# PREVALENCE RATES AND SERVICE NEEDS OF HANDICAPPED CITIZENS IN NEW CASTLE COUNTY

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# PREVALENCE RATES AND SERVICE NEEDS OF HANDICAPPED CITIZENS IN NEW CASTLE COUNTY

#### Background

Between July of 1985 and January of 1986, research was conducted to estimate the number of handicapped individuals in New Castle County and to determine what service needs of this population are currently not being met. A broad definition of handicapped was employed to permit the investigation of a wide range of disabilities. These included vision and hearing impairments, orthopedic impairments, cognitive disorders, chronic health conditions, emotional disorders, and multiple handicaps. Special emphasis was placed on comparing residents of Wilmington with individuals living in the county.

The study consisted of two components: a telephone survey and a synthetic estimation procedure. The telephone survey was designed to identify households in which one or more members were handicapped. Respondents were then interviewed regarding the nature of the disability and any services required as a result of the condition. The synthetic estimation procedure used prevalence rates for various conditions from the National Health Interview Survey to predict the prevalence of these conditions in New Castle County. Both portions of the study will be discussed below.

#### Telephone Survey

A random sample of 910 New Castle County households were contacted in September 1985. Of these, respondents from 289 households indicated the presence of one or more handicapped individuals and were subsequently interviewed. A total of 498 handicapped persons resided in households included in the study.

Defining Handicapped and Estimating Prevalence Rates

A screening question was used in the telephone survey to initially identify households with handicapped members. Respondents were read a list of disabilities, birth defects, and long-term health problems and asked if anyone in the household had these or similar problems. Health and demographic information was then collected for each member of the household.

Specific questions were asked to identify individuals with each of the following disabling conditions: vision impairments, hearing impairments, difficulty using arms or legs, paralysis, loss of limbs, learning problems, mental retardation, emotional problems, drug and alcohol dependency, cancer, diabetes, blood disorders, seizure disorders, heart trouble, kidney trouble, difficulty breathing, digestive problems, difficulty speaking,

and polio. Finally, respondents discussed problems the household experienced in any of the following service areas: employment, daily care, medical care, education, medical insurance, and transportation.

TABLE I
ESTIMATED PREVALENCE OF DISABLING CONDITIONS FOR
NEW CASTLE COUNTY AND RATES BY LOCATION
1985 POPULATION PROJECTIONS

|                       |             | CASTLE<br>JNTY | WITTM   | INGTON       | RAT         | ANCE         |
|-----------------------|-------------|----------------|---------|--------------|-------------|--------------|
|                       | Rate/       | MII            | Rate/   | INGION       | Rate/       | MCE          |
| C                     |             | Total          | •       | Tabal        |             | Total        |
| Condition             | <u>1000</u> | <u>Total</u>   | 1000    | <u>Total</u> | <u>1000</u> | <u>Total</u> |
| ALL CATEGORIES        | 192         | 77,189         | 165     | 11,393       | 200         | 66,595       |
| Difficulty in Seeing  | 43          | 17,287         | 35      | 2,417        | 46          | 15,317       |
| Difficulty in Hearing | 34          | 13,669         | 33      | 2,279        | 34          | 11,321       |
| Difficulty using Arms |             | -              |         |              |             |              |
| or Legs               | 46          | 18,493         | 46      | 3,176        | 45          | 14,984       |
| Paralysis             | 5           | 2,010          | 5       | 345          | 5           | 1,665        |
| Absence of Extremity  |             | -              | { Insuf | ficient      | Data }      |              |
| Learning Problems     | 14          | 5,628          | 7       | 483          | 17          | 5,661        |
| Mental Retardation    | 3           | 1,206          | 2       | 138          | 3           | 999          |
| Emotional Problems    | 17          | 6,834          | 13      | 898          | 19          | 6,327        |
| Drug Dependency       | 3           | 1,206          | 3       | 207          | 3           | 999          |
| Alcohol Dependency    | 4           | 1,608          | 5       | 345          | 4           | 1,332        |
| Cancer                | 13          | 5,226          | 13      | 898          | 14          | 4,662        |
| Diabetes              | 20          | 8,041          | 23      | 1,588        | 19          | 6,327        |
| Blood Disorders       | 3           | 1,206          | 2       | 138          | 3           | 999          |
| Seizure Disorders     | 10          | 4,020          | 5       | 345          | 12          | 3,996        |
| Heart Trouble         | 42          | 16,885         | 46      | 3,176        | 40          | 13,319       |
| Kidney Trouble        | 11          | 4,422          | 7       | 483          | 13          | 4,329        |
| Difficulty Breathing  | 31          | 12,463         | 40      | 2,762        | 29          | 9,656        |
| Digestive Problems    | 31          | 12,463         | 31      | 2,141        | 31          | 10,322       |
| Difficulty Speaking   | 10          | 4,020          | 7       | 483          | 11          | 3,663        |
| Polio                 |             | •              | { Insuf | ficient      | Data }      |              |

(NOTE: Balance refers to New Castle County residents who live outside the city of Wilmington.)

The total estimated prevalence of each condition for New Castle County is provided in Table I. Prevalence rates for New Castle County, Wilmington, and the balance (non-Wilmington residents) are also given. Rates were calculated by dividing the number of individuals with a condition by the total sample size. Total sample size includes all persons in households with handicapped members as well as persons in households contacted where no handicaps were present. Average household size (2.8) was chosen as an estimate of the size of households without handicapped

.

members. Thus, the following equation was used to calculate prevalence rates.

| Number | of | Individuals | with | Condition |
|--------|----|-------------|------|-----------|
|        |    |             |      |           |

| Prevalence<br>Rate | = |                              |   |  |   |   |
|--------------------|---|------------------------------|---|--|---|---|
|                    |   | Average<br>Household<br>Size | x | Number of<br>Households<br>w/out Handicaps | + | Persons in<br>Households<br>w/Handicaps |

#### Where:

Average Household Size = 2.8

Number of Households without Handicaps = 621

Persons in Households with Handicaps = 852

#### Categorizing Handicapping Conditions

In analyzing the data, handicapping conditions were divided into seven major categories according to type of handicap. Any individual having more than one handicap was classified as multiply handicapped. Those having a single handicapping condition were classified as follows:

- 1. Vision Impairment
- 2. Hearing Impairment
- Orthopedic Impairment: difficulty using arms or legs, paralysis, absence of extremities, polio
- 4. Chronic Health Problems: cancer, diabetes, blood disorders, seizure disorders, heart trouble, kidney trouble, difficulty breathing, digestive problems,
- 5. Cognitive Disorders: learning problems, mental retardation, difficulty speaking
- 6. Emotional/Drug Problems: emotional problems, drug dependency, alcohol dependency

TABLE II
DISTRIBUTION OF HANDICAPPED RESPONDENTS BY CATEGORY
FOR NEW CASTLE COUNTY, WILMINGTON, AND BALANCE

|                      | New Cast | le County | Wilmi  | ngton   | Bala   | nce     |
|----------------------|----------|-----------|--------|---------|--------|---------|
| Category             | Number   | Percent   | Number | Percent | Number | Percent |
| Vision               | 27       | 5.4       | 5      | 5.0     | 22     | 5.5     |
| Hearing              | 18       | 3.6       | 2      | 2.0     | 16     | 4.0     |
| Orthopedic           | 22       | 4.4       | 5      | 5.0     | 17     | 4.3     |
| Chronic Health       | 134      | 26.9      | 22     | 22.0    | 112    | 28.1    |
| Cognitive            | 15       | 3.0       | 2      | 2.0     | 13     | 3.3     |
| Emotional/Drug       | 17       | 3.4       | 2      | 2.0     | 15     | 3.8     |
| Multiply Handicapped | 265      | 53.2      | 62     | 62.0    | 203    | 51.0    |
| Total                | 498      | 100.0     | 100    | 100.0   | 398    | 100.0   |

The distribution of handicapped respondents by type of handicap is given in Table II. It is evident that the majority (53.2%) are multiply handicapped. Chronic health problems are also very prevalent (26.9%). There appear to be no significant differences between Wilmington residents and those living in New Castle County.

#### Service Needs

Service needs in the areas of employment, education, medical and daily care, and transportation were investigated. Results are presented in Table III and discussed below. Certain groups, such as the orthopedically impaired and the multiply handicapped, exhibited significantly higher levels of need for services. Therefore, these groups will be emphasized in the following discussion.

In this analysis, any individual reporting an orthopedic impairment was classified as orthopedically impaired. Multiply handicapped, then, refers to anyone with two or more nonorthopedic conditions. One-fourth of the respondents (26%) reported an orthopedic impairment and nearly one-third (31.5%) reported multiple nonorthopedic handicaps. Using these figures and 1985 population projections, it is estimated that 20,162 orthopedically impaired and 24,351 multiply handicapped individuals currently reside in New Castle County.

Limited Activity: When asked if their condition limited their work or school activity, nearly one-third (30.7%) of all respondents answered yes. Further examination, however, reveals wide variation between groups. While 65.4% of the orthopedically impaired and 30.6% of the multiply handicapped indicate such limitations, only 9.8% of other groups are similarly effected. These data suggest that as many as 23,700 New Castle County residents are limited in the type or amount of activities in which they can participate. Of these, approximately 13,185 are orthopedically impaired and 7,450 are multiply handicapped.

Employment: Only 45.5% of all handicapped respondents in appropriate age ranges (age 18-65) reported being employed full-time. Full-time employment is least likely among the orthopedically impaired (29.0%) and multiply handicapped (40.0%) as opposed to others (57.8%). Poor health was most often cited as the reason for unemployment in all categories (31.3%), but more so for the orthopedically impaired (61.2%) and multiply handicapped (24.6%) than others (12.3%). Few unemployed respondents (2.6%) indicated that they were looking for work and therefore in need of job training or placement. This might indicate that this group perceives themselves as being unemployable as a result of their health status.

These employment figures indicate that approximately 26,435 handicapped residents of New Castle County are not employed full-time. It is estimated that over 7,666 (29%) of these individuals

individuals are orthopedically impaired or multiply handicapped and are not employed due to poor health.

Education: Special education services for the learning disabled and mentally retarded did not appear to pose a major problem. The majority of cognitively impaired individuals are currently receiving these services. In addition, nearly all those who are not currently being served indicated that they were adults and therefore not eligible.

TABLE III
INDICATORS OF RESTRICTED ACTIVITY AND SERVICE NEEDS
FOR SELECTED SUBPOPULATIONS

| Variable/Group             | ( <u>N</u> )   | Yes    | No    |
|----------------------------|----------------|--------|-------|
| LIMITED ACTIVITY           |                |        |       |
| Orthopedic Impairment      | 130            | 65.4%  | 34.6% |
| Multiply Handicapped       | 157            | 30.6   | 69.4  |
| Other                      | 211            | 9.8    | 90.2  |
| [Chi-squar                 | e = 117.8; p = | 0000]  |       |
| EMPLOYED FULL-TIME         |                |        |       |
| Orthopedic Impairment      | 69             | 29.0   | 71.0  |
| Multiply Handicapped       | 95             | 40.0   | 60.0  |
| Other                      | 135            | 57.8   | 42.2  |
| (Chi-squar                 | e = 16.9; p =  | .0002] |       |
| NOT EMPLOYED HEALTH REASON | S              |        |       |
| Orthopedic Impairment      | 49             | 61.2   | 38.8  |
| Multiply Handicapped       | 57             | 24.6   | 75.4  |
| Other                      | 57             | 12.3   | 87.7  |
| [Chi-squar                 | e = 31.2; p =  | .0000] |       |
| REQUIRE DAILY CARE IN HOME |                |        |       |
| Orthopedic Impairment      | 130            | 13.1   | 86.9  |
| Multiply Handicapped       | 157            | 3.2    | 96.8  |
| Other                      | 211            | 0.5    | 99.5  |
| (Chi-squar                 | e = 30.5; p =  | .0000] |       |
| REQUIRE SPECIAL TRANSPORTA | TION           |        |       |
| Orthopedic Impairment      | 130            | 12.3   | 87.7  |
| Multiply Handicapped       | 157            | 5.1    | 94.9  |
| Other                      | 211            | 0.9    | 99.1  |
| [Chi-squar                 | e = 21.4; p =  | .0000] |       |

Daily Home Care: Although only 4.6% of all handicapped respondents require daily care in the home, the likelihood of needing such care is significantly higher for the orthopedically impaired (13.1%). Thus, an estimated 3,553 handicapped individuals in New Castle County are in need of daily assistance in the home. Nearly three-fourths (2640) of these individuals are believed to be orthopedically impaired.

Most respondents indicated that assistance in all areas of daily care (meals, personal care, chores, and mobility) was necessary but that this care was already available. It is unclear from the results whether daily care is being provided by family members who would be involved in other activities were they not responsible for full-time caretaking duties.

Medical: The need for medical services was cited by less than 1% of survey respondents. This number appears unusually low but is most likely due to the specific nature of the question. Respondents were asked only to report medical services which are not currently being received. It can be assumed, then, that medical services are available. However, it can not be determined what difficulties arise in obtaining medical care.

Transportation: The need for special transportation was reported by only 5.2% of respondents, however this figure is somewhat deceptive. Among the orthopedically impaired 12.3% indicate transportation needs. In comparison, only 5.1% of the multiply handicapped and 0.9% of others have similar needs. Therefore, an estimated 4,013 New Castle County residents require special transportation due to handicapping conditions. Of these, 2,480 are thought to be orthopedically impaired.

Accessible public transportation and special lift buses were most often cited as the services that are needed. Although the number in need of such services is small in relation to the general population, nearly one-third (32.0%) indicate that these services are not currently available to them. Thus, an estimated 1,284 handicapped individuals in New Castle County are unable to obtain needed transportation services. Limited service hours and excessive case loads appear to be the major deterrents to accessing these services.

Several comments can be made in conclusion. Handicapped individuals exhibit the same degree of diversity found in the general population. An attempt should be made therefore to determine, within the handicapped population, where needs exist and the degree to which these needs are being met. From this perspective, specific employment, home care, and transportation difficulties can be identified for subgroups such as the orthopedically impaired and the multiply handicapped.

Characteristics of the Survey Sample

When analyzing survey data it is important to establish that the

sample of respondents represents a broad cross-section of residents. This question is especially relevant in a survey of this kind, in which specific households were purposely selected.

TABLE IV
COMPARISON OF HANDICAPPED SAMPLE AND GENERAL POPULATION

| Variable                       | Handicapped<br>Sample | General<br><u>Population</u> |
|--------------------------------|-----------------------|------------------------------|
| PLACE OF RESIDENCE             |                       |                              |
| Wilmington                     | 20.3%                 | 19.4%                        |
| Balance of County              | · 79 <b>.</b> 7       | 80.6                         |
| SEX                            |                       |                              |
| Male                           | 47.0%                 | 46.9%                        |
| Female                         | 53.0%                 | 53.1%                        |
| AGE                            |                       |                              |
| Under 25                       | 21.2%                 | 20.0%                        |
| 25-34                          | 9.0                   | 22.4                         |
| 35-44                          | 10.4                  | 15.9                         |
| 45-54                          | 13.4                  | 15.0                         |
| 55-64                          | 18 <b>.0</b>          | 13.7                         |
| 65 and over                    | 28.2                  | 13.0                         |
| ETHNIC GROUP                   |                       |                              |
| White                          | 89.9%                 | 83.1%                        |
| Nonwhite                       | 10.1%                 | 16.9                         |
| ANNUAL HOUSEHOLD INCOME        |                       |                              |
| Under \$5,000                  | 13.5%                 | 10.8%                        |
| \$5,000 - \$9,999              | 10.4                  | 12.8                         |
| \$10,000 - \$14,999            | 16.6                  | 13.7                         |
| \$15,000 - \$19,999            | 8.5                   | 13.6                         |
| \$20,000 - \$29,999            | 17.8                  | 23.7                         |
| \$30,000 - \$39,999            | 13.1                  | 12.8                         |
| \$40,000 - \$49,999            | 8.9                   | 6.3                          |
| \$50,000 or more               | 11.2                  | 6.3                          |
| EDUCATIONAL ATTAINMENT (Person | s over 25 years of    | age)                         |
| Less than 12 years             | 22.4                  | 27.7%                        |
| 12 years                       | 42.5                  | 35.8                         |
| 13-15 years                    | 16.4                  | 16.0                         |
| 16 or more years               | 18.7                  | 20.5                         |
| HOUSEHOLD SIZE                 |                       |                              |
| l person                       | 14.5%                 | 21.2%                        |
| 2 persons                      | 37.4                  | 30.2                         |
| 3 persons                      | 16.3                  | 18.5                         |
| 4 persons                      | 15.2                  | 16.7                         |
| 5 or more persons              | 16.5                  | 13.4                         |
| ,                              | -                     | <del>-</del> - ,             |

(NOTE: Characteristics of general population taken from 1980 Census.)

Table IV on the preceding page provides a profile of survey respondents along with related information from the 1980 Census. This data indicates similarities and differences between the sample of handicapped respondents and the general population of New Castle County.

Survey respondents closely resemble the general population in all areas except age. Although certain differences appear to exist (ethnic group, household income, education, and household size), they are relatively small. Thus, the distribution of respondents does not significantly differ from that reported in the 1980 Census.

The sample does, however, appear to over-represent the elderly (age 55 and over). This is to be expected, however, given the nature of the study. Individuals in these age groups are more likely to have many of the chronic health conditions under investigation, as well as hearing, vision, and orthopedic impairments.

#### Synthetic Estimation of Chronic Health Conditions

The synthetic estimation of the number of people with selected chronic impairments, shown in Tables V and VI, produce the demographic detail that cannot be supplied by a telephone survey.

The estimations shown are based on prevalence rates from the National Health Interview Survey for pooled years 1979, 1980, and 1981. The three year National Health Interview Survey sample was composed of approximately 120,000 households and is reliable at the .05 level of confidence. The 1980 Delaware census figures were used to develop the demographic breakdowns for Wilmington and New Castle County that were required for the synthetic estimation.

Two methods of estimation are represented in Table V, extrapolation and synthetic. The extrapolated estimation was calculated by multiplying the national prevalence rate for a condition by the population for New Castle County. The synthetic estimation, a more precise method of estimation, was calculated by multiplying the population represented in the specific demographic breakdowns of age, race, and sex by the corresponding prevalence rates from the National Health Interview Survey.

The demographic factors of age, sex, and race were used to provide the best overall detail for each chronic condition and to signal changes in the prevalence rates. For example, we naturally expect the prevalence rate for hearing impairments to increase as a person's age increases, however, there is also a difference in the hearing impairment rates between males and females as well as between whites and non-whites.

The synthetic estimations shown in Table VI, calculated for Wilmington and New Castle County's specific demographic breakdowns, resulted in estimates that are closely linked to the population represented. These estimates show specific segments of the population and can be useful for planning purposes. Because of the amount of detail included, each chronic condition is represented by its own table. The conditions include: ulcers, hernia, gastritis, diverticula of the intestines, chronic enteritis, multiple sclerosis, kidney trouble, visual impairment, glaucoma, cataracts, hearing impairment, speech impairment, paralysis, arthritis, thyroid, diabetes, epilepsy, absence of extremities, deformity/orthopedic (combined), deformity of the back, deformity of the upper extremities, deformity of the lower extremities, heart condition, chronic bronchitis, emphysema, asthma, and chronic sinusitis.

TABLE V
EXTRAPOLATED AND SYNTHETIC ESTIMATIONS OF CHRONIC CONDITIONS
(\*\* Synthetic Estimates are Underlined \*\*)

| Condition   | Wilmington                                | <u>Balance</u>   | New Castle<br>County             |
|---|---|--|----------------------------------|
| ULCERS  | 1,214 - 1,265                             | 4,461 - 5,673  | 5,726 - 6,887                    |
| HERNIA  | 1,249 - 1,310                             | 5,837 - 6,144  | 7,086 - 7,454                    |
| GASTRITIS   | 555 - 611                                 | 2,504 - 2,591  | 3,115 - 3,145                    |
| DIVERTICULA of INTEST   | 228 - 456                                 | 1,969 - 2,131  | 2,197 - 2,588                    |
| CHRONIC ENTERITIS   | 443 - 674                                 | 3,148 - 3,160  | 3,603 - 3,822                    |
| MULTIPLE SCLEROSIS  | 32 - 35                                   | 164 - 175  | 199 - 207                        |
| KIDNEY TROUBLE  | 344 - 469                                 | 1,492 - 1,607  | 1,951 - 1,961                    |
| VISUAL IMPAIRMENT   | 2,731 - 3,772                             | 12,129 - 12,756  | 15,487 - 15,851                  |
| GLAUCOMA  | 470 ~ 661                                 | 1,888 - 2,197  | 2,549 - 2,667                    |
| CATARACTS   | 1,271 - 1,770                             | 4,803 - 5,935  | 6,573 - 7,206                    |
| HEARING IMPAIRMENT  | 4,381 - 5,616                             | 24,746 - 26,234  | 29,127 - 31,849                  |
| SPEECH IMPAIRMENT   | 688 - 1,037                               | 3,042 - 3,214  | 3,902 - 4,079                    |
| PARALYSIS   | 386 - 540                                 | 1,616 - 1,804  | 2,156 - 2,190                    |
| ARTHRITIS   | 8,620 - 10,360                            | 37,567 - 40,269  | 47,927 - 48,888                  |
| THYROID   | 882 - 934                                 | 4,361 - 4,433  | 5,295 - 5,315                    |
| DIABETES "  | 1,748 - 2,452                             | 7,325 - 8,165  | 9,777 - 9,913                    |
| EPILEPSY  | 255 - 281                                 | 1,312 - 1,348  | 1,592 - 1,603                    |
| ABSENCE OF EXTREMITIE   | CS 548 - 578                              | 2,483 - 2,558  | 3,061 - 3,105                    |
| DEFORMITY/ORTHOPEDIC<br>OF BACK<br>OF UPPER EXTREM.<br>OF LOWER EXTREM. | 3,551 - 3,734<br>948 - 1 <del>9</del> 300 | 27,302 - 27,512<br>17,445 - 17,697<br>4,320 - 4,427<br>6,060 - 7,968 | 21,180 - 21,248<br>5.375 - 5.620 |
| HEART CONDITION   | 5,335 - 6,003                             | 21,779 - 24,922  | 27,782 - 30,257                  |
| CHRONIC BRONCHITIS  | 2,223 - 2,485                             | 11,607 - 11,608  | 13,830 - 14,093                  |
| ЕМРНҮЅЕМА   | 716 - 769                                 | 3,082 - 3,345  | 3,851 - 4,061                    |
| ASTHMA  | 1,950 - 2,176                             | 10,165 - 10,194  | 12,144 - 12,342                  |
| CHRONIC SINUSITIS   | 8,995 - 9,666                             | 45,155 - 45,215  | 54,210 - 54,820                  |

#### TABLE VI

#### SYNTHETIC ESTIMATIONS OF CHRONIC CONDITIONS FOR WILMINGTON, BALANCE, AND NEW CASTLE COUNTY BASED ON DELAWARE'S DEMOGRAPHIC BREAKDOWNS

| Condition  |                                       |    | Page   |
|--|---------------------------------------|----|--|
| Ulcer Hernia Gastritis Diverticula of Intestine Chronic Enteritis Multiple Sclerosis Kidney Trouble Visual Impairment Glaucoma Cataracts Hearing Impairment Speech Impairment Paralysis Arthritis Thyroid Diabetes Epilepsy Absence of Extremities Deformity/Orthopedic     of Back     of Upper Extremities Heart Condition Chronic Bronchitis Emphysema Asthma | · · · · · · · · · · · · · · · · · · · | ₽° | 12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37 |
| Chronic Sinusitis  |                                       |    | 38   |

# **ULCERS**

|           | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|-----------|------------|---------|-------------------|
| TOTALS    | 1265       | 4461    | 5726              |
| MALE      |            |         |                   |
| WHITE     |            |         |                   |
| ALL AGES  | 278        | 2507    | 2785              |
| UNDER 17  | 1*         | -       | 1*                |
| 17-44     | 97*        | 1133*   | 1230*             |
| 45-64     | 108        | 1098    | 1206              |
| 65+       | 72         | 276     | 348               |
| NON-WHITE |            |         |                   |
| ALL AGES  | 287        | 221     | 508               |
| UNDER 17  | -          | _       | -                 |
| 17-44     | 124        | 127     | 251               |
| 45-64     | 88*        | 58*     | 146*              |
| 65+       | 75*        | 36*     | 111*              |
| FEMALE    |            |         |                   |
| WHITE     |            |         |                   |
| ALL AGES  | 378        | 1524    | 1902              |
| UNDER 17  | 4*         | 58*     | 62*               |
| 17-44     | 110        | 130     | 240               |
| 45-64     | 113        | 915     | 1028              |
| 65+       | 151        | 421     | 572               |
| NON-WHITE |            |         |                   |
| ALL AGES  | 322        | 209     | 531               |
| UNDER 17  | 6*         | 4*      | 10*               |
| 17-44     | 151        | 123     | 274               |
| 45-64     | 115*       | 61*     | 176*              |
| 65+       | 50*        | 21*     | 71*               |

#### HERNIA OF ABDONIMAL CAVITY

|           | WILMINGTON  | BALANCE | NEW CASTLE<br>COUNTY |
|-----------|-------------|---------|----------------------|
| TOTALS    | 1310        | 6144    | 7454                 |
| MALE      |             |         |                      |
| WHITE     |             |         |                      |
| ALL AGES  | 480         | 2912    | 3392                 |
| UNDER 17  | 110         | 170     | 280                  |
| 17-44     | 50          | 583     | 633                  |
| 45-64     | 150         | 1509    | 1659                 |
| 65+       | 170         | 650     | 820                  |
| NON-WHITE |             |         |                      |
| ALL AGES  | 196*        | 131*    | 327*                 |
| UNDER 17  | 50*         | 34*     | 85*                  |
| 17-44     | 19*         | 20*     | 39*                  |
| 45-64     | 80*         | 53*     | 133*                 |
| 65+       | <b>47</b> * | 23*     | 70*                  |
| FEMALE    |             |         |                      |
| WHITE     |             |         |                      |
| ALL AGES  | 377         | 2945    | 3322                 |
| UNDER 17  | 3*          | 586     | 589                  |
| 17-44     | 110         | 573     | 683                  |
| 45-64     | 113         | 972     | 1085                 |
| 65+       | 151         | 814     | 965                  |
| NON-WHITE |             |         |                      |
| ALL AGES  | 257*        | 156*    | 413*                 |
| UNDER 17  | 15*         | 11*     | 26*                  |
| 17-44     | 80*         | 65*     | 145*                 |
| 45-64     | 105*        | 56*     | 161*                 |
| 65+       | 57*         | 24*     | 81*                  |

# **GASTRITIS**

|              | WILMINGTON | BALANCE    | NEW CASTLE COUNTY |
|--------------|------------|------------|-------------------|
| TOTALS       | 611        | 2504       | 3115              |
| MALE         |            |            |                   |
| WHITE        |            |            |                   |
| ALL AGES     | 103        | 983        | 1086              |
| UNDER 17     | 3*         | 57*        | 60*               |
| 17-44        | 34         | 399        | 433               |
| 45-64        | 44         | 442        | 486               |
| 65+          | 22         | 85         | 107               |
| NON-WHITE    |            |            |                   |
| ALL AGES     | 139*       | 106*       | 245*              |
| UNDER 17     | -          | -          | 2-73              |
| 17-44        | 62*        | 63*        | 125*              |
| 45-64        | 35*        | 23*        | 58*               |
| 65+          | 42*        | 20*        | 62*               |
|              |            |            |                   |
| FEMALE       |            |            |                   |
| WHITE        |            |            |                   |
| ALL AGES     | 200        | 1310       | 1510              |
| UNDER 17     | 3*         | 58*        | 61*               |
| 17-44        | 45         | 532        | 577               |
| 45-64        | 58         | 468        | 526               |
| 65+          | 94         | 262        | 356               |
| NON-WHITE    |            |            |                   |
| ALL AGES     | 169*       | 105*       | 274*              |
| UNDER 17     | -          |            | 214"<br>_         |
| 17-44        | 66*        | -<br>54*   | 120*              |
| 45-64        | 76*        | 40*        | 116*              |
| 43-04<br>65+ | 76*<br>27* | 40^<br>11* | 38*               |
| ינט          | 215        | 11,        | 20%               |

#### DIVERTICULA OF INTESTINES

|           | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|-----------|------------|---------|-------------------|
| TOTALS    | 228        | 1969    | 2197              |
| MALE      |            |         |                   |
| WHITE     |            |         |                   |
| ALL AGES  | 83         | 545     | 628               |
| UNDER 17  | -          | 4       | 4                 |
| 17-44     | 2*         | 19*     | 21*               |
| 45-64     | 34         | 343     | 377               |
| 65+       | 47         | 179     | 226               |
| NON-WHITE |            |         |                   |
| ALL AGES  | _          | _       | _                 |
| UNDER 17  | _          | -       | _                 |
| 17-44     | -          | _       | _                 |
| 45-64     | _          | _       | _                 |
| 65+       | -          | -       | -                 |
| FEMALE    | ·          |         |                   |
| WHITE     |            |         |                   |
| ALL AGES  | 112        | 1410    | 1522              |
| UNDER 17  | -          | -       | -                 |
| 17-44     | 5*         | 61*     | 66*               |
| 45-64     | 83         | 669     | 752               |
| 65+       | 24         | 680     | 704               |
| NON-WHITE |            |         |                   |
| ALL AGES  | 33         | 14      | 47                |
| UNDER 17  | -          | <u></u> | -                 |
| 17-44     | _          | _       | _                 |
| 45-64     | 6*         | 3*      | 9*                |
| 65+       | 27*        | 11*     | 38*               |

#### CHRONIC ENTERITIS

|           | WILMINGTON | BALANCE    | NEW CASTLE COUNTY |
|-----------|------------|------------|-------------------|
| TOTALS    | 443        | 3160       | 3603              |
| MALE      |            |            |                   |
| WHITE     |            |            |                   |
| ALL AGES  | 98         | 922        | 1010              |
| UNDER 17  | 11         | 175        | 186               |
| 17-44     | 31         | 367        | 398               |
| 45-64     | 27         | 269        | 296               |
| 65+       | 29         | 111        | 140               |
| NON-WHITE |            |            |                   |
| ALL AGES  | 52*        | 35*        | 87*               |
| UNDER 17  | 26*        | 18*        | 44*               |
| 17-44     | 4*         | <b>4</b> * | 8*                |
| 45-64     | 12*        | 8*         | 20*               |
| 65+       | 10*        | 5*         | 15*               |
| FEMALE    |            |            |                   |
| WHITE     |            |            |                   |
| ALL AGES  | 187        | 2146       | 2333              |
| UNDER 17  | 9          | 150        | 159               |
| 17-44     | 76         | 901        | 977               |
| 45-64     | 88         | 713        | 801               |
| 65+       | 14         | 382        | 396               |
| NON-WHITE |            |            |                   |
| ALL AGES  | 106*       | 57*        | 173*              |
| UNDER 17  | 14*        | 10*        | 24*               |
| 17-44     | 38*        | 31*        | 69*               |
| 45-64     | 36*        | 19*        | 55*               |
| 65+       | 18*        | 7*         | 25*               |

#### **MULTIPLE SCLEROSIS**

|           | WILMINGTON  | BALANCE | NEW CASTLE COUNTY |
|-----------|-------------|---------|-------------------|
| TOTALS    | 32          | 175     | 207               |
| MALE      |             |         |                   |
| WHITE     |             |         |                   |
| ALL AGES  | 5           | 46      | 51                |
| UNDER 17  | -           | -       | -                 |
| 17-44     | 1*          | 13*     | 14*               |
| 45-64     | 3*          | 29*     | 32*               |
| 65+       | 1           | 4       | 5                 |
| NON-WHITE |             |         |                   |
| ALL AGES  | <del></del> | -       |                   |
| UNDER 17  | _           | -       | -                 |
| 17-44     | _           | -       | _                 |
| 45-64     | -           | _       | _                 |
| 65+       | _           | -       | -                 |
|           |             |         |                   |
| FEMALE    |             |         |                   |
| WHITE     |             |         |                   |
| ALL AGES  | 15*         | 121*    | 136*              |
| UNDER 17  | _           | -       | -                 |
| 17-44     | 5*          | 61*     | 66*               |
| 45-64     | 6*          | 50*     | 56*               |
| 65+       | 4*          | 10*     | 14*               |
| NON-WHITE |             |         |                   |
| ALL AGES  | 12*         | 8*      | 20*               |
| UNDER 17  | -           | _       | -                 |
| 17-44     | 6*          | 5*      | 11*               |
| 45-64     | 6*          | 3*      | 9*                |
| 65+       | _           | _       | _                 |

# KIDNEY TROUBLE

|           | WILMINGTON   | BALANCE      | NEW CASTLE COUNTY |
|-----------|--------------|--------------|-------------------|
| TOTALS    | 469          | 1492         | 1961              |
| MALE      |              |              |                   |
| WHITE     |              |              |                   |
| ALL AGES  | 57           | 413          | 470               |
| UNDER 17  | 2*           | 27*          | 28*               |
| 17-44     | 11           | 131          | 142               |
| 45-64     | 14           | 138          | 152               |
| 65+       | 30           | 117          | 147               |
| NON-WHITE |              |              |                   |
| ALL AGES  | 121*         | *08          | 201*              |
| UNDER 17  | <b>6</b> *   | 4*           | 10*               |
| 17-44     | 24*          | 24*          | 48*               |
| 45-64     | 45*          | 30*          | 75*               |
| 65+       | 46*          | 22*          | 68*               |
| FEMALE    |              |              |                   |
| WHITE     |              |              |                   |
| ALL AGES  | 130          | 906          | 1036              |
| UNDER 17  | 5*           | 73*          | 78*               |
| 17-44     | 31           | 368          | 399               |
| 45-64     | 38           | 309          | 347               |
| 65+       | 56           | 156          | 212               |
| NON-WHITE |              |              |                   |
| ALL AGES  | 161*         | 93*          | 254*              |
| UNDER 17  | <del>-</del> | <del>-</del> | <del>-</del>      |
| 17-44     | 49*          | 40*          | 89*               |
| 45-64     | 59*          | 31*          | 90*               |
| 65+       | 53*          | 22*          | 75*               |

#### **VISUAL IMPAIRMENT**

|           | WILMINGTON | BALANCE | NEW CASTLE<br>COUNTY |
|-----------|------------|---------|----------------------|
| TOTALS    | 3,722      | 12,129  | 15,851               |
| MALE      |            |         |                      |
| WHITE     |            |         |                      |
| ALL AGES  | 835        | 6,770   | 7,605                |
| UNDER 17  | 34         | 520     | 554                  |
| 17-44     | 232        | 2,699   | 2,931                |
| 45-64     | 223        | 2,232   | 2,455                |
| 65+       | 346        | 1,319   | 1,665                |
| NON-WHITE | ·          |         |                      |
| ALL AGES  | 636        | 457     | 1,093                |
| UNDER 17  | 67*        | 47*     | 114*                 |
| 17-44     | 182        | 186     | 368                  |
| 45-64     | 212        | 139     | 351                  |
| 65+       | 175        | 85      | 260                  |
|           |            |         |                      |
| FEMALE    |            |         |                      |
| WHITE     |            |         |                      |
| ALL AGES  | 1,567      | 4,429   | 5,996                |
| UNDER 17  | 329        | 227     | 556                  |
| 17-44     | 238        | 1,181   | 1,419                |
| 45-64     | 290        | 1,215   | 1,505                |
| 65+       | 710        | 1,806   | 2,516                |
| NON-WHITE |            |         |                      |
| ALL AGES  | 684        | 473     | 1,157                |
| UNDER 17  | 42*        | 29*     | 71*                  |
| 17-44     | 197        | 161     | 358                  |
| 45-64     | 205        | 108     | 313                  |
| 65+       | 240        | 175     | 415                  |
|           |            |         |                      |

# **GLAUCOMA**

|            | WILMINGTON | BALANCE | NEW CASTLE<br>COUNTY |
|------------|------------|---------|----------------------|
| TOTALS     | 661        | 1888    | 2549                 |
| MALE       |            |         |                      |
| WHITE      |            |         | •                    |
| · ALL AGES | 137        | 787     | 924                  |
| UNDER 17   | -          | 7*      | 7*                   |
| 17-44      | 8*         | 92*     | 100∻                 |
| 45-64      | 31         | 314     | 345                  |
| 65+        | 98         | 374     | 472                  |
| NON-WHITE  |            |         |                      |
| ALL AGES   | 101*       | 64*     | 165*                 |
| UNDER 17   | _          | _       | -                    |
| 17-44      | 16*        | 16*     | 32*                  |
| 45-64      | 38*        | 25*     | 63*                  |
| 65+        | 47*        | 23*     | 70*                  |
| FEMALE     |            |         |                      |
| WHITE      |            |         |                      |
| ALL AGES   | 240        | 948     | 1188                 |
| UNDER 17   | -          | _       | -                    |
| 17-44      | 6*         | 68*     | 74*                  |
| 45-64      | 42         | 343     | 385                  |
| 65+        | 192        | 537     | 729                  |
| NON-WHITE  |            |         |                      |
| ALL AGES   | 183*       | 89*     | 272*                 |
| UNDER 17   | _          | _       |                      |
| 17-44      | 18*        | 14*     | 32*                  |
| 45-64      | 59*        | 31*     | 9 <b>0</b> *         |
| 65+        | 106*       | 44*     | 150*                 |

#### CATARACTS

|              | WILMINGTON | BALANCE | NEW CASTLE<br>COUNTY |
|--------------|------------|---------|----------------------|
| TOTALS       | 1770       | 4803    | 6573                 |
| MALE         |            |         |                      |
| WHITE        |            |         |                      |
| ALL AGES     | 308        | 1572    | 1880                 |
| UNDER 17     | 2*         | 30*     | 32*                  |
| 17-44        | 11*        | 124*    | 135*                 |
| 45-64        | 48         | 480     | 528                  |
| 65+          | 247        | 938     | 1185                 |
| NON-WHITE    |            |         |                      |
| ALL AGES     | 223        | 139     | 362                  |
| UNDER 17     | 14*        | 9*      | 23*                  |
| 17-44        | 25*        | 26*     | 51*                  |
| 45-64        | 80*        | 53*     | 133*                 |
| 65+          | 104        | 51      | 155                  |
| FEMALE       |            |         |                      |
| WHITE        |            |         |                      |
| ALL AGES     | 903        | 2934    | 3837                 |
| UNDER 17     | 1*         | 18*     | 19*                  |
| 17-44        | 6*         | 68*     | 74*                  |
| 45-64        | 66         | 535     | 601                  |
| 45-04<br>65+ | 830        | 2313    | 3143                 |
| 05+          | 030        | 2313    | 3143                 |
| NON-WHITE    |            |         |                      |
| ALL AGES     | 336        | 158     | 494                  |
| UNDER 17     | -          | -       | -                    |
| 17-44        | 15*        | 12*     | 27*                  |
| 45-64        | 105*       | 56*     | 161*                 |
| 65+          | 216        | 90      | 306                  |

#### **HEARING IMPAIRMENT**

|               | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|---------------|------------|---------|-------------------|
| TOTALS        | 4,381      | 24,746  | 29,127            |
| MALE          |            |         |                   |
| WHITE         |            |         |                   |
| ALL AGES      | 1,801      | 13,395  | 15,196            |
| UNDER 17      | 44         | 688     | 732               |
| 1 <b>7-44</b> | 346        | 4,022   | 4,368             |
| 45-64         | 533        | 5,343   | 5,876             |
| 65+           | 878        | 3,342   | 4,220             |
| NON-WHITE     |            |         |                   |
| ALL AGES      | 709        | 560     | 1,269             |
| UNDER 17      | 11*        | 75*     | 86*               |
| 17-44         | 190        | 194     | 384               |
| 45-64         | 259        | 170     | 429               |
| 65+           | 249        | 121     | 370               |
| FEMALE        | •          |         |                   |
| WHITE         |            |         |                   |
| ALL AGES      | 794        | 10,153  | 10,947            |
| UNDER 17      | 36         | 553     | 589               |
| 17-44         | 186        | 2,198   | 2,384             |
| 45-64         | 431        | 3,479   | 3,910             |
| 65+           | 141        | 3,923   | 4,064             |
| NON-WHITE     |            |         |                   |
| ALL AGES      | 1,077      | 638     | 1,715             |
| UNDER 17      | 149        | 103     | 252               |
| 17-44         | 280        | 229     | 509               |
| 45-64         | 321        | 170     | 491               |
| 65+           | 327        | 136     | 463               |

#### SPEECH IMPAIRMENT

|               | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|---------------|------------|---------|-------------------|
| TOTALS        | 1037       | 3042    | 4079              |
| MALE<br>WHITE |            |         |                   |
| ALL AGES      | 148        | 1602    | 1750              |
| UNDER 17      | 44         | 688     | 732               |
| 17-44         | 43         | 498     | 541               |
| 45-64         | 30         | 298     | 328               |
| 65+           | 31         | 118     | 149               |
| NON-WHITE     |            |         |                   |
| ALL AGES      | 488        | 379     | 867               |
| UNDER 17      | 260        | 184     | 444               |
| 17-44         | 144        | 147     | 291               |
| 45-64         | 44*        | 29*     | 73*               |
| 65+           | 40*        | 19*     | 59*               |
| FEMALE        |            |         |                   |
| WHITE         |            |         |                   |
| ALL AGES      | 68         | 839     | 907               |
| UNDER 17      | 23         | 348     | 371               |
| 17-44         | 18         | 218     | 236               |
| 45-64         | 21         | 172     | 193               |
| 65+           | 36         | 101     | 137               |
| NON-WHITE     |            |         |                   |
| ALL AGES      | 333        | 222     | 555               |
| UNDER 17      | 126        | 87      | 213               |
| 17-44         | 106*       | 87*     | 193*              |
| 45-64         | 57*        | 30*     | 87*               |
| 65+           | 44*        | 18*     | 62*               |

# PARALYSIS OF EXTREMITIES (COMPLETE OR PARTIAL)

|           | WILMINGTON | BALANCE    | NEW CASTLE<br>COUNTY |
|-----------|------------|------------|----------------------|
| TOTALS    | 540        | 1616       | 2156                 |
| MALE      |            |            |                      |
| WHITE     | 110        | 859        | 969                  |
| ALL AGES  |            | 68         | 969<br>72            |
| UNDER 17  | 4*         | 282        | 72<br>306            |
| 17-44     | 24<br>32   | 282<br>320 | 352                  |
| 45-64     | ·          |            | 239                  |
| 65+       | 50         | 189        | 239                  |
| NON-WHITE |            |            |                      |
| ALL AGES  | 134*       | 94*        | 228*                 |
| UNDER 17  | 18*        | 13*        | 31*                  |
| 17-44     | 32*        | 33*        | 65*                  |
| 45-64     | 44*        | 29*        | 73*                  |
| 65+       | 40*        | 19*        | 59*                  |
|           |            |            |                      |
| FEMALE    |            |            |                      |
| WHITE     | _          |            |                      |
| ALL AGES  | 121        | 586        | 707                  |
| UNDER 17  | 3*         | 40         | 43                   |
| 17-44     | 13         | 150        | 163                  |
| 45-64     | 20         | 158        | 178                  |
| 65+       | 85         | 238        | 323                  |
| NON-WHITE |            |            |                      |
| ALL AGES  | 175*       | 77*        | 252*                 |
| UNDER 17  | 25*        | 17*        | 42*                  |
| 17-44     | 31*        | 25*        | 56*                  |
| 45-64     | 45*        | 24*        | 69*                  |
| 65+       | 74*        | 31*        | 105*                 |
|           |            |            |                      |

# **ARTHRITIS**

|           | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|-----------|------------|---------|-------------------|
| TOTALS    | 10,360     | 37,567  | 47,927            |
| MALE      |            |         |                   |
| WHITE     |            |         |                   |
| ALL AGES  | 1,799      | 12,589  | 14,388            |
| UNDER 17  | 6*         | 99      | 105               |
| 17-44     | 214        | 2,489   | 2,703             |
| 45-64     | 645        | 6,457   | 7,102             |
| 65+       | 934        | 3,544   | 4,478             |
| NON-WHITE |            |         |                   |
| ALL AGES  | 1,410      | 906     | 2,316             |
| UNDER 17  | 26*        | 18*     | 44*               |
| 17-44     | 207        | 212     | 419               |
| 45-64     | 610        | 401     | 1,011             |
| 65+       | 567        | 275     | 842               |
|           |            |         | •                 |
| FEMALE    |            |         |                   |
| WHITE     |            |         |                   |
| ALL AGES  | 4,467      | 22,630  | 27,097            |
| UNDER 17  | 9          | 146     | 155               |
| 17-44     | 363        | 4,299   | 4,662             |
| 45-64     | 1,281      | 10,347  | 11,628            |
| 65+       | 2,814      | 7,838   | 10,652            |
| NON-WHITE |            |         |                   |
| ALL AGES  | 2,684      | 1,442   | 4,126             |
| UNDER 17  | 12*        | 8*      | 20*               |
| 17-44     | 479        | 392     | 871               |
| 45-64     | 1,131      | 599     | 1,730             |
| 65+       | 1,062      | 443     | 1,505             |

# THYROID

|           | WILMINGTON   | BALANCE  | NEW CASTLE COUNTY |
|-----------|--------------|----------|-------------------|
| TOTALS    | 882          | 4433     | 5315              |
| MALE      |              |          |                   |
| WHITE     |              |          |                   |
| ALL AGES  | 73           | 600      | 673               |
| UNDER 17  | 2*           | 30       | 32                |
| 17-44     | 18           | 216      | 234               |
| 45-64     | 24           | 243      | 267               |
| 65+       | 29           | 111      | 140               |
| NON-WHITE |              |          |                   |
| ALL AGES  | 47*          | 39*      | 86*               |
| UNDER 17  | _            | <u>.</u> | -                 |
| 17-44     | 29*          | 30*      | 59*               |
| 45-64     | _            | -        | _                 |
| 65+       | 18*          | 9*       | 27*               |
| FEMALE    |              |          |                   |
| WHITE     |              |          |                   |
| ALL AGES  | 527          | 3647     | 4174              |
| UNDER 17  | 3*           | 47       | 50                |
| 17-44     | 123          | 1454     | 1577              |
| 45-64     | 195          | 1571     | 1766              |
| 65+       | 206          | 575      | 781               |
| NON-WHITE |              |          |                   |
| ALL AGES  | 235*         | 147*     | 382*              |
| UNDER 17  | <del>-</del> |          | -                 |
| 17-44     | 91*          | 75*      | 166*              |
| 45-64     | 105*         | 56*      | 161*              |
| 65+       | 39*          | 16*      | 55*               |

# DIABETES

|                   | WILMINGTON | BALANCE     | NEW CASTLE<br>COUNTY |
|-------------------|------------|-------------|----------------------|
| TOTALS            | 2452       | 7325        | 9777                 |
| MALE              |            |             |                      |
| WHITE<br>ALL AGES | 414        | 2903        | 3317                 |
| UNDER 17          | 3*         | 2903<br>42  | 3317<br>45           |
| 17-44             | 42         | 485         | 527                  |
| 45-64             | 157        | 1569        | 1726                 |
| 65+               | 212        | 807         | 1019                 |
| 33.               |            | 007         | 2027                 |
| NON-WHITE         |            |             |                      |
| ALL AGES          | 486        | 337         | 823                  |
| UNDER 17          | -          | _           | _                    |
| 17-44             | 103*       | 105*        | 208*                 |
| 45 <b>-6</b> 4    | 270        | 177         | 447                  |
| 65+               | 113        | 55          | 168                  |
|                   |            |             |                      |
| FEMALE            |            |             |                      |
| WHITE             | 707        | 2425        |                      |
| ALL AGES          | 707        | 3635        | 4342                 |
| UNDER 17          | 2*         | 37          | 39<br>762            |
| 17-44<br>45-64    | 59<br>207  | 703<br>1672 | 762<br>1879          |
| 43-64<br>65+      | 439        | 1223        | 1662                 |
| 700               | 439        | 1223        | 1002                 |
| NON-WHITE         |            |             |                      |
| ALL AGES          | 845        | 450         | 1295                 |
| UNDER 17          | 18         | 13          | 31                   |
| 17-44             | 108*       | 89*         | 197*                 |
| 45-64             | 427        | 226         | 653                  |
| 65+               | 292        | 122         | 414                  |

# **EPILEPSY**

|           | WILMINGTON     | BALANCE | NEW CASTLE COUNTY |
|-----------|----------------|---------|-------------------|
| TOTALS    | 255            | 1348    | 1603              |
| MALE      |                |         |                   |
| WHITE     |                |         |                   |
| ALL AGES  | 57             | 626     | 683               |
| UNDER 17  | 9              | 137     | 146               |
| 17-44     | 32             | 373     | 405               |
| 45-64     | 9*             | 90*     | 99*               |
| 65+       | 7*             | 26*     | 33*               |
| NON-WHITE |                |         |                   |
| ALL AGES  | 90*            | 71*     | 121*              |
| UNDER 17  | 33*            | 23*     | 56*               |
| 17-44     | 29*            | 30*     | 59*               |
| 45-64     | 24*            | 16*     | 40*               |
| 65+       | 4*             | 2*      | 6*                |
| FEMALE    |                |         |                   |
| WHITE     |                |         |                   |
| ALL AGES  | 38             | 595     | 663               |
| UNDER 17  | 5*             | 70*     | 75*               |
| 17-44     | 26             | 307     | 333               |
| 45-64     | 22             | 178     | 200               |
| 65+       | 15*            | 40*     | 55*               |
| NON-WHITE |                |         |                   |
| ALL AGES  | 70*            | 56*     | 136*              |
| UNDER 17  | 39*            | 27*     | 66*               |
| 17-44     | 24*            | 20*     | 44*               |
| 45-64     | 17*            | 9*      | 26*               |
| 65+       | <del>- '</del> | -       | _                 |
| = =       |                |         |                   |

#### **ABSENCE OF EXTREMITIES**

|           | WILMINGTON | BALANCE | NEW CASTLE<br>COUNTY |
|-----------|------------|---------|----------------------|
| TOTALS    | 578        | 2483    | 3061                 |
| MALE      |            |         |                      |
| WHITE     |            |         |                      |
| ALL AGES  | 236        | 1854    | 2090                 |
| UNDER 17  | <b>6</b> * | 91*     | 97*                  |
| 17-44     | 41         | 478     | 519                  |
| 45-64     | 91         | 913     | 1004                 |
| 65+       | 98         | 372     | 470                  |
| NON-WHITE |            |         |                      |
| ALL AGES  | 210*       | 138*    | 348*                 |
| UNDER 17  | _          | _       | _                    |
| 17-44     | 47≭        | 48*     | 95*                  |
| 45-64     | 67*        | 44*     | 111*                 |
| 65+       | 96*        | 46*     | 142*                 |
|           |            |         |                      |
| FEMALE    |            |         |                      |
| WHITE     |            |         |                      |
| ALL AGES  | 85         | 469     | 564                  |
| UNDER 17  | 2*         | 40*     | 42*                  |
| 17-44     | 8*         | 95*     | 103*                 |
| 45-64     | 23         | 188     | 211                  |
| 65+       | 52         | 146     | 198                  |
| NON-WHITE |            |         |                      |
| ALL AGES  | 47         | 22      | 69                   |
| UNDER 17  | _          | -       | _                    |
| 17-44     | -          | -       | -                    |
| 45-64     | 29*        | 15*     | 44*                  |
| 65+       | 18*        | 7*      | 25*                  |

#### **DEFORMITY/ORTHOPEDIC IMPAIRMENT**

|             | WILMINGTON | BALANCE     | NEW CASTLE COUNTY |
|-------------|------------|-------------|-------------------|
| TOTALS      | 5,902      | 27,302      | 33,204            |
| MALE        |            |             |                   |
| WHITE       |            |             |                   |
| ALL AGES    | 1,387      | 12,715      | 14,102            |
| UNDER 17    | 48         | 737         | 785               |
| 17-44       | 600        | 6,983       | 7,583             |
| 45-64       | 394        | 3,952       | 4,346             |
| 65+         | 345        | 1,043       | 1,388             |
| NON-WHITE   |            |             |                   |
| ALL AGES    | 1,231      | 942         | 2,173             |
| UNDER 17    | 62*        | 44*         | 106*              |
| 17-44       | 472        | 483         | 736               |
| 45-64       | 444        | 292         | 736               |
| 65+         | 253        | 123         | 376               |
| FEMALE      |            |             |                   |
| WHITE       |            |             |                   |
| ALL AGES    | 1,805      | 12,691      | 14,496            |
| UNDER 17    | 57         | 865         | 922               |
| 17-44       | 505        | 5,972       | 6,477             |
| 45-64       | 451        | 3,647       | 4,098             |
| 65+         | 792        | 2,207       | 2,999             |
| <b>33</b> · | ,,,,       | 2,207       | 2,333             |
| NON-WHITE   |            |             |                   |
| ALL AGES    | 1,479      | 954         | 2,433             |
| UNDER 17    | 98*        | 68*         | 166*              |
| 17-44       | 633        | 519         | 1,152             |
| 45-64       | 494        | <b>26</b> 1 | 755               |
| 65+         | 254        | 106         | 360               |

#### **DEFORMITIES OF THE BACK**

|           | WILMINGTON | BALANCE | NEW CASTLE<br>COUNTY |
|-----------|------------|---------|----------------------|
| TOTALS    | 3,551      | 17,697  | 21,248               |
| MALE      |            |         |                      |
| WHITE     |            |         | 0.004                |
| ALL AGES  | 800        | 7,596   | 8,396                |
| UNDER 17  | 18         | 277     | 295                  |
| 17-44     | 359        | 4,179   | 4,538                |
| 45-64     | 246        | 2,466   | 2,712                |
| 65+       | 177        | 674     | 851                  |
| NON-WHITE |            |         |                      |
| ALL AGES  | 645        | 493     | 1,138                |
| UNDER 17  | 17*        | 12*     | 29*                  |
| 17-44     | 253        | 259     | 512                  |
| 45-64     | 236        | 155     | 391                  |
| 65+       | 139        | 67      | 206                  |
| FEMALE    |            |         |                      |
| WHITE     |            |         |                      |
| ALL AGES  | 1,182      | 8,995   | 10,177               |
| UNDER 17  | 3          | 520     | 523                  |
| 17-44     | 385        | 4,552   | 4,937                |
| 45-64     | 324        | 2,614   | 2,938                |
| 65+       | 470        | 1,309   | 1,779                |
|           |            |         |                      |
| NON-WHITE |            |         |                      |
| ALL AGES  | 924        | 613     | 1,537                |
| UNDER 17  | 36*        | 25*     | 61*                  |
| 17-44     | 461        | 378     | 839                  |
| 45-64     | 286        | 151     | 437                  |
| 65+       | 141        | 59      | 200                  |

#### **DEFORMITIES OF THE UPPER BODY**

|           | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|-----------|------------|---------|-------------------|
| TOTALS    | 1,300      | 4,320   | 5,620             |
| MALE      |            |         |                   |
| WHITE     |            |         |                   |
| ALL AGES  | 267        | 2,439   | 2,706             |
| UNDER 17  | 8          | 125     | 133               |
| 17-44     | 111        | 1,297   | 1,408             |
| 45-64     | 73         | 733     | 806               |
| 65+       | 75         | 284     | 359               |
| NON-WHITE |            |         |                   |
| ALL AGES  | 457        | 187     | 662               |
| UNDER 17  | 33*        | 13*     | 46*               |
| 17-44     | 187*       | 60*     | 247*              |
| 45-64     | 133        | 87      | 220               |
| 65+       | 122*       | 27*     | 149*              |
|           |            |         |                   |
| FEMALE    |            |         |                   |
| WHITE     |            |         |                   |
| ALL AGES  | 130        | 1,536   | 1,666             |
| UNDER 17  | 6*         | 91*     | 97*               |
| 17-44     | 51         | 600     | 651               |
| 45-64     | 59         | 478     | 537               |
| 65+       | 14         | 367     | 381               |
| NON-WHITE |            |         |                   |
| ALL AGES  | 428*       | 158*    | 586*              |
| UNDER 17  | 37*        | 13*     | 50*               |
| 17-44     | 135*       | 71*     | 206*              |
| 45-64     | 138*       | 56*     | 194*              |
| 65+       | 118*       | 18*     | 136*              |
|           |            |         |                   |

# **DEFORMITIES OF THE LOWER BODY**

|               | WILMINGTON | BALANCE | NEW CASTLE<br>COUNTY |
|---------------|------------|---------|----------------------|
| TOTALS        | 1,845      | 6,060   | 7,905                |
| MALE<br>WHITE |            |         |                      |
| ALL AGES      | 424        | 2,166   | 2,590                |
| UNDER 17      | 23         | 353     | 376                  |
| 17-44         | 170        | 198     | 368                  |
| 45-64         | 113        | 1,166   | 1,279                |
| 65+           | 118        | 449     | 567                  |
| NON-WHITE     |            |         |                      |
| ALL AGES      | 475        | 362     | 837                  |
| UNDER 17      | 33*        | 23*     | 56                   |
| 17-44         | 187        | 192     | 379                  |
| 45-64         | 133        | 88      | 221                  |
| 65+           | 122        | 59      | 181                  |
|               |            |         |                      |
| FEMALE        |            |         |                      |
| WHITE.        |            |         |                      |
| ALL AGES      | 518        | 3,274   | 3,792                |
| UNDER 17      | 20         | 311     | 311                  |
| 17-44         | 104        | 1,235   | 1,339                |
| 45-64         | 119        | 962     | 1,081                |
| 65+           | 175        | 766     | 1,041                |
| NON-WHITE     |            |         |                      |
| ALL AGES      | 428        | 258     | 686                  |
| UNDER 17      | 37*        | 26*     | 63*                  |
| 17-44         | 135        | 110     | 245                  |
| 45-64         | 138        | 73      | 211                  |
| 65+           | 118        | 89      | 167                  |

#### **HEART CONDITIONS**

|               | WILMINGTON | BALANCE | NEW CASTLE<br>COUNTY |
|---------------|------------|---------|----------------------|
| TOTALS        | 6,003      | 21,779  | 27,782               |
| MALE<br>WHITE |            |         |                      |
| ALL AGES      | 1,422      | 10,207  | 11,629               |
| UNDER 17      | 57         | 878     | 935                  |
| 17-44         | 177        | 2,057   | 2,223                |
| 45-64         | 443        | 4,436   | 4,879                |
| 65+           | 745        | 2,836   | 3,581                |
|               |            | _,      | - ,                  |
| NON-WHITE     |            |         |                      |
| ALL AGES      | 739        | 490     | 1,229                |
| UNDER 17      | 126        | 89      | 215                  |
| 17-44         | 124        | 127     | 251                  |
| 45-64         | 215        | 141     | 356                  |
| 65+           | 274        | 133     | 407                  |
|               |            | •       |                      |
|               |            |         |                      |
| FEMALE        |            |         |                      |
| WHITE         |            |         |                      |
| ALL AGES      | 2,241      | 10,167  | 12,408               |
| UNDER 17      | 42         | 634     | 676                  |
| 17-44         | 262        | 3,098   | 3,360                |
| 45-64         | 481        | 3,886   | 4,367                |
| 65+           | 1,456      | 2,551   | 4,007                |
| NON-WHITE     |            |         |                      |
| ALL AGES      | 1,601      | 10,167  | 12,408               |
| UNDER 17      | 99*        | 69*     | 168*                 |
| 17-44         | 386        | 316     | 702                  |
| 45-64         | 579        | 306     | 885                  |
| 65+           | 537        | 224     | 761                  |
|               |            |         |                      |

#### **CHRONIC BRONCHITIS**

|               | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|---------------|------------|---------|-------------------|
| TOTALS        | 2,223      | 11,607  | 13,830            |
| MALE          |            |         |                   |
| WHITE         |            |         |                   |
| ALL AGES      | 460        | 4,743   | 5,2 <b>03</b>     |
| UNDER 17      | 114        | 1,767   | 1,881             |
| 17-44         | 127        | 1,474   | 1,601             |
| 45-64         | 108        | 1,079   | 1,187             |
| 65+           | 111        | 423     | 534               |
| NON-WHITE     |            |         |                   |
| ALL AGES      | 421*       | 311     | 732               |
| UNDER 17      | 254*       | 179     | 433               |
| 17-44         | 77*        | 78*     | 155*              |
| 45-64         | 59*        | 39*     | 98*               |
| 65+           | 31*        | 15*     | 46*               |
|               |            |         |                   |
| FEMALE        |            |         |                   |
| WHITE         |            |         |                   |
| ALL AGES      | 805        | 6,187   | 6,992             |
| UNDER 17      | 74         | 1,125   | 1,199             |
| 17-44         | 221        | 2,614   | 2,835             |
| 45-64         | 194        | 1,568   | 1,762             |
| 65+           | 316        | 880     | 1,196             |
| NON-WHITE     |            |         |                   |
| ALL AGES      | 537        | 366     | 903               |
| UNDER 17      | 173        | 120     | 293               |
| 17-44         | 207        | 169     | 376               |
| 45 <b>-64</b> | 102≭       | 54*     | 156*              |
| 65+           | 55*        | 23*     | 78*               |

# **EMPHYSEMA**

|               | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|---------------|------------|---------|-------------------|
| TOTALS        | 769        | 3,082   | 3,851             |
| MALE<br>WHITE | 242        | 2.1.7   | 2.426             |
| ALL AGES      | 349        | 2,147   | 2,496             |
| UNDER 17      | 1*         | 11*     | 12*               |
| 17-44         | 8*         | 98*     | 106*              |
| 45-64         | 120        | 1,201   | 1,321             |
| 65+           | 220        | 837     | 1,057             |
| NON-WHITE     |            |         |                   |
| ALL AGES      | 85*        | 53*     | 138*              |
| UNDER 17      | -          | -       | <del>-</del>      |
| 17-44         | 17*        | 17*     | 34*               |
| 45-64         | 18*        | 12*     | 30*               |
| 65+           | 50*        | 24*     | 74*               |
| FEMALE        |            |         |                   |
| WHITE         |            |         |                   |
| ALL AGES      | 301        | 863     | 1,164             |
| UNDER 17      |            | 3*      | 3*                |
| 17-44         | 138*       | 89*     | 227*              |
| 45-64         | 85         | 387     | 472               |
| 65+           | 78         | 384     | 462               |
| NON-WHITE     |            |         |                   |
| ALL AGES      | 34*        | 19*     | 53*               |
| UNDER 17      | 6*         | 4*      | 10*               |
| 17-44         | 11*        | 8*      | 19*               |
| 45-64         | 6*         | 3*      | 9*                |
| 65+           | 11*        | 4*      | 15*               |

# **ASTHMA**

|                           | WILMINGTON | BALANCE | NEW CASTLE COUNTY |
|---------------------------|------------|---------|-------------------|
| TOTALS                    | 1,950      | 10,194  | 12,144            |
| MALE<br>WHITE<br>ALL AGES | 420        | 4,598   | 5,018             |
| UNDER 17                  | 119        | 1,843   | 1,962             |
| 17-44                     | 138        | 1,611   | 1,749             |
| 45-64                     | 85         | 849     | 934               |
| 65+                       | 78         | 295     | 373               |
| NON-WHITE                 |            |         |                   |
| ALL AGES                  | 285        | 466     | 751               |
| UNDER 17                  | 37         | 262     | 299               |
| 17-44                     | 133        | 136     | 269               |
| 45-64                     | 68*        | 45*     | 113*              |
| 65+                       | 47*        | 23*     | 70*               |
| FEMALE                    |            |         |                   |
| WHITE                     |            |         |                   |
| ALL AGES                  | 523        | 4,614   | 5,137             |
| UNDER 17                  | 61         | 934     | 995               |
| 17-44                     | 170        | 2,020   | 2,190             |
| 45-64                     | 160        | 1,292   | 1,452             |
| 65+                       | 132        | 368     | 500               |
| NON-WHITE                 |            |         |                   |
| ALL AGES                  | 722        | 516     | 1,238             |
| UNDER 17                  | 227        | 157     | 384               |
| 17-44                     | 355        | 290     | 645               |
| 45-64                     | 90*        | 48*     | 138*              |
| 65+                       | 50*        | 21*     | 71*               |

#### **CHRONIC SINUSITIS**

|           | WILMINGTON       | BALANCE          | NEW CASTLE<br>COUNTY |
|-----------|------------------|------------------|----------------------|
| TOTALS    | 8,995            | 45,215           | 54,210               |
| MALE      |                  |                  |                      |
| WHITE     |                  |                  |                      |
| ALL AGES  | 1,897            | 18,501           | 20,398               |
| UNDER 17  | 145              | 2,257            | 2,403                |
| 17-44     | 788              | 9,171            | 9,959                |
| 45-64     | 548              | 5,493            | 6,041                |
| 65+       | 415              | 1,580            | 1,995                |
| NON-WHITE |                  |                  |                      |
| ALL AGES  |                  |                  |                      |
| UNDER 17  | 1,419            | 1,140            | 2,559                |
| 17-44     | 219              | 155              | 374                  |
| 45-64     | 614              | 629              | 1,243                |
| 65+       | 430              | 283              | 713                  |
|           |                  |                  |                      |
| FEMALE    |                  |                  |                      |
| WHITE     |                  |                  |                      |
| ALL AGES  | 3,098            | 24,821           | 27,919               |
| UNDER 17  | 124              | 1,883            | 2,007                |
| 17-44     | 1,103            | 13,049           | 14,152               |
| 45-64     | 884              | 7,140            | 8,024                |
| 65+       | 987              | 2,749            | 3,736                |
| NON-WHITE |                  |                  |                      |
| ALL AGES  | 2,581            | 753              | 3,334                |
| UNDER 17  | <b></b>          | 137              | 334                  |
| 17-44     | 1,363            | 1,117            | 2,480                |
| 45-64     | <sup>^</sup> 655 | <sup>2</sup> 347 | 1,002                |
| 65+       | 366              | 152              | 518                  |

<sup>\*</sup> Estimates for which the numerator has a relative standard error of more than 30 percent are indicated with an asterisk.