19 |
| 37 GATES | 2 | 21.31 | 4 | 8.73 | 6.06 |
| 38 GRAHAM | 0 | 0.00 | 4 | 11.24 | 31.35 |
| 39 GRANVILLE | 3 | 8.18 | 27 | 15.11 | 10.93 |
| 40 GREENE | 5 | 30.29 | 12 | 14.69 | 15.65 |
| 41 GUILFORD | 48 | 14.70 | 195 | 12.10 | 12.16 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
DIABETES MELLITUS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 15 | 26.80 | 60 | 21.54 | 16.78 |
| 43 HARNETT | 8 | 12.69 | 60 | 19.44 | 20.71 |
| 44 HAYWOOD | 8 | 16.69 | 21 | 8.89 | 5.75 |
| 45 HENDERSON | 14 | 21.15 | 33 | 10.41 | 8.22 |
| 46 HERTFORD | 5 | 20.89 | 27 | 22.74 | 14.14 |
| 47 HOKE | 2 | 8.88 | 25 | 22.69 | 21.40 |
| 48 HYDE | 0 | 0.00 | 5 | 16.78 | 12.57 |
| 49 IREDELL | 18 | 20.62 | 76 | 17.77 | 17.41 |
| 50 JACKSON | 1 | 3.70 | 13 | 9.67 | 16.13 |
| 51 JOHNSTON | 9 | 11.71 | 51 | 13.81 | 13.68 |
| 52 JONES | 3 | 30.70 | 5 | 10.23 | 6.98 |
| 53 LEE | 2 | 4.93 | 26 | 13.48 | 13.34 |
| 54 LENOIR | 3 | 4.96 | 34 | 11.27 | 9.92 |
| 55 LINCOLN | 8 | 17.52 | 35 | 15.93 | 21.39 |
| 56 MCDOWELL | 5 | 13.78 | 23 | 12.73 | 9.82 |
| 57 MACON | 4 | 17.33 | 12 | 10.81 | 5.92 |
| 58 MADISON | 2 | 11.63 | 15 | 17.41 | 39.74* |
| 59 MARTIN | 5 | 18.75 | 31 | 23.42 | 19.19 |
| 60 MECKLENBURG | 52 | 11.75 | 270 | 12.68 | 14.22 |
| 61 MITCHELL | 2 | 13.73 | 13 | 18.06 | 10.95 |
| 62 MONTGOMERY | 3 | 12.62 | 15 | 12.89 | 11.30 |
| 63 MOORE | 15 | 27.37 | 37 | 13.97 | 11.75 |
| 64 NASH | 15 | 21.18 | 48 | 13.79 | 13.15 |
| 65 NEW HANOVER | 14 | 12.49 | 56 | 10.29 | 10.21 |
| 66 NORTHAMPTON | 3 | 13.41 | 24 | 21.38 | 13.76 |
| 67 ONSLOW | 4 | 3.26 | 27 | 4.59 | 11.35 |
| 68 ORANGE | 3 | 3.63 | 37 | 9.27 | 11.79 |
| 69 PAMLICO | 3 | 27.33 | 8 | 14.94 | 9.10 |
| 70 PASQUOTANK | 6 | 20.43 | 24 | 16.67 | 13.58 |
| 71 PENDER | 1 | 4.09 | 11 | 9.41 | 6.43 |
| 72 PERQUIMANS | 0 | 0.00 | 3 | 6.10 | 4.35 |
| 73 PERSON | 3 | 9.91 | 19 | 12.70 | 10.29 |
| 74 PITT | 16 | 16.69 | 62 | 13.15 | 12.88 |
| 75 POLK | 4 | 27.80 | 15 | 21.48 | 11.69 |
| 76 RANDOLPH | 9 | 9.25 | 44 | 9.27 | 11.65 |
| 77 RICHMOND | 8 | 17.33 | 43 | 18.83 | 16.06 |
| 78 ROBESON | 21 | 19.80 | 111 | 21.23 | 23.98 |
| 79 ROCKINGHAM | 11 | 12.89 | 59 | 13.88 | 13.25 |
| 80 ROWAN | 19 | 18.36 | 106 | 20.87 | 19.03 |
| 81 RUTHERFORD | 11 | 19.31 | 30 | 10.77 | 10.84 |
| 82 SAMPSON | 8 | 15.89 | 41 | 16.37 | 13.52 |
| 83 SCOTLAND | 5 | 14.87 | 28 | 16.81 | 16.92 |
| 84 STANLY | 8 | 15.94 | 42 | 17.09 | 19.47 |
| 85 STOKES | 4 | 11.31 | 20 | 11.52 | 11.65 |
| 86 SURRY | 12 | 19.72 | 53 | 17.56 | 15.94 |
| 87 SWAIN | 1 | 9.34 | 14 | 26.45 | 24.69 |
| 88 TRANSYLVANIA | 3 | 11.72 | 17 | 13.79 | 16.50 * |
| 89 TYRRELL | 0 | 0.00 | 4 | 19.24 | 14.97 |
| 90 UNION | 11 | 14.08 | 39 | 10.41 | 12.54 |
| 91 VANCE | 6 | 15.65 | 41 | 21.86 | 17.47 |
| 92 WAKE | 50 | 14.13 | 176 | 10.73 | 13.70 |
| 93 WARREN | 1 | 6.09 | 17 | 20.80 | 15.53 |
| 94 WASHINGTON | 1 | 6.88 | 13 | 17.91 | 19.86 |
| 95 WATAUGA | 3 | 8.77 | 16 | 9.53 | 20.62 |
| 96 WAYNE | 20 | 20.27 | 75 | 15.30 | 15.92 |
| 97 WILKES | 4 | 6.57 | 36 | 11.99 | 14.05 |
| 98 WILSON | 16 | 24.86 | 60 | 18.75 | 19.23 |
| 99 YADKIN | 3 | 10.21 | 28 | 19.15 | 14.61 |
| 100 YANCEY | 3 | 19.26 | 12 | 15.70 | 10.45 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

TABLE 20

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

PNEUMONIA AND INFLUENZA

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 1767 | 28.25 | 7197 | 23.61 | 23.61 |
| REGIONS | | | | | |
| DHR I WESTERN | 630 | 29.39 | 2696 | 25.81 | 23.81 |
| DHR II N. CENTRAL | 406 | 30.79 | 1541 | 23.79 | 22.56 |
| DHR III S. CENTRAL | 318 | 21.72 | 1363 | 19.25 | 22.73 |
| DHR IV EASTERN | 413 | 31.08 | 1597 | 24.64 | 25.60 |
| HSA I WESTERN | 357 | 33.29 | 1529 | 29.11 | 24.45 |
| HSA II PIEDMONT | 354 | 30.41 | 1311 | 22.91 | 22.07 |
| HSA III S. PIEDMONT | 273 | 25.49 | 1167 | 22.47 | 23.17 |
| HSA IV CAPITAL | 225 | 24.86 | 960 | 22.22 | 23.95 |
| HSA V CARDINAL | 219 | 23.11 | 879 | 18.93 | 21.97 |
| HSA VI EASTERN | 339 | 30.97 | 1351 | 25.22 | 26.40 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 23 | 22.49 | 98 | 19.42 | 17.49 |
| 2 ALEXANDER | 9 | 33.81 | 24 | 18.36 | 18.77 |
| 3 ALLEGHANY | 9 | 92.86 | 32 | 65.33 | 38.08 |
| 4 ANSON | 11 | 41.92 | 70 | 53.97 | 46.12 |
| 5 ASHE | 5 | 21.34 | 21 | 18.19 | 10.04 |
| 6 AVERY | 10 | 66.68 | 25 | 33.58 | 28.96 |
| 7 BEAUFORT | 24 | 55.47 | 70 | 33.12 | 28.02 |
| 8 BERTIE | 9 | 42.17 | 33 | 30.93 | 26.11 |
| 9 BLADEN | 14 | 45.54 | 41 | 26.69 | 29.69 |
| 10 BRUNSWICK | 21 | 46.09 | 48 | 23.26 | 24.44 |
| 11 BUNCOMBE | 82 | 48.72 | 349 | 42.33 | 31.23 |
| 12 BURKE | 18 | 23.82 | 81 | 21.80 | 24.87 |
| 13 CABARRUS | 27 | 29.32 | 141 | 31.27 | 29.12 |
| 14 CALDWELL | 17 | 24.20 | 70 | 20.43 | 23.87 |
| 15 CAMDEN | 4 | 68.79 | 13 | 45.02 | 46.87 |
| 16 CARTERET | 14 | 28.72 | 55 | 24.09 | 21.20 |
| 17 CASWELL | 7 | 31.19 | 19 | 17.54 | 17.21 |
| 18 CATAWBA | 32 | 28.41 | 105 | 19.17 | 21.03 |
| 19 CHATHAM | 7 | 19.79 | 33 | 19.02 | 16.29 |
| 20 CHEROKEE | 6 | 29.69 | 26 | 26.41 | 13.44 |
| 21 CHOWAN | 10 | 75.99 | 33 | 51.51 | 39.97 |
| 22 CLAY | 4 | 56.93 | 13 | 37.16 | 19.39 |
| 23 CLEVELAND | 19 | 22.05 | 92 | 21.81 | 20.51 |
| 24 COLUMBUS | 14 | 26.88 | 72 | 27.77 | 26.99 |
| 25 CRAVEN | 11 | 13.84 | 64 | 16.99 | 24.63 |
| 26 CUMBERLAND | 30 | 11.71 | 116 | 9.17 | 20.08 |
| 27 CURRITUCK | 12 | 93.06 | 28 | 45.68 | 46.30 |
| 28 DARE | 7 | 40.59 | 21 | 26.79 | 27.44 |
| 29 DAVIDSON | 36 | 30.38 | 135 | 23.32 | 24.00 |
| 30 DAVIE | 6 | 21.67 | 20 | 14.77 | 16.52 |
| 31 DUPLIN | 18 | 43.28 | 45 | 21.77 | 18.15 |
| 32 DURHAM | 44 | 27.22 | 226 | 28.59 | 27.48 |
| 33 EDGECOMBE | 29 | 49.64 | 89 | 31.11 | 27.93 |
| 34 FORSYTH | 66 | 25.53 | 240 | 19.02 | 18.20 |
| 35 FRANKLIN | 10 | 30.50 | 36 | 22.92 | 20.64 |
| 36 GASTON | 38 | 22.12 | 175 | 20.91 | 22.95 |
| 37 GATES | 4 | 42.63 | 20 | 43.65 | 28.31 |
| 38 GRAHAM | 2 | 27.82 | 6 | 16.86 | 9.90 |
| 39 GRANVILLE | 19 | 51.82 | 66 | 36.95 | 34.42 |
| 40 GREENE | 1 | 6.05 | 16 | 19.58 | 17.24 |
| 41 GUILFORD | 111 | 33.99 | 387 | 24.01 | 23.45 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
PNEUMONIA AND INFLUENZA CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 16 | 28.59 | 73 | 26.21 | 20.89 |
| 43 HARNETT | 16 | 25.39 | 50 | 16.20 | 17.88 |
| 44 HAYWOOD | 24 | 50.09 | 75 | 31.75 | 21.29 |
| 45 HENDERSON | 22 | 33.23 | 105 | 33.13 | 16.78 |
| 46 HERTFORD | 6 | 25.07 | 26 | 21.90 | 16.88 |
| 47 HOKE | 6 | 26.66 | 28 | 25.41 | 30.07 |
| 48 HYDE | 2 | 33.50 | 15 | 50.34 | 38.76 |
| 49 IREDELL | 25 | 28.65 | 110 | 25.73 | 23.21 |
| 50 JACKSON | 6 | 22.24 | 53 | 39.46 | 33.91 |
| 51 JOHNSTON | 15 | 19.52 | 67 | 18.14 | 17.65 |
| 52 JONES | 1 | 10.23 | 9 | 18.41 | 20.52 |
| 53 LEE | 13 | 32.06 | 42 | 21.78 | 22.27 |
| 54 LENOIR | 16 | 26.45 | 82 | 27.19 | 27.76 |
| 55 LINCOLN | 14 | 30.67 | 40 | 18.21 | 20.44 |
| 56 MCDOWELL | 10 | 27.56 | 45 | 24.91 | 22.47 |
| 57 MACON | 7 | 30.33 | 44 | 39.65 | 28.56 |
| 58 MADISON | 9 | 52.35 | 37 | 42.94 | 29.35 |
| 59 MARTIN | 8 | 30.01 | 36 | 27.20 | 26.20 |
| 60 MECKLENBURG | 96 | 21.69 | 394 | 18.50 | 21.41 |
| 61 MITCHELL | 7 | 48.08 | 39 | 54.19 | 29.24 |
| 62 MONTGOMERY | 6 | 25.24 | 36 | 30.95 | 25.94 |
| 63 MOORE | 12 | 21.89 | 61 | 23.03 | 17.94 |
| 64 NASH | 28 | 39.55 | 102 | 29.31 | 27.84 |
| 65 NEW HANOVER | 28 | 24.99 | 98 | 18.02 | 19.02 |
| 66 NORTHAMPTON | 1 | 4.47 | 33 | 29.40 | 25.61 |
| 67 ONSLOW | 16 | 13.06 | 62 | 10.54 | 26.34 |
| 68 ORANGE | 18 | 21.82 | 78 | 19.54 | 25.77 |
| 69 PAMLICO | 8 | 72.88 | 26 | 48.56 | 38.44 |
| 70 PASQUOTANK | 11 | 37.47 | 48 | 33.35 | 30.26 |
| 71 PENDER | 11 | 45.03 | 28 | 23.97 | 18.77 |
| 72 PERQUIMANS | 3 | 29.13 | 11 | 22.39 | 14.18 |
| 73 PERSON | 4 | 13.22 | 28 | 18.72 | 17.19 |
| 74 PITT | 30 | 31.29 | 121 | 25.67 | 30.10 |
| 75 POLK | 5 | 34.75 | 25 | 35.80 | 23.62 |
| 76 RANDOLPH | 21 | 21.59 | 74 | 15.60 | 18.00 |
| 77 RICHMOND | 13 | 28.16 | 46 | 20.14 | 18.24 |
| 78 ROBESON | 15 | 14.14 | 103 | 19.70 | 24.33 |
| 79 ROCKINGHAM | 34 | 39.84 | 131 | 30.82 | 29.09 |
| 80 ROWAN | 39 | 37.70 | 185 | 36.43 | 28.14 |
| 81 RUTHERFORD | 19 | 33.36 | 85 | 30.53 | 24.49 |
| 82 SAMPSON | 16 | 31.78 | 56 | 22.36 | 20.55 |
| 83 SCOTLAND | 6 | 17.85 | 26 | 15.61 | 17.49 |
| 84 STANLY | 11 | 21.92 | 45 | 18.31 | 14.74 |
| 85 STOKES | 10 | 28.29 | 67 | 38.60 | 39.41 |
| 86 SURRY | 28 | 46.03 | 95 | 31.48 | 22.10 |
| 87 SWAIN | 1 | 9.34 | 21 | 39.67 | 25.84 |
| 88 TRANSYLVANIA | 9 | 35.18 | 31 | 25.15 | 23.08 |
| 89 TYRRELL | 1 | 24.23 | 5 | 24.05 | 22.79 |
| 90 UNION | 23 | 29.44 | 77 | 20.55 | 23.48 |
| 91 VANCE | 9 | 23.48 | 62 | 33.06 | 26.12 |
| 92 WAKE | 76 | 21.48 | 284 | 17.32 | 23.71 |
| 93 WARREN | 10 | 60.97 | 38 | 46.50 | 33.60 |
| 94 WASHINGTON | 6 | 41.29 | 15 | 20.66 | 25.60 |
| 95 WATAUGA | 5 | 14.63 | 25 | 14.89 | 10.38 |
| 96 WAYNE | 22 | 22.30 | 103 | 21.01 | 24.94 |
| 97 WILKES | 16 | 26.31 | 80 | 26.65 | 25.37 |
| 98 WILSON | 21 | 32.63 | 97 | 30.32 | 32.54 |
| 99 YADKIN | 12 | 40.86 | 45 | 30.79 | 24.21 |
| 100 YANCEY | 4 | 25.68 | 20 | 26.17 | 14.75 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# INFLUENZA AND PNEUMONIA

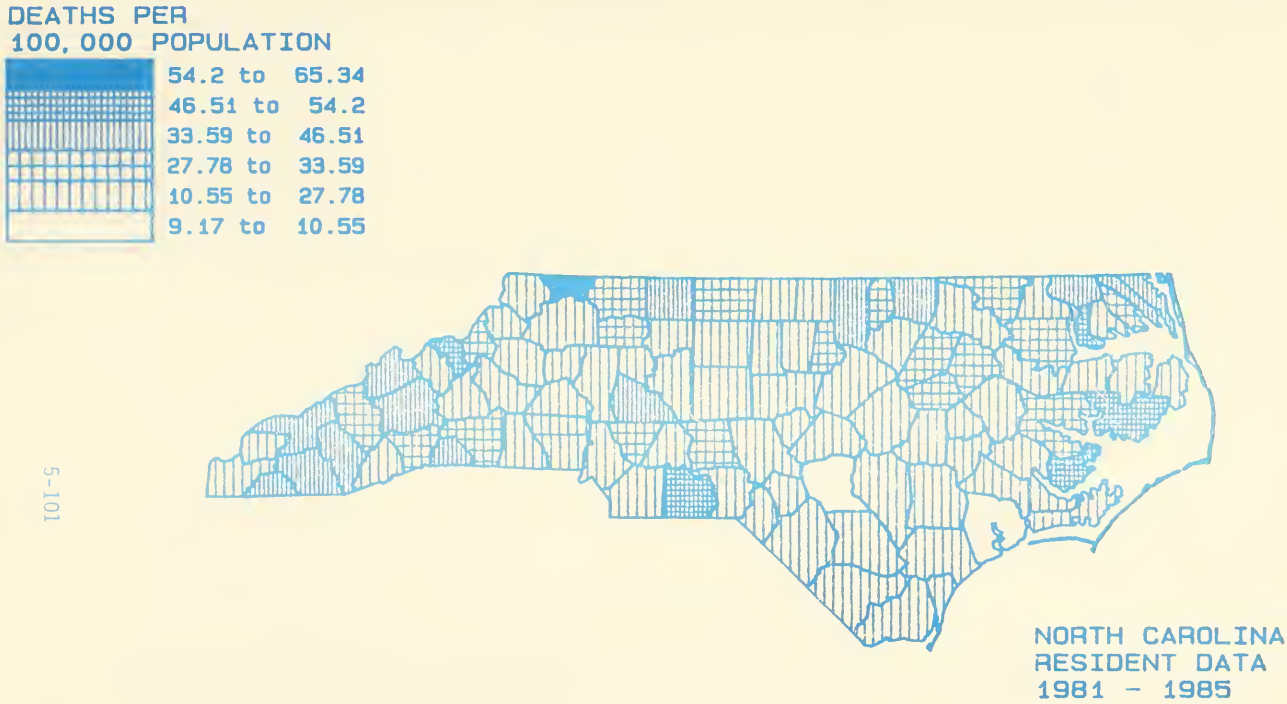



FIGURE 20.A

# INFLUENZA AND PNEUMONIA

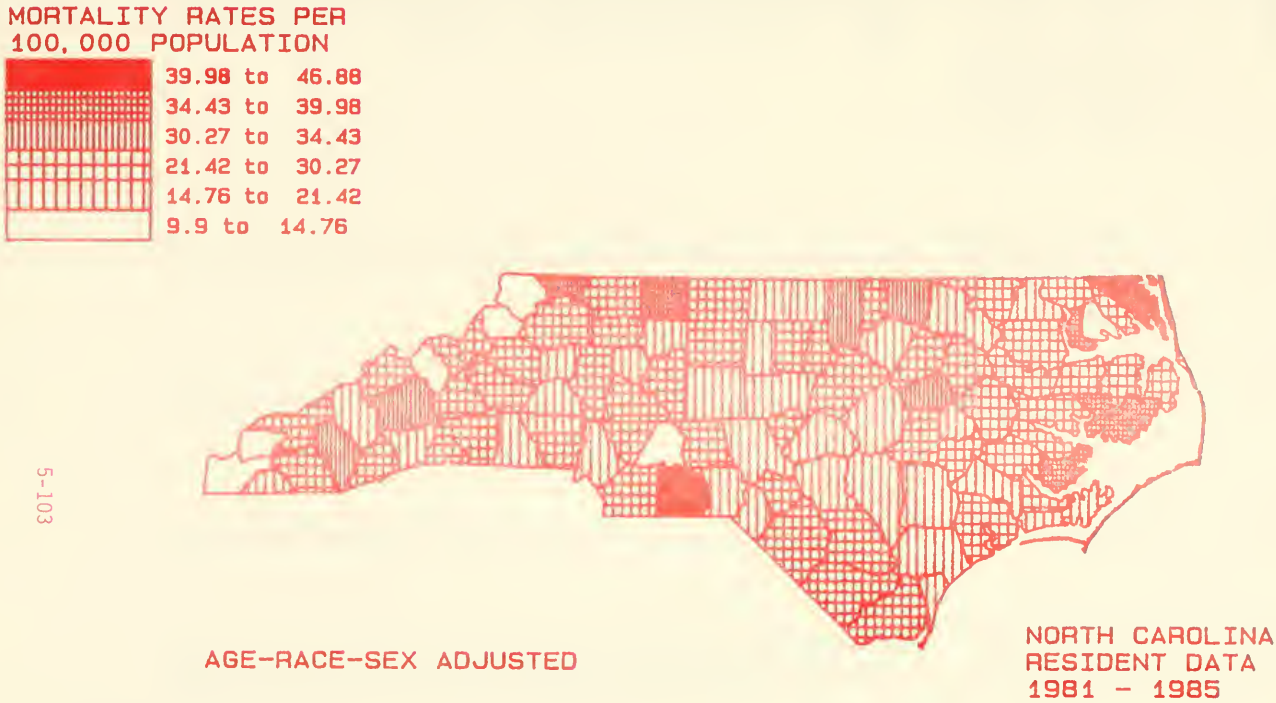



FIGURE 20.B

TABLE 21

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 1675 | 26.78 | 7319 | 24.01 | 24.01 |
| REGIONS | | | | | |
| DHR I WESTERN | 604 | 28.18 | 2625 | 25.13 | 22.51 |
| DHR II N. CENTRAL | 377 | 28.59 | 1646 | 25.41 | 24.09 |
| DHR III S. CENTRAL | 322 | 21.99 | 1484 | 20.96 | 25.82 |
| DHR IV EASTERN | 372 | 28.00 | 1564 | 24.13 | 26.45 |
| HSA I WESTERN | 344 | 32.08 | 1498 | 28.52 | 22.98 |
| HSA II PIEDMONT | 324 | 27.83 | 1457 | 25.46 | 24.29 |
| HSA III S. PIEDMONT | 260 | 24.27 | 1127 | 21.70 | 21.87 |
| HSA IV CAPITAL | 209 | 23.09 | 936 | 21.67 | 24.96 |
| HSA V CARDINAL | 218 | 23.01 | 1009 | 21.74 | 25.77 |
| HSA VI EASTERN | 320 | 29.24 | 1292 | 24.12 | 26.98 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 29 | 28.36 | 135 | 26.75 | 22.91 |
| 2 ALEXANDER | 2 | 7.51 | 19 | 14.54 | 19.31 |
| 3 ALLEGHANY | 5 | 51.58 | 18 | 36.74 | 20.16 |
| 4 ANSON | 2 | 7.62 | 16 | 12.33 | 12.72 |
| 5 ASHE | 11 | 46.96 | 50 | 43.32 | 25.65 |
| 6 AVERY | 6 | 40.01 | 33 | 44.33 | 45.83* |
| 7 BEAUFORT | 17 | 39.29 | 59 | 27.91 | 25.97 |
| 8 BERTIE | 6 | 28.11 | 21 | 19.68 | 18.54 |
| 9 BLADEN | 2 | 6.50 | 22 | 14.32 | 14.54 |
| 10 BRUNSWICK | 7 | 15.36 | 43 | 20.84 | 19.53 |
| 11 BUNCOMBE | 67 | 39.81 | 278 | 33.72 | 25.74 |
| 12 BURKE | 28 | 37.06 | 105 | 28.26 | 25.48 |
| 13 CABARRUS | 33 | 35.84 | 131 | 29.05 | 25.92 |
| 14 CALDWELL | 17 | 24.20 | 79 | 23.05 | 22.11 |
| 15 CAMDEN | 1 | 17.19 | 3 | 10.38 | 7.59 |
| 16 CARTERET | 17 | 34.88 | 69 | 30.22 | 25.90 |
| 17 CASWELL | 9 | 40.10 | 25 | 23.08 | 22.95 |
| 18 CATAWBA | 24 | 21.31 | 116 | 21.18 | 22.15 |
| 19 CHATHAM | 11 | 31.10 | 39 | 22.48 | 19.46 |
| 20 CHEROKEE | 9 | 44.53 | 20 | 20.32 | 18.47 |
| 21 CHOWAN | 9 | 68.39 | 20 | 31.21 | 26.72 |
| 22 CLAY | 5 | 71.16 | 16 | 45.74 | 24.98 |
| 23 CLEVELAND | 21 | 24.37 | 82 | 19.44 | 18.00 |
| 24 COLUMBUS | 13 | 24.96 | 53 | 20.44 | 21.03 |
| 25 CRAVEN | 23 | 28.93 | 81 | 21.51 | 30.56 |
| 26 CUMBERLAND | 46 | 17.96 | 183 | 14.47 | 30.47 |
| 27 CURRITUCK | 1 | 7.75 | 11 | 17.94 | 18.42 |
| 28 DARE | 1 | 5.79 | 16 | 20.41 | 20.94 |
| 29 DAVIDSON | 37 | 31.22 | 127 | 21.94 | 22.62 |
| 30 DAVIE | 4 | 14.45 | 34 | 25.11 | 22.32 |
| 31 DUPLIN | 15 | 36.06 | 59 | 28.55 | 26.81 |
| 32 DURHAM | 33 | 20.41 | 164 | 20.75 | 23.04 |
| 33 EDGECOMBE | 14 | 23.96 | 81 | 28.31 | 32.90 |
| 34 FORSYTH | 70 | 27.07 | 347 | 27.50 | 27.52 |
| 35 FRANKLIN | 8 | 24.40 | 28 | 17.82 | 16.58 |
| 36 GASTON | 39 | 22.70 | 179 | 21.38 | 20.53 |
| 37 GATES | 2 | 21.31 | 14 | 30.55 | 21.49 |
| 38 GRAHAM | 2 | 27.82 | 10 | 28.11 | 17.11 |
| 39 GRANVILLE | 16 | 43.64 | 49 | 27.43 | 29.23 |
| 40 GREENE | 6 | 36.35 | 24 | 29.38 | 34.57 |
| 41 GUILFORD | 104 | 31.85 | 395 | 24.51 | 24.66 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE PULMONARY DISEASES CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 22 | 39.31 | 85 | 30.52 | 29.92 |
| 43 HARNETT | 11 | 17.46 | 75 | 24.30 | 26.36 |
| 44 HAYWOOD | 25 | 52.18 | 92 | 38.94 | 23.37 |
| 45 HENDERSON | 25 | 37.77 | 102 | 32.19 | 21.16 |
| 46 HERTFORD | 9 | 37.61 | 32 | 26.95 | 27.84 |
| 47 HOKE | 5 | 22.21 | 23 | 20.87 | 32.63 |
| 48 HYDE | 3 | 50.25 | 5 | 16.78 | 15.97 |
| 49 IREDELL | 21 | 24.06 | 105 | 24.56 | 21.38 |
| 50 JACKSON | 8 | 29.66 | 35 | 26.06 | 24.59 |
| 51 JOHNSTON | 21 | 27.33 | 105 | 28.43 | 27.41 |
| 52 JONES | 5 | 51.17 | 15 | 30.69 | 31.74 |
| 53 LEE | 10 | 24.66 | 66 | 34.23 | 35.09 |
| 54 LENOIR | 19 | 31.41 | 78 | 25.86 | 28.20 |
| 55 LINCOLN | 15 | 32.86 | 42 | 19.12 | 19.68 |
| 56 MCDOWELL | 12 | 33.07 | 60 | 33.21 | 28.35 |
| 57 MACON | 11 | 47.67 | 36 | 32.44 | 15.26 |
| 58 MADISON | 1 | 5.81 | 23 | 26.69 | 37.46* |
| 59 MARTIN | 12 | 45.02 | 36 | 27.20 | 26.83 |
| 60 MECKLENBURG | 106 | 23.95 | 445 | 20.90 | 24.90 |
| 61 MITCHELL | 5 | 34.34 | 38 | 52.80 | 30.60 |
| 62 MONTGOMERY | 8 | 33.66 | 34 | 29.23 | 25.28 |
| 63 MOORE | 30 | 54.74 | 105 | 39.65 | 29.27 |
| 64 NASH | 30 | 42.37 | 116 | 33.33 | 35.25 |
| 65 NEW HANOVER | 28 | 24.99 | 143 | 26.29 | 27.76 |
| 66 NORTHAMPTON | 5 | 22.36 | 26 | 23.16 | 25.00 |
| 67 ONSLOW | 21 | 17.14 | 69 | 11.73 | 27.47 |
| 68 ORANGE | 13 | 15.76 | 59 | 14.78 | 19.65 |
| 69 PAMLICO | 0 | 0.00 | 7 | 13.07 | 10.71 |
| 70 PASQUOTANK | 2 | 6.81 | 25 | 17.37 | 16.86 |
| 71 PENDER | 4 | 16.37 | 33 | 28.25 | 27.49 |
| 72 PERQUIMANS | 2 | 19.42 | 8 | 16.28 | 12.37 |
| 73 PERSON | 8 | 26.44 | 27 | 18.05 | 17.18 |
| 74 PITT | 30 | 31.29 | 120 | 25.46 | 33.69 |
| 75 POLK | 4 | 27.80 | 25 | 35.80 | 23.51 |
| 76 RANDOLPH | 19 | 19.54 | 97 | 20.45 | 18.26 |
| 77 RICHMOND | 17 | 36.83 | 66 | 28.90 | 26.69 |
| 78 ROBESON | 25 | 23.57 | 111 | 21.23 | 30.19 |
| 79 ROCKINGHAM | 21 | 24.61 | 115 | 27.06 | 24.20 |
| 80 ROWAN | 23 | 22.23 | 118 | 23.23 | 17.90 |
| 81 RUTHERFORD | 19 | 33.36 | 86 | 30.89 | 22.84 |
| 82 SAMPSON | 15 | 29.79 | 70 | 27.95 | 25.97 |
| 83 SCOTLAND | 5 | 14.87 | 32 | 19.21 | 26.10 |
| 84 STANLY | 11 | 21.92 | 54 | 21.98 | 17.21 |
| 85 STOKES | 7 | 19.80 | 46 | 26.50 | 28.11 |
| 86 SURRY | 15 | 24.66 | 100 | 33.14 | 28.32 |
| 87 SWAIN | 7 | 65.42 | 22 | 41.56 | 33.42 |
| 88 TRANSYLVANIA | 5 | 19.54 | 24 | 19.47 | 13.03 |
| 89 TYRRELL | 0 | 0.00 | 4 | 19.24 | 14.99 |
| 90 UNION | 12 | 15.36 | 53 | 14.14 | 15.43 |
| 91 VANCE | 17 | 44.36 | 66 | 35.20 | 35.58 |
| 92 WAKE | 68 | 19.21 | 314 | 19.15 | 26.99 |
| 93 WARREN | 4 | 24.39 | 19 | 23.25 | 17.82 |
| 94 WASHINGTON | 6 | 41.29 | 15 | 20.66 | 23.17 |
| 95 WATAUGA | 2 | 5.85 | 24 | 14.30 | 11.94 |
| 96 WAYNE | 19 | 19.26 | 115 | 23.46 | 30.14 |
| 97 WILKES | 19 | 31.24 | 79 | 26.32 | 23.56 |
| 98 WILSON | 23 | 35.74 | 78 | 24.38 | 27.45 |
| 99 YADKIN | 9 | 30.64 | 36 | 24.63 | 18.81 |
| 100 YANCEY | 4 | 25.68 | 26 | 34.02 | 21.08 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CHRONIC OBSTRUCTIVE PULMONARY DISEASE

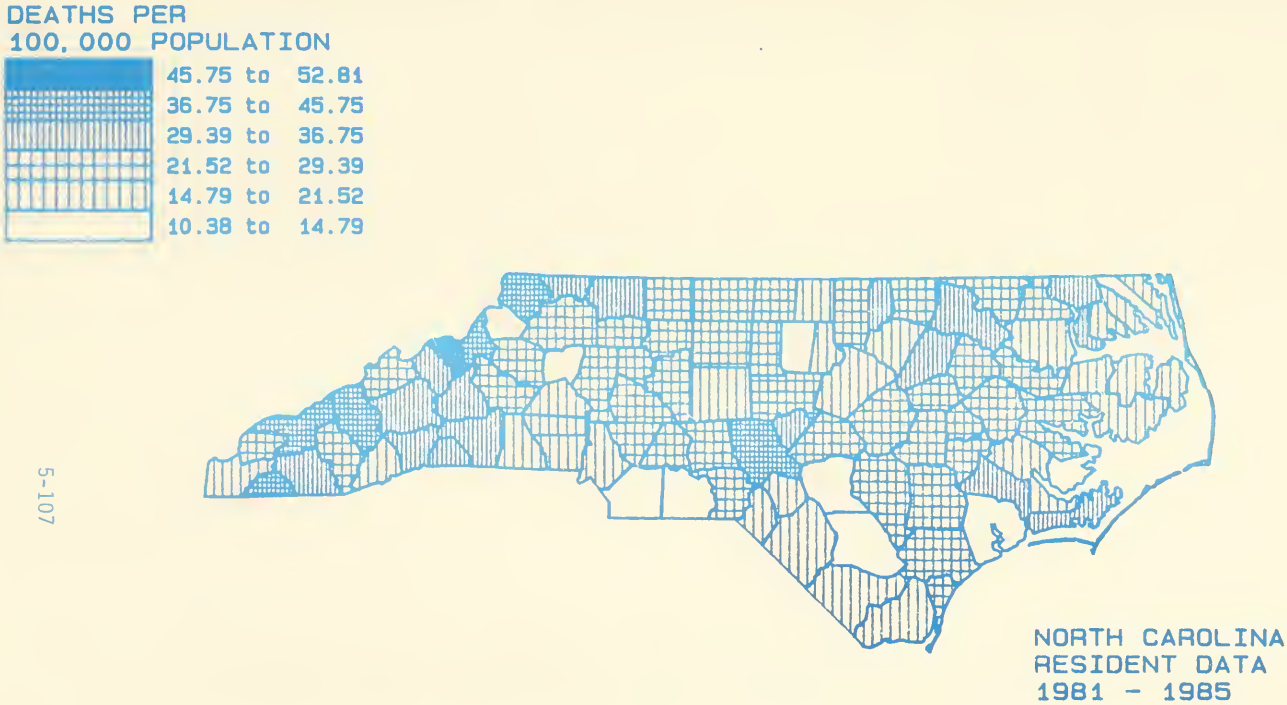
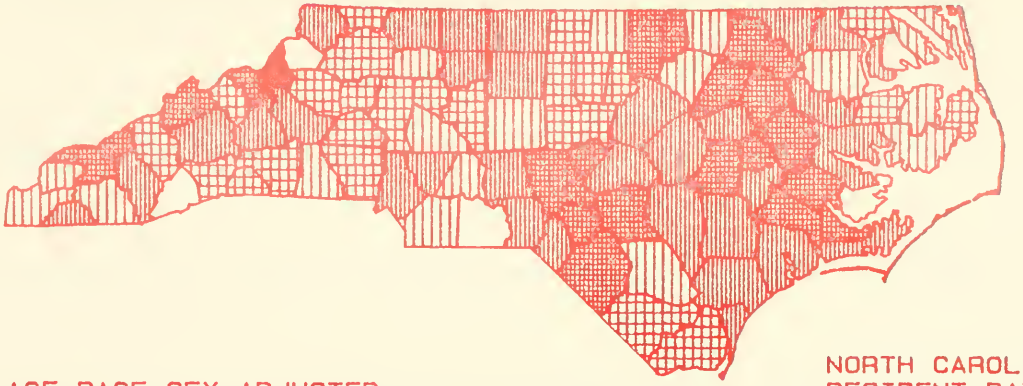



FIGURE 21.A

# CHRONIC OBSTRUCTIVE PULMONARY DISEASE

MORTALITY RATES PER
100,000 POPULATION

37.47 to 45.84
28.36 to 37.47
23.57 to 28.36
18.82 to 23.57
13.04 to 18.82
7.59 to 13.04



AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 21.B

TABLE 22

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

CHRONIC LIVER DISEASE AND CIRRHOSIS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 567 | 9.06 | 2979 | 9.77 | 9.77 |
| REGIONS | | | | | |
| DHR I WESTERN | 174 | 8.11 | 999 | 9.56 | 9.90 |
| DHR II N. CENTRAL | 119 | 9.02 | 635 | 9.80 | 9.38 |
| DHR III S. CENTRAL | 127 | 8.67 | 640 | 9.04 | 9.87 |
| DHR IV EASTERN | 147 | 11.06 | 705 | 10.87 | 11.08 |
| HSA I WESTERN | 74 | 6.90 | 489 | 9.31 | 9.69 |
| HSA II PIEDMONT | 103 | 8.84 | 550 | 9.61 | 9.35 |
| HSA III S. PIEDMONT | 100 | 9.33 | 510 | 9.82 | 10.05 |
| HSA IV CAPITAL | 73 | 8.06 | 396 | 9.16 | 9.64 |
| HSA V CARDINAL | 88 | 9.28 | 446 | 9.60 | 10.27 |
| HSA VI EASTERN | 129 | 11.78 | 568 | 10.98 | 11.37 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 7 | 6.84 | 45 | 8.91 | 7.56 |
| 2 ALEXANDER | 3 | 11.27 | 12 | 9.18 | 11.45 |
| 3 ALLEGHANY | 1 | 10.31 | 5 | 10.20 | 6.80 |
| 4 ANSON | 1 | 3.81 | 16 | 12.33 | 13.37 |
| 5 ASHE | 0 | 0.00 | 1 | 0.86 | 0.64 |
| 6 AVERY | 0 | 0.00 | 7 | 9.40 | 21.97 |
| 7 BEAUFORT | 10 | 23.11 | 32 | 15.14 | 14.33 |
| 8 BERTIE | 4 | 18.74 | 16 | 14.99 | 17.78 |
| 9 BLADEN | 1 | 3.25 | 5 | 3.25 | 4.16 |
| 10 BRUNSWICK | 2 | 4.39 | 14 | 6.78 | 6.47 |
| 11 BUNCOMBE | 12 | 7.13 | 89 | 10.79 | 10.55 |
| 12 BURKE | 10 | 13.23 | 37 | 9.96 | 12.38 |
| 13 CABARRUS | 11 | 11.94 | 36 | 7.98 | 8.32 |
| 14 CALDWELL | 2 | 2.84 | 31 | 9.04 | 8.07 |
| 15 CAMDEN | 1 | 17.19 | 2 | 6.92 | 6.96 |
| 16 CARTERET | 8 | 16.41 | 32 | 14.01 | 12.61 |
| 17 CASWELL | 2 | 8.91 | 10 | 9.23 | 9.74 |
| 18 CATAWBA | 4 | 3.55 | 57 | 10.40 | 10.77 |
| 19 CHATHAM | 0 | 0.00 | 13 | 7.49 | 6.65 |
| 20 CHEROKEE | 5 | 24.74 | 14 | 14.22 | 9.90 |
| 21 CHOWAN | 0 | 0.00 | 7 | 10.92 | 8.79 |
| 22 CLAY | 1 | 14.23 | 3 | 8.57 | 6.19 |
| 23 CLEVELAND | 4 | 4.64 | 40 | 9.48 | 9.10 |
| 24 COLUMBUS | 5 | 9.60 | 17 | 6.55 | 6.33 |
| 25 CRAVEN | 7 | 8.80 | 37 | 9.82 | 12.45 |
| 26 CUMBERLAND | 24 | 9.37 | 98 | 7.75 | 11.51 |
| 27 CURRITUCK | 0 | 0.00 | 6 | 9.78 | 8.34 |
| 28 DARE | 3 | 17.39 | 6 | 7.65 | 5.17 |
| 29 DAVIDSON | 10 | 8.44 | 38 | 6.56 | 6.77 |
| 30 DAVIE | 2 | 7.22 | 11 | 8.12 | 6.73 |
| 31 DUPLIN | 5 | 12.02 | 17 | 8.22 | 6.94 |
| 32 DURHAM | 15 | 9.28 | 77 | 9.74 | 10.04 |
| 33 EDGECOMBE | 8 | 13.69 | 40 | 13.98 | 13.94 |
| 34 FORSYTH | 35 | 13.53 | 157 | 12.44 | 11.81 |
| 35 FRANKLIN | 5 | 15.25 | 24 | 15.28 | 15.43 |
| 36 GASTON | 20 | 11.64 | 100 | 11.94 | 12.10 |
| 37 GATES | 1 | 10.65 | 4 | 8.73 | 11.23 |
| 38 GRAHAM | 1 | 13.91 | 4 | 11.24 | 8.48 |
| 39 GRANVILLE | 1 | 2.72 | 11 | 6.15 | 6.16 |
| 40 GREENE | 1 | 6.05 | 5 | 6.12 | 7.19 |
| 41 GUILFORD | 24 | 7.35 | 148 | 9.18 | 8.96 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CHRONIC LIVER DISEASE AND CIRRHOSIS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 6 | 10.72 | 36 | 12.92 | 11.20 |
| 43 HARNETT | 3 | 4.76 | 33 | 10.69 | 11.35 |
| 44 HAYWOOD | 2 | 4.17 | 24 | 10.16 | 7.04 |
| 45 HENDERSON | 4 | 6.04 | 34 | 10.73 | 11.14 |
| 46 HERTFORD | 5 | 20.89 | 16 | 13.47 | 16.22 |
| 47 HOKE | 0 | 0.00 | 11 | 9.98 | 14.08 |
| 48 HYDE | 0 | 0.00 | 1 | 3.35 | 4.25 |
| 49 IREDELL | 10 | 11.46 | 50 | 11.69 | 11.35 |
| 50 JACKSON | 2 | 7.41 | 11 | 8.19 | 11.77 |
| 51 JOHNSTON | 8 | 10.41 | 36 | 9.74 | 9.64 |
| 52 JONES | 0 | 0.00 | 2 | 4.09 | 4.06 |
| 53 LEE | 7 | 17.26 | 30 | 15.55 | 15.41 |
| 54 LENOIR | 10 | 16.53 | 44 | 14.59 | 13.71 |
| 55 LINCOLN | 1 | 2.19 | 18 | 8.19 | 8.34 |
| 56 MCDOWELL | 3 | 8.26 | 10 | 5.53 | 4.14 |
| 57 MACON | 1 | 4.33 | 7 | 6.30 | 3.11 |
| 58 MADISON | 1 | 5.81 | 5 | 5.80 | 4.51 |
| 59 MARTIN | 4 | 15.00 | 18 | 13.60 | 12.38 |
| 60 MECKLENBURG | 42 | 9.49 | 213 | 10.00 | 10.20 |
| 61 MITCHELL | 3 | 20.60 | 9 | 12.50 | 8.85 |
| 62 MONTGOMERY | 0 | 0.00 | 7 | 6.01 | 5.57 |
| 63 MOORE | 10 | 18.24 | 50 | 18.88 | 16.63 |
| 64 NASH | 6 | 8.47 | 43 | 12.35 | 12.17 |
| 65 NEW HANOVER | 9 | 8.03 | 67 | 12.32 | 12.39 |
| 66 NORTHAMPTON | 2 | 8.94 | 11 | 9.80 | 7.14 |
| 67 ONSLOW | 7 | 5.71 | 37 | 6.29 | 11.72 |
| 68 ORANGE | 4 | 4.85 | 21 | 5.26 | 7.01 |
| 69 PAMLICO | 3 | 27.33 | 11 | 20.54 | 15.16 |
| 70 PASQUOTANK | 4 | 13.62 | 12 | 8.33 | 7.73 |
| 71 PENDER | 2 | 8.18 | 19 | 16.26 | 14.77 |
| 72 PERQUIMANS | 2 | 19.42 | 5 | 10.17 | 11.33 |
| 73 PERSON | 4 | 13.22 | 16 | 10.70 | 9.38 |
| 74 PITT | 8 | 8.34 | 35 | 7.42 | 8.47 |
| 75 POLK | 1 | 6.95 | 8 | 11.45 | 13.21 |
| 76 RANDOLPH | 8 | 8.22 | 39 | 8.22 | 10.15 |
| 77 RICHMOND | 9 | 19.50 | 21 | 9.19 | 8.36 |
| 78 ROBESON | 11 | 10.37 | 40 | 7.65 | 7.48 |
| 79 ROCKINGHAM | 6 | 7.03 | 49 | 11.53 | 10.78 |
| 80 ROWAN | 8 | 7.73 | 55 | 10.83 | 10.72 |
| 81 RUTHERFORD | 5 | 8.78 | 26 | 9.34 | 9.11 |
| 82 SAMPSON | 4 | 7.94 | 23 | 9.18 | 9.27 |
| 83 SCOTLAND | 7 | 20.83 | 25 | 15.01 | 14.93 |
| 84 STANLY | 5 | 9.96 | 19 | 7.73 | 8.18 |
| 85 STOKES | 0 | 0.00 | 12 | 6.91 | 8.00 |
| 86 SURRY | 5 | 8.22 | 27 | 8.94 | 8.83 |
| 87 SWAIN | 0 | 0.00 | 5 | 9.44 | 8.75 |
| 88 TRANSYLVANIA | 0 | 0.00 | 7 | 5.67 | 7.08 |
| 89 TYRRELL | 0 | 0.00 | 2 | 9.62 | 9.00 |
| 90 UNION | 3 | 3.84 | 19 | 5.07 | 5.82 |
| 91 VANCE | 6 | 15.65 | 26 | 13.86 | 12.24 |
| 92 WAKE | 23 | 6.50 | 134 | 8.17 | 9.72 |
| 93 WARREN | 0 | 0.00 | 8 | 9.79 | 8.68 |
| 94 WASHINGTON | 2 | 13.76 | 7 | 9.64 | 10.94 |
| 95 WATAUGA | 2 | 5.85 | 10 | 5.95 | 5.78 |
| 96 WAYNE | 14 | 14.19 | 62 | 12.64 | 12.87 |
| 97 WILKES | 4 | 6.57 | 22 | 7.33 | 8.81 |
| 98 WILSON | 8 | 12.43 | 42 | 13.13 | 12.15 |
| 99 YADKIN | 4 | 13.62 | 14 | 9.57 | 12.45 |
| 100 YANCEY | 3 | 19.26 | 11 | 14.39 | 18.56 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# CHRONIC LIVER DISEASE AND CIRRHOSIS

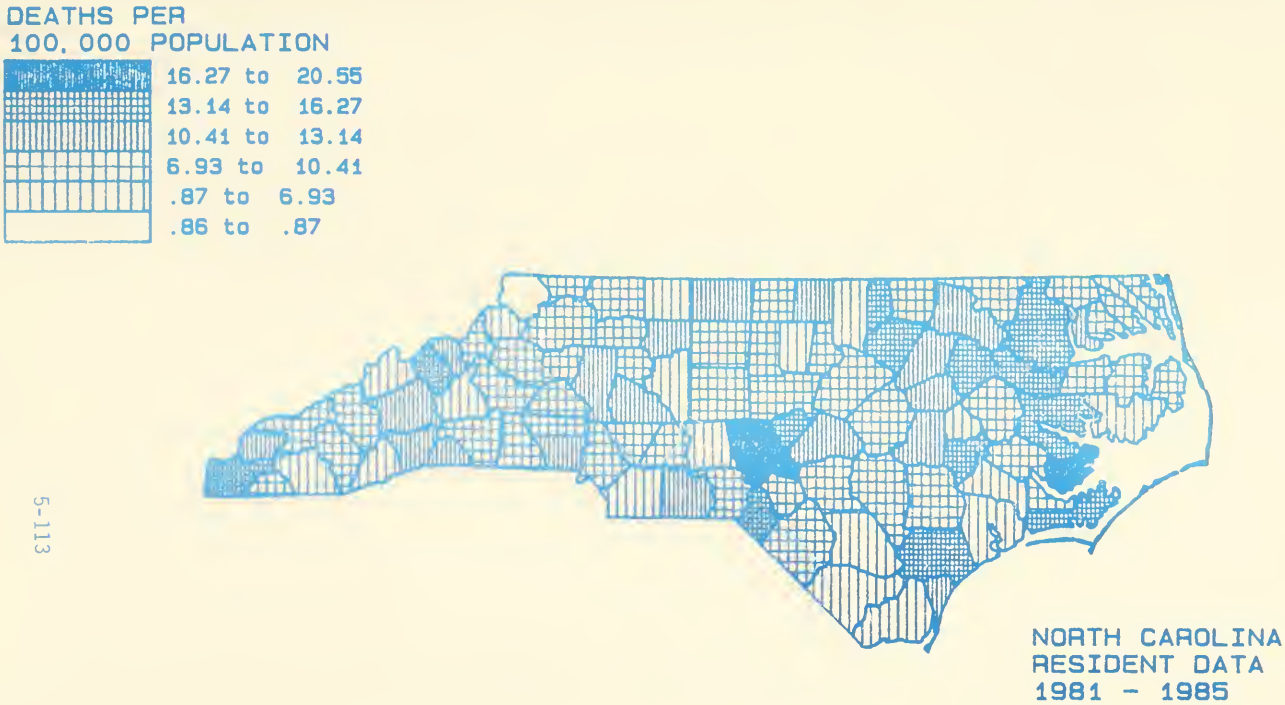



FIGURE 22.A

# CHRONIC LIVER DISEASE AND CIRRHOSIS

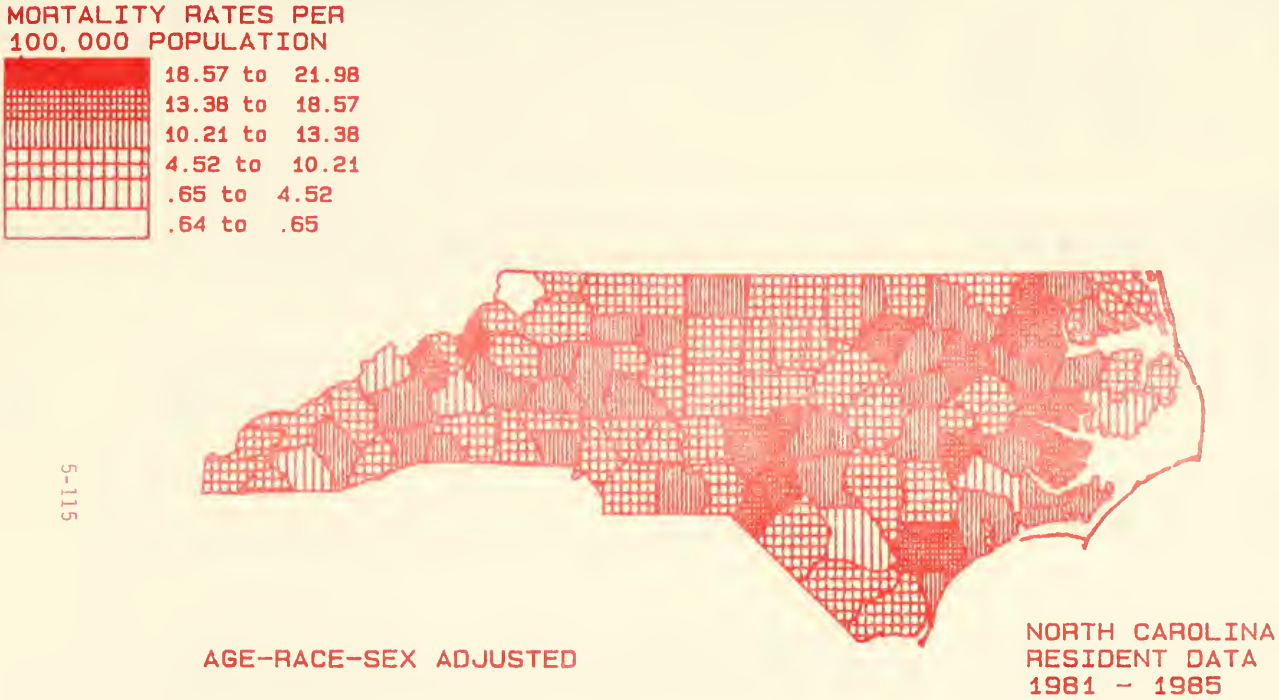



FIGURE 22.B

TABLE 23

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 619 | 9.89 | 2727 | 8.94 | 8.94 |
| REGIONS | | | | | |
| DHR I WESTERN | 208 | 9.70 | 923 | 8.83 | 9.22 |
| DHR II N. CENTRAL | 125 | 9.48 | 560 | 8.64 | 8.42 |
| DHR III S. CENTRAL | 142 | 9.70 | 591 | 8.34 | 8.96 |
| DHR IV EASTERN | 144 | 10.83 | 653 | 10.07 | 9.21 |
| HSA I WESTERN | 106 | 9.88 | 434 | 8.26 | 8.00 |
| HSA II PIEDMONT | 107 | 9.19 | 456 | 7.97 | 8.08 |
| HSA III S. PIEDMONT | 102 | 9.52 | 489 | 9.41 | 10.22 |
| HSA IV CAPITAL | 92 | 10.16 | 389 | 9.00 | 8.94 |
| HSA V CARDINAL | 97 | 10.23 | 410 | 8.83 | 9.00 |
| HSA VI EASTERN | 115 | 10.50 | 549 | 10.25 | 9.32 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 8 | 7.82 | 38 | 7.53 | 6.79 |
| 2 ALEXANDER | 0 | 0.00 | 8 | 6.12 | 7.51 |
| 3 ALLEGHANY | 2 | 20.63 | 8 | 16.33 | 9.71 |
| 4 ANSON | 2 | 7.62 | 19 | 14.65 | 10.47 |
| 5 ASHE | 5 | 21.34 | 13 | 11.26 | 6.38 |
| 6 AVERY | 0 | 0.00 | 6 | 8.06 | 6.69 |
| 7 BEAUFORT | 3 | 6.93 | 19 | 8.99 | 6.38 |
| 8 BERTIE | 4 | 18.74 | 22 | 20.62 | 15.65 |
| 9 BLADEN | 3 | 9.75 | 27 | 17.57 | 14.69 |
| 10 BRUNSWICK | 5 | 10.97 | 11 | 5.33 | 5.35 |
| 11 BUNCOMBE | 12 | 7.13 | 55 | 6.67 | 5.28 |
| 12 BURKE | 5 | 6.61 | 27 | 7.26 | 7.64 |
| 13 CABARRUS | 7 | 7.60 | 46 | 10.20 | 10.55 |
| 14 CALDWELL | 4 | 5.69 | 31 | 9.04 | 12.74 |
| 15 CAMDEN | 1 | 17.19 | 6 | 20.77 | 15.99 |
| 16 CARTERET | 6 | 12.31 | 19 | 8.32 | 7.90 |
| 17 CASWELL | 3 | 13.36 | 9 | 8.31 | 7.19 |
| 18 CATAWBA | 10 | 8.88 | 33 | 6.02 | 8.03 |
| 19 CHATHAM | 6 | 16.96 | 17 | 9.80 | 8.36 |
| 20 CHEROKEE | 2 | 9.89 | 7 | 7.11 | 3.85 |
| 21 CHOWAN | 0 | 0.00 | 10 | 15.60 | 9.23 |
| 22 CLAY | 1 | 14.23 | 4 | 11.43 | 5.45 |
| 23 CLEVELAND | 9 | 10.44 | 36 | 8.53 | 8.43 |
| 24 COLUMBUS | 11 | 21.12 | 33 | 12.73 | 11.08 |
| 25 CRAVEN | 10 | 12.58 | 36 | 9.56 | 12.07 |
| 26 CUMBERLAND | 16 | 6.24 | 56 | 4.43 | 8.07 |
| 27 CURRITUCK | 0 | 0.00 | 2 | 3.26 | 3.62 |
| 28 DARE | 1 | 5.79 | 4 | 5.10 | 7.74 |
| 29 DAVIDSON | 15 | 12.66 | 65 | 11.22 | 13.12 |
| 30 DAVIE | 1 | 3.61 | 9 | 6.64 | 5.80 |
| 31 DUPLIN | 9 | 21.64 | 27 | 13.06 | 10.21 |
| 32 DURHAM | 21 | 12.99 | 91 | 11.51 | 9.92 |
| 33 EDGECOMBE | 9 | 15.40 | 33 | 11.53 | 8.72 |
| 34 FORSYTH | 30 | 11.60 | 109 | 8.63 | 8.29 |
| 35 FRANKLIN | 2 | 6.10 | 21 | 13.37 | 9.05 |
| 36 GASTON | 19 | 11.06 | 79 | 9.43 | 11.74 |
| 37 GATES | 2 | 21.31 | 6 | 13.09 | 7.93 |
| 38 GRAHAM | 3 | 41.73 | 3 | 8.43 | 5.62 |
| 39 GRANVILLE | 6 | 16.36 | 31 | 17.35 | 12.87 |
| 40 GREENE | 2 | 12.11 | 2 | 2.44 | 2.69 |
| 41 GUILFORD | 21 | 6.43 | 104 | 6.45 | 6.59 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 5 | 8.93 | 35 | 12.56 | 9.24 |
| 43 HARNETT | 8 | 12.69 | 32 | 10.36 | 10.93 |
| 44 HAYWOOD | 4 | 8.34 | 22 | 9.31 | 5.93 |
| 45 HENDERSON | 7 | 10.57 | 24 | 7.57 | 3.81 |
| 46 HERTFORD | 3 | 12.53 | 16 | 13.47 | 8.07 |
| 47 HOKE | 1 | 4.44 | 7 | 6.35 | 4.49 |
| 48 HYDE | 2 | 33.50 | 7 | 23.49 | 18.50 |
| 49 IREDELL | 16 | 18.33 | 45 | 10.52 | 10.78 |
| 50 JACKSON | 6 | 22.24 | 13 | 9.67 | 14.94 |
| 51 JOHNSTON | 6 | 7.81 | 36 | 9.74 | 9.65 |
| 52 JONES | 1 | 10.23 | 6 | 12.27 | 13.96 |
| 53 LEE | 15 | 36.99 | 33 | 17.11 | 17.27 |
| 54 LENOIR | 7 | 11.57 | 32 | 10.61 | 8.36 |
| 55 LINCOLN | 5 | 10.95 | 19 | 8.65 | 10.75 |
| 56 MCDOWELL | 3 | 8.26 | 17 | 9.41 | 9.09 |
| 57 MACON | 2 | 8.66 | 12 | 10.81 | 5.03 |
| 58 MADISON | 2 | 11.63 | 8 | 9.28 | 5.74 |
| 59 MARTIN | 9 | 33.76 | 18 | 13.60 | 9.56 |
| 60 MECKLENBURG | 34 | 7.68 | 171 | 8.03 | 9.16 |
| 61 MITCHELL | 3 | 20.60 | 6 | 8.33 | 4.56 |
| 62 MONTGOMERY | 4 | 16.83 | 16 | 13.75 | 11.58 |
| 63 MOORE | 8 | 14.59 | 22 | 8.30 | 6.32 |
| 64 NASH | 6 | 8.47 | 45 | 12.93 | 11.17 |
| 65 NEW HANOVER | 12 | 10.71 | 52 | 9.56 | 9.71 |
| 66 NORTHAMPTON | 2 | 8.94 | 17 | 15.14 | 9.66 |
| 67 ONSLOW | 8 | 6.53 | 33 | 5.61 | 13.49 |
| 68 ORANGE | 5 | 6.06 | 24 | 6.01 | 7.23 |
| 69 PAMLICO | 1 | 9.11 | 3 | 5.60 | 5.10 |
| 70 PASQUOTANK | 2 | 6.81 | 17 | 11.81 | 9.39 |
| 71 PENDER | 1 | 4.09 | 8 | 6.84 | 5.08 |
| 72 PERQUIMANS | 3 | 29.13 | 9 | 18.32 | 9.57 |
| 73 PERSON | 4 | 13.22 | 12 | 8.02 | 6.91 |
| 74 PITT | 5 | 5.21 | 33 | 7.00 | 6.27 |
| 75 POLK | 3 | 20.85 | 10 | 14.32 | 7.63 |
| 76 RANDOLPH | 10 | 10.28 | 38 | 8.01 | 11.51 |
| 77 RICHMOND | 8 | 17.33 | 36 | 15.76 | 13.35 |
| 78 ROBESON | 11 | 10.37 | 52 | 9.94 | 7.72 |
| 79 ROCKINGHAM | 7 | 8.20 | 34 | 8.00 | 7.40 |
| 80 ROWAN | 12 | 11.60 | 53 | 10.43 | 8.72 |
| 81 RUTHERFORD | 7 | 12.29 | 33 | 11.85 | 10.68 |
| 82 SAMPSON | 4 | 7.94 | 23 | 9.18 | 7.52 |
| 83 SCOTLAND | 3 | 8.92 | 16 | 9.60 | 9.08 |
| 84 STANLY | 3 | 5.97 | 27 | 10.99 | 11.24 |
| 85 STOKES | 2 | 5.65 | 15 | 8.64 | 10.25 |
| 86 SURRY | 7 | 11.50 | 23 | 7.62 | 6.44 |
| 87 SWAIN | 2 | 18.69 | 9 | 17.00 | 12.28 |
| 88 TRANSYLVANIA | 4 | 15.63 | 7 | 5.67 | 6.74 |
| 89 TYRRELL | 0 | 0.00 | 1 | 4.81 | 7.90 |
| 90 UNION | 6 | 7.68 | 49 | 13.08 | 15.94 |
| 91 VANCE | 4 | 10.43 | 20 | 10.66 | 7.20 |
| 92 WAKE | 21 | 5.93 | 84 | 5.12 | 6.74 |
| 93 WARREN | 2 | 12.19 | 20 | 24.47 | 9.63 |
| 94 WASHINGTON | 1 | 6.88 | 7 | 9.64 | 7.07 |
| 95 WATAUGA | 2 | 5.85 | 9 | 5.36 | 4.18 |
| 96 WAYNE | 8 | 8.11 | 53 | 10.81 | 11.25 |
| 97 WILKES | 8 | 13.15 | 30 | 9.99 | 10.37 |
| 98 WILSON | 5 | 7.77 | 31 | 9.69 | 9.02 |
| 99 YADKIN | 3 | 10.21 | 12 | 8.21 | 10.39 |
| 100 YANCEY | 0 | 0.00 | 3 | 3.92 | 2.81 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS

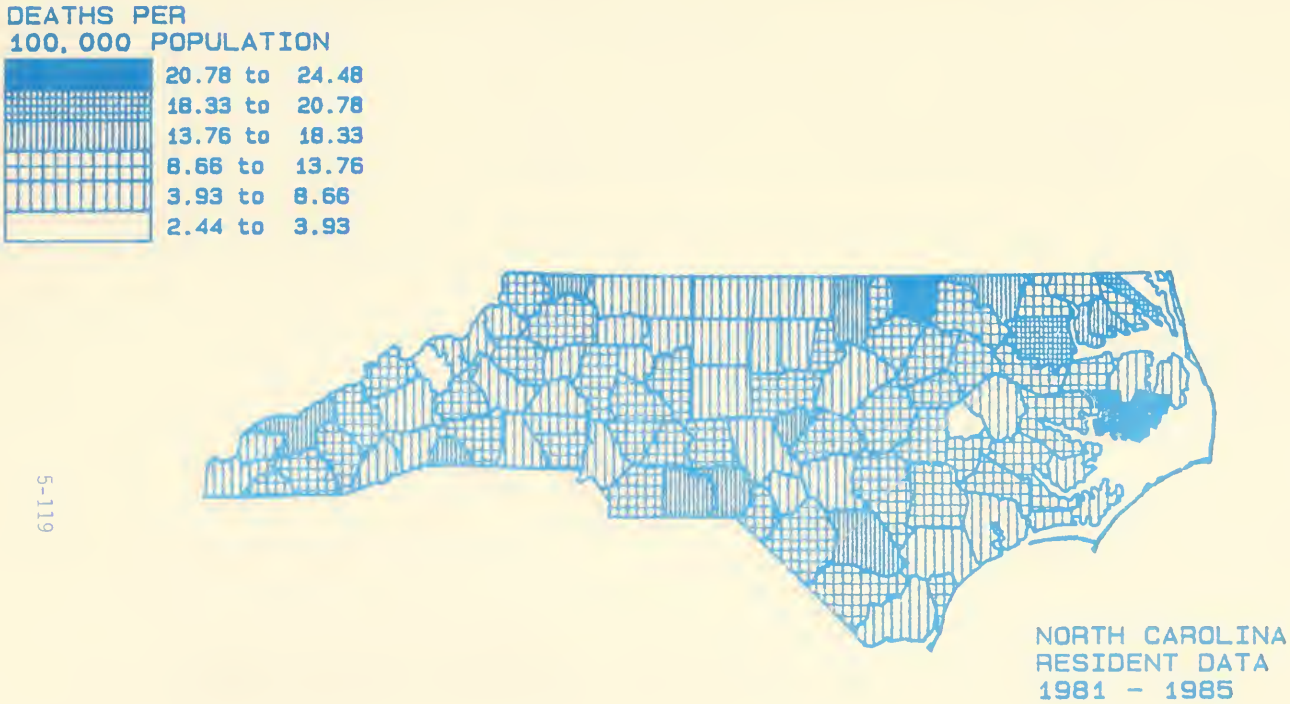
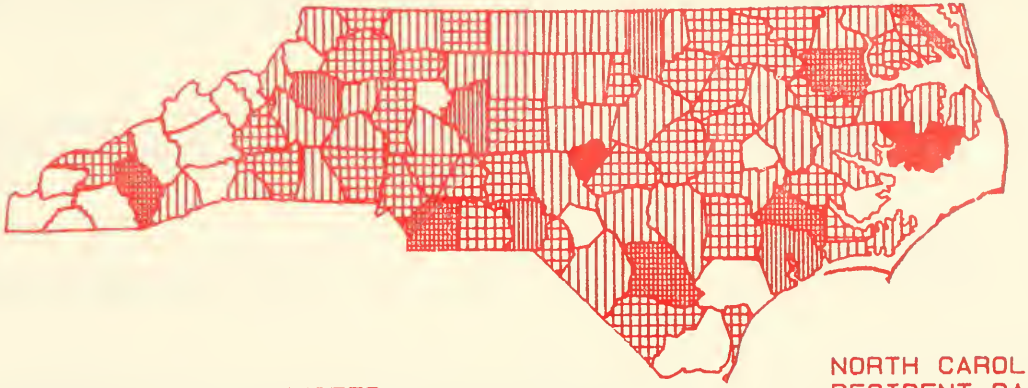



FIGURE 23.A

# NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS

MORTALITY RATES PER
100,000 POPULATION

16 to 18.51
13.5 to 16
12.29 to 13.5
8.73 to 12.29
5.94 to 8.73
2.69 to 5.94



AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 23.B

TABLE 24

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

MOTOR VEHICLE ACCIDENTS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | AOJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 1513 | 24.19 | 7164 | 23.50 | 23.50 |
| REGIONS | | | | | |
| DHR I WESTERN | 458 | 21.36 | 2269 | 21.72 | 22.02 |
| DHR II N. CENTRAL | 312 | 23.66 | 1431 | 22.09 | 22.47 |
| DHR III S. CENTRAL | 381 | 26.02 | 1758 | 24.83 | 24.19 |
| DHR IV EASTERN | 362 | 27.25 | 1706 | 26.32 | 25.88 |
| HSA I WESTERN | 244 | 22.75 | 1185 | 22.56 | 23.26 |
| HSA II PIEDMONT | 264 | 22.68 | 1211 | 21.16 | 21.49 |
| HSA III S. PIEDMONT | 214 | 19.98 | 1084 | 20.87 | 21.30 |
| HSA IV CAPITAL | 202 | 22.31 | 943 | 21.83 | 21.32 |
| HSA V CARDINAL | 289 | 30.50 | 1348 | 29.04 | 28.92 |
| HSA VI EASTERN | 300 | 27.41 | 1393 | 26.01 | 25.36 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 24 | 23.47 | 104 | 20.61 | 21.34 |
| 2 ALEXANDER | 13 | 48.83 | 43 | 32.91 | 35.39 |
| 3 ALLEGHANY | 0 | 0.00 | 15 | 30.62 | 57.45 |
| 4 ANSON | 5 | 19.05 | 32 | 24.67 | 23.06 |
| 5 ASHE | 2 | 8.53 | 20 | 17.33 | 13.55 |
| 6 AVERY | 2 | 13.33 | 14 | 18.80 | 14.51 |
| 7 BEAUFORT | 9 | 20.80 | 47 | 22.23 | 24.29 |
| 8 BERTIE | 8 | 37.48 | 45 | 42.18 | 45.07 |
| 9 BLADEN | 6 | 19.51 | 42 | 27.34 | 26.83 |
| 10 BRUNSWICK | 15 | 32.92 | 78 | 37.80 | 38.42 |
| 11 BUNCOMBE | 23 | 13.66 | 146 | 17.71 | 18.77 |
| 12 BURKE | 21 | 27.79 | 81 | 21.80 | 20.21 |
| 13 CABARRUS | 24 | 26.06 | 107 | 23.73 | 24.02 |
| 14 CALDWELL | 18 | 25.62 | 80 | 23.34 | 26.11 |
| 15 CAMDEN | 2 | 34.39 | 7 | 24.24 | 23.36 |
| 16 CARTERET | 5 | 10.25 | 44 | 19.27 | 20.83 |
| 17 CASWELL | 8 | 35.64 | 39 | 36.01 | 30.20 |
| 18 CATAWBA | 31 | 27.53 | 149 | 27.20 | 27.42 |
| 19 CHATHAM | 11 | 31.10 | 51 | 29.40 | 28.18 |
| 20 CHEROKEE | 4 | 19.79 | 15 | 15.24 | 12.42 |
| 21 CHOWAN | 5 | 37.99 | 21 | 32.77 | 35.72 |
| 22 CLAY | 3 | 42.69 | 7 | 20.01 | 15.27 |
| 23 CLEVELAND | 18 | 20.89 | 120 | 28.45 | 29.35 |
| 24 COLUMBUS | 20 | 38.40 | 104 | 40.12 | 41.76 |
| 25 CRAVEN | 19 | 23.90 | 85 | 22.57 | 22.49 |
| 26 CUMBERLAND | 84 | 32.80 | 331 | 26.18 | 25.19 |
| 27 CURRITUCK | 3 | 23.26 | 13 | 21.21 | 21.22 |
| 28 DARE | 3 | 17.39 | 24 | 30.62 | 30.88 |
| 29 DAVIDSON | 35 | 29.54 | 142 | 24.53 | 23.58 |
| 30 DAVIE | 12 | 43.35 | 27 | 19.94 | 20.77 |
| 31 DUPLIN | 14 | 33.66 | 73 | 35.32 | 39.11 |
| 32 DURHAM | 25 | 15.46 | 115 | 14.55 | 13.91 |
| 33 EDGECOMBE | 16 | 27.39 | 82 | 28.66 | 31.10 |
| 34 FORSYTH | 29 | 11.21 | 208 | 16.48 | 16.81 |
| 35 FRANKLIN | 9 | 27.45 | 58 | 36.92 | 34.16 |
| 36 GASTON | 33 | 19.21 | 169 | 20.19 | 21.85 |
| 37 GATES | 4 | 42.63 | 19 | 41.46 | 40.66 |
| 38 GRAHAM | 3 | 41.73 | 8 | 22.49 | 49.82 |
| 39 GRANVILLE | 12 | 32.73 | 54 | 30.23 | 29.84 |
| 40 GREENE | 11 | 66.64 | 30 | 36.72 | 30.80 |
| 41 GUILFORD | 64 | 19.60 | 307 | 19.05 | 19.48 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
MOTOR VEHICLE ACCIDENTS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 20 | 35.73 | 80 | 28.73 | 24.16 |
| 43 HARNETT | 22 | 34.92 | 108 | 34.99 | 35.10 |
| 44 HAYWOOD | 11 | 22.96 | 42 | 17.78 | 21.00 |
| 45 HENDERSON | 18 | 27.19 | 80 | 25.24 | 23.95 |
| 46 HERTFORD | 5 | 20.89 | 31 | 26.11 | 23.43 |
| 47 HOKE | 2 | 8.88 | 27 | 24.50 | 23.25 |
| 48 HYDE | 4 | 67.01 | 9 | 30.20 | 30.80 |
| 49 IREDELL | 26 | 29.79 | 116 | 27.13 | 27.53 |
| 50 JACKSON | 2 | 7.41 | 14 | 10.42 | 13.85 |
| 51 JOHNSTON | 27 | 35.14 | 129 | 34.93 | 36.74 |
| 52 JONES | 0 | 0.00 | 12 | 24.55 | 27.20 |
| 53 LEE | 12 | 29.59 | 49 | 25.41 | 26.73 |
| 54 LENOIR | 15 | 24.80 | 85 | 28.18 | 30.22 |
| 55 LINCOLN | 18 | 39.43 | 65 | 29.59 | 30.45 |
| 56 MCDOWELL | 11 | 30.31 | 38 | 21.03 | 21.57 |
| 57 MACON | 4 | 17.33 | 27 | 24.33 | 30.12 |
| 58 MADISON | 3 | 17.45 | 20 | 23.21 | 17.63 |
| 59 MARTIN | 11 | 41.27 | 41 | 30.98 | 29.67 |
| 60 MECKLENBURG | 61 | 13.78 | 356 | 16.72 | 17.07 |
| 61 MITCHELL | 5 | 34.34 | 27 | 37.51 | 29.28 |
| 62 MONTGOMERY | 9 | 37.87 | 36 | 30.95 | 32.22 |
| 63 MOORE | 24 | 43.79 | 85 | 32.10 | 33.37 |
| 64 NASH | 24 | 33.90 | 100 | 28.74 | 29.48 |
| 65 NEW HANOVER | 22 | 19.63 | 95 | 17.46 | 17.32 |
| 66 NORTHAMPTON | 10 | 44.72 | 32 | 28.51 | 25.47 |
| 67 ONSLOW | 24 | 19.59 | 124 | 21.08 | 19.24 |
| 68 ORANGE | 16 | 19.40 | 89 | 22.29 | 22.53 |
| 69 PAMLICO | 4 | 36.44 | 26 | 48.56 | 55.84 |
| 70 PASQUOTANK | 2 | 6.81 | 24 | 16.67 | 16.65 |
| 71 PENDER | 5 | 20.47 | 36 | 30.82 | 31.55 |
| 72 PERQUIMANS | 2 | 19.42 | 15 | 30.53 | 29.78 |
| 73 PERSON | 9 | 29.74 | 30 | 20.06 | 20.32 |
| 74 PITT | 22 | 22.94 | 97 | 20.58 | 21.46 |
| 75 POLK | 5 | 34.75 | 18 | 25.77 | 22.41 |
| 76 RANDOLPH | 25 | 25.71 | 123 | 25.93 | 28.76 |
| 77 RICHMOND | 16 | 34.66 | 61 | 26.71 | 27.41 |
| 78 ROBESON | 37 | 34.89 | 176 | 33.66 | 29.54 |
| 79 ROCKINGHAM | 34 | 39.84 | 119 | 28.00 | 28.48 |
| 80 ROWAN | 33 | 31.90 | 127 | 25.00 | 25.33 |
| 81 RUTHERFORD | 16 | 28.09 | 79 | 28.38 | 28.84 |
| 82 SAMPSON | 10 | 19.86 | 84 | 33.54 | 34.96 |
| 83 SCOTLAND | 12 | 35.71 | 53 | 31.82 | 33.51 |
| 84 STANLY | 7 | 13.94 | 49 | 19.94 | 20.98 |
| 85 STOKES | 14 | 39.60 | 50 | 28.81 | 33.62 |
| 86 SURRY | 10 | 16.44 | 53 | 17.56 | 19.32 |
| 87 SWAIN | 2 | 18.69 | 13 | 24.56 | 25.62 |
| 88 TRANSYLVANIA | 8 | 31.27 | 18 | 14.60 | 11.55 |
| 89 TYRRELL | 1 | 24.23 | 5 | 24.05 | 24.91 |
| 90 UNION | 12 | 15.36 | 95 | 25.36 | 26.43 |
| 91 VANCE | 11 | 28.70 | 50 | 26.66 | 32.02 |
| 92 WAKE | 63 | 17.80 | 290 | 17.69 | 17.53 |
| 93 WARREN | 7 | 42.68 | 28 | 34.26 | 33.18 |
| 94 WASHINGTON | 5 | 34.41 | 18 | 24.80 | 26.63 |
| 95 WATAUGA | 5 | 14.63 | 22 | 13.10 | 10.21 |
| 96 WAYNE | 23 | 23.31 | 106 | 21.62 | 22.58 |
| 97 WILKES | 13 | 21.38 | 68 | 22.65 | 29.65 |
| 98 WILSON | 29 | 45.06 | 98 | 30.64 | 31.91 |
| 99 YADKIN | 9 | 30.64 | 39 | 26.68 | 25.69 |
| 100 YANCEY | 3 | 19.26 | 21 | 27.48 | 31.33 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# MOTOR VEHICLE ACCIDENTS

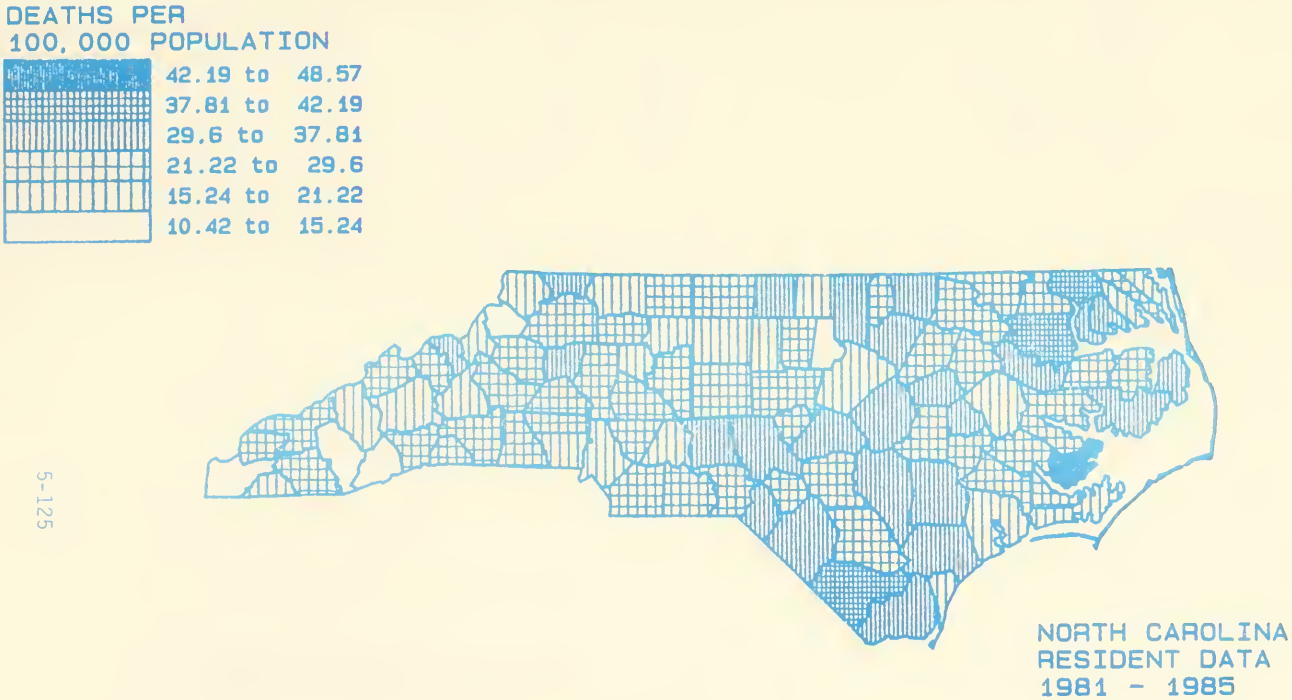
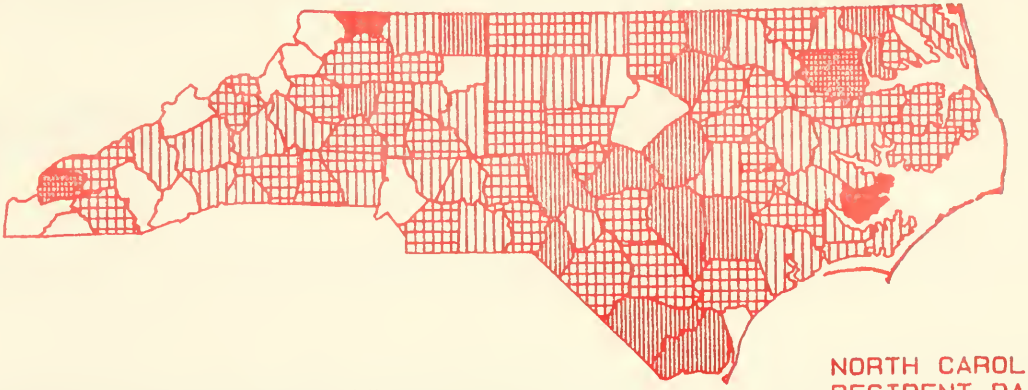



FIGURE 24.A

# MOTOR VEHICLE ACCIDENTS

MORTALITY RATES PER
100,000 POPULATION

49.83 to 57.46
41.77 to 49.83
32.23 to 41.77
24.3 to 32.23
17.64 to 24.3
10.21 to 17.64



AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 24.B

TABLE 25

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 1454 | 23.24 | 7167 | 23.51 | 23.51 |
| REGIONS | | | | | |
| DHR I WESTERN | 465 | 21.69 | 2380 | 22.78 | 23.05 |
| DHR II N. CENTRAL | 296 | 22.45 | 1446 | 22.33 | 22.09 |
| DHR III S. CENTRAL | 351 | 23.97 | 1639 | 23.15 | 23.83 |
| DHR IV EASTERN | 342 | 25.74 | 1702 | 26.26 | 25.14 |
| HSA I WESTERN | 233 | 21.72 | 1240 | 23.61 | 23.41 |
| HSA II PIEDMONT | 243 | 20.87 | 1214 | 21.22 | 21.45 |
| HSA III S. PIEDMONT | 232 | 21.66 | 1140 | 21.95 | 22.71 |
| HSA IV CAPITAL | 215 | 23.75 | 958 | 22.18 | 22.36 |
| HSA V CARDINAL | 244 | 25.75 | 1202 | 25.89 | 25.88 |
| HSA VI EASTERN | 287 | 26.22 | 1413 | 26.38 | 25.04 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 18 | 17.60 | 113 | 22.39 | 21.98 |
| 2 ALEXANDER | 2 | 7.51 | 27 | 20.66 | 23.78 |
| 3 ALLEGHANY | 3 | 30.95 | 15 | 30.62 | 21.03 |
| 4 ANSON | 9 | 34.30 | 40 | 30.84 | 26.34 |
| 5 ASHE | 5 | 21.34 | 29 | 25.13 | 16.69 |
| 6 AVERY | 4 | 26.67 | 17 | 22.83 | 74.88* |
| 7 BEAUFORT | 14 | 32.36 | 70 | 33.12 | 30.47 |
| 8 BERTIE | 8 | 37.48 | 41 | 38.43 | 21.80 |
| 9 BLADEN | 5 | 16.26 | 51 | 33.20 | 30.14 |
| 10 BRUNSWICK | 7 | 15.36 | 59 | 28.59 | 28.59 |
| 11 BUNCOMBE | 39 | 23.17 | 213 | 25.84 | 23.75 |
| 12 BURKE | 20 | 26.47 | 78 | 20.99 | 21.54 |
| 13 CABARRUS | 22 | 23.89 | 103 | 22.84 | 23.17 |
| 14 CALDWELL | 15 | 21.35 | 70 | 20.43 | 23.65 |
| 15 CAMDEN | 4 | 68.79 | 16 | 55.41 | 52.10 |
| 16 CARTERET | 14 | 28.72 | 51 | 22.33 | 27.21 |
| 17 CASWELL | 6 | 26.73 | 25 | 23.08 | 21.17 |
| 18 CATAWBA | 21 | 18.64 | 96 | 17.52 | 19.70 |
| 19 CHATHAM | 16 | 45.24 | 55 | 31.71 | 29.06 |
| 20 CHEROKEE | 3 | 14.84 | 16 | 16.25 | 11.41 |
| 21 CHOWAN | 2 | 15.19 | 17 | 26.53 | 24.40 |
| 22 CLAY | 1 | 14.23 | 10 | 28.58 | 21.06 |
| 23 CLEVELAND | 16 | 18.56 | 97 | 23.00 | 23.40 |
| 24 COLUMBUS | 17 | 32.64 | 81 | 31.24 | 29.05 |
| 25 CRAVEN | 9 | 11.32 | 77 | 20.45 | 20.81 |
| 26 CUMBERLAND | 66 | 25.77 | 274 | 21.67 | 26.70 |
| 27 CURRITUCK | 3 | 23.26 | 17 | 27.73 | 25.75 |
| 28 DARE | 8 | 46.39 | 31 | 39.55 | 38.90 |
| 29 DAVIDSON | 20 | 16.88 | 123 | 21.24 | 24.39 |
| 30 DAVIE | 5 | 18.06 | 17 | 12.55 | 13.17 |
| 31 DUPLIN | 12 | 28.85 | 66 | 31.94 | 27.52 |
| 32 DURHAM | 45 | 27.84 | 198 | 25.05 | 24.20 |
| 33 EDGECOMBE | 17 | 29.10 | 92 | 32.16 | 31.06 |
| 34 FORSYTH | 55 | 21.27 | 241 | 19.10 | 18.66 |
| 35 FRANKLIN | 12 | 36.61 | 53 | 33.74 | 26.69 |
| 36 GASTON | 39 | 22.70 | 190 | 22.70 | 23.97 |
| 37 GATES | 3 | 31.97 | 11 | 24.00 | 21.35 |
| 38 GRAHAM | 3 | 41.73 | 12 | 33.73 | 64.21 |
| 39 GRANVILLE | 12 | 32.73 | 51 | 28.55 | 24.20 |
| 40 GREENE | 1 | 6.05 | 26 | 31.82 | 34.29 |
| 41 GUILFORD | 72 | 22.05 | 341 | 21.16 | 20.87 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
ALL OTHER ACCIDENTS AND ADVERSE EFFECTS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 23 | 41.10 | 85 | 30.52 | 24.66 |
| 43 HARNETT | 13 | 20.63 | 72 | 23.32 | 23.89 |
| 44 HAYWOOD | 9 | 18.78 | 52 | 22.01 | 15.63 |
| 45 HENDERSON | 16 | 24.17 | 80 | 25.24 | 20.24 |
| 46 HERTFORD | 10 | 41.79 | 41 | 34.53 | 24.33 |
| 47 HOKE | 4 | 17.77 | 24 | 21.78 | 21.22 |
| 48 HYDE | 0 | 0.00 | 11 | 36.92 | 31.97 |
| 49 IREDELL | 25 | 28.65 | 116 | 27.13 | 27.48 |
| 50 JACKSON | 9 | 33.37 | 36 | 26.80 | 28.08 |
| 51 JOHNSTON | 24 | 31.24 | 98 | 26.54 | 27.40 |
| 52 JONES | 3 | 30.70 | 14 | 28.64 | 27.73 |
| 53 LEE | 9 | 22.19 | 37 | 19.19 | 19.17 |
| 54 LENOIR | 17 | 28.10 | 72 | 23.87 | 20.46 |
| 55 LINCOLN | 14 | 30.67 | 44 | 20.03 | 19.55 |
| 56 MCDOWELL | 5 | 13.78 | 52 | 28.78 | 28.51 |
| 57 MACON | 8 | 34.67 | 29 | 26.13 | 28.32 |
| 58 MADISON | 6 | 34.90 | 33 | 38.30 | 25.73 |
| 59 MARTIN | 8 | 30.01 | 45 | 34.00 | 31.53 |
| 60 MECKLENBURG | 71 | 16.04 | 417 | 19.58 | 20.60 |
| 61 MITCHELL | 1 | 6.86 | 22 | 30.57 | 49.36* |
| 62 MONTGOMERY | 10 | 42.08 | 35 | 30.09 | 28.15 |
| 63 MOORE | 8 | 14.59 | 63 | 23.79 | 21.27 |
| 64 NASH | 24 | 33.90 | 90 | 25.86 | 24.21 |
| 65 NEW HANOVER | 27 | 24.10 | 118 | 21.69 | 22.72 |
| 66 NORTHAMPTON | 7 | 31.30 | 35 | 31.18 | 19.76 |
| 67 ONSLOW | 28 | 22.85 | 115 | 19.55 | 23.18 |
| 68 ORANGE | 19 | 23.04 | 63 | 15.78 | 17.81 |
| 69 PAMLICO | 5 | 45.55 | 20 | 37.36 | 32.07 |
| 70 PASQUOTANK | 7 | 23.84 | 45 | 31.27 | 29.42 |
| 71 PENDER | 4 | 16.37 | 31 | 26.54 | 25.73 |
| 72 PERQUIMANS | 1 | 9.71 | 12 | 24.43 | 22.14 |
| 73 PERSON | 4 | 13.22 | 25 | 16.71 | 15.89 |
| 74 PITT | 17 | 17.73 | 102 | 21.64 | 22.47 |
| 75 POLK | 4 | 27.80 | 20 | 28.64 | 16.96 |
| 76 RANDOLPH | 24 | 24.68 | 91 | 19.18 | 21.15 |
| 77 RICHMOND | 17 | 36.83 | 66 | 28.90 | 28.06 |
| 78 ROBESON | 43 | 40.55 | 152 | 29.07 | 26.43 |
| 79 ROCKINGHAM | 21 | 24.61 | 117 | 27.53 | 27.12 |
| 80 ROWAN | 37 | 35.76 | 144 | 28.35 | 26.54 |
| 81 RUTHERFORD | 11 | 19.31 | 68 | 24.43 | 23.98 |
| 82 SAMPSON | 8 | 15.89 | 92 | 36.74 | 33.85 |
| 83 SCOTLAND | 6 | 17.85 | 44 | 26.42 | 25.48 |
| 84 STANLY | 12 | 23.91 | 65 | 26.45 | 23.82 |
| 85 STOKES | 2 | 5.65 | 31 | 17.86 | 25.58 |
| 86 SURRY | 11 | 18.08 | 76 | 25.18 | 31.30 |
| 87 SWAIN | 5 | 46.73 | 24 | 45.34 | 45.40 |
| 88 TRANSYLVANIA | 2 | 7.81 | 20 | 16.22 | 11.74 |
| 89 TYRRELL | 0 | 0.00 | 8 | 38.49 | 31.64 |
| 90 UNION | 12 | 15.36 | 61 | 16.28 | 18.54 |
| 91 VANCE | 22 | 57.41 | 70 | 37.33 | 31.50 |
| 92 WAKE | 49 | 13.84 | 275 | 16.77 | 19.37 |
| 93 WARREN | 3 | 18.29 | 33 | 40.38 | 29.15 |
| 94 WASHINGTON | 8 | 55.06 | 25 | 34.44 | 33.72 |
| 95 WATAUGA | 6 | 17.55 | 27 | 16.08 | 13.20 |
| 96 WAYNE | 25 | 25.34 | 103 | 21.01 | 19.66 |
| 97 WILKES | 14 | 23.02 | 71 | 23.65 | 24.31 |
| 98 WILSON | 9 | 13.98 | 75 | 23.44 | 21.97 |
| 99 YADKIN | 9 | 30.64 | 39 | 26.68 | 28.23 |
| 100 YANCEY | 5 | 32.10 | 26 | 34.02 | 45.53* |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

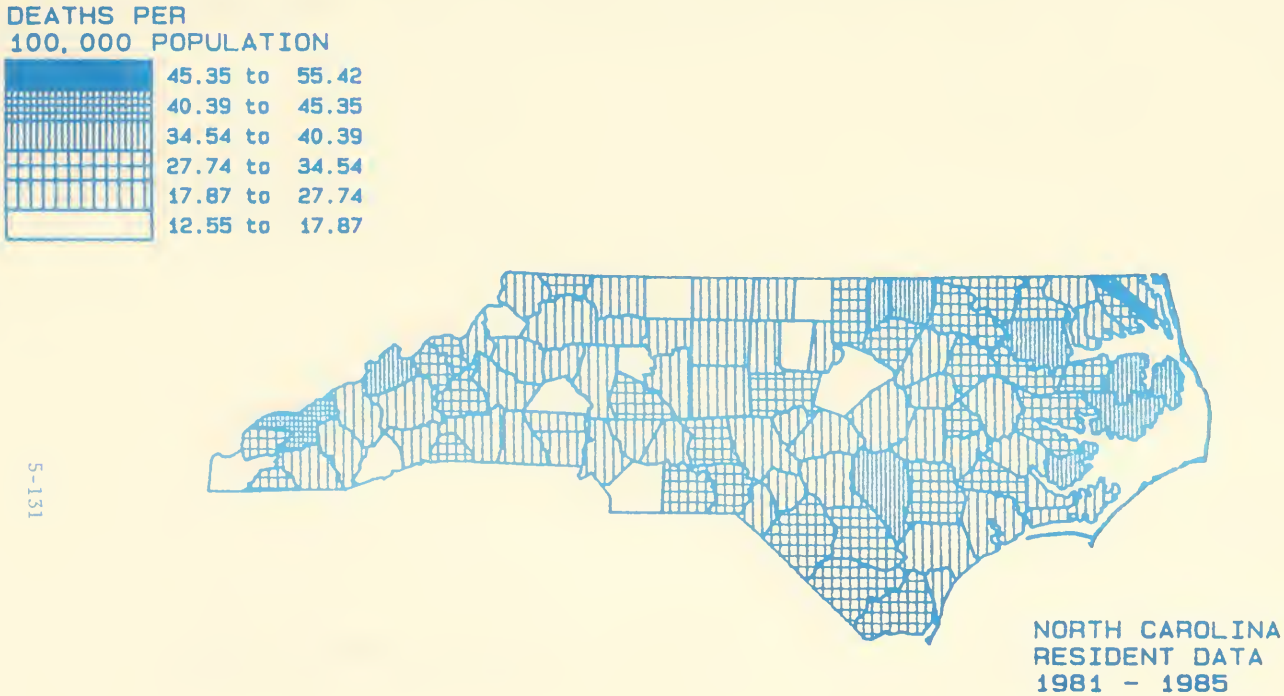



FIGURE 25.A

# ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

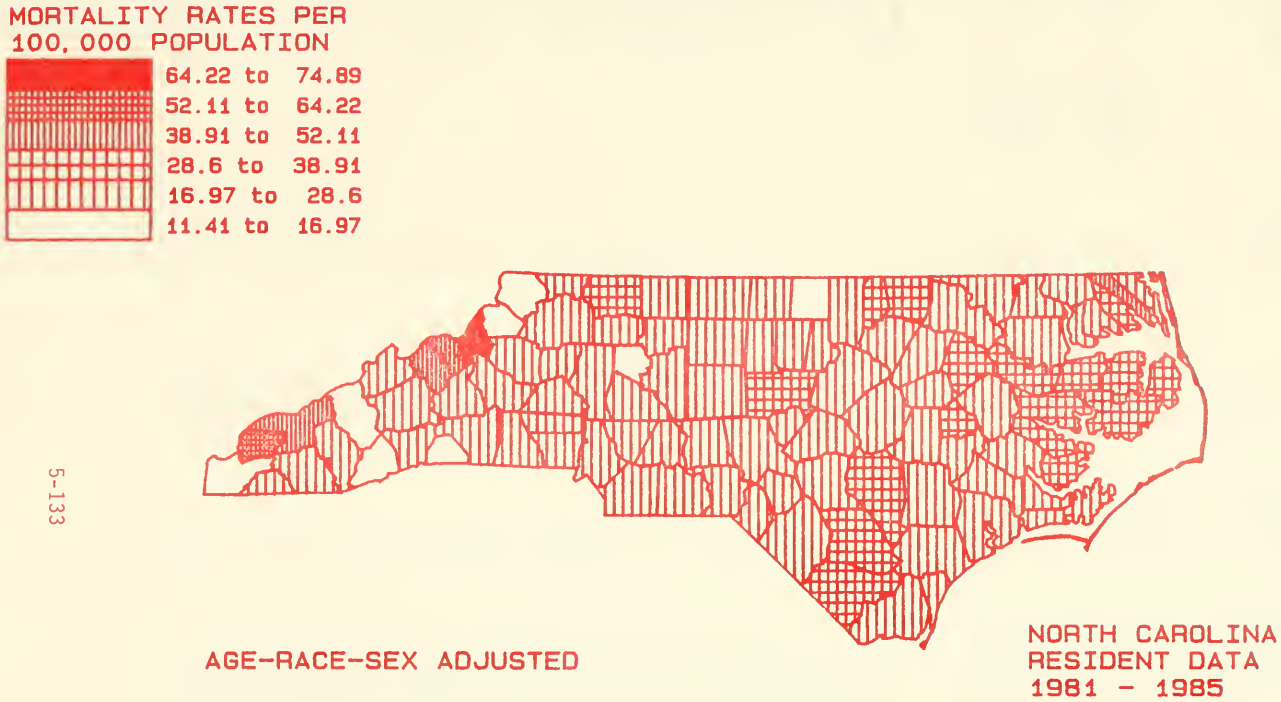



FIGURE 25.B

TABLE 26

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

SUICIDE

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 790 | 12.63 | 3924 | 12.87 | 12.87 |
| REGIONS | | | | | |
| DHR I WESTERN | 270 | 12.59 | 1399 | 13.39 | 12.36 |
| DHR II N. CENTRAL | 177 | 13.42 | 898 | 13.86 | 13.57 |
| DHR III S. CENTRAL | 172 | 11.74 | 835 | 11.79 | 12.83 |
| DHR IV EASTERN | 171 | 12.87 | 792 | 12.22 | 13.34 |
| HSA I WESTERN | 141 | 13.14 | 760 | 14.47 | 13.07 |
| HSA II PIEDMONT | 157 | 13.48 | 803 | 14.03 | 13.48 |
| HSA III S. PIEDMONT | 129 | 12.04 | 639 | 12.30 | 11.99 |
| HSA IV CAPITAL | 111 | 12.26 | 529 | 12.24 | 12.77 |
| HSA V CARDINAL | 109 | 11.50 | 557 | 12.00 | 13.47 |
| HSA VI EASTERN | 143 | 13.06 | 636 | 11.87 | 13.21 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 20 | 19.55 | 84 | 16.64 | 15.74 |
| 2 ALEXANDER | 4 | 15.02 | 25 | 19.13 | 18.56 |
| 3 ALLEGHANY | 4 | 41.27 | 9 | 18.37 | 13.79 |
| 4 ANSON | 7 | 26.68 | 17 | 13.10 | 17.82 |
| 5 ASHE | 0 | 0.00 | 18 | 15.59 | 12.25 |
| 6 AVERY | 0 | 0.00 | 6 | 8.06 | 6.42 |
| 7 BEAUFORT | 7 | 16.18 | 29 | 13.72 | 14.61 |
| 8 BERTIE | 2 | 9.37 | 13 | 12.18 | 17.21 |
| 9 BLADEN | 2 | 6.50 | 10 | 6.51 | 7.99 |
| 10 BRUNSWICK | 5 | 10.97 | 28 | 13.57 | 12.84 |
| 11 BUNCOMBE | 24 | 14.26 | 140 | 16.98 | 15.89 |
| 12 BURKE | 9 | 11.91 | 58 | 15.61 | 14.02 |
| 13 CABARRUS | 11 | 11.94 | 63 | 13.97 | 12.87 |
| 14 CALDWELL | 10 | 14.23 | 59 | 17.21 | 15.96 |
| 15 CAMDEN | 0 | 0.00 | 5 | 17.31 | 17.25 |
| 16 CARTERET | 2 | 4.10 | 17 | 7.44 | 5.89 |
| 17 CASWELL | 2 | 8.91 | 11 | 10.15 | 12.29 |
| 18 CATAWBA | 16 | 14.20 | 69 | 12.59 | 11.72 |
| 19 CHATHAM | 2 | 5.65 | 14 | 8.07 | 7.98 |
| 20 CHEROKEE | 5 | 24.74 | 13 | 13.20 | 10.64 |
| 21 CHOWAN | 2 | 15.19 | 9 | 14.04 | 16.48 |
| 22 CLAY | 0 | 0.00 | 4 | 11.43 | 7.87 |
| 23 CLEVELAND | 12 | 13.92 | 47 | 11.14 | 10.94 |
| 24 COLUMBUS | 9 | 17.28 | 40 | 15.43 | 16.03 |
| 25 CRAVEN | 9 | 11.32 | 42 | 11.15 | 12.96 |
| 26 CUMBERLAND | 32 | 12.49 | 156 | 12.34 | 15.43 |
| 27 CURRITUCK | 3 | 23.26 | 11 | 17.94 | 15.64 |
| 28 DARE | 2 | 11.59 | 13 | 16.58 | 12.36 |
| 29 DAVIDSON | 14 | 11.81 | 74 | 12.78 | 11.19 |
| 30 DAVIE | 4 | 14.45 | 25 | 18.46 | 16.39 |
| 31 DUPLIN | 6 | 14.42 | 20 | 9.67 | 9.34 |
| 32 DURHAM | 17 | 10.51 | 95 | 12.02 | 13.35 |
| 33 EDGECOMBE | 7 | 11.98 | 34 | 11.88 | 16.06 |
| 34 FORSYTH | 34 | 13.15 | 169 | 13.39 | 13.43 |
| 35 FRANKLIN | 3 | 9.15 | 13 | 8.27 | 8.61 |
| 36 GASTON | 14 | 8.15 | 104 | 12.42 | 11.59 |
| 37 GATES | 1 | 10.65 | 4 | 8.73 | 13.76 |
| 38 GRAHAM | 0 | 0.00 | 4 | 11.24 | 8.67 |
| 39 GRANVILLE | 6 | 16.36 | 29 | 16.23 | 17.27 |
| 40 GREENE | 3 | 18.17 | 9 | 11.01 | 11.92 |
| 41 GUILFORD | 36 | 11.02 | 202 | 12.53 | 12.68 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
SUICIDE CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 7 | 12.50 | 25 | 8.97 | 9.49 |
| 43 HARNETT | 9 | 14.28 | 43 | 13.93 | 14.54 |
| 44 HAYWOOD | 4 | 8.34 | 27 | 11.43 | 8.24 |
| 45 HENDERSON | 16 | 24.17 | 52 | 16.41 | 14.83 |
| 46 HERTFORD | 3 | 12.53 | 10 | 8.42 | 8.20 |
| 47 HOKE | 1 | 4.44 | 11 | 9.98 | 11.87 |
| 48 HYDE | 2 | 33.50 | 5 | 16.78 | 19.68 |
| 49 IREDELL | 9 | 10.31 | 54 | 12.63 | 11.74 |
| 50 JACKSON | 3 | 11.12 | 17 | 12.65 | 12.43 |
| 51 JOHNSTON | 12 | 15.62 | 66 | 17.87 | 17.18 |
| 52 JONES | 1 | 10.23 | 7 | 14.32 | 14.34 |
| 53 LEE | 12 | 29.59 | 28 | 14.52 | 14.77 |
| 54 LENOIR | 7 | 11.57 | 32 | 10.61 | 13.02 |
| 55 LINCOLN | 8 | 17.52 | 32 | 14.57 | 14.83 |
| 56 MCDOWELL | 4 | 11.02 | 16 | 8.85 | 12.00 |
| 57 MACON | 1 | 4.33 | 16 | 14.41 | 11.23 |
| 58 MADISON | 2 | 11.63 | 12 | 13.92 | 10.77 |
| 59 MARTIN | 3 | 11.25 | 16 | 12.09 | 15.51 |
| 60 MECKLENBURG | 52 | 11.75 | 232 | 10.89 | 11.44 |
| 61 MITCHELL | 3 | 20.60 | 13 | 18.06 | 13.32 |
| 62 MONTGOMERY | 4 | 16.83 | 16 | 13.75 | 13.85 |
| 63 MOORE | 3 | 5.47 | 40 | 15.10 | 12.81 |
| 64 NASH | 11 | 15.53 | 41 | 11.78 | 13.03 |
| 65 NEW HANOVER | 12 | 10.71 | 69 | 12.68 | 12.63 |
| 66 NORTHAMPTON | 2 | 8.94 | 9 | 8.01 | 9.71 |
| 67 ONSLOW | 11 | 8.97 | 55 | 9.35 | 11.16 |
| 68 ORANGE | 9 | 10.91 | 31 | 7.76 | 8.56 |
| 69 PAMLICO | 0 | 0.00 | 9 | 16.81 | 16.38 |
| 70 PASQUOTANK | 0 | 0.00 | 10 | 6.94 | 7.16 |
| 71 PENDER | 2 | 8.18 | 19 | 16.26 | 16.83 |
| 72 PERQUIMANS | 3 | 29.13 | 6 | 12.21 | 15.47 |
| 73 PERSON | 8 | 26.44 | 31 | 20.73 | 21.49 |
| 74 PITT | 17 | 17.73 | 73 | 15.48 | 18.95 |
| 75 POLK | 1 | 6.95 | 13 | 18.61 | 18.41 |
| 76 RANDOLPH | 6 | 6.17 | 63 | 13.28 | 11.96 |
| 77 RICHMOND | 3 | 6.50 | 16 | 7.00 | 7.33 |
| 78 ROBESON | 10 | 9.43 | 51 | 9.75 | 12.70 |
| 79 ROCKINGHAM | 17 | 19.92 | 74 | 17.41 | 17.07 |
| 80 ROWAN | 16 | 15.46 | 77 | 15.16 | 13.90 |
| 81 RUTHERFORD | 6 | 10.53 | 38 | 13.65 | 12.17 |
| 82 SAMPSON | 5 | 9.93 | 28 | 11.18 | 12.74 |
| 83 SCOTLAND | 5 | 14.87 | 13 | 7.80 | 9.49 |
| 84 STANLY | 9 | 17.93 | 43 | 17.50 | 16.14 |
| 85 STOKES | 1 | 2.82 | 20 | 11.52 | 9.53 |
| 86 SURRY | 15 | 24.66 | 57 | 18.89 | 16.30 |
| 87 SWAIN | 3 | 28.04 | 7 | 13.22 | 12.47 |
| 88 TRANSYLVANIA | 2 | 7.81 | 11 | 8.92 | 7.26 |
| 89 TYRRELL | 1 | 24.23 | 2 | 9.62 | 11.13 |
| 90 UNION | 10 | 12.80 | 34 | 9.07 | 9.23 |
| 91 VANCE | 3 | 7.82 | 12 | 6.40 | 8.35 |
| 92 WAKE | 39 | 11.02 | 200 | 12.20 | 12.15 |
| 93 WARREN | 0 | 0.00 | 10 | 12.23 | 18.91 |
| 94 WASHINGTON | 0 | 0.00 | 10 | 13.77 | 17.83 |
| 95 WATAUGA | 2 | 5.85 | 25 | 14.89 | 12.38 |
| 96 WAYNE | 12 | 12.16 | 61 | 12.44 | 13.74 |
| 97 WILKES | 8 | 13.15 | 52 | 17.32 | 16.57 |
| 98 WILSON | 19 | 29.52 | 59 | 18.44 | 20.40 |
| 99 YADKIN | 8 | 27.24 | 24 | 16.42 | 17.27 |
| 100 YANCEY | 2 | 12.84 | 9 | 11.77 | 9.49 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# SUICIDE

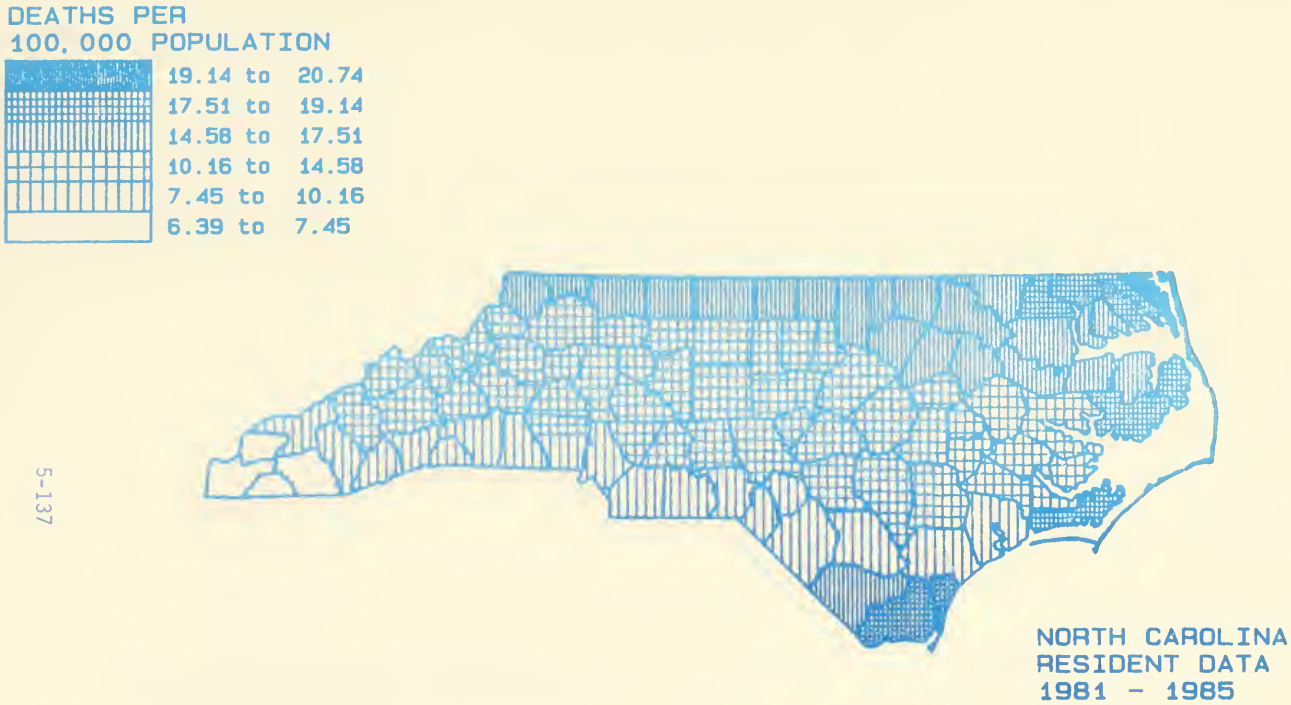



FIGURE 26.A

# SUICIDE

MORTALITY RATES PER
100,000 POPULATION

20.41 to 21.5
17.84 to 20.41
14.84 to 17.84
9.72 to 14.84
6.43 to 9.72
5.89 to 6.43

AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 26.B

TABLE 27

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

HOMICIDE

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 564 | 9.01 | 2904 | 9.52 | 9.52 |
| REGIONS | | | | | |
| DHR I WESTERN | 170 | 7.93 | 925 | 8.85 | 11.04 |
| DHR II N. CENTRAL | 105 | 7.96 | 547 | 8.44 | 8.61 |
| DHR III S. CENTRAL | 175 | 11.95 | 802 | 11.32 | 10.09 |
| DHR IV EASTERN | 114 | 8.58 | 630 | 9.72 | 8.56 |
| HSA I WESTERN | 69 | 6.43 | 401 | 7.63 | 10.94 |
| HSA II PIEDMONT | 94 | 8.07 | 458 | 8.00 | 8.52 |
| HSA III S. PIEDMONT | 101 | 9.43 | 524 | 10.09 | 10.90 |
| HSA IV CAPITAL | 96 | 10.60 | 436 | 10.09 | 9.17 |
| HSA V CARDINAL | 109 | 11.50 | 563 | 12.13 | 10.73 |
| HSA VI EASTERN | 95 | 8.68 | 522 | 9.74 | 8.43 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 5 | 4.88 | 44 | 8.72 | 9.54 |
| 2 ALEXANDER | 1 | 3.75 | 11 | 8.41 | 6.53 |
| 3 ALLEGHANY | 1 | 10.31 | 3 | 6.12 | 4.46 |
| 4 ANSON | 7 | 26.68 | 23 | 17.73 | 17.37 |
| 5 ASHE | 0 | 0.00 | 4 | 3.46 | 2.79 |
| 6 AVERY | 0 | 0.00 | 3 | 4.03 | 3.25 |
| 7 BEAUFORT | 3 | 6.93 | 26 | 12.30 | 11.51 |
| 8 BERTIE | 1 | 4.68 | 7 | 6.56 | 5.94 |
| 9 BLADEN | 2 | 6.50 | 21 | 13.67 | 8.65 |
| 10 BRUNSWICK | 5 | 10.97 | 17 | 8.24 | 8.47 |
| 11 BUNCOMBE | 8 | 4.75 | 60 | 7.27 | 9.74 |
| 12 BURKE | 6 | 7.94 | 38 | 10.23 | 12.02 |
| 13 CABARRUS | 5 | 5.43 | 31 | 6.87 | 9.20 |
| 14 CALDWELL | 6 | 8.54 | 29 | 8.46 | 13.65 |
| 15 CAMDEN | 0 | 0.00 | 1 | 3.46 | 4.68 |
| 16 CARTERET | 1 | 2.05 | 19 | 8.32 | 10.78 |
| 17 CASWELL | 2 | 8.91 | 9 | 8.31 | 4.62 |
| 18 CATAWBA | 4 | 3.55 | 42 | 7.66 | 11.75 |
| 19 CHATHAM | 7 | 19.79 | 27 | 15.56 | 13.96 |
| 20 CHEROKEE | 2 | 9.89 | 9 | 9.14 | 7.96 |
| 21 CHOWAN | 0 | 0.00 | 5 | 7.80 | 8.29 |
| 22 CLAY | 0 | 0.00 | 2 | 5.71 | 4.74 |
| 23 CLEVELAND | 10 | 11.60 | 53 | 12.56 | 14.00 |
| 24 COLUMBUS | 5 | 9.60 | 32 | 12.34 | 11.39 |
| 25 CRAVEN | 6 | 7.54 | 27 | 7.17 | 6.77 |
| 26 CUMBERLAND | 36 | 14.05 | 137 | 10.83 | 9.74 |
| 27 CURRITUCK | 1 | 7.75 | 6 | 9.78 | 11.87 |
| 28 DARE | 1 | 5.79 | 4 | 5.10 | 4.54 |
| 29 DAVIDSON | 6 | 5.06 | 39 | 6.73 | 8.07 |
| 30 DAVIE | 0 | 0.00 | 4 | 2.95 | 6.49 |
| 31 DUPLIN | 1 | 2.40 | 19 | 9.19 | 7.46 |
| 32 DURHAM | 21 | 12.99 | 92 | 11.64 | 9.41 |
| 33 EDGECOMBE | 4 | 6.84 | 31 | 10.83 | 7.77 |
| 34 FORSYTH | 27 | 10.44 | 124 | 9.82 | 9.62 |
| 35 FRANKLIN | 4 | 12.20 | 21 | 13.37 | 11.54 |
| 36 GASTON | 13 | 7.56 | 79 | 9.43 | 11.55 |
| 37 GATES | 2 | 21.31 | 6 | 13.09 | 8.13 |
| 38 GRAHAM | 2 | 27.82 | 3 | 8.43 | 7.34 |
| 39 GRANVILLE | 1 | 2.72 | 15 | 8.39 | 7.30 |
| 40 GREENE | 0 | 0.00 | 6 | 7.34 | 5.05 |
| 41 GUILFORD | 34 | 10.41 | 131 | 8.12 | 7.73 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
HOMICIDE CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 4 | 7.14 | 30 | 10.77 | 8.32 |
| 43 HARNETT | 7 | 11.11 | 45 | 14.58 | 15.09 |
| 44 HAYWOOD | 4 | 8.34 | 9 | 3.81 | 6.83 |
| 45 HENDERSON | 6 | 9.06 | 22 | 6.94 | 17.78 |
| 46 HERTFORD | 3 | 12.53 | 9 | 7.58 | 3.40 |
| 47 HOKE | 4 | 17.77 | 13 | 11.79 | 9.77 |
| 48 HYDE | 0 | 0.00 | 4 | 13.42 | 11.42 |
| 49 IREDELL | 9 | 10.31 | 42 | 9.82 | 11.54 |
| 50 JACKSON | 1 | 3.70 | 14 | 10.42 | 12.21 |
| 51 JOHNSTON | 8 | 10.41 | 47 | 12.72 | 13.87 |
| 52 JONES | 1 | 10.23 | 2 | 4.09 | 4.12 |
| 53 LEE | 6 | 14.79 | 18 | 9.33 | 9.90 |
| 54 LENOIR | 9 | 14.88 | 37 | 12.27 | 9.92 |
| 55 LINCOLN | 4 | 8.76 | 16 | 7.28 | 7.76 |
| 56 MCDOWELL | 4 | 11.02 | 11 | 6.09 | 7.32 |
| 57 MACON | 1 | 4.33 | 2 | 1.80 | 16.25 |
| 58 MADISON | 3 | 17.45 | 15 | 17.41 | 13.29 |
| 59 MARTIN | 3 | 11.25 | 11 | 8.31 | 6.02 |
| 60 MECKLENBURG | 58 | 13.10 | 292 | 13.71 | 12.14 |
| 61 MITCHELL | 1 | 6.86 | 4 | 5.55 | 3.85 |
| 62 MONTGOMERY | 2 | 8.41 | 18 | 15.47 | 15.35 |
| 63 MOORE | 3 | 5.47 | 19 | 7.17 | 7.99 |
| 64 NASH | 7 | 9.88 | 51 | 14.65 | 13.83 |
| 65 NEW HANOVER | 7 | 6.24 | 48 | 8.82 | 9.51 |
| 66 NORTHAMPTON | 4 | 17.88 | 13 | 11.58 | 10.91 |
| 67 ONSLOW | 10 | 8.16 | 36 | 6.12 | 6.04 |
| 68 ORANGE | 9 | 10.91 | 29 | 7.26 | 7.18 |
| 69 PAMLICO | 0 | 0.00 | 3 | 5.60 | 5.71 |
| 70 PASQUOTANK | 1 | 3.40 | 10 | 6.94 | 6.00 |
| 71 PENDER | 2 | 8.18 | 11 | 9.41 | 8.47 |
| 72 PERQUIMANS | 1 | 9.71 | 2 | 4.07 | 4.02 |
| 73 PERSON | 2 | 6.61 | 18 | 12.03 | 10.63 |
| 74 PITT | 5 | 5.21 | 35 | 7.42 | 6.59 |
| 75 POLK | 0 | 0.00 | 5 | 7.16 | 12.16 |
| 76 RANDOLPH | 4 | 4.11 | 30 | 6.32 | 9.91 |
| 77 RICHMOND | 2 | 4.33 | 35 | 15.33 | 15.44 |
| 78 ROBESON | 18 | 16.97 | 94 | 17.98 | 14.21 |
| 79 ROCKINGHAM | 7 | 8.20 | 40 | 9.41 | 9.85 |
| 80 ROWAN | 8 | 7.73 | 35 | 6.89 | 7.85 |
| 81 RUTHERFORD | 3 | 5.26 | 19 | 6.82 | 6.89 |
| 82 SAMPSON | 4 | 7.94 | 28 | 11.18 | 9.76 |
| 83 SCOTLAND | 5 | 14.87 | 22 | 13.21 | 10.91 |
| 84 STANLY | 2 | 3.98 | 10 | 4.07 | 4.97 |
| 85 STOKES | 4 | 11.31 | 12 | 6.91 | 6.87 |
| 86 SURRY | 4 | 6.57 | 18 | 5.96 | 6.54 |
| 87 SWAIN | 3 | 28.04 | 11 | 20.78 | 21.17 |
| 88 TRANSYLVANIA | 0 | 0.00 | 4 | 3.24 | 2.68 |
| 89 TYRRELL | 0 | 0.00 | 2 | 9.62 | 9.08 |
| 90 UNION | 2 | 2.56 | 19 | 5.07 | 6.33 |
| 91 VANCE | 3 | 7.82 | 20 | 10.66 | 9.82 |
| 92 WAKE | 34 | 9.60 | 134 | 8.17 | 8.06 |
| 93 WARREN | 1 | 6.09 | 15 | 18.35 | 10.49 |
| 94 WASHINGTON | 0 | 0.00 | 4 | 5.51 | 2.99 |
| 95 WATAUGA | 0 | 0.00 | 4 | 2.38 | 1.97 |
| 96 WAYNE | 17 | 17.23 | 68 | 13.87 | 11.99 |
| 97 WILKES | 3 | 4.93 | 22 | 7.33 | 11.37 |
| 98 WILSON | 10 | 15.54 | 48 | 15.00 | 13.69 |
| 99 YADKIN | 1 | 3.40 | 7 | 4.78 | 3.75 |
| 100 YANCEY | 0 | 0.00 | 2 | 2.61 | 1.73 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# HOMICIDE

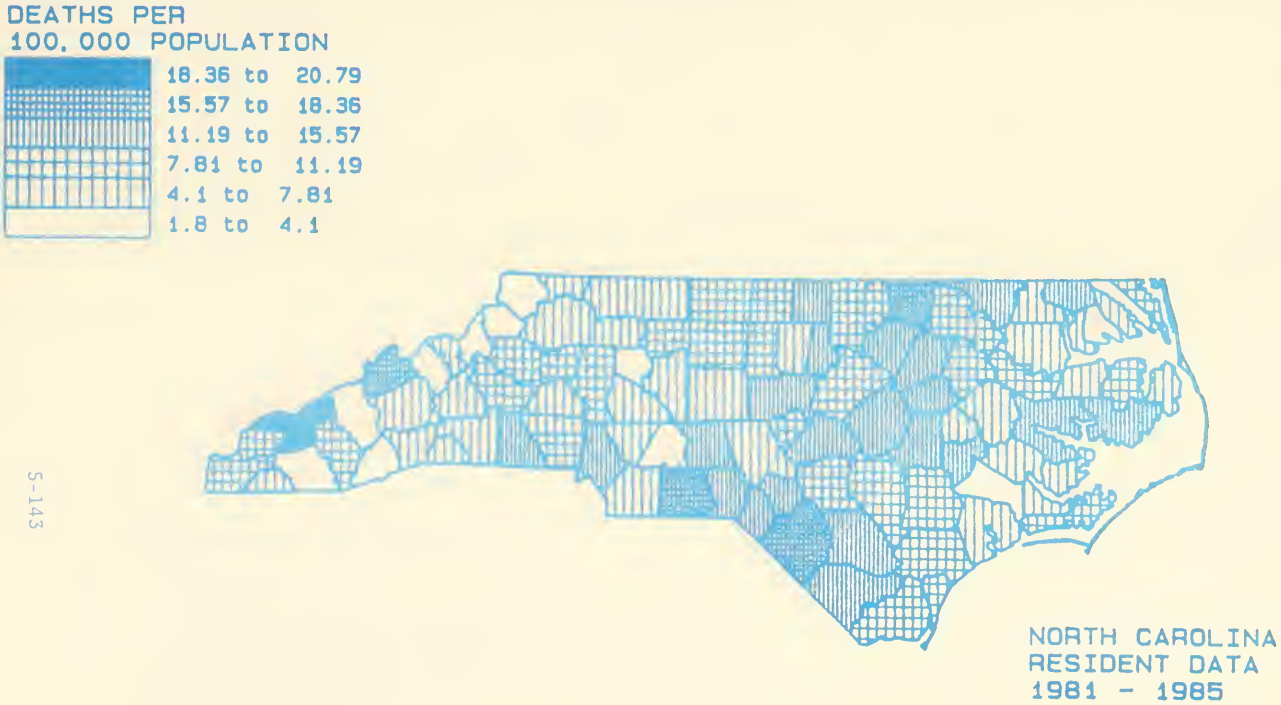



FIGURE 27.A

# HOMICIDE

MORTALITY RATES PER
100,000 POPULATION

17.79 to 21.18
16.26 to 17.79
12.22 to 16.26
8.66 to 12.22
5.06 to 8.66
1.74 to 5.06

AGE-RACE-SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 27.B

TABLE 28

MORTALITY STATISTICS FOR 1985

NORTH CAROLINA RESIDENTS

INFANT DEATHS

| GEOGRAPHICAL AREA | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| NORTH CAROLINA | 1070 | 11.96 | 5535 | 12.90 | 0.00 |
| REGIONS | | | | | |
| DHR I WESTERN | 307 | 10.88 | 1579 | 11.62 | 0.00 |
| DHR II N. CENTRAL | 205 | 11.89 | 1037 | 12.74 | 0.00 |
| DHR III S. CENTRAL | 275 | 12.06 | 1500 | 13.88 | 0.00 |
| DHR IV EASTERN | 283 | 13.36 | 1419 | 13.69 | 0.00 |
| HSA I WESTERN | 134 | 10.39 | 733 | 11.59 | 0.00 |
| HSA II PIEDMONT | 166 | 10.97 | 870 | 12.14 | 0.00 |
| HSA III S. PIEDMONT | 173 | 11.30 | 846 | 11.65 | 0.00 |
| HSA IV CAPITAL | 187 | 14.54 | 849 | 14.63 | 0.00 |
| HSA V CARDINAL | 160 | 10.50 | 1010 | 13.40 | 0.00 |
| HSA VI EASTERN | 250 | 13.91 | 1227 | 13.92 | 0.00 |
| COUNTIES | | | | | |
| 1 ALAMANCE | 10 | 7.75 | 84 | 13.99 | 0.00 |
| 2 ALEXANDER | 3 | 9.25 | 21 | 12.62 | 0.00 |
| 3 ALLEGHANY | 0 | 0.00 | 5 | 9.52 | 0.00 |
| 4 ANSON | 5 | 14.16 | 30 | 16.42 | 0.00 |
| 5 ASHE | 4 | 17.93 | 14 | 10.98 | 0.00 |
| 6 AVERY | 0 | 0.00 | 8 | 8.33 | 0.00 |
| 7 BEAUFORT | 6 | 10.08 | 29 | 10.15 | 0.00 |
| 8 BERTIE | 8 | 25.80 | 29 | 17.73 | 0.00 |
| 9 BLADEN | 3 | 8.84 | 25 | 12.89 | 0.00 |
| 10 BRUNSWICK | 4 | 6.05 | 30 | 10.31 | 0.00 |
| 11 BUNCOMBE | 18 | 8.76 | 100 | 10.03 | 0.00 |
| 12 BURKE | 8 | 9.28 | 49 | 11.48 | 0.00 |
| 13 CABARRUS | 10 | 8.05 | 59 | 10.04 | 0.00 |
| 14 CALDWELL | 10 | 11.27 | 47 | 11.02 | 0.00 |
| 15 CAMDEN | 0 | 0.00 | 2 | 6.02 | 0.00 |
| 16 CARTERET | 11 | 14.92 | 44 | 12.47 | 0.00 |
| 17 CASWELL | 1 | 3.87 | 13 | 10.06 | 0.00 |
| 18 CATAWBA | 21 | 14.09 | 94 | 13.54 | 0.00 |
| 19 CHATHAM | 6 | 11.29 | 33 | 13.29 | 0.00 |
| 20 CHEROKEE | 1 | 4.73 | 8 | 7.07 | 0.00 |
| 21 CHOWAN | 2 | 10.86 | 13 | 14.13 | 0.00 |
| 22 CLAY | 2 | 27.02 | 3 | 7.53 | 0.00 |
| 23 CLEVELAND | 16 | 14.29 | 91 | 16.75 | 0.00 |
| 24 COLUMBUS | 11 | 14.58 | 66 | 16.62 | 0.00 |
| 25 CRAVEN | 24 | 14.95 | 101 | 13.00 | 0.00 |
| 26 CUMBERLAND | 51 | 9.30 | 358 | 13.43 | 0.00 |
| 27 CURRITUCK | 4 | 22.59 | 19 | 21.66 | 0.00 |
| 28 DARE | 2 | 8.00 | 8 | 6.90 | 0.00 |
| 29 DAVIDSON | 16 | 10.01 | 80 | 10.84 | 0.00 |
| 30 DAVIE | 2 | 7.04 | 16 | 11.38 | 0.00 |
| 31 DUPLIN | 7 | 12.19 | 48 | 17.12 | 0.00 |
| 32 DURHAM | 29 | 11.84 | 161 | 14.87 | 0.00 |
| 33 EDGECOMBE | 17 | 18.99 | 70 | 16.15 | 0.00 |
| 34 FORSYTH | 51 | 14.72 | 202 | 12.46 | 0.00 |
| 35 FRANKLIN | 8 | 18.73 | 24 | 12.28 | 0.00 |
| 36 GASTON | 25 | 10.32 | 157 | 13.40 | 0.00 |
| 37 GATES | 3 | 21.27 | 9 | 14.92 | 0.00 |
| 38 GRAHAM | 0 | 0.00 | 3 | 6.18 | 0.00 |
| 39 GRANVILLE | 8 | 15.77 | 34 | 15.53 | 0.00 |
| 40 GREENE | 2 | 8.33 | 19 | 16.40 | 0.00 |
| 41 GUILFORD | 54 | 12.51 | 268 | 12.93 | 0.00 |

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
INFANT DEATHS CONT'D.

| COUNTIES (CONT'D) | NUMBER OF DEATHS 1985 | DEATH RATE* 1985 | NUMBER OF DEATHS 1981-85 | DEATH RATE* 1981-85 | ADJUSTED DEATH RATE+ 1981-85 |
|---|---|---|---|---|---|
| 42 HALIFAX | 14 | 16.74 | 77 | 17.47 | 0.00 |
| 43 HARNETT | 9 | 8.15 | 56 | 11.32 | 0.00 |
| 44 HAYWOOD | 7 | 13.48 | 29 | 11.48 | 0.00 |
| 45 HENDERSON | 7 | 8.68 | 37 | 9.85 | 0.00 |
| 46 HERTFORD | 4 | 11.76 | 26 | 14.36 | 0.00 |
| 47 HOKE | 2 | 6.02 | 22 | 13.01 | 0.00 |
| 48 HYDE | 1 | 14.70 | 10 | 24.63 | 0.00 |
| 49 IREDELL | 10 | 9.09 | 48 | 8.91 | 0.00 |
| 50 JACKSON | 4 | 13.98 | 19 | 12.96 | 0.00 |
| 51 JOHNSTON | 11 | 10.96 | 56 | 11.45 | 0.00 |
| 52 JONES | 2 | 12.98 | 12 | 17.54 | 0.00 |
| 53 LEE | 15 | 23.43 | 50 | 16.54 | 0.00 |
| 54 LENOIR | 16 | 20.43 | 63 | 15.52 | 0.00 |
| 55 LINCOLN | 7 | 12.38 | 36 | 12.56 | 0.00 |
| 56 MCDOWELL | 4 | 8.84 | 27 | 12.17 | 0.00 |
| 57 MACON | 3 | 12.39 | 11 | 9.09 | 0.00 |
| 58 MADISON | 1 | 5.95 | 14 | 15.31 | 0.00 |
| 59 MARTIN | 3 | 8.21 | 28 | 15.14 | 0.00 |
| 60 MECKLENBURG | 83 | 12.13 | 390 | 12.21 | 0.00 |
| 61 MITCHELL | 2 | 10.36 | 9 | 9.44 | 0.00 |
| 62 MONTGOMERY | 8 | 25.39 | 29 | 18.54 | 0.00 |
| 63 MOORE | 4 | 5.82 | 34 | 9.65 | 0.00 |
| 64 NASH | 24 | 22.77 | 92 | 17.89 | 0.00 |
| 65 NEW HANOVER | 13 | 8.89 | 77 | 10.90 | 0.00 |
| 66 NORTHAMPTON | 4 | 13.74 | 19 | 12.01 | 0.00 |
| 67 ONSLOW | 36 | 10.52 | 196 | 12.52 | 0.00 |
| 68 ORANGE | 13 | 13.03 | 57 | 12.32 | 0.00 |
| 69 PAMLICO | 3 | 21.42 | 10 | 14.70 | 0.00 |
| 70 PASQUOTANK | 3 | 6.72 | 24 | 10.52 | 0.00 |
| 71 PENDER | 5 | 15.38 | 19 | 12.14 | 0.00 |
| 72 PERQUIMANS | 2 | 15.26 | 5 | 7.35 | 0.00 |
| 73 PERSON | 3 | 8.54 | 27 | 15.28 | 0.00 |
| 74 PITT | 15 | 10.75 | 95 | 13.99 | 0.00 |
| 75 POLK | 3 | 23.07 | 7 | 10.52 | 0.00 |
| 76 RANDOLPH | 12 | 9.18 | 51 | 8.58 | 0.00 |
| 77 RICHMOND | 7 | 11.98 | 48 | 16.15 | 0.00 |
| 78 ROBESON | 28 | 16.26 | 128 | 14.34 | 0.00 |
| 79 ROCKINGHAM | 9 | 7.78 | 63 | 11.59 | 0.00 |
| 80 ROWAN | 16 | 11.90 | 64 | 9.96 | 0.00 |
| 81 RUTHERFORD | 4 | 5.39 | 46 | 13.04 | 0.00 |
| 82 SAMPSON | 4 | 6.65 | 44 | 13.54 | 0.00 |
| 83 SCOTLAND | 6 | 11.67 | 44 | 17.17 | 0.00 |
| 84 STANLY | 5 | 7.45 | 25 | 8.08 | 0.00 |
| 85 STOKES | 3 | 7.26 | 29 | 14.01 | 0.00 |
| 86 SURRY | 6 | 8.43 | 52 | 14.59 | 0.00 |
| 87 SWAIN | 2 | 12.65 | 14 | 16.12 | 0.00 |
| 88 TRANSYLVANIA | 2 | 7.22 | 18 | 12.66 | 0.00 |
| 89 TYRRELL | 0 | 0.00 | 4 | 13.15 | 0.00 |
| 90 UNION | 17 | 15.09 | 67 | 12.53 | 0.00 |
| 91 VANCE | 11 | 19.06 | 58 | 20.99 | 0.00 |
| 92 WAKE | 74 | 14.41 | 325 | 14.51 | 0.00 |
| 93 WARREN | 9 | 37.19 | 24 | 21.64 | 0.00 |
| 94 WASHINGTON | 4 | 18.60 | 16 | 14.23 | 0.00 |
| 95 WATAUGA | 3 | 8.21 | 12 | 6.43 | 0.00 |
| 96 WAYNE | 19 | 11.85 | 100 | 12.43 | 0.00 |
| 97 WILKES | 8 | 10.75 | 38 | 10.32 | 0.00 |
| 98 WILSON | 14 | 15.69 | 59 | 12.69 | 0.00 |
| 99 YADKIN | 2 | 5.95 | 12 | 7.50 | 0.00 |
| 100 YANCEY | 1 | 5.78 | 9 | 10.47 | 0.00 |

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

# INFANT DEATH RATES

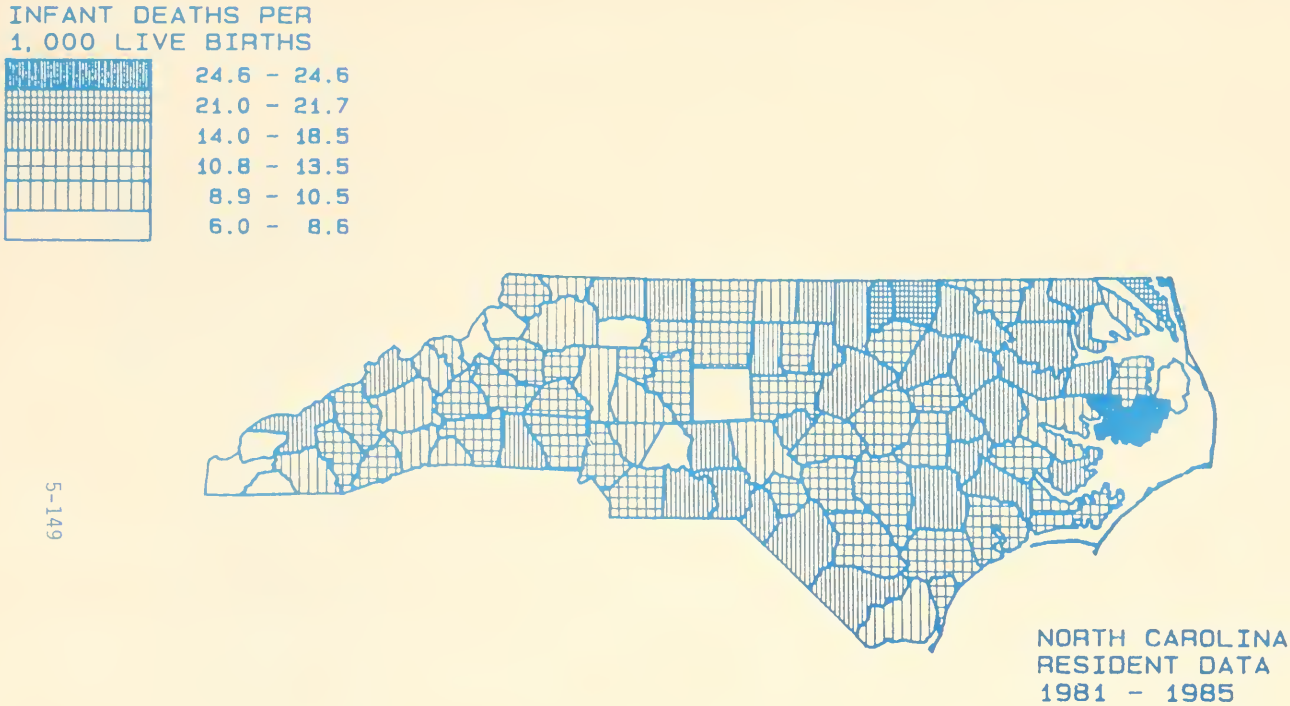



FIGURE 28

# VI. TABLES AND FIGURES: MULTIPLE CONDITIONS PRESENT AT DEATH 1981-85

TABLE 29

DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED CONDITIONS, NORTH CAROLINA RESIDENTS, 1985

| | Underlying Cause of Death | Total Under-lying* | Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Diseases of heart | 19069 | 19069 | 7564 | 8477 | 2380 | 1866 | 8636 | 785 | 18 | 92 | 15 | 145 | 80 |
| 2 | Acute myocardial infarction | 7521 | 7521 | 7521 | 2916 | 862 | 455 | 2997 | 234 | 2 | 24 | 5 | 56 | 22 |
| 3 | Other forms of ischemic heart disease | 5480 | 5480 | 0 | 5480 | 558 | 542 | 3566 | 240 | 9 | 29 | 3 | 44 | 18 |
| 4 | Hypertension with or without renal disease | 231 | 118 | 0 | 0 | 230 | 16 | 49 | 9 | 0 | 0 | 0 | 3 | 2 |
| 5 | Cerebrovascular disease | 4633 | 1502 | 67 | 370 | 663 | 4633 | 1633 | 145 | 5 | 24 | 3 | 12 | 17 |
| 6 | Atherosclerosis | 529 | 322 | 0 | 0 | 0 | 0 | 529 | 21 | 1 | 5 | 0 | 1 | 5 |
| 7 | Cancer | 11159 | 2705 | 74 | 383 | 227 | 298 | 488 | 11159 | 285 | 1243 | 596 | 3129 | 1061 |
| 8 | Stomach | 280 | 64 | 3 | 5 | 6 | 6 | 10 | 280 | 280 | 1 | 1 | 1 | 0 |
| 9 | Colon, rectum, rectosigmoid junction & anus | 1215 | 296 | 14 | 46 | 29 | 29 | 64 | 1215 | 1 | 1215 | 0 | 4 | 4 |
| 10 | Pancreas | 593 | 152 | 2 | 19 | 14 | 12 | 23 | 593 | 0 | 3 | 593 | 1 | 1 |
| 11 | Trachea, bronchus and lung | 3105 | 686 | 16 | 124 | 45 | 62 | 133 | 3105 | 0 | 10 | 0 | 3105 | 6 |
| 12 | Female breast | 1042 | 185 | 3 | 17 | 23 | 21 | 22 | 1042 | 0 | 2 | 0 | 2 | 1042 |
| 13 | Cervix uteri | 161 | 42 | 0 | 4 | 4 | 4 | 4 | 161 | 0 | 0 | 0 | 0 | 0 |
| 14 | Ovary & other uterine adnexa | 288 | 79 | 2 | 7 | 11 | 5 | 9 | 288 | 0 | 2 | 0 | 0 | 1 |
| 15 | Prostate | 679 | 222 | 8 | 38 | 16 | 34 | 47 | 679 | 1 | 3 | 0 | 1 | 0 |
| 16 | Leukemia | 394 | 101 | 3 | 9 | 5 | 25 | 12 | 394 | 0 | 2 | 0 | 0 | 3 |
| 17 | Diabetes Mellitus | 869 | 606 | 164 | 220 | 179 | 191 | 302 | 26 | 0 | 9 | 2 | 1 | 5 |
| 18 | Pneumonia & Influenza | 1767 | 750 | 55 | 176 | 58 | 246 | 314 | 132 | 3 | 11 | 2 | 20 | 11 |
| 19 | Chronic obstructive pulmonary disease & allied conditions | 1675 | 828 | 52 | 169 | 53 | 76 | 217 | 115 | 1 | 11 | 0 | 56 | 7 |
| 20 | Chronic liver disease and cirrhosis | 567 | 146 | 4 | 16 | 8 | 7 | 24 | 16 | 0 | 1 | 0 | 1 | 1 |
| 21 | Nephritis, nephrotic syndrome & nephrosis | 619 | 355 | 33 | 41 | 11 | 46 | 59 | 28 | 0 | 5 | 0 | 0 | 1 |
| 22 | Motor vehicle accidents | 1513 | 79 | 5 | 9 | 5 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | All other accidents & adverse effects | 1454 | 300 | 14 | 45 | 32 | 48 | 71 | 27 | 1 | 4 | 0 | 4 | 3 |
| 24 | Suicide | 790 | 37 | 2 | 4 | 4 | 3 | 9 | 17 | 0 | 1 | 1 | 3 | 1 |
| 25 | Homicide | 564 | 23 | 1 | 5 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL DEATHS** | 53018 | 29670 | 8231 | 10336 | 4126 | 7939 | 13050 | 12786 | 321 | 1433 | 629 | 3426 | 1216 |

TABLE 29 — Continued

## DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED CONDITIONS, NORTH CAROLINA RESIDENTS, 1985

| | Underlying Cause of Death | Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | Alcohol |
| 1 | Diseases of heart | 4 | 13 | 152 | 37 | 1838 | 695 | 1377 | 104 | 751 | 8 | 460 | 0 | 2 | 229 |
| 2 | Acute myocardial infarction | 1 | 2 | 49 | 10 | 833 | 149 | 441 | 23 | 190 | 2 | 92 | 0 | 0 | 61 |
| 3 | Other forms of ischemic heart disease | 2 | 5 | 40 | 14 | 522 | 228 | 496 | 37 | 221 | 2 | 155 | 0 | 2 | 100 |
| 4 | Hypertension with or without renal disease | 0 | 0 | 0 | 1 | 32 | 9 | 8 | 0 | 7 | 0 | 4 | 0 | 0 | 9 |
| 5 | Cerebrovascular disease | 2 | 1 | 36 | 12 | 417 | 387 | 143 | 20 | 134 | 1 | 202 | 0 | 1 | 22 |
| 6 | Atherosclerosis | 0 | 0 | 1 | 0 | 36 | 41 | 18 | 3 | 63 | 0 | 14 | 0 | 0 | 4 |
| 7 | Cancer | 165 | 291 | 717 | 414 | 361 | 629 | 600 | 50 | 353 | 0 | 265 | 0 | 0 | 38 |
| 8 | Stomach | 0 | 1 | 1 | 0 | 3 | 8 | 7 | 3 | 7 | 0 | 3 | 0 | 0 | 0 |
| 9 | Colon, rectum, rectosigmoid junction & anus | 0 | 0 | 8 | 3 | 42 | 37 | 31 | 3 | 38 | 0 | 43 | 0 | 0 | 2 |
| 10 | Pancreas | 0 | 0 | 1 | 0 | 48 | 20 | 10 | 2 | 12 | 0 | 6 | 0 | 0 | 2 |
| 11 | Trachea, bronchus and lung | 2 | 1 | 15 | 9 | 65 | 242 | 363 | 14 | 26 | 0 | 53 | 0 | 0 | 14 |
| 12 | Female breast | 1 | 0 | 0 | 1 | 28 | 27 | 17 | 0 | 12 | 0 | 20 | 0 | 0 | 1 |
| 13 | Cervix uteri | 161 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 21 | 0 | 7 | 0 | 0 | 0 |
| 14 | Ovary & other uterine adnexa | 0 | 288 | 0 | 0 | 6 | 2 | 1 | 1 | 13 | 0 | 9 | 0 | 0 | 0 |
| 15 | Prostate | 0 | 0 | 679 | 2 | 25 | 42 | 31 | 1 | 71 | 0 | 9 | 0 | 0 | 3 |
| 16 | Leukemia | 0 | 0 | 1 | 394 | 8 | 49 | 7 | 0 | 20 | 0 | 16 | 0 | 0 | 0 |
| 17 | Diabetes Mellitus | 0 | 0 | 4 | 2 | 869 | 41 | 21 | 5 | 121 | 0 | 30 | 0 | 0 | 12 |
| 18 | Pneumonia & Influenza | 1 | 2 | 19 | 11 | 88 | 1767 | 156 | 29 | 121 | 0 | 25 | 0 | 0 | 38 |
| 19 | Chronic obstructive pulmonary disease & allied conditions | 2 | 0 | 17 | 5 | 51 | 283 | 1675 | 9 | 50 | 1 | 55 | 0 | 0 | 19 |
| 20 | Chronic liver disease and cirrhosis | 0 | 0 | 1 | 1 | 24 | 31 | 19 | 562 | 52 | 0 | 10 | 0 | 0 | 269 |
| 21 | Nephritis, nephrotic syndrome & nephrosis | 0 | 0 | 2 | 3 | 28 | 41 | 14 | 6 | 619 | 0 | 22 | 0 | 0 | 6 |
| 22 | Motor vehicle accidents | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 5 | 7 | 1513 | 9 | 0 | 0 | 125 |
| 23 | All other accidents & adverse effects | 2 | 0 | 5 | 2 | 32 | 30 | 34 | 15 | 33 | 0 | 1454 | 0 | 0 | 195 |
| 24 | Suicide | 0 | 0 | 2 | 2 | 5 | 0 | 8 | 1 | 0 | 0 | 0 | 790 | 0 | 43 |
| 25 | Homicide | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 3 | 0 | 564 | 21 |
| | TOTAL DEATHS** | 181 | 310 | 1003 | 514 | 4130 | 4548 | 4375 | 903 | 2859 | 1530 | 3134 | 791 | 568 | 1436 |

*Numbers shown here are the final underlying frequencies. They are sometimes larger than numbers shown on the diagonal due to the fact that a sequnce of conditions may imply an underlying cause that is not specifically mentioned on the death certificate.

**Differences between these totals and the summation over causes are attributable to causes not given in the table.

Note: In this table, a death counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate.

## TABLE 30

## NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED TOGETHER, NORTH CAROLINA RESIDENTS, 1985

| | Conditions Mentioned on Death Certificate | Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Diseases of heart | 29670 | 8231 | 10336 | 3276 | 3952 | 11532 | 3816 | 91 | 437 | 177 | 894 | 298 |
| 2 | Acute myocardial infarction | 8231 | 8231 | 3054 | 935 | 568 | 3173 | 321 | 5 | 40 | 7 | 72 | 28 |
| 3 | Other forms of ischemic heart disease | 10336 | 3054 | 10336 | 1056 | 1237 | 6914 | 777 | 16 | 95 | 25 | 207 | 48 |
| 4 | Hypertension with or without renal disease | 3276 | 935 | 1056 | 4126 | 1220 | 1294 | 329 | 8 | 47 | 15 | 60 | 40 |
| 5 | Cerebrovascular disease | 3952 | 568 | 1237 | 1220 | 7939 | 3154 | 548 | 12 | 67 | 15 | 86 | 48 |
| 6 | Atherosclerosis | 11532 | 3173 | 6914 | 1294 | 3154 | 13050 | 976 | 21 | 137 | 30 | 203 | 80 |
| 7 | Cancer | 3816 | 321 | 777 | 329 | 548 | 976 | 12786 | 321 | 1433 | 629 | 3426 | 1216 |
| 8 | Stomach | 91 | 5 | 16 | 8 | 12 | 21 | 321 | 321 | 3 | 1 | 1 | 0 |
| 9 | Colon, rectum, rectosigmoid junction & anus | 437 | 40 | 95 | 47 | 67 | 137 | 1433 | 3 | 1433 | 3 | 16 | 7 |
| 10 | Pancreas | 177 | 7 | 25 | 15 | 15 | 30 | 629 | 1 | 3 | 629 | 1 | 1 |
| 11 | Trachea, bronchus and lung | 894 | 72 | 207 | 60 | 86 | 203 | 3426 | 1 | 16 | 1 | 3426 | 9 |
| 12 | Female breast | 298 | 28 | 48 | 40 | 48 | 80 | 1216 | 0 | 7 | 1 | 9 | 1216 |
| 13 | Cervix uteri | 53 | 1 | 6 | 5 | 7 | 7 | 181 | 0 | 1 | 0 | 2 | 1 |
| 14 | Ovary & other uterine adnexa | 93 | 4 | 13 | 11 | 9 | 16 | 310 | 1 | 3 | 0 | 2 | 2 |
| 15 | Prostate | 446 | 58 | 113 | 40 | 95 | 161 | 1003 | 2 | 15 | 1 | 21 | 0 |
| 16 | Leukemia | 164 | 14 | 29 | 11 | 45 | 40 | 514 | 1 | 5 | 0 | 9 | 4 |
| 17 | Diabetes Mellitus | 3095 | 1054 | 1306 | 947 | 944 | 1633 | 474 | 9 | 67 | 52 | 80 | 45 |
| 18 | Pneumonia & Influenza | 2142 | 233 | 611 | 217 | 885 | 1029 | 850 | 12 | 64 | 22 | 284 | 43 |
| 19 | Chronic obstructive pulmonary disease & allied conditions | 2801 | 530 | 1079 | 319 | 380 | 1283 | 798 | 9 | 57 | 10 | 452 | 29 |
| 20 | Chronic liver disease and cirrhosis | 326 | 30 | 88 | 40 | 30 | 102 | 71 | 3 | 6 | 2 | 16 | 1 |
| 21 | Nephritis, nephrotic syndrome & nephrosis | 1745 | 269 | 444 | 71 | 302 | 674 | 467 | 12 | 60 | 13 | 32 | 19 |
| 22 | Motor vehicle accidents | 89 | 8 | 12 | 6 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | All other accidents & adverse effects | 1184 | 137 | 344 | 130 | 351 | 471 | 358 | 5 | 62 | 8 | 63 | 34 |
| 24 | Suicide | 37 | 2 | 4 | 4 | 3 | 9 | 17 | 0 | 1 | 1 | 3 | 1 |
| 25 | Homicide | 25 | 1 | 7 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Alcohol-related conditions | 471 | 68 | 153 | 76 | 43 | 143 | 46 | 0 | 3 | 2 | 14 | 1 |
| | TOTAL DEATHS* | 29670 | 8231 | 10336 | 4126 | 7939 | 13050 | 12786 | 321 | 1433 | 629 | 3426 | 1216 |

TABLE 30 — Continued

## NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED TOGETHER, NORTH CAROLINA RESIDENTS, 1985

| | Conditions Mentioned on Death Certificate | Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | Alcohol |
| 1 | Diseases of heart | 53 | 93 | 446 | 164 | 3095 | 2142 | 2801 | 326 | 1745 | 89 | 1184 | 37 | 25 | 471 |
| 2 | Acute myocardial infarction | 1 | 4 | 58 | 14 | 1054 | 233 | 530 | 30 | 269 | 8 | 137 | 2 | 1 | 68 |
| 3 | Other forms of ischemic heart disease | 6 | 13 | 113 | 29 | 1306 | 611 | 1079 | 88 | 444 | 12 | 344 | 4 | 7 | 153 |
| 4 | Hypertension with or without renal disease | 5 | 11 | 40 | 11 | 947 | 217 | 319 | 40 | 71 | 6 | 130 | 4 | 0 | 76 |
| 5 | Cerebrovascular disease | 7 | 9 | 95 | 45 | 944 | 885 | 380 | 30 | 302 | 7 | 351 | 3 | 4 | 43 |
| 6 | Atherosclerosis | 7 | 16 | 161 | 40 | 1633 | 1029 | 1283 | 102 | 674 | 10 | 471 | 9 | 4 | 143 |
| 7 | Cancer | 181 | 310 | 1003 | 514 | 474 | 850 | 798 | 71 | 467 | 0 | 358 | 17 | 0 | 46 |
| 8 | Stomach | 0 | 1 | 2 | 1 | 9 | 12 | 9 | 3 | 12 | 0 | 5 | 0 | 0 | 0 |
| 9 | Colon, rectum, rectosigmoid junction & anus | 1 | 3 | 15 | 5 | 67 | 64 | 57 | 6 | 60 | 0 | 62 | 1 | 0 | 3 |
| 10 | Pancreas | 0 | 0 | 1 | 0 | 52 | 22 | 10 | 2 | 13 | 0 | 8 | 1 | 0 | 2 |
| 11 | Trachea, bronchus and lung | 2 | 2 | 21 | 9 | 80 | 284 | 452 | 16 | 32 | 0 | 63 | 3 | 0 | 14 |
| 12 | Female breast | 1 | 2 | 0 | 4 | 45 | 43 | 29 | 1 | 19 | 0 | 34 | 1 | 0 | 1 |
| 13 | Cervix uteri | 181 | 0 | 0 | 0 | 4 | 7 | 3 | 0 | 22 | 0 | 9 | 0 | 0 | 0 |
| 14 | Ovary & other uterine adnexa | 0 | 310 | 0 | 0 | 7 | 4 | 2 | 1 | 15 | 0 | 10 | 0 | 0 | 0 |
| 15 | Prostate | 0 | 0 | 1003 | 4 | 49 | 83 | 68 | 2 | 91 | 0 | 26 | 2 | 0 | 3 |
| 16 | Leukemia | 0 | 0 | 4 | 514 | 16 | 67 | 17 | 1 | 27 | 0 | 23 | 2 | 0 | 1 |
| 17 | Diabetes Mellitus | 4 | 7 | 49 | 16 | 4130 | 288 | 231 | 54 | 353 | 2 | 145 | 5 | 0 | 49 |
| 18 | Pneumonia & Influenza | 7 | 4 | 83 | 67 | 288 | 4548 | 637 | 74 | 316 | 0 | 146 | 0 | 1 | 106 |
| 19 | Chronic obstructive pulmonary disease & allied conditions | 3 | 2 | 68 | 17 | 231 | 637 | 4375 | 61 | 149 | 7 | 188 | 8 | 2 | 103 |
| 20 | Chronic liver disease and cirrhosis | 0 | 1 | 2 | 1 | 54 | 74 | 61 | 903 | 78 | 5 | 39 | 1 | 2 | 371 |
| 21 | Nephritis, nephrotic syndrome & nephrosis | 22 | 15 | 91 | 27 | 353 | 316 | 149 | 78 | 2859 | 7 | 133 | 0 | 1 | 68 |
| 22 | Motor vehicle accidents | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 5 | 7 | 1530 | 9 | 0 | 0 | 126 |
| 23 | All other accidents & adverse effects | 9 | 10 | 26 | 23 | 145 | 146 | 188 | 39 | 133 | 9 | 3134 | 0 | 3 | 247 |
| 24 | Suicide | 0 | 0 | 2 | 2 | 5 | 0 | 8 | 1 | 0 | 0 | 0 | 791 | 0 | 43 |
| 25 | Homicide | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 3 | 0 | 568 | 21 |
| 26 | Alcohol-related conditions | 0 | 0 | 3 | 1 | 49 | 106 | 103 | 371 | 68 | 126 | 247 | 43 | 21 | 1436 |
| | TOTAL DEATHS* | 181 | 310 | 1003 | 514 | 4130 | 4548 | 4375 | 903 | 2859 | 1530 | 3134 | 791 | 568 | 1436 |

*Differences between these totals and the summation over causes are attributable to causes not given in the table and to multiple counting of a condition if it appears in combination with more than one other condition on a certificate.

Note: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate. Also, the ICD-9 codes used to count hypertension and atherosclerosis mentions are different from the codes used to count underlying cause elsewhere in this report. For further explanation, see *Multiple Conditions Present at Death: A Special Study*, SCHS, 1982.

# CONDITIONS MENTIONED - HYPERTENSION

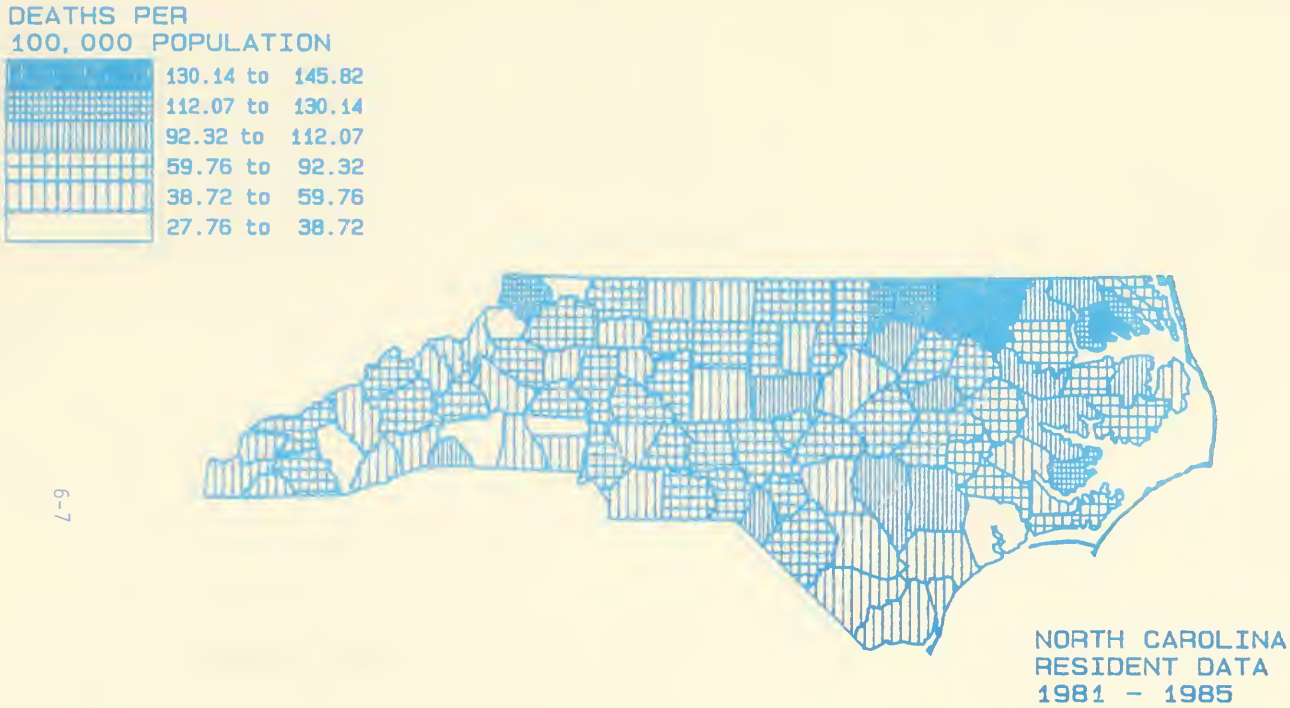



FIGURE 29.A

# CONDITIONS MENTIONED - HYPERTENSION

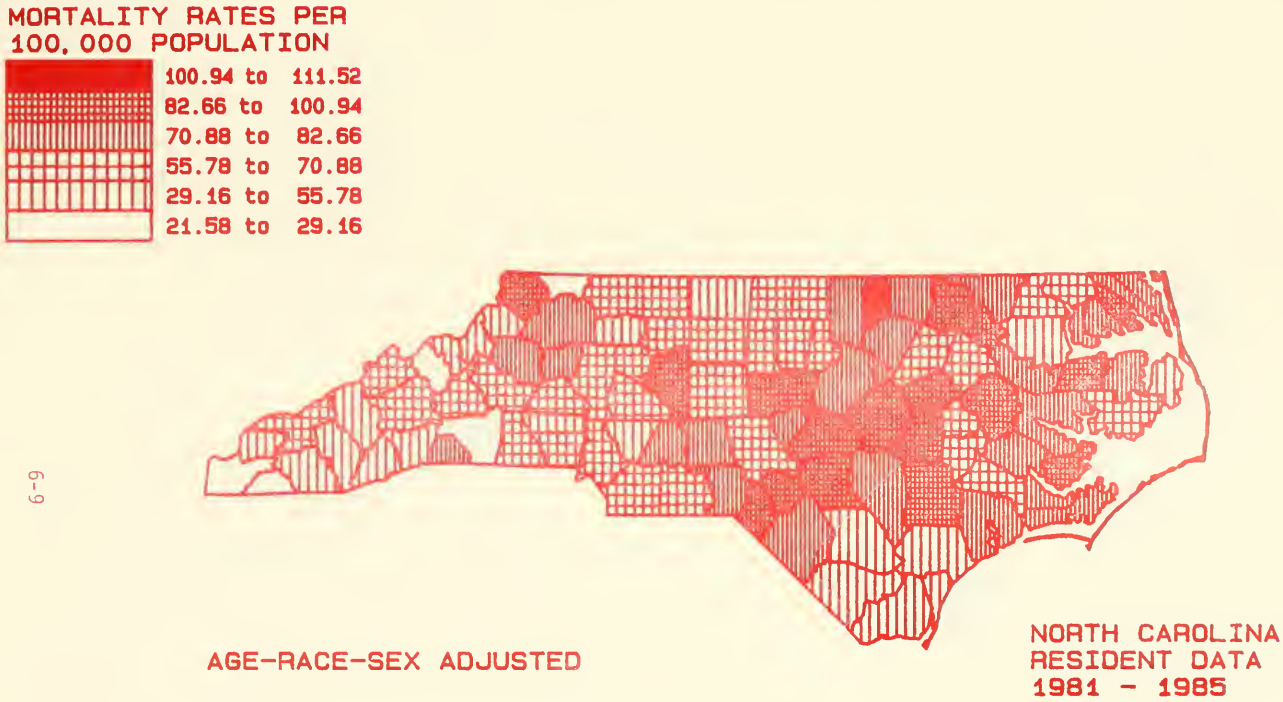



FIGURE 29.B

# CONDITIONS MENTIONED - ATHEROSCLEROSIS

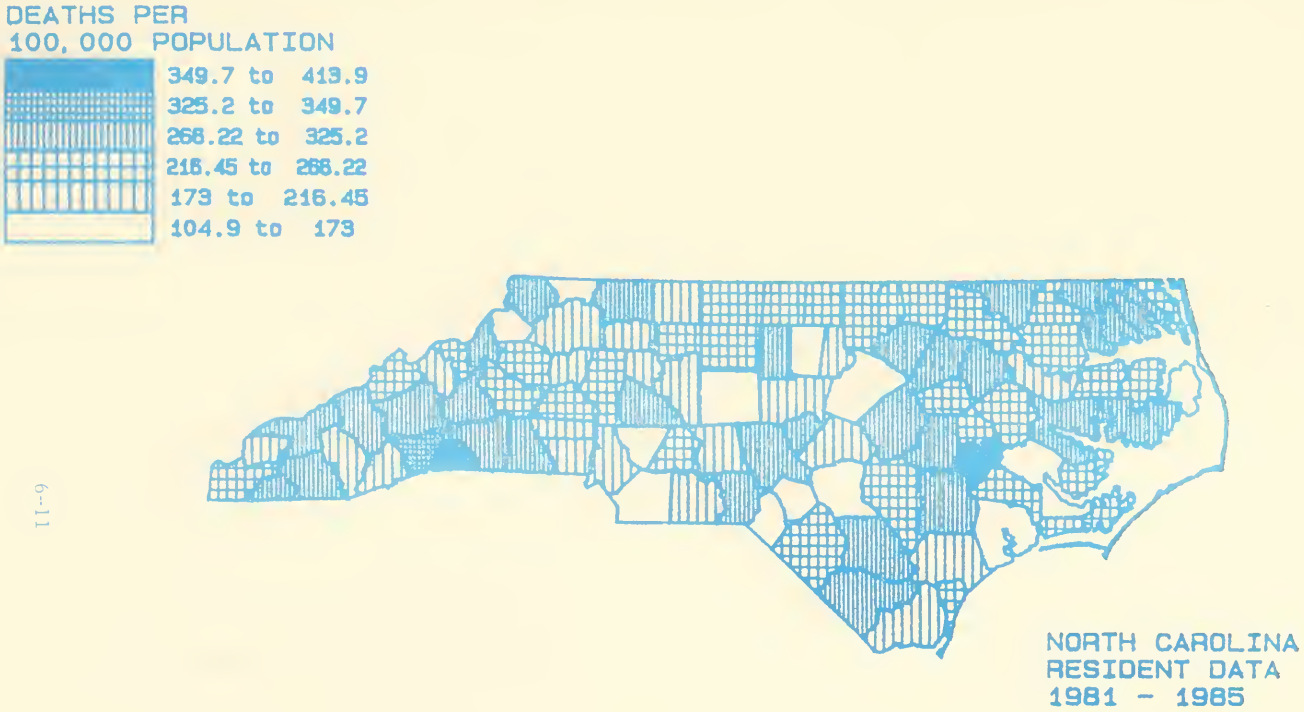



FIGURE 30.A

# CONDITIONS MENTIONED - ATHEROSCLEROSIS

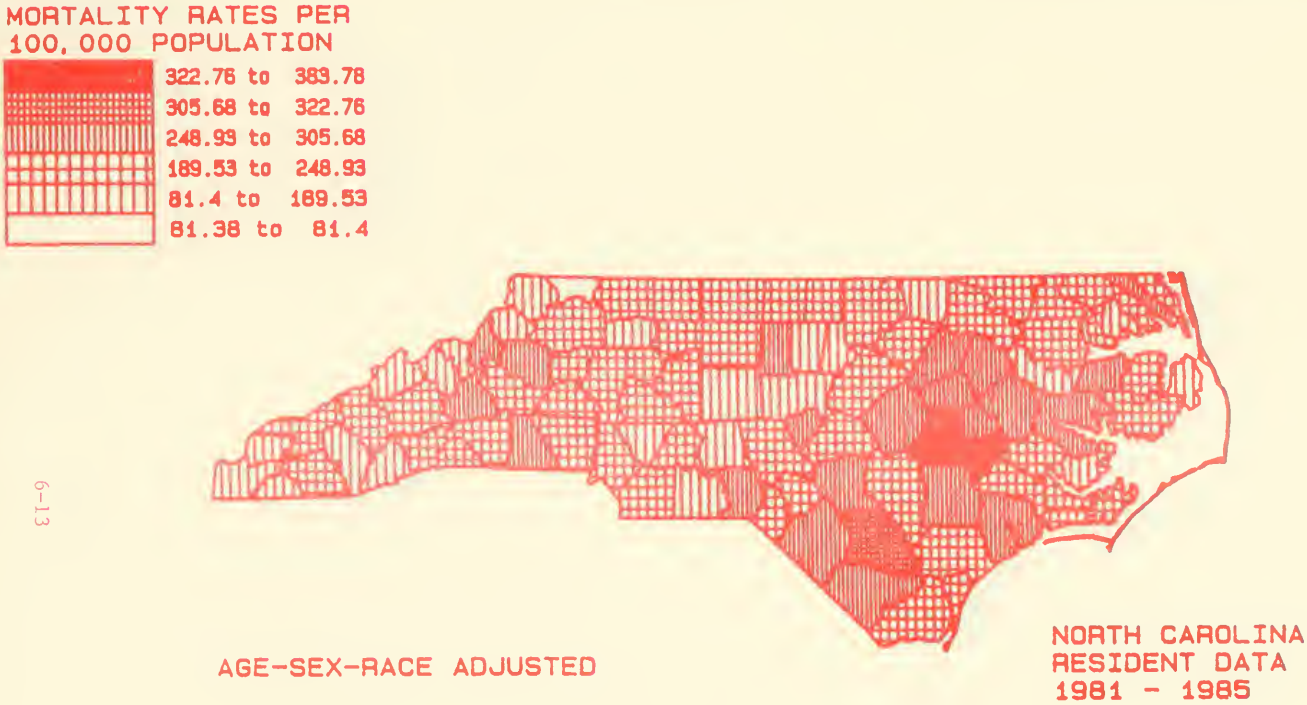



FIGURE 30.a

# CONDITIONS MENTIONED - DIABETES

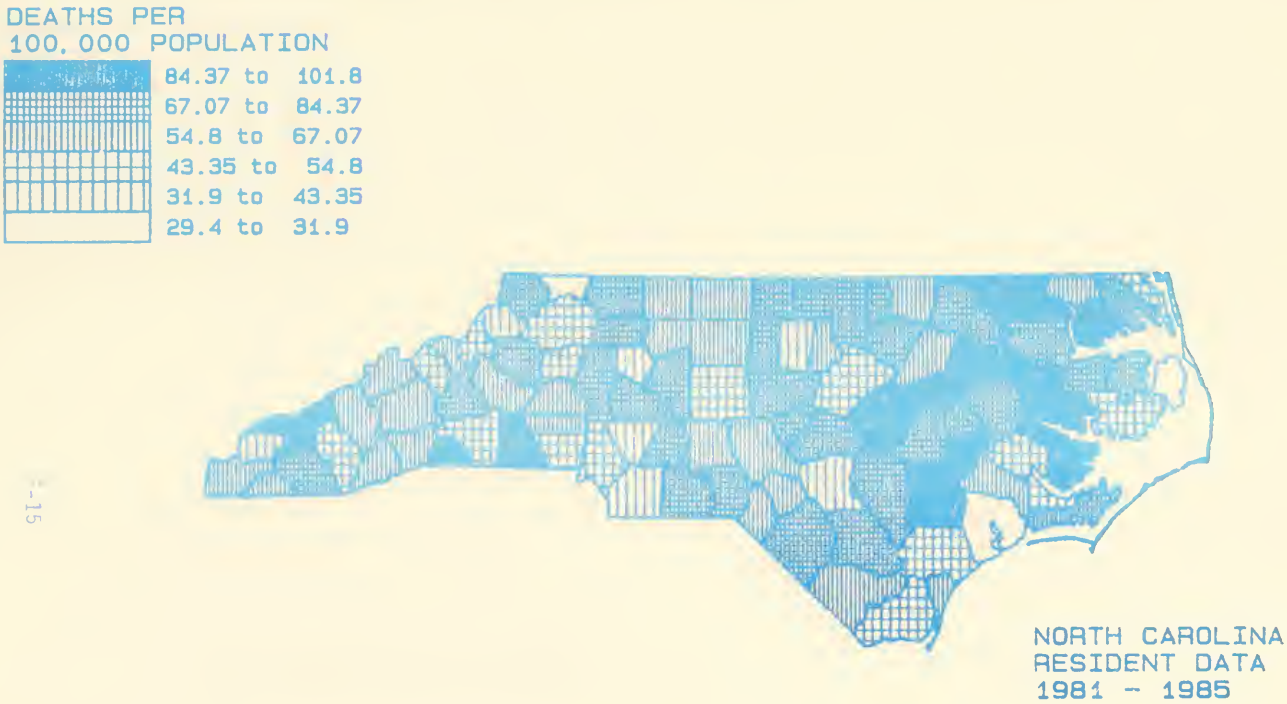



FIGURE 31.A

# CONDITIONS MENTIONED - DIABETES

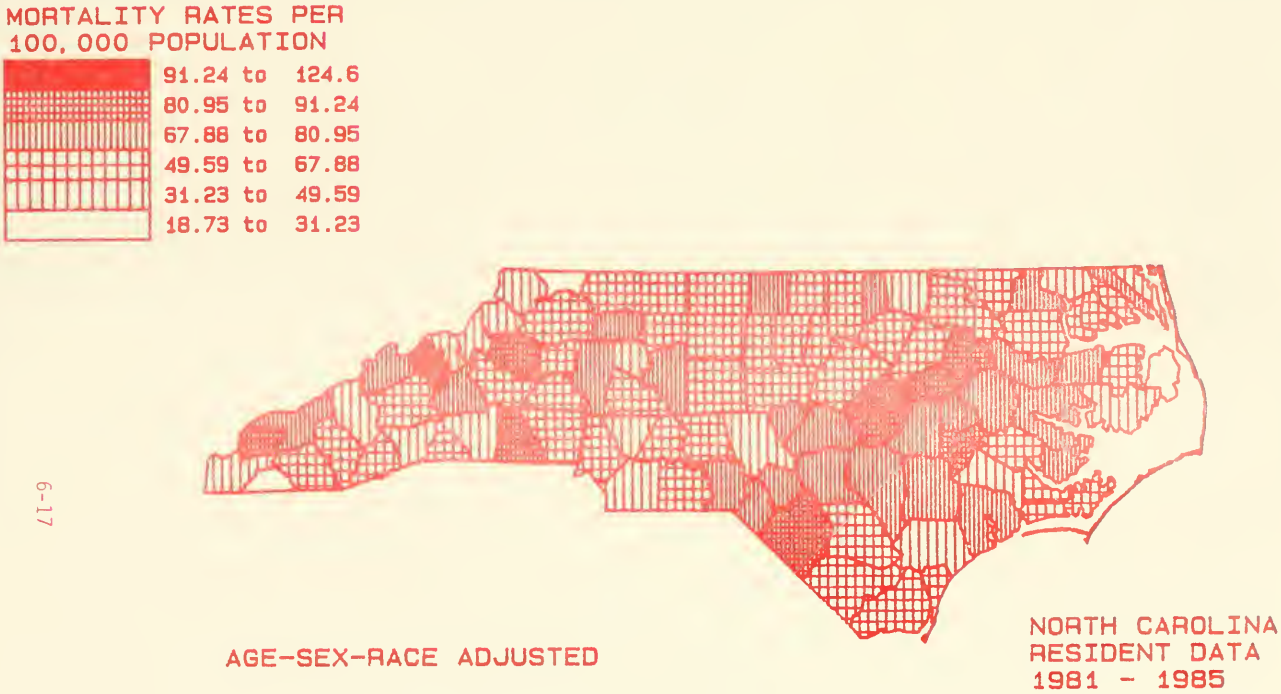



FIGURE 31.B

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2. Kleinman, J.C. "Infant Mortality," *Statistical Notes for Health Planners*. Number 2, National Center for Health Statistics, Rockville, Maryland, July 1976.

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